DESCRIPTION

ORGAN-SPECIFIC GENE, METHOD FOR IDENTIFYING THE SAME AND USE THEREOF

Technical Field

[0001]

The present invention relates to a method of identifying organ-or tissue-specific highly expressed genes of various organisms, a set of mouse organ- or tissue-specific highly expressed genes obtained by the method, and a method of identifying an organ or tissue for which no specific highly expressed gene has been obtained, by combining organ- or tissue-specific highly expressed genes identified by the method.

[0002]

[Background of the Invention]

In recent years, there has been remarkable progress in regenerative medicine (medical practice). Since a method of establishing human embryonic stem cells (ES cells) was developed, it has been a realistic goal to produce cells/tissues, and even organs themselves, for transplantation from ES cells, as well as from somatic stem cells, including mesenchymal stem cells (MSCs), on an industrial scale using approaches based on cell engineering/embryological engineering. In fact, for the blood, nerves, heart muscle, liver, pancreas and the like, a system for differentiation induction from ES cells is being developed, and a therapeutic technique using ES cells has already been reported.

[0003]

Meanwhile, an evaluation of the toxicity of a drug to various organs is normally performed by an in vivo toxicity study by compound administration to laboratory animals such as rats; however, such studies are faulty in that (1) several days to several months are taken before onset of the toxicity, (2) a large amount of compound is required, (3) much costs are taken to purchase and maintain laboratory animals, and the

like, and, in addition, the radical problem arises that the toxicity in humans is not always reflected.

[0004]

To quickly predict the presence or absence of toxicity and efficiently optimize a structure in the initial stage of development of a pharmaceutical compound, it is essential to construct an in vitro screening system. In in vitro screening, it is common practice to use a primary culture of a tissue isolated from various organs or a cell line established therefrom; however, primary culture involves the above-described drawback (3) as with in vivo studies; meanwhile, when a cell line is used, problems arise, including the disappearance of the characteristics of the organ or tissue from which the cell line is derived during repeated passage, and the inability to fully reflect the pathology of the organ or tissue as an organic integration thereof on the basis of individual cells. For these reasons, use of a human cell does not always accurately reflect the toxicity in human individuals.

Therefore, there is a major demand for the utilization of tissues/organs that have developed as a result of differentiation induction from stem cells, including ES cells, for toxicity evaluations.

[0005]

Confirmation of differentiation from stem cells such as ES cells into various cells is usually achieved by, in addition to morphological examination, detecting a product of a gene expressed specifically in the differentiated cell (i.e., differentiation marker gene) at a transcription level (e.g., RT-PCR, microarray analysis and the like) or a translation level (e.g., immunohistological staining and the like). For example, hepatocyte differentiation markers include the albumin gene and the like, and pancreatic β cell differentiation markers include the insulin gene and the like. However, differentiation into albumin-producing cells or

insulin-producing cells, if confirmed, does not immediately lead to the conclusion that they are hepatocytes or pancreatic β cells. In fact, a report is available that ES cells were differentiated into insulin-producing cells; however, the resulting cells differed slightly from β cells.

[0006]

Therefore, to determine whether or not a tissue/organ differentiated from a stem cell such as an ES cell reflects the physiological state of a desired tissue or organ, i.e., whether or not the tissue or organ is exactly the desired tissue or organ, it seems important to comprehensively analyze the expression of a large number of differentiation marker genes, rather than to rely on the expression of a single or several kinds of differentiation marker genes.

[0007]

Some sets of various tissue/organ-specific genes that can serve as differentiation marker genes have been reported (for example, for human tissue-specific gene sets, see the patent document 1 and the like). However, there are a variety of definitions (criteria) for a specific gene, which have not been unified. For example, the present inventors previously announced that they extracted a crab-eating macaque tissue/organ-specific gene group from results of a comprehensive gene expression analysis in various organs using an independently developed crab-eating macaque DNA microarray (non-patent document 1), wherein a gene whose expression level in a specified tissue (organ) exceeded [the median (50% value) of the expression level in each other tissue/organ] + [75% value of the expression level in the each other tissue/organ × 2] was extracted as a gene highly expressed specifically in the specified tissue (organ). This method of extraction, as a means for comprehensively identifying tissue/organ-specific genes, was better than conventionally known methods; however, even so, the specific highly expressed genes extracted by the method sometimes included those that cannot be said to be

truly specific for the tissue (organ).

Patent document 1: JP-A-2004-135552

Non-patent document 1: The Journal of Toxicological Science, Vol. 31 Supplement, page S168, 2006, Title: Development of crab-eating macaque DNA microarray and search for organ-specific highly expressed genes

Disclosure of the Invention

Problems to Be Solved by the Invention

[0008]

Accordingly, it is an object of the present invention to provide a method enabling the extraction of a gene group highly expressed truly specifically in a specified tissue or organ, and hence to provide a set of genes highly expressed specifically in the tissue or organ that are useful as differentiation marker genes in regenerative medicine and the like.

Means of Solving the Problems

[0009]

The present inventors, with the aim of accomplishing the above object, diligently conducted analyses with the use of mouse gene expression data provided by Gene Logic, and found that only a set of genes that are truly specific for a particular organ (tissue) can be acquired by obtaining data on the expression levels of a specified gene group for each organ or tissue in 2 or more individuals, and extracting a certain gene from the gene group as a gene highly expressed specifically in the particular organ (tissue), if the ratio of (a) a minimum value of expression level in the particular organ (tissue) and (b) a maximum value of expression levels in other organs and tissues ((a)/(b)) is larger than 1 in an individual examined for the gene.

Furthermore, the present inventors found that even for an organ or tissue from which no specific highly expressed gene is extracted by the above-described method (referred to as "organ A"), an unidentified organ (tissue) can be identified

as the organ A by extracting a gene, if any, wherein the ratio of (a) a minimum value of expression level in the organ A and the expression level in another organ or tissue from which a specific highly expressed gene (referred to as "gene X") has been extracted (referred to as "organ B") and (b) a maximum value of expression levels in organs and tissues other than the organs A and B is larger than 1 in an individual examined, as a gene highly expressed specifically in the organs A and B (referred to as "gene Y"), measuring the expression levels of the genes X and Y in the unidentified organ (tissue), and demonstrating that the expression of the gene X is under the reference value and the expression of the gene Y exceeds the reference value.

The present inventors conducted further investigations based on these findings, demonstrated that in rats, dogs and humans as well, it is possible to extract a set of genes highly expressed specifically in an organ (tissue), and identify an organ (tissue) from which a combination of specific highly expressed genes comprising the set of gene is not extracted, and developed the present invention.

[0010]

Accordingly, the present invention provides:

[1] a method of extracting an organ- or tissue-specific highly expressed gene, comprising the steps (1) to (3) below;

(1) measuring expression levels of a specified gene group for each organ or tissue in 2 or more individuals,

(2) acquiring, for each gene, (a) a minimum value of expression levels of a particular organ or tissue in all individuals and (b) a maximum value of expression levels in other organs and tissues in all individuals,

(3) extracting the gene as a gene highly expressed specifically in the particular organ or tissue if the above-described (a)/(b) ratio is larger than 1,

[2] the method described in [1] above, wherein the gene is extracted as a gene highly expressed specifically in a

particular organ or tissue if the (a)/(b) ratio is 2 or more;

[3] a method of identifying an organ or tissue from which no specific highly expressed gene is extracted by the method described in [1] above, comprising the steps shown below;

(1) acquiring, for each gene, (a) a minimum value of expression levels in the organ or tissue and the expression levels in another particular organ or tissue in which a specific highly expressed gene is present, in all individuals, and (b) a maximum value of expression levels in organs and tissues other than each organ or tissue (a) above, in all individuals,

(2) extracting the gene as a gene highly expressed specifically in each organ or tissue (a) above if the above-described (a)/(b) ratio is larger than 1,

(3) measuring expression levels of (i) a gene highly expressed specifically in the other particular organ or tissue and (ii) the specific highly expressed gene extracted in the above-described (2) in an unidentified organ or tissue,

(4) identifying the unidentified organ or tissue as an organ or tissue from which the specific highly expressed gene is not extracted, with the expression levels of the specific highly expressed genes of the above-described (i) and (ii) as indexes,

[4] the method described in [3] above, wherein the organ or tissue is derived from a mammal;

[5] the method described in [4] above, wherein the organ or tissue is derived from a human or mouse;

[6] an analytical tool for the expression of mouse fat tissue specific genes, comprising 1 or more selected from among 35 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 1 to 35) or a partial sequence thereof;

[7] an analytical tool for the expression of mouse urinary bladder specific genes, comprising 1 or more selected from among 36 kinds of nucleic acids comprising the same or

substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 36 to 71) or a partial sequence thereof;

[8] an analytical tool for the expression of mouse blood specific genes, comprising 1 or more selected from among 431 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 72 to 502) or a partial sequence thereof;

[9] an analytical tool for the expression of mouse bone specific genes, comprising 1 or more selected from among 6 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 503 to 508) or a partial sequence thereof;

[10] an analytical tool for the expression of mouse brain specific genes, comprising 1 or more selected from among 246 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 509 to 754) or a partial sequence thereof;

[11] an analytical tool for the expression of mouse mammary gland specific genes, comprising 1 or more selected from among 17 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 755 to 771) or a partial sequence thereof;

[12] an analytical tool for the expression of mouse colon specific genes, comprising 1 or more selected from among 52 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 772 to 823) or a partial sequence thereof;

[13] an analytical tool for the expression of mouse esophagus specific genes, comprising a nucleic acid comprising the same

or substantially the same base sequence as the base sequence shown by SEQ ID NO:824 or a partial sequence thereof, and/or a nucleic acid comprising the same or substantially the same base sequence as the base sequence shown by SEQ ID NO:825 or a partial sequence thereof;

[14] an analytical tool for the expression of mouse heart specific genes, comprising 1 or more selected from among 23 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 826 to 848) or a partial sequence thereof;

[15] an analytical tool for the expression of mouse liver specific genes, comprising 1 or more selected from among 144 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 849 to 992) or a partial sequence thereof;

[16] an analytical tool for the expression of mouse lung specific genes, comprising 1 or more selected from among 143 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 993 to 1135) or a partial sequence thereof;

[17] an analytical tool for the expression of mouse pancreas specific genes, comprising 1 or more selected from among 2970 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 1136 to 4105) or a partial sequence thereof;

[18] an analytical tool for the expression of mouse spleen specific genes, comprising 1 or more selected from among 195 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 4106 to 4300) or a partial sequence thereof;

[19] an analytical tool for the expression of mouse stomach specific genes, comprising 1 or more selected from among 29 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 4301 to 4329) or a partial sequence thereof;

[20] an analytical tool for the expression of mouse testis specific genes, comprising 1 or more selected from among 4669 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 4330 to 8998) or a partial sequence thereof;

[21] an analytical tool for the expression of mouse thymus specific genes, comprising 1 or more selected from among 141 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 8999 to 9139) or a partial sequence thereof;

[22] an analytical tool for the expression of mouse kidney specific genes, comprising 1 or more selected from among 66 kinds of nucleic acids comprising the same or substantially the same base sequence as each base sequence shown by SEQ ID NO:n (n is an integer of 9140 to 9205) or a partial sequence thereof;

[23] an analytical tool for the expression of mouse pancreas and prostate specific genes, comprising a nucleic acid comprising the same or substantially the same base sequence as the base sequence shown by SEQ ID NO:9206 or a partial sequence thereof;

and the like.

Effect of the Invention

[0011]

According to the method of extraction of the present invention, it is possible to extract a set of genes that are highly expressed truly specifically in an organ or tissue. The

set of genes highly expressed specifically in an organ (tissue) thus obtained are useful as an organ or tissue differentiation marker. Furthermore, according to the method of identification of the present invention, it is possible to identify an organ or tissue for which no specific highly expressed gene has been obtained.

Brief Description of the Drawings

[0012]

[FIG. 1] A graph showing an outline of a method of extracting organ/tissue-specific genes described in the non-patent document 1.

[FIG. 2] A graph showing the expression of the fat tissue specific highly expressed gene groups obtained in Example 1 (A) and Comparative Example (B) in various organs/tissues. Each column indicates a specific highly expressed gene extracted; each line, from the top, indicates each of various organs/tissues: fat tissue (n=5), urinary bladder (n=4), blood (n=2), femoral bone (n=4), brain (n=4), mammary gland (n=3), colon (n=4), esophagus (n=4), heart (n=4), left kidney (n=4), liver (n=4), lung (n=2), pancreas (n=1), prostate (n=5), right kidney (n=4), skeletal muscle (n=5), spleen (n=3), stomach (n=3), testis (n=5), and thymus (n=2).

[FIG. 3] A graph showing the expression of the heart fat tissue specific highly expressed gene groups obtained in Example 1 (A) and Comparative Example (B) in various organs/tissues. Each column indicates a specific highly expressed gene extracted; each line, from the top, indicates each of various organs/tissues: fat tissue (n=5), urinary bladder (n=4), blood (n=2), femoral bone (n=4), brain (n=4), mammary gland (n=3), colon (n=4), esophagus (n=4), heart (n=4), left kidney (n=4), liver (n=4), lung (n=2), pancreas (n=1), prostate (n=5), right kidney (n=4), skeletal muscle (n=5), spleen (n=3), stomach (n=3), testis (n=5), and thymus (n=2).

[FIG. 4] A graph showing the expression of the liver specific highly expressed gene groups obtained in Example 1 (A) and

Comparative Example (B) in various organs/tissues. Each column indicates a specific highly expressed gene extracted; each line, from the top, indicates each of various organs/tissues: fat tissue (n=5), urinary bladder (n=4), blood (n=2), femoral bone (n=4), brain (n=4), mammary gland (n=3), colon (n=4), esophagus (n=4), heart (n=4), left kidney (n=4), liver (n=4), lung (n=2), pancreas (n=1), prostate (n=5), right kidney (n=4), skeletal muscle (n=5), spleen (n=3), stomach (n=3), testis (n=5), and thymus (n=2).

[FIG. 5] A graph showing the expression of the thymus specific highly expressed gene groups obtained in Example 1 (A) and Comparative Example (B) in various organs/tissues. Each column indicates a specific highly expressed gene extracted; each line, from the top, indicates each of various organs/tissues: fat tissue (n=5), urinary bladder (n=4), blood (n=2), femoral bone (n=4), brain (n=4), mammary gland (n=3), colon (n=4), esophagus (n=4), heart (n=4), left kidney (n=4), liver (n=4), lung (n=2), pancreas (n=1), prostate (n=5), right kidney (n=4), skeletal muscle (n=5), spleen (n=3), stomach (n=3), testis (n=5), and thymus (n=2).

[FIG. 6] A graph showing the expression of the stomach specific highly expressed gene groups obtained in Example 1 (A) and Comparative Example (B) in various organs/tissues. Each column indicates a specific highly expressed gene extracted; each line, from the top, indicates each of various organs/tissues: fat tissue (n=5), urinary bladder (n=4), blood (n=2), femoral bone (n=4), brain (n=4), mammary gland (n=3), colon (n=4), esophagus (n=4), heart (n=4), left kidney (n=4), liver (n=4), lung (n=2), pancreas (n=1), prostate (n=5), right kidney (n=4), skeletal muscle (n=5), spleen (n=3), stomach (n=3), testis (n=5), and thymus (n=2).

[0013]

[Detailed Description of the Invention]

The present invention provides a novel method of extracting an organ- or tissue-specific highly expressed gene.

The method comprises the steps (1) to (3) shown below:
(1) a step for measuring expression levels of a specified gene group for each organ or tissue in 2 or more individuals;
(2) a step for acquiring (a) a minimum value of expression levels in a particular organ or tissue in all individuals, and (b) a maximum value of expression levels in other organs and tissues in all individuals, for each gene; and
(3) a step for extracting the gene as a gene highly expressed specifically in the particular organ or tissue if the above-described (a)/(b) ratio is larger than 1.
[0014]

The subject to which the method of extraction of the present invention is applicable is not particularly limited, as far as it is an organism consisting of 2 or more differentiated tissues, preferably higher animals and plants, more preferably mammals (e.g., humans, monkeys, cattle, horses, pigs, sheep, goats, rabbits, mice, rats, guinea pigs, hamsters and the like), birds such as chickens and domesticated ducks, and the like can be mentioned. Particularly preferred are humans and mice.

The number of organism individuals subjected to the measuring method of the present invention is not particularly limited, as far as it is 2 or more; the expression levels of a gene group are examined for each organ or tissue preferably in 3 or more, more preferably 5 or more, and particularly preferably 10 or more, individuals.

The organ or tissue to be a subject of measurement varies depending on the organism being the subject; in the case of mammals, examples include, but are not limited to, fat tissue, urinary bladder, blood, femoral bone, brain, spinal cord, hypophysis, thyroid, gallbladder, bone marrow, adrenal, skin, blood vessels, mammary gland, colon, esophagus, heart, kidney, liver, lung, pancreas, prostate, skeletal muscle, spleen, stomach, testis, thymus, ovary, placenta, uterus and the like.
[0015]

Each organ and tissue are obtained by, for example, euthanizing a laboratory animal such as a mouse or a rat by a conventional method, and resecting and isolating the organ and tissue. Meanwhile, for humans, except for some tissues, including blood, no organ or tissue can be collected from a normal living body, so organs and tissues are collected from a deceased individual, patient and the like; in the case of death from disease (illness), a disease-specific change in the expression of a gene is anticipated, so it is desirable, for example, that organs and tissues be collected from a person not suffering from a disease, such as a victim of a traffic accident.

[0016]

The expression of a specified gene group in an organ or tissue collected can be examined by preparing an RNA (e.g., total RNA, mRNA) fraction from the organ or tissue, and detecting a transcription product of the gene group contained in the fraction. Preparation of an RNA fraction can be performed using a publicly known technique such as the guanidine-CsCl ultracentrifugation method, the AGPC method or the like; a highly pure total RNA can be prepared from a very small amount of sample quickly and conveniently using a commercially available kit for RNA extraction (e.g., RNeasy Mini Kit; manufactured by QIAGEN, and the like).

[0017]

As a specified gene group whose expression level is measured in the method of extraction of the present invention, the whole set of genes known to be expressed in the organism being the subject can be mentioned. The number of genes contained in the gene group varies depending on the biological species being the subject, and is, for example, in the case of a mammal such as a human, mouse, rat, or monkey, about 5,000 to about 30,000. For various mammals such as humans, mice, rats, crab-eating macaques, and rhesus monkeys, DNA chips (microarrays) equipped with a probe set for analyzing the

expression of such a gene group are commercially available (for example, one manufactured by Affymetrix and the like), and they can be utilized.

For example, a cDNA incorporating an appropriate promoter such as the T7 promoter is synthesized from an RNA fraction prepared as described above, by a reverse transcription reaction, and further a cRNA is synthesized using RNA polymerase (in this operation, with the use of a mononucleotide labeled with biotin or the like as the substrate, a labeled cRNA is obtained). By bringing this labeled cRNA into contact with the above-described DNA microarray to cause a hybridization reaction, and measuring the amount of label bound to each probe on the array, the expression level of each gene can be measured.

[0018]

For example, for humans, mice, rats and the like, analytical data on the expression of gene groups in various organs and tissues acquired using the above-described DNA microarray have been available in databases for restricted access (for example, from Gene Logic and the like); for such biological species, by accessing the database, and analyzing the data therein, without actually performing a measurement of gene expression as described above, organ- or tissue-specific genes (set) can also be extracted.

[0019]

As described above, data on the expression level of a specified gene group (for example, the respective genes are given the numbers 1 to n) for each organ or tissue in each individual (number of individuals = m) are obtained.

Next, for a certain gene i out of them, if the ratio of (a) a minimum value of expression levels in a certain organ or tissue A (EXP 1(i/A), • • • EXP m(i/A)) (Min[EXP 1-m(i/A)]) and (b) a maximum value of expression levels of the gene i in other organs and tissues (for example, B to Z) (Max[EXP 1-m(i/B-Z)]) ((a)/(b)) is larger than 1 in all individuals

examined, the gene i is extracted as a gene highly expressed specifically in the organ or tissue A.

By performing the above-described operation on gene 1 to gene n for each of the organs or tissues A to Z, a set of genes highly expressed specifically in each organ or tissue is extracted.

[0020]

The (a)/(b) ratio is not particularly limited, as far as it is larger than 1, and it can be set at an optionally chosen level. The higher the value is set, the higher the organ (tissue) specificity is; however, having an excessively high setting is faulty in that no specific highly expressed gene is extracted in many organs (tissues). Preferably, the (a)/(b) ratio can be selected as appropriate in the range of 1.5 or more to 16 or more, more preferably 2 or more to 8 or more.

[0021]

By the above-described method of extraction (the (a)/(b) ratio was set at 2 or more), (M1) 35 kinds of mouse fat tissue-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:1 to 35, respectively, (M2) 36 kinds of mouse urinary bladder-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:36 to 71, respectively, (M3) 431 kinds of mouse blood-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:72 to 502, respectively, (M4) 6 kinds of mouse bone-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:503 to 508, respectively, (M5) 246 kinds of mouse brain-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:509 to 754, respectively, (M6) 17 kinds of mouse mammary gland-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:775 to 771, respectively, (M7) 52 kinds of mouse colon-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:772 to 823, respectively, (M8) 2 kinds of mouse esophagus-specific highly expressed genes comprising the base

sequences shown by SEQ ID NO:824 to 825, respectively, (M9) 23 kinds of mouse heart-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:826 to 848, respectively, (M10) 144 kinds of mouse liver-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:849 to 992, respectively, (M11) 143 kinds of mouse lung-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:993 to 1135, respectively, (M12) 2970 kinds of mouse pancreas-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:1136 to 4105, respectively, (M13) 195 kinds of mouse spleen-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:4106 to 4300, respectively, (M14) 29 kinds of mouse stomach-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:4301 to 4329, respectively, (M15) 4669 kinds of mouse testis-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:4330 to 8998, respectively, (M16) 141 kinds of mouse thymus-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:8999 to 9139, respectively, and (M17) 66 kinds of mouse kidney-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9140 to 9205, respectively, were obtained.

[0022]

Likewise, by the above-described method of extraction, (R1) 25 kinds of rat fat-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9207 to 9231, respectively, (R2) 27 kinds of rat blood-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9232 to 9258, respectively, (R3) 1 kind of rat duodenum-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:9259, (R4) 4 kinds of rat thymus-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9260 to 9263, respectively (hereinabove, the (a)/(b) ratio was set at 2 or more), (R5) 3 kinds of rat colon-

specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9264 to 9266, respectively, (R6) 4 kinds of rat heart-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9267 to 9270, respectively (hereinabove, the (a)/(b) ratio was set at 4 or more), (R7) 5 kinds of rat adrenal-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9271 to 9275, respectively, (R8) 2 kinds of rat urinary bladder-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9276 to 9277, respectively, (R9) 4 kinds of rat cerebellum-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9278 to 9281, respectively, (R10) 1 kind of rat esophagus-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:9282, (R11) 10 kinds of rat femoral bone-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9283 to 9292, respectively, (R12) 2 kinds of rat ileum-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9293 to 9294, respectively, (R13) 12 kinds of rat kidney-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9295 to 9306, respectively, (R14) 598 kinds of rat testis-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9307 to 9904, respectively, (R15) 49 kinds of rat liver-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9905 to 9953, respectively, (R16) 7 kinds of rat lung-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9954 to 9960, respectively, (R17) 11 kinds of rat mammary gland-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9961 to 9971, respectively, (R18) 33 kinds of rat pancreas-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:9972 to 10004, respectively, (R19) 26 kinds of rat prostate-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10005 to 10030, respectively, (R20) 1 kind of rat skeletal

muscle-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:10031, (R21) 1 kind of rat spleen-specific highly expressed genes comprising the base sequence shown by SEQ ID NO:10032, (R22) 10 kinds of rat stomach-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10033 to 10042, respectively, and (R23) 2 kinds of rat submandibular lymph node-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10043 to 10044, respectively (hereinabove, the (a)/(b) ratio was set at 8 or more), were obtained.

[0023]

Likewise, by the above-described method of extraction, (D1) 2 kinds of dog duodenum (mucosa)-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10056 to 10057, respectively, (D2) 5 kinds of dog stomach (mucosa)-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10058 to 10062, respectively (hereinabove, the (a)/(b) ratio was set at 2 or more), (D3) 1 kind of dog aorta-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:10063, (D4) 1 kind of dog urinary bladder-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:10064, (D5) 6 kinds of dog kidney (medulla)-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10065 to 10070, respectively, (D6) 1 kind of dog mesenteric lymph node-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:10071 (hereinabove, the (a)/(b) ratio was set at 4 or more), (D7) 6 kinds of dog fat-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10072 to 10077, respectively, (D8) 7 kinds of dog adrenal-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10078 to 10084, respectively, (D9) 10 kinds of dog cerebral cortex-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10085 to 10094, respectively, (D10) 32 kinds of dog epididymis-specific

highly expressed genes comprising the base sequences shown by SEQ ID NO:10095 to 10126, respectively, (D11) 4 kinds of dog heart-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10127 to 10130, respectively, (D12) 10 kinds of dog kidney (cortex)-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10131 to 10140, respectively, (D13) 118 kinds of dog liver-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10141 to 10258, respectively, (D14) 10 kinds of dog lung-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10259 to 10268, respectively, (D15) 90 kinds of dog pancreas-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10269 to 10358, respectively, (D16) 3 kinds of dog hypophysis-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10359 to 10361, respectively, (D17) 24 kinds of dog skeletal muscle-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10362 to 10385, respectively, (D18) 53 kinds of dog skin-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10386 to 10438, respectively, (D19) 5 kinds of dog spleen-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10439 to 10443, respectively, (D20) 12 kinds of dog stomach (mucosa)-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10444 to 10455, respectively, (D21) 11 kinds of dog submandibular lymph node-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10456 to 10466, respectively, (D22) 1303 kinds of dog testis-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10467 to 11769, respectively, (D23) 2 kinds of dog thymus-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11770 to 11771, respectively, (D24) 14 kinds of dog thyroid-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11772 to

11785, respectively, and (D25) 1 kind of dog whole ileum (mucosa + muscle)-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:11786 (hereinabove, the (a)/(b) ratio was set at 8 or more), were obtained.

[0024]

Likewise, by the above-described method of extraction, (H1) 17 kinds of human aorta-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11790 to 11806, respectively, (H2) 8 kinds of human hypothalamus-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11807 to 11814, respectively, (H3) 3 kinds of human right ventricle-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11815 to 11817, respectively (hereinabove, the (a)/(b) ratio was set at 2 or more), (H4) 1 kind of human urinary bladder-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:11818, (H5) 19 kinds of human cerebrum-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11819 to 11837, respectively, (H6) 3 kinds of human thalamus-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11838 to 11840, respectively, (H7) 1 kind of human left ventricle-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:11841 (hereinabove, the (a)/(b) ratio was set at 4 or more), (H8) 8 kinds of human osteous tissue-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11842 to 11849, respectively, (H9) 3 kinds of human cerebellum-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11850 to 11852, respectively, (H10) 12 kinds of human kidney-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11853 to 11864, respectively, (H11) 5 kinds of human liver-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11865 to 11869, respectively, (H12) 19 kinds of human lung-specific highly expressed genes comprising the base sequences shown by

SEQ ID NO:11870 to 11888, respectively, (H13) 45 kinds of human pancreas-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11889 to 11933, respectively, (H14) 4 kinds of human prostate-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11934 to 11937, respectively, (H15) 14 kinds of human skeletal muscle-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11938 to 11951, respectively, (H16) 5 kinds of human skin-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11952 to 11956, respectively, (H17) 1 kind of human spleen-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:11957, (H18) 10 kinds of human testis-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11958 to 11967, respectively, (H19) 10 kinds of human thyroid-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11968 to 11977, respectively, and (H20) 1 kind of human right atrium-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:11978 (hereinabove, the (a)/(b) ratio was set at 8 or more) were obtained.

[0025]

These organ- (tissue)-specific highly expressed genes, by analyzing the expression thereof, can be utilized for identification of an unidentified organ or tissue (differentiation marker), for evaluation of drug toxicity in a particular organ or tissue (toxicity marker candidate), and for diagnosis of a particular organ disease (disease marker candidate).

Therefore, the present invention also provides an analytical tool for the expression of organ- or tissue-specific genes of mice, rats, dogs or humans, comprising a nucleic acid comprising the same or substantially the same base sequence as the base sequence of one of the above-described organ- or tissue-specific highly expressed genes of

the various animals, or a partial sequence thereof.

[0026]

"Substantially the same base sequence" means a base sequence capable of hybridizing to a nucleic acid consisting of the base sequence shown by each SEQ ID NO under high stringent conditions. Here, "high stringent conditions" means a hybridization reaction at 45°C in 6×SSC (sodium chloride/sodium citrate) followed by not less than one time of washing at 65°C in 0.2×SSC/0.1% SDS. For example, as substantially the same base sequence as the base sequence shown by each SEQ ID NO, a base sequence having a homology of 80% or more, preferably 90% or more, more preferably 95% or more, and particularly preferably 98% or more, to the base sequence shown by each SEQ ID NO can be mentioned. Base sequence homology herein can be calculated using the homology calculation algorithm NCBI BLAST (National Center for Biotechnology Information Basic Local Alignment Search Tool) under the following conditions (expectancy=10; gap allowed; filtering=ON; match score=1; mismatch score=-3).

[0027]

As each nucleic acid that constitutes the analytical tool of the present invention for the expression of organ-(tissue)-specific genes, a nucleic acid (probe) capable of hybridizing specifically to a mouse-, rat-, dog- or human-derived gene transcription product being the subject of detection, a pair of oligonucleotides (primers) capable of functioning as primers that amplify a portion or all of the transcription product and the like can be mentioned. The nucleic acid may be a DNA or an RNA, or a DNA/RNA chimera. Preferably, a DNA can be mentioned.

[0028]

The nucleic acid used as a probe may be double-stranded or single-stranded. In the case of a double strand, the nucleic acid may be a double-stranded DNA, a double-stranded RNA, or a DNA/RNA hybrid. In the case of a single strand, a

sense strand (e.g., in the case of cDNA or cRNA) or an antisense strand (e.g., in the case of mRNA or cDNA) can be selectively used according to the sample supplied. The length of the nucleic acid is not particularly limited, as far as the nucleic acid is capable of hybridizing specifically to a target nucleic acid; for example, the length is about 15 bases or more, preferably about 20 bases or more, and more preferably about 25 bases or more. The nucleic acid is preferably labeled with a labeling agent so as to enable the detection and quantitation of the target nucleic acid. Examples of labeling agents used are radioisotopes, enzymes, fluorescent substances, luminescent substances and the like. Examples of radioisotopes used are [^{32}P], [^{3}H], [^{14}C] and the like. Preferred examples of the enzymes are those that are stable and have a higher specific activity, which include β-galactosidase, β-glucosidase, alkaline phosphatase, peroxidase, malate dehydrogenase and the like. Examples of fluorescent substances used include fluorescamine, fluorescein isothiocyanate and the like. Examples of luminescent substances used are luminol, a luminol derivative, luciferin, lucigenin and the like. Furthermore, a biotin-(strepto)avidin system may be used as well for binding a probe and a labeling agent. Meanwhile, when a nucleic acid to be a probe is immobilized on a solid phase, the nucleic acid in the sample can be labeled using the same labeling agent as that described above.

[0029]

A set of oligonucleotides used as primers is not particularly limited, as far as they are capable of hybridizing specifically to a sense strand and antisense strand, respectively, of the mouse-derived gene transcription product comprising the base sequence shown by each SEQ ID NO, and capable of amplifying the DNA fragment sandwiched therebetween; for example, a set of oligo-DNAs each having a length of about 15 to about 100 bases, preferably about 15 to

about 50 bases, and designed to amplify a DNA fragment about 100 bp to several kbp long, can be mentioned.

[0030]

A nucleic acid that functions as a probe capable of detecting a mouse-, rat-, dog- or human-derived organ (tissue)-specific gene transcription product can be acquired by amplifying a nucleic acid of desired length by a PCR method using the above-described primer set capable of amplifying a portion or all of the transcription product of the gene, with a CDNA or genomic DNA derived from the organ (tissue) of any of the aforementioned animals as the template, or by cloning the above-described organ- (tissue)-specific highly expressed gene or CDNA from the organ- (tissue)-derived CDNA or genomic DNA library by colony or plaque hybridization and the like, and using as required a restriction endonuclease and the like, to obtain a fragment of appropriate length. The hybridization can be performed according to, for example, a method described in MOLECULAR CLONING, 2nd edition and the like. When a commercially available library is used, hybridization can be performed according to the method described in the instruction manual attached to the library. Alternatively, the nucleic acid can be obtained by chemically synthesizing a portion or all of the base sequence and/or a sequence complementary thereto using a commercially available automated DNA/RNA synthesizer and the like, on the basis of base sequence information on each of the products of mouse-, rat-, dog- or human-derived organ- (tissue)-specific highly expressed genes (for example, in the case of mouse, the base sequences shown by SEQ ID NO:1 to 9205). By directly synthesizing the nucleic acid in situ (on chip) on a solid phase such as silicon or glass and the like, it is also possible to prepare a chip (array) on which the nucleic acid is immobilized.

[0031]

The analytical tool of the present invention for the expression of genes specific for various mouse, rat, dog or

human organs (tissues) comprises a set of nucleic acids capable of detecting a transcription product of at least 1 kind, preferably 2 kinds or more, of genes selected from the group consisting of genes highly expressed specifically in the various organs (tissues) of the aforementioned various animals. The analytical tool may comprise, in addition to the set of nucleic acids, as an internal standard, 1 kind or more of nucleic acids comprising the same or substantially the same base sequence as the base sequence of the transcription product of the mouse housekeeping gene, or a partial sequence thereof. Here, "substantially the same base sequence" is as defined above. Examples of mouse housekeeping genes include, but are not limited to, β-actin, GAPDH, hexokinase, histone and the like.

[0032]

These nucleic acids may be supplied in a dry state or a state of alcohol precipitate as a solid, and may be supplied in a state dissolved in water or an appropriate buffer solution (e.g., TE buffer solution and the like). When used as a probe, the nucleic acid may be supplied in a state previously labeled with any one of the above-described labeling substances, and may be supplied separately from a labeling substance and labeled before use.

Alternatively, the nucleic acid can be supplied in a state immobilized on an appropriate solid phase. Examples of solid phases include, but are not limited to, glass, silicon, plastics, nitrocellulose, nylon, polyvinylidene difluoride and the like. Means of immobilization include, but are not limited to, a method wherein a functional group such as an amino group, an aldehyde group, an SH group or biotin is previously introduced into a nucleic acid, meanwhile, a functional group capable of reacting with the nucleic acid (e.g., aldehyde group, amino group, SH group, streptavidin and the like) is introduced onto a solid phase, and bridging the solid phase and the nucleic acid by the covalent bond between the two

functional groups, or a solid phase is coated with a polycation to immobilize a polyanionic nucleic acid by means of an electrostatic bond.

As an example of a preferred embodiment wherein a nucleic acid probe is supplied in a state immobilized on a solid phase, a DNA microarray can be mentioned. A DNA microarray can be prepared by either the Affymetrix method, wherein a nucleic acid probe is synthesized for each nucleotide on a substrate (glass, silicon and the like), or the Stanford method, wherein a previously prepared nucleic acid probe is spotted onto a substrate.

[0033]

To quantitatively analyze the expression of a mouse, rat, dog or human organ- (tissue)-specific gene using a very small amount of RNA sample, it is preferable to use competitive RT-PCR or real-time RT-PCR. Competitive RT-PCR refers to a method wherein a known amount of another template nucleic acid that can be amplified by a set of primers capable of amplifying a desired DNA, as a competitor, is allowed to be present in the reaction liquid, to competitively cause an amplification reaction, and comparing the amount of amplification product, whereby the amount of the desired DNA is calculated. Therefore, when competitive RT-PCR is used, the reagent of the present invention can further comprise, in addition to the above-described primer set, a nucleic acid that is amplified by the primer set to produce an amplification product distinguishable from the desired DNA (for example, an amplification product having a size different from that of the desired DNA, and exhibiting a different migration pattern after restriction endonuclease treatment, and the like). This competitor nucleic acid may be a DNA or an RNA. In the case of a DNA, a cDNA is synthesized from an RNA sample by a reverse transcription reaction, and thereafter a competitor is added, and a PCR is performed; in the case of an RNA, the competitor may be added to the RNA sample in advance and RT-PCR can be performed. In

the latter case, because the efficiency of the reverse transcription reaction is also taken into account, the absolute amount of the original mRNA can be estimated.

Meanwhile, because real-time RT-PCR enables monitoring of the amount amplified in PCR in real time, it does not require electrophoresis, and makes it possible to more quickly analyze the expression of a mouse organ- (tissue)-specific gene. Usually, monitoring is performed using various fluorescent reagents. These reagents include a reagent that emits fluorescence by binding to a double-stranded DNA (intercalater), such as SYBR Green I and ethidium bromide, as well as a nucleic acid that can be used as the above-described probe (provided that the nucleic acid hybridizes to the target nucleic acid in the amplification region), modified at both ends thereof with a fluorescent substance (e.g., FAM, HEX, TET, FITC and the like) and a quenching substance (e.g., TAMRA, DABCYL and the like), respectively, and the like.

[0034]

The present invention also provides a method of analyzing gene expression in a mouse, rat, dog or human, comprising measuring a gene transcription product in a sample derived from any one of the animals using 1 kind or more of the above-described gene analytical tools of the present invention.

For example, a gene analytical tool of the present invention can be used preferably to detect and identify a disease marker gene, a pharmacological action marker gene or a drug toxicity marker gene using various organ samples collected from a disease model animal (mouse, rat, dog) or a drug-dosed animal (mouse, rat, dog or human), or a drug-exposed primary culture of an animal tissue or a culture or established cell derived therefrom, and the like, and to analyze disease mechanisms, pharmacological action mechanisms, and toxicological action mechanisms.

[0035]

Gene expression in an organ (tissue) sample collected

from a mouse, rat, dog or human or a drug-exposed mouse, rat, dog or human cell/tissue sample can be examined by preparing an RNA (e.g., total RNA, mRNA) fraction from the sample, and detecting a transcription product of the marker gene contained in the fraction. Preparation of an RNA fraction can be performed using a publicly known technique such as the guanidine-CsCl ultracentrifugation method, the AGPC method or the like; a highly pure total RNA can be prepared quickly and conveniently from a very small amount of sample using a commercially available kit for RNA extraction (e.g., RNeasy Mini Kit; manufactured by QIAGEN, and the like). As examples of means of detecting a gene transcription product in an RNA fraction, a method using hybridization (Northern blot, dot blot, DNA chip (microarray) analysis and the like), or a method using a PCR (RT-PCR, competitive PCR, real-time PCR and the like) and the like can be mentioned. Preference is given to quantitative PCR methods such as competitive PCR and real-time PCR because of the ability to detect gene expression changes in a very small amount of sample quickly and conveniently with high accuracy, and to DNA chip (microarray) analysis because of the ability to detect expression changes in a plurality of marker genes at one time, and of the possibility of improving the accuracy by choosing appropriate method of detection and the like.

[0036]

When Northern blot or dot blot hybridization is used, detection of gene expression can be achieved using the above-described gene analytical tool of the present invention comprising a nucleic acid used as a labeled probe. Specifically, when Northern hybridization is used, by separating an RNA fraction prepared as described above by gel electrophoresis, thereafter transferring the fraction to a membrane such as of nitrocellulose, nylon, or polyvinylidene difluoride, and hybridizing the fraction in a hybridization buffer solution containing the reagent of the present

invention or each reagent contained in the kit of the present invention under the above-described "high stringent conditions" and thereafter measuring the amount of label bound to the membrane by an appropriate method for each band, the expression level of each gene can be measured. In the case of dot blot as well, by subjecting a membrane with an RNA fraction spotted thereon to a hybridization reaction in the same manner (performed for each gene), and measuring the amount of label in the spot, the expression level of each gene can be measured.

[0037]

In the case of DNA chip (microarray) analysis, for example, a cDNA incorporating an appropriate promoter such as the T7 promoter is synthesized from an RNA fraction prepared as described above, by a reverse transcription reaction, and a cRNA is synthesized using RNA polymerase (in this operation, with the use of a mononucleotide labeled with biotin or the like as the substrate, a labeled cRNA is obtained). By bringing this labeled cRNA into contact with the above-described immobilized probe to cause a hybridization reaction, and measuring the amount of label bound to each probe on the solid phase, the expression level of each gene can be measured. The method is increasingly advantageous in terms of rapidity and convenience with the increase in the number of genes detected (hence the number of probes immobilized).

[0038]

Furthermore, the present invention provides a novel method of identification, even for an organ or tissue from which no specific highly expressed gene is extracted by the above-described method of extraction of the present invention (referred to as A), that makes it possible to identify an unidentified organ or tissue as an organ or tissue A from which the specific highly expressed gene is not extracted.

First, for a certain gene i (i = 1 to n), if the ratio of (a) a minimum value of expression levels in the organ or

tissue A (EXP 1(i/A), • • • EXP m(i/A)) and the expression levels in an organ or tissue from which a set X of specific highly expressed genes has been obtained (referred to as B) (EXP 1(i/B), • • • EXP m(i/B)) (Min[EXP 1-m(i/A,B)]), and (b) a maximum value of expression levels of the gene i in organs and tissues other than the organs A and B (for example, C to Z) (Max[EXP 1-m(i/C-Z)]) ((a)/(b)) in all individuals examined (number of individuals = m) is larger than 1, the gene i is extracted as a gene highly expressed specifically in the organs or tissues A and B. By performing this operation for the genes 1 to n, a set Y of genes highly expressed specifically in the organs or tissues A and B is obtained. Here, there is absolutely no overlap between the genes contained in the set X and the genes contained in the set Y. The (a)/(b) ratio, as with the above-described method of extraction of the present invention, can be set at any value chosen as appropriate in the range of not less than 1, preferably 1.5 or more to 16 or more, and more preferably 2 or more to 8 or more.

Next, the expression levels of 1 kind or more genes contained in the set X of genes highly expressed specifically in the organ or tissue B (for example, including genes x_1, x_2, • • • x_p) and the expression levels of 1 kind or more genes contained in the set Y of genes highly expressed specifically in the organs or tissues A and B (for example, including genes y_1, y_2, • • • y_q), in an unidentified organ or tissue, are measured. The unidentified organ or tissue is not particularly limited, as far as it is derived from the biological species from which the gene groups contained in the sets X and Y are derived; an organ or tissue derived preferably from a mammal, more preferably from a human, dog, rat or mouse, can be mentioned.

As a result, if the expression of the genes contained in X is under the reference value, and the expression of the genes contained in Y is not less than the reference value, the

unidentified organ (tissue) should be either the organ A or B, and should not be the organ B, so it can be identified as the organ A.

Here, the "reference value" for the expression level of each gene varies depending on the gene; for example, for a gene x_i contained in the gene set X, a minimum value of expression levels in the organ or tissue B in m ($m \geq 2$, preferably $m \geq 5$, more preferably $m \geq 10$) mammal individuals (Min[EXP 1-m(x_i/B)]), or a maximum value of expression level of the gene in organs and tissues other than the organ B (for example, A and C to Z) (Max[EXP 1-m(x_i/A,C-Z)]) and the like can be mentioned, the latter being more preferable. Meanwhile, for a gene y_i contained in the gene set Y, a minimum value of expression level in the organ or tissue A and the expression level in the organ or tissue B (Min[EXP 1-m(y_i/A,B)]), or a maximum value of expression level of the gene in organs and tissues other than the organs A and B (for example, C to Z) (Max[EXP 1-m(y_i/C-Z)]), in m ($m \geq 2$, preferably $m \geq 5$, more preferably $m \geq 10$) mouse individuals and the like can be mentioned, the former being more preferable.

[0039]

For example, as shown in an Example below, even when the above-described method of extraction of the present invention (the (a)/(b) ratio is 2 or more) is performed, no mouse prostate-specific highly expressed gene is obtained. However, as a gene specific for the mouse pancreas and prostate, a gene comprising the base sequence shown by SEQ ID NO:9206 is extracted. Therefore, by examining the expression of 1 kind or more genes selected from among mouse pancreas-specific highly expressed genes (2970 kinds of genes comprising the base sequences shown by SEQ ID NO:1136 to 4105, respectively) and the mouse pancreas- and prostate-specific highly expressed gene in an unidentified mouse organ or tissue, the mouse organ or tissue can be identified as the pancreas, prostate or any other one. Therefore, the present invention also provides an

analytical tool for the expression of (M18) a mouse pancreas- and prostate-specific gene comprising a nucleic acid comprising the same or substantially the same base sequence as the base sequence shown by SEQ ID NO:9206 or a partial sequence thereof. Here, "substantially the same base sequence" are as defined above.

Likewise, by the method of extraction of the present invention, for rats, (R24) 1 kind of rat ileum- and jejunum-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:10045, (R25) 3 kinds of rat mesenteric lymph node- and submandibular lymph node-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10046 to 10048, respectively, (R26) 1 kind of rat mesenteric lymph node-, submandibular lymph node- and thymus-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:10049 (hereinabove, the (a)/(b) ratio is set at 2 or more), (R27) 1 kind of rat whole cerebral cortex (frontal lobe + parietal lobe + temporal lobe)-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:10050 (the (a)/(b) ratio is 4 or more), (R28) 3 kinds of rat ileum-, jejunum- and duodenum-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10051 to 10053, respectively and (R29) 2 kinds of rat ileum-, jejunum-, duodenum- and colon-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:10054 to 10055, respectively (hereinabove, the (a)/(b) ratio is set at 8 or more), were obtained. For dogs, (D26) 3 kinds of dog whole duodenum (mucosa + muscle)-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11787 to 11789, respectively, (the (a)/(b) ratio is 8 or more) were obtained. Furthermore, for humans, (H21) 1 kind of human right atrium- and right ventricle-specific highly expressed gene comprising the base sequence shown by SEQ ID NO:11979 (the (a)/(b) ratio is 2 or more), (H22) 2 kinds of human left ventricle- and right ventricle-specific highly expressed genes

comprising the base sequences shown by SEQ ID NO:11980 to 11981, respectively, (the (a)/(b) ratio is 4 or more), (H23) 2 kinds of human left atrium- and right atrium-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11982 to 11983, respectively, and (H24) 3 kinds of human whole heart (left atrium + right atrium + left ventricle + right ventricle)-specific highly expressed genes comprising the base sequences shown by SEQ ID NO:11984 to 11986, respectively, (hereinabove, the (a)/(b) ratio is set at 8 or more) were obtained.

A nucleic acid comprising the same or substantially the same base sequence as each base sequence shown by each SEQ ID NO given above or a partial sequence thereof can be prepared in the same manner as with a nucleic acid that constitutes another analytical tool for the expression of mouse, rat, dog or human organ- or tissue-specific genes.

[0040]

In the specification, where bases, amino acids, etc. are denoted by their codes, they are based on conventional codes in accordance with the IUPAC-IUB Commission on Biochemical Nomenclature or by the common codes in the art, examples of which are shown below. For amino acids that may have the optical isomer, L form is presented unless otherwise indicated.

DNA : deoxyribonucleic acid
cDNA : complementary deoxyribonucleic acid
A : adenine
T : thymine
G : guanine
C : cytosine
RNA : ribonucleic acid
mRNA : messenger ribonucleic acid
dATP : deoxyadenosine triphosphate
dTTP : deoxythymidine triphosphate
dGTP : deoxyguanosine triphosphate
dCTP : deoxycytidine triphosphate

ATP : adenosine triphosphate

EDTA : ethylenediaminetetraacetic acid

SDS : sodium dodecyl sulfate

[0041]

The present invention is explained in more detail in the following by referring to Examples, which are not to be construed as limitative.

[Example 1]

[0042]

[Materials and methods]

1. Database used and method of data extraction

Gene expression data on male C57BL/6 mice were extracted from BioExpress of Gene Logic on April 21, 2006. The parameters used in the extraction are shown in Table 1. Mouse Genome 430 2.0 Array includes 45101 probe sets.

[0043]

[Table 1]

Parameter settings at time of extraction of C57BL/6 mouse gene expression data

Parameter setting in BioExpress	Parameter
Donor Species	M. musculus
Strain	C57BL/6
Gender	Male
Chipset	Mouse430_2 (Affymetrix, Mouse Genome 430 2.0 Array)
Algorithm	MAS5.0 (Affymetrix)
Normalization	Affymetrix
General Pathologic Category	Normal
IVT Labeling Protocol-Mouse430_2	Double Biotin

[0044]

2. Method of calculating Log-ratio values of the gene expression data

The gene expression data extracted were subjected to a

logarithmic conversion with the base 2 using the Avadis version 3.3 software program (manufactured by Strand Genomics). The mean of AFFX-GapdhMur/M32599_5_at, AFFX-GapdhMur/M32599_M_at, and AFFX-GapdhMur/M32599_3_at was subtracted from the value of each probe set, and this was used as the Log-ratio value. Fold change was set at $2^{(\text{Log-ratio value})}$.

[0045]

3. Method of extracting tissue-specific highly expressed genes

Genes highly expressed specifically in various tissues were extracted according to the method described below. Using the gene expression data extracted, the highest Log-ratio value in other organs/tissues was subtracted from the lowest Log-ratio value of gene expression in the organ/tissue of interest; a probe set wherein the difference obtained was not less than 1 (Fold change=2 fold or more) was regarded as the desired tissue-specific highly expressed gene. Hence, the sample giving the lowest gene expression value for the tissue of interest exhibits not less than 2 fold higher expression than the sample giving the highest gene expression value for the other tissues. This was performed on each organ/tissue, and a gene highly expressed specifically in each organ/tissue was extracted. For tissues from which no specific highly expressed gene was obtained, they were combined with other tissues, and the same extraction was performed, whereby genes highly expressed specifically in the combination of organs/tissues were extracted.

[0046]

[Results]

1. Data used

The data used were extracted from the gene expression database BioExpress, introduced from Gene Logic. A total of 20 organs/tissues had the data extracted therefrom: fat tissue, urinary bladder, blood, femoral bone, brain, mammary gland, colon, esophagus, heart, kidney (left), kidney (right), liver, lung, pancreas, prostate, skeletal muscle, spleen, stomach,

testis, and thymus, the total number of samples being 72. The C57BL/6 mice used were at 39 days to 9 weeks of age; regarding the organs/tissues used, the least number of samples was 1 (pancreas) and the largest number of samples was 5 (fat tissue, prostate, skeletal muscle, testis). In the BioExpress of Gene Logic, samples from other mouse strains are included; however, since the largest number of gene expression data sets (samples) was obtained for each organ from intact C57BL/6 mice, the mouse strain C57BL/6 was adopted.

[0047]

2. Identification of genes highly expressed specifically in various mouse organs/tissues

Using the above-described method of extracting a tissue-specific highly expressed gene, genes specifically expressed in various mouse organs/tissues were identified. The number of specific expression probe sets was 35 for fat tissue, 36 for urinary bladder, 431 for blood, 6 for femoral bone, 246 for brain, 17 for mammary gland, 52 for colon, 2 for esophagus, 23 for heart, 0 for kidney (left), 0 for kidney (right), 144 for liver, 143 for lung, 2970 for pancreas, 0 for prostate, 0 for skeletal muscle, 195 for spleen, 29 for stomach, 4669 for testis, and 141 for thymus 141 (Table 2). Since no tissue-specific expression probe set was obtained for kidney (left), kidney (right), prostate and skeletal muscle, the following investigation was performed.

[0048]

[Table 2]

Numbers of genes highly expressed specifically in various organs/tissues

Name of organ/tissue	Number of probe sets showing at least 2 folds or more higher expression than in other organs
Fat tissue	35
Urinary bladder	36
Blood	431
Femoral bone	6
Brain	246
Mammary gland	17
Colon	52
Esophagus	2
Heart	23
Kidney (left)	0
Kidney (right)	0
Liver	144
Lung	143
Pancreas	2970
Prostate	0
Skeletal muscle	0
Spleen	195
Stomach	29
Testis	4669
Thymus	141

[Example 2]

[0049]

Comparison of organ/tissue specificity with specific genes obtained by other method of extraction

The expression of the genes specific for various organs/tissues obtained in Example 1 and the expression of the organ/tissue-specific genes obtained by a method previously published by the present inventors (see the non-patent

document 1 and FIG. 1) (Comparative Example) in various mouse organs/tissues were compared by generating heat maps. FIG. 2 shows a comparison of both for a fat tissue-specific gene group, FIG. 3 shows a comparison for a heart-specific gene group, FIG. 4 shows a comparison for a liver-specific gene group, FIG. 5 shows a comparison for a thymus-specific gene group, and FIG. 6 shows a comparison for a stomach-specific gene group (in all graphs, A represents the results from the gene groups obtained in Example 1, and B represents the results from the gene groups obtained in Comparative Example). For all organ/tissue-specific gene groups, almost all of the genes obtained in Example 1 had the expression thereof localized in the organs/tissues, whereas the genes obtained in Comparative Example included a considerable number of genes that were also highly expressed in other organs/tissues. This demonstrates that the method of the present invention of extracting organ/tissue-specific genes is better than the conventional method.

[Example 3]

[0050]

Identification of genes highly expressed specifically in combinations of organs/tissues

For the kidney (left), kidney (right), prostate and skeletal muscle, for which no specific highly expressed gene was identifiable in Example 1, an attempt was made to identify specific highly expressed genes using combinations with other organs/tissues. As a result, it was found that when the kidney (left) and the kidney (right) were combined, 66 probe sets were expressed specifically in the kidneys (left and right). For the prostate, it was found that when it was combined with the pancreas, 1 probe set was highly expressed specifically in the prostate/pancreas (Table 3). For skeletal muscle, an analysis was attempted after it was combined with the heart, which mainly consists of muscular tissue, or with the prostate, from which no specific gene was acquired when examined alone,

but no specific highly expressed gene was acquired.

[0051]

[Table 3]

Numbers of genes highly expressed specifically in combinations of organs/tissues

Name of organ/tissue	Number of probe sets showing expression at least 2 folds or more higher than in other organs
Kidney (left) + kidney (right)	66
Pancreas + prostate	1
Skeletal muscle + heart	0
Skeletal muscle + prostate	0

[Example 4]

[0052]

Analysis of Wistar rat organ-specific highly expressed genes

[Materials and methods]

1. Database used and method of data extraction

Gene expression data on 13 organs (urinary bladder, cerebellum, colon, cerebral cortex frontal lobe, cerebral cortex parietal lobe, cerebral cortex temporal lobe, esophagus, heart, left kidney, left testis, liver, lung, stomach) from 2-month-old male Wistar rats were extracted from BioExpress of Gene Logic on July 24, 2007. The parameters used in the extraction are shown in Table 4. Fourteen tissues not covered in BioExpress of GeneLogic (spleen, duodenum, jejunum, ileum, mesenteric lymph node, submandibular lymph node, thymus, pancreas, adrenal, skeletal muscle, mammary gland, femoral bone, prostate, fat tissue) and blood were collected from three 2-month-old male Wistar rats, RNAs were extracted using an RNA extraction kit from QIAGEN, and RAE230 2.0 Array data were obtained according to the protocol of Affymetrix. The Rat Genome RAE230 2.0 Array includes 31099 probe sets.

[0053]

[Table 4]

Parameter settings at time of extraction of Wistar rat gene expression data

Parameter setting in BioExpress	Parameter
Donor Species	R. norvegicus
Strain	Wistar
Gender	Male
Chipset	RAE430_2 (Affymetrix, Rat Genome 230 2.0 Array)
Algorithm	MAS5.0 (Affymetrix)
Normalization	Affymetrix

[0054]

2. Method of calculating Log-ratio values of gene expression data

The gene expression data extracted were subjected to a logarithmic conversion with the base 2 using the Avadis version 3.3 software program (manufactured by Strand Genomics). The value of 1367557_s_at, which is a probe set for GAPDH, was subtracted from the value of each probe set, and this value was used as the Log-ratio value. Fold change was set at $2^{(\text{Log-ratio value})}$.

[0055]

3. Method of extracting organ/tissue-specific highly expressed genes

Organs/tissue-specific highly expressed genes were extracted according to the method described below. Using the gene expression data extracted, the highest Log-ratio value in other organs/tissues was subtracted from the lowest Log-ratio value of gene expression in the organ/tissue of interest; a probe set wherein the value obtained was not less than 1 (2, or 3) (Fold change=2 (4, or 8) fold or more) was regarded as the desired tissue-specific highly expressed gene. Hence, the sample giving the lowest gene expression value for the tissue of interest exhibits not less than 2 (4, or 8) fold higher

expression than the sample giving the highest gene expression value for other tissues. This was performed on each organ/tissue, and genes highly expressed specifically in each organ/tissue were extracted. For tissues from which no specific highly expressed gene was obtained, they were combined with other tissues, and the same extraction was performed, whereby genes highly expressed specifically in the combination of organs/tissues were extracted.

[0056]

[Results]

1. Data used

The data used were extracted from the gene expression database BioExpress, introduced from Gene Logic, or obtained by performing a microarray analysis on RNAs actually extracted from various rat organs/tissues. A total of 28 organs/tissues had the data extracted therefrom: urinary bladder, cerebellum, colon, cerebral cortex frontal lobe, cerebral cortex parietal lobe, cerebral cortex temporal lobe, esophagus, heart, left kidney, left testis, liver, lung, stomach, spleen, duodenum, jejunum, ileum, mesenteric lymph node, submandibular lymph node, thymus, pancreas, adrenal, skeletal muscle, mammary gland, femoral bone, prostate, fat tissue and blood, the total number of samples being 118. Regarding the organs/tissues used, the least number of samples was 3 and the largest number of samples was 10.

[0057]

2. Identification of genes highly expressed specifically in the various rat organs/tissues

Using the above-described method of extracting organ/tissue-specific highly expressed genes, genes specifically expressed in various rat organs/tissues were identified. For Fold changes of larger than 1 fold, 2 folds or more, 4 folds or more and 8 folds or more, the numbers of probe sets expressed specifically in the respective organs/tissues are shown in Table 5(A); the numbers of probe

sets expressed specifically in the respective combinations of organs/tissues are shown in Table 5(B).

[0058]

[Table 5]

(A)

Organ/tissue	Number of samples	Fold change			
		Larger than 1	2 folds or more	4 folds or more	8 folds or more
Fat tissue	3	119	25	0	0
Adrenal	3	145	46	16	5
Urinary bladder	4	88	16	4	2
Blood	3	98	27	0	0
Cerebellum	10	81	22	12	4
Colon	4	38	7	3	0
Cerebral cortex frontal lobe	7	2	0	0	0
Cerebral cortex parietal lobe	9	0	0	0	0
Cerebral cortex temporal lobe	7	0	0	0	0
Duodenum	3	10	1	0	0
Esophagus	4	49	16	6	1
Femoral bone	3	57	24	18	10
Heart	9	35	13	4	0
Ileum	3	174	18	6	2
Jejunum	3	33	0	0	0
Kidney	3	92	36	21	12
Testis	4	3773	2028	1076	598
Liver	3	253	162	93	49
Lung	4	293	78	26	7
Mammary gland	3	265	58	22	11
Mesenteric lymph node	3	256	0	0	0
Pancreas	3	1728	333	90	33
Prostate	3	365	107	47	26
Skeletal muscle	3	102	36	3	1
Spleen	3	102	6	2	1
Stomach	5	40	26	21	10
Submandibular lymph node	3	71	6	3	2
Thymus	3	50	4	0	0

(B)

Organ/tissue	Number of samples	Fold change			
		Larger than 1	2 folds or more	4 folds or more	8 folds or more
Ileum + jejunum	6	48	1	0	0
Mesenteric lymph node + submandibular lymph node	6	185	3	0	0
Ileum + jejunum + skeletal muscle	9	1	0	0	0
Ileum + jejunum + heart	15	0	0	0	0
Ileum + jejunum + skeletal muscle + heart	18	0	0	0	0
Ileum + jejunum + duodenum	9	44	12	4	3
Ileum + jejunum + duodenum + colon	13	50	19	6	2
Ileum + jejunum + duodenum + stomach	14	1	0	0	0
Ileum + jejunum + duodenum + esophagus	13	0	0	0	0
Whole cerebral cortex	23	130	21	1	0
Mesenteric lymph node + submandibular lymph node + thymus	9	44	1	0	0

[Example 5]

[0059]

Analysis of beagle dog organ specific highly expressed genes

[Materials and methods]

1. Methods of data extraction and acquisition

12-month-old male beagle dogs were exsanguinated under Nembutal anesthesia, tissues were extirpated, and RNAs were extracted using an RNA extraction kit from QIAGEN. Using the RNAs extracted, data on Canain ver 2.0 Array were obtained according to the protocol of Affymetrix.

[0060]

2. Method of calculating Log-ratio values of the gene expression data

The gene expression data extracted were subjected to a logarithmic conversion with the base 2 using the Avadis version 3.3 software program (manufactured by Strand Genomics). Subtracted from the value of each probe set was a logarithmically converted mean of CfaAffx.23015.1.s1_x_at, CfaAffx.26731.1.s1_x_at and CfaAffx.13010.1.s1_x_at, which are probe sets for GAPDH, and this was used as the Log-ratio value. Fold change was set at $2^{(\text{Log-ratio value})}$.

[0061]

3. Method of extracting organ/tissue-specific highly expressed genes

Organ/tissue-specific highly expressed genes were extracted according to the method described below. Using the gene expression data extracted, the highest Log-ratio value in other organs/tissues was subtracted from the lowest Log-ratio value of gene expression in the organ/tissue of interest; a probe set wherein the difference obtained was not less than 1 (2, or 3) (Fold change=2 (4, or 8) fold or more) was regarded as the desired tissue-specific highly expressed gene. Hence, the sample giving the lowest gene expression value for the tissue of interest exhibits not less than 2 (4, or 8) fold higher expression than the sample giving the highest gene expression value for the other tissues. This was performed on each organ/tissue, and a gene highly expressed specifically in each organ/tissue was extracted. For tissues from which no specific highly expressed gene was obtained, they were combined with other tissues, and the same extraction was performed, whereby genes highly expressed specifically in the combination of organs/tissues were extracted.

[0062]

[Results]

1. Data used

The data used were obtained by performing a microarray analysis on RNAs extracted from various beagle dog organs/tissues. A total of 35 organs/tissues had the data extracted therefrom: fat, adrenal, aorta, urinary bladder, cecum (mucosa), cecum (muscle), cerebral cortex, colon (mucosa), colon (muscle), duodenum (mucosa), duodenum (muscle), epididymis, heart, ileum (mucosa), ileum (muscle), jejunum (mucosa), jejunum (muscle), kidney (cortex), kidney (medulla), liver, lung, mesenteric lymph node, pancreas, hypophysis, rectum (mucosa), rectum (muscle), skeletal muscle, skin, spleen, stomach (mucosa), stomach (muscle), submandibular lymph node, testis, thymus, and thyroid, the total number of samples being 125. Regarding the organs/tissues used, the least number of samples was 2 and the largest number of samples was 4.

[0063]

2. Identification of genes highly expressed specifically in the various organs/tissues

Using the above-described method of extracting organ/tissue-specific highly expressed genes, genes specifically expressed in various beagle dog organs/tissues were identified. When the Fold change was set at larger than 1 fold, 2 folds or more, 4 folds or more and 8 folds or more, the numbers of probe sets expressed specifically in the respective organs/tissues are shown in Table 6(A); the numbers of probe sets expressed specifically in the respective combinations of organs/tissues are shown in Table 6(B).

[0064]

[Table 6]

(A)

Organ/tissue	Number of samples	Fold change			
		Larger than 1	2 folds or more	4 folds or more	8 folds or more
Fat	2	223	52	15	6
Adrenal	3	112	38	17	7
Aorta	4	180	35	1	0
Urinary bladder	4	5	1	1	0
Cecum (mucosa)	4	0	0	0	0
Cecum (muscle)	4	0	0	0	0
Cerebral cortex	4	437	159	63	10
Colon (mucosa)	4	3	0	0	0
Colon (muscle)	4	0	0	0	0
Duodenum (mucosa)	2	53	2	0	0
Duodenum (muscle)	3	0	0	0	0
Epididymis	4	101	65	46	32
Heart	4	64	27	15	4
Ileum (mucosa)	4	8	0	0	0
Ileum (muscle)	4	0	0	0	0
Jejunum (mucosa)	3	20	0	0	0
Jejunum (muscle)	4	0	0	0	0
Kidney (cortex)	4	140	52	21	10
Kidney (medulla)	4	72	16	6	0
Liver	4	541	306	181	118
Lung	4	313	67	19	10
Mesenteric lymph node	4	77	3	1	0
Pancreas	2	2770	824	191	90
Hypophysis	4	133	29	8	3
Rectum (mucosa)	3	0	0	0	0
Rectum (muscle)	4	2	0	0	0
Skeletal muscle	4	123	58	38	24
Skin	3	412	166	92	53
Spleen	4	461	86	30	5
Stomach (mucosa)	2	194	45	19	12
Stomach (muscle)	2	40	5	0	0
Submandibular lymph node	4	165	64	28	11
Testis	4	6799	4070	2337	1303
Thymus	4	198	46	14	2

Thyroid	4	117	33	15	14
Whole cecum (mucosa + muscle)	8	0	0	0	0
Whole colon (mucosa + muscle)	8	0	0	0	0
Whole duodenum (mucosa + muscle)	5	3	3	3	3
Whole ileum (mucosa + muscle)	8	5	2	1	1
Whole jejunum (mucosa + muscle)	7	0	0	0	0
Whole rectum (mucosa + muscle)	7	0	0	0	0
Stomach (mucosa + muscle)	4	1	0	0	0
Whole mucosa	22	0	0	0	0
Whole muscle	25	0	0	0	0

(B)

Organ/tissue		Fold change			
	Number of samples	Larger than 1	2 folds or more	4 folds or more	8 folds or more
Cecum + rectum (mucosa)	7	0	0	0	0
Cecum + rectum + colon (mucosa)	11	2	0	0	0
Cecum + rectum (muscle)	8	0	0	0	0
Cecum + rectum + colon (muscle)	12	0	0	0	0
Duodenum + ileum + jejunum (mucosa)	9	11	0	0	0
Duodenum + ileum + jejunum (muscle)	11	0	0	0	0
Stomach (mucosa) + submandibular lymph node	6	4	0	0	0
Whole muscle (except ileum) + urinary bladder	25	0	0	0	0
Ileum + jejunum (mucosa)	7	5	0	0	0
Ileum + jejunum (muscle)	8	0	0	0	0

[Example 6]

[0065]

Analysis of human organ specific highly expressed genes

[Materials and methods]

1. Database used and method of data extraction

Using Gene Logic BioExpress, gene expression data on 31 organs or tissues from 35- to 55-year-old men were extracted on September 19, 2007 (fat, aorta, urinary bladder, body of the stomach, osteous tissue, cecum, cerebellum, cerebrum, colon, duodenum, esophagus, heart (left atrium, right atrium, left ventricle, right ventricle), hypothalamus, ileum, jejunum, kidney, liver, lung, pancreas, prostate, rectum, skeletal muscle, skin, spleen, testis, thalamus, thyroid, vein). The organs/tissues used had been confirmed as normal in pathological examination.

[0066]

2. Method of calculating Log-ratio values of gene expression data

The gene expression data extracted were subjected to a logarithmic conversion with the base 2 using the Avadis version 3.3 software program (manufactured by Strand Genomics). Subtracted from the value of each probe set was a logarithmically converted mean of 212581_x_at, 213453_x_at and 217398_x_at, which are probe sets for GAPDH, and this was used as the Log-ratio value. Fold change was set at $2^{(\text{Log-ratio value})}$.

[0067]

3. Method of extracting tissue-specific highly expressed genes

Organ/tissue-specific highly expressed genes were extracted according to the method described below. Using the gene expression data extracted, the highest Log-ratio value in other organs/tissues was subtracted from the lowest Log-ratio value of gene expression in the organ/tissue of interest; a probe set wherein the difference obtained was not less than 1 (2, or 3) (Fold change=2 (4, or 8) fold or more) was regarded as the desired tissue-specific highly expressed gene. Hence,

the sample giving the lowest gene expression value for the tissue of interest exhibits not less than 2 (4, or 8) fold higher expression than the sample giving the highest gene expression value for the other tissues. This was performed on each organ/tissue, and a gene highly expressed specifically in each organ/tissue was extracted. For tissues from which no specific highly expressed gene was obtained, they were combined with other tissues, and the same extraction was performed, whereby genes highly expressed specifically in the combination of organs/tissues were extracted.

[0068]

[Results]

1. Data used

The data used were extracted from the gene expression database BioExpress, introduced from Gene Logic. A total of 31 organs/tissues had the data extracted therefrom: fat, aorta, urinary bladder, body of the stomach, osteous tissue, cecum, cerebellum, cerebrum, colon, duodenum, esophagus, heart (left atrium, right atrium, left ventricle, right ventricle), hypothalamus, ileum, jejunum, kidney, liver, lung, pancreas, prostate, rectum, skeletal muscle, skin, spleen, testis, thalamus, thyroid, and vein, the total number of samples being 100. Regarding the organs/tissues used, the least number of samples was 1 and the largest number of samples was 9.

[0069]

2. Identification of genes highly expressed specifically in various organs/tissues

Using the above-described method of extracting organ/tissue-specific highly expressed genes, genes expressed specifically in various human organs/tissues were identified. When the Fold change was set at larger than 1 fold, 2 folds or more, 4 folds or more and 8 folds or more, the numbers of probe sets expressed specifically in the respective organ/tissues are shown in Table 7(A); the numbers of probe sets expressed specifically in the respective combinations of

organs/tissues are shown in Table 7(B).

[0070]

[Table 7]

(A)

Organ/tissue	Number of samples	Fold change			
		Larger than 1	2 folds or more	4 folds or more	8 folds or more
Fat	2	0	0	0	0
Aorta	1	222	17	0	0
Urinary bladder	1	76	8	1	0
Body of the	3	1	0	0	0
Osteous tissue	1	216	39	16	8
Cecum	3	1	0	0	0
Cerebellum	2	442	95	20	3
Cerebrum	1	774	108	19	0
Colon	6	0	0	0	0
Duodenum	8	0	0	0	0
Esophagus	3	0	0	0	0
Hypothalamus	5	49	8	0	0
Ileum	4	0	0	0	0
Jejunum	5	0	0	0	0
Kidney	7	117	51	29	12
Liver	4	113	33	13	5
Lung	9	193	45	26	19
Pancreas	2	864	143	57	45
Prostate	9	17	11	4	4
Rectum	1	18	0	0	0
Skeletal muscle	8	87	49	23	14
Skin	3	55	24	16	5
Spleen	2	419	80	6	1
Testis	2	258	79	26	10
Thalamus	1	245	26	3	0
Thyroid	1	73	23	11	10
Vein	2	8	0	0	0
Left atrium	1	19	0	0	0
Right atrium	1	33	1	1	1
Left ventricle	1	356	37	1	0
Right ventricle	1	64	3	0	0

(B)

Organ/tissue	Number of samples	Fold change			
		Larger than 1	2 folds or more	4 folds or more	8 folds or more
Ileum + jejunum	9	0	0	0	0
Ileum + jejunum + duodenum	17	1	0	0	0
Colon + rectum	7	0	0	0	0
Cecum + colon + rectum	10	0	0	0	0
Stomach + esophagus	6	0	0	0	0
Aorta + vein	3	10	0	0	0
Left atrium + right atrium	2	11	7	3	2
Left ventricle + right ventricle	2	82	8	2	0
Left atrium + left ventricle	2	8	0	0	0
Right atrium + right ventricle	2	16	1	0	0
Whole heart	4	41	13	5	3

Industrial Applicability

[0071]

The method of the present invention for extracting an organ- or tissue-specific gene enables the extraction of a set of truly organ- or tissue-specific highly expressed genes, and is useful as a tool for searching disease markers and toxicity markers in each organ/tissue. The method of the present invention for identifying an unidentified organ or tissue enables the identification of an organ or tissue for which no specific highly expressed gene has been obtained, and is useful in, for example, confirming differentiation in the field of regenerative medicine and the like.

While the present invention has been described with emphasis on preferred embodiments, it is obvious to those skilled in the art that the preferred embodiments can be modified. The present invention intends that the present invention can be

embodied by methods other than those described in detail in the present specification. Accordingly, the present invention encompasses all modifications encompassed in the gist and scope of the appended "CLAIMS."

This application is based on patent application No. 2006-293324 filed on October 27, 2006 in Japan, and the contents disclosed therein are hereby entirely incorporated by reference. In addition, the contents disclosed in any publication cited herein, including patents and patent applications, are hereby incorporated in their entireties by reference, to the extent that they have been disclosed herein.

Claims

1. A method of extracting an organ- or tissue-specific highly expressed gene, comprising the steps (1) to (3) below;
(1) measuring expression levels of a specified gene group for each organ or tissue in 2 or more individuals,
(2) acquiring, for each gene, (a) a minimum value of expression levels of particular organ(s) and/or tissue(s) in all individuals and (b) a maximum value of expression levels in other organs and tissues in all individuals,
(3) extracting the gene as a gene highly expressed specifically in the particular organ(s) and/or tissue(s) if the above-described (a)/(b) ratio is 2 or more to 8 or more.

2. The method of claim 1, wherein the gene is extracted as a gene highly expressed specifically in particular organ(s) and/or tissue(s) if the (a)/(b) ratio is 2 or more.

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<400> 5
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gtgctcacaa caatctataa ctctatctcc aggagagccg gtgccctctt caggggcacn 120

taaacttaat gcacatacct tcacacagac acatacatat aaatacaaaa taaaagaact 180

cagcctggca cggtgacaca tgactttaat cccagcattg gaagtcagag gtagacagat 240

ctctgagcat gagtccagcc tggtctacag agtgagttcc aggacagcca tagctataca 300

gagaaaccct gtcttgcaaa acaaaaacaa acaaaccaaa agagagttct ttaaagacaa 360

aagnaaagct aaaaatgagt aggcgataag tgtacatttg tttatttctg ctgcattcct 420

tgagaactga gtaa 434

<210> 6
<211> 443
<212> DNA
<213> Mus musculus

<400> 6
tgcacctcta ccacatagtt caaagagaag gaggatggga tgcagtcatg gactggaaag 60

atgtcctttc cggaggggag aagcagagaa tgggcatggc gcggatgttt taccataaac 120

cgaagtatgc attgctggat gaatgtacca gtgccgtgag catcgacgtt gaaggaaaga 180

tatttcaggc tgctattggg gctgggattt ccctactctc cataacacac aggccttctc 240

tgtggaaata ccacactcat ctattacaat tcgatggcga aggaggctgg cgctttgaac 300

agttggacac tgctatccgt ttaacgttga gtgaggaaaa gcaaaagttg gagtcgcagc 360

tcgctggaat tcccaaaatg caacagagac tcaacgaact atgcaaaatt ctgggggaag 420

actcggtgct gaaaacaatc caa 443

<210> 7
<211> 438
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<400> 7
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gttcttggtt tattttcaaa ctcggtatgt atgttaggct gaactgtgtc tttaaacttc 120

aaactcagtg tggacaggca aaattagcat caaagagaaa ccttgccaat gtgtgtgngn 180

gggtgggggg aggaactatt tcacttgtgg agagcatact atgtttgcaa cactggagaa 240

gatgtgtgtg actgttagac agatgtttaa tcataaagca caggagaacg gagtgtgatg 300

ctcagttccc caacagcctt tggggtattc attgccacac ccactgtgta cacaggcgtt 360

tgtggcccgg ctgcctgcgt gtttcgtggc tgtagcacgg ctcttgtcca ccctgctgcc 420

tttggattgc atttcaag 438

<210> 8
<211> 290
<212> DNA
<213> Mus musculus

<400> 8
ccaggcctat cagggtcaga gagtctgtcc caacaatagc actggtattc agatccaaaa 60

gattccccag gacacgaggc agagtctccc caacatgcaa gatacctatg aactgcttgg 120

aaactcccag ctagctccaa aactgcaggg acaaatctca gaagagtata agcaaacagc 180

cttgtaaagg aaaggctacg ctagtcacag tgagacttac aaaaggctgg tttcttgaac 240

atgcgttcca gtcccgtgac atgtgaacac ataggttcat gcaggtgatg 290

<210> 9
<211> 551
<212> DNA
<213> Mus musculus

<400> 9
gaagccgctt atgtgtatcg ctcagcgttc agtgtggggc tggagacccg cgtcactgtt 60

cccaatgtac ccattcgctt tactaagatc ttctacaacc aacagaatca ttatgacggc 120

agcactggca agttctactg caacattccg ggactctact acttctctta ccacatcacg 180

gtgtacatga aagatgtgaa ggtgagcctc ttcaagaagg acaaggccgt tctcttcacc 240

tacgaccagt atcaggaaaa gaatgtggac caggcctctg gctctgtgct cctccatctg 300

gaggtgggag accaagtctg gctccaggtg tatggggatg gggaccacaa tggactctat 360

gcagataacg tcaacgactc tacatttact ggctttcttc tctaccatga taccaactga 420

ctgcaactac ccatagccca tacaccagga gaatcatgga acagtcgaca cactttcagc 480

ttagtttgag agattgattt tattgcttag tttgagagtc ctgagtatta tccacacgtg 540

tactcacttg t 551

<210> 10
<211> 321
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
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<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<400> 10
gtatcccaaa agagtctatt taaataactg ttatgaggag attctctata ttaacatgca 60

ataataagca tgcatacata aatggttcaa gacttacatt agggaccaat acaatgtatc 120

tgcatacatt ttctatataa atcttaagaa atgaagacag tanaaagatt cctagattta 180

cttttgattt catcatataa ctaaatgnta aataagacag tactattgat tttaaaggaa 240

ctttgtaatt gtncaatgaa caagttttct gacctgactc agttncnata agattnagtt 300

aagttattcc ataaactcat t 321

<210> 11
<211> 316

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (266)..(267)
<223> n is a, c, g, or t

<400> 11
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tcacttaccg tgcagatttt ctagctccct gaaaggagga cctgaatctt cctggtcttt 120

gtaccaccct aaactaccat acttggagat gaatgagcaa tataatataa gattccagaa 180

cacattgtgg gtttttgtt gttgttgttg ttgttgttgt tttgttttgg tgttgttgtt 240

attgttgaat atcatttcat ttccannacc gagagtaaaa agttaaatcc atgctgttat 300

ctctctgatt gaccat 316

<210> 12
<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

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<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<400> 12
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cttcaacctc cctctgtgcc tccggagggc ctccctgcag acaacagagg agccaggaag 120

gagagctggc actgaccagt ggttaacgca gcagagtcct tctgcctcag ccccggggcc 180

cctggctctc ccctaggacc aggtccagga tggaggtccc agggcatcag ctggcctcac 240

actcaagcag tggtgagcct ggagacagag cgtctcaact gtagaacgga tgatgccaga 300

gagccagtcg ggctcaancn aacggtgaac tccaaccaac ccgggnagct acntcttttt 360

naggnccgtt tacaatgncc ttgaatatag caggaaactg accgggacaa aaccaagttt 420

acaaagagga ccatcacaca cattgatagt 450

<210> 13
<211> 517
<212> DNA
<213> Mus musculus

<400> 13
ggtgccttgg atgccgcagc aaagatgttc agtaaagcct ttgacagcgg catcattccc 60

atggagttcg tcaacaagat gaagaaggag gggaagctga tcatgggcat cggccatcga 120

gtaaaatcga taaacaaccc agacatgcga gtgcagatcc tcaaggactt cgtcaaacag 180

cacttccccg ccaccccgct gctcgactat gccctggaag tggagaagat taccacctcc 240

aagaagccaa atcttatcct gaatgtggac ggcttcatcg gcgttgcgtt tgtggacatg 300

ctcaggaact gtggctcctt cacccgggag gaagctgatg aatatgttga cattggagcc 360

ctcaatggca tctttgtgct aggaaggagt atgggcttca ttgggcacta ccttgaccag 420

aagaggctga agcaagggct gtatcgtcac ccctgggatg acatttccta tgttcttcca 480

gaacacatga gcatgtaact gagccaggag ccctact 517

<210> 14
<211> 570
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

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<222> (440)..(440)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<400> 14
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ccttagttct agctttgggt caccttttgt caaagacata gcctttattt aagcatttgt 120

gttgaaggag tcagtgcacc cgagacagaa ggattctgtg taacatgccg acagggtgac 180

taaggttcta agttgttcac cctccacagg gaagctaaac aaacaaagtt cacagcttaa 240

gggaccgaga tgcagagtgt tagtttccaa acttttctat acactgacat tctgatttcc 300

tgagttcaga agatacttac ccagtctgct ttacgtttcc tgattgttga gaatgcgatc 360

accattctna aaggacatga aatgtgaaac agcatnttca ctctacagaa attantcaga 420

caattcattt catgagggan tnatatggga aagaagccta gaaaattaaa tttggcaaca 480

agtgttgtga aatgtgattt ttgttcactc aaaaatagat gacctttaa cacaataact 540

ctaagtgagg cctggccttt gacttagatt 570

<210> 15
<211> 295
<212> DNA
<213> Mus musculus

<400> 15
aacatggtca actggagaga gttccggttt gttcagtcca aactgggtta tctgaccctg 60

gtcttgtgca cagcccacac tttggtgtat ggcggaaaga gattcctcag cccgtcgatt 120

ctaaggtgga gcctcccttc ggcttatatt ttggcactcg tcatcccctg cgcagtgctg 180

gtgctgaagt gcatcctcat catgccatgc atagacaaga ccctcactcg catccgccag 240

ggcttgggaa agaaactcaa agtacacaca atcagcactg aacggaaaat cggat 295

<210> 16
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
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<222> (380)..(380)
<223> n is a, c, g, or t

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<222> (389)..(389)
<223> n is a, c, g, or t

<220>
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<222> (416)..(416)
<223> n is a, c, g, or t

<400> 16
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atcaagacaa ccaagcgagc agcatgccac agcaccaact atgtctatga ccatggtgcc 120

agagtggtta gcactctgta gtagaagaaa aggaggtggg ggcttcgggg gtctctcacc 180

tgggactctg atcactccct cctagccccc agctgcacat gatcatgagg tgtgcgagag 240

agtgttagag gtggagatta actaaagccg gcatgccagg gatgcagatc tgggggtcc 300

tcacctgtgc cagggatgca gatctggggg gtcctcacct gtgccaggga gggaccttag 360

ggaatgcaga tgattntgan tcacccagnc ccctcctgta agtaacctaa aagctnatag 420

attcaccaag ctggacttgg gtgaaaccgc ggctta 456

<210> 17
<211> 436
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<400> 17
gtgttagtgt ttgtgctcag aagtcaccat aatcatgaaa ataatatact gataataaat 60

ctttaacata ctacctaaag ggaacctgca ataatcttgg gggaaaaaaa aaaaangaaa 120

gaaaaattcc taatacagga gggaganaaa aaaaaangna aaaaaaagaa aaaaaagaaa 180

aaaggaagna acctccagcg tattttatca ctacctatag aaagaaatcc tgctttgaga 240

gtatttgtaa tgcgnttttg ttgttgtttg ttgctgcttc tttcactaag aaaaaaaaaa 300

atcccaacaa ctgagactgc ctagcccncc gntcttgtgc gcttttattg tgcttctaac 360

cccagtagag tagaactaaa ctgcactgaa tgtatagtta ctctgtcttg aattctctgt 420

ttatgcaatg tgctcg 436

<210> 18
<211> 484
<212> DNA
<213> Mus musculus

<220>
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<222> (61)..(61)
<223> n is a, c, g, or t

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<222> (134)..(134)
<223> n is a, c, g, or t

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<222> (186)..(186)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (195)..(196)
<223> n is a, c, g, or t

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<222> (270)..(270)
<223> n is a, c, g, or t

<220>
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<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
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<222> (356)..(356)
<223> n is a, c, g, or t

<220>
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<222> (359)..(360)
<223> n is a, c, g, or t

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<222> (367)..(371)
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<222> (391)..(391)
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<222> (408)..(408)
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<222> (417)..(417)
<223> n is a, c, g, or t

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<222> (436)..(436)
<223> n is a, c, g, or t

<220>
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<222> (456)..(456)

<223> n is a, c, g, or t

<220>
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<222> (459)..(459)
<223> n is a, c, g, or t

<400> 18
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ncctctctct ctttccgaga gaagttgtct aagacccacc ttgaacttca ctactacctc 120

agcagctggg acgncaggcc acctgtgctt gacggccctg ggaggagccc tatggccttg 180

gaggcntgcc agtcnncctg cctatgtttg tgctgtatgc ttagggaaaa gagagcaccc 240

ctccctccct ttcttcctac tgctttcctn accctgatga tcgacatgtt cctccacaaa 300

tcactctgtc tccnggcntn tgtntntntg gttantttga gagcaggaat ccangnaann 360

aaaaaannnn ntttgaggtt tcatccctnt ntcctcacta tggctctnta agcaccntct 420

tggaccatct ctcacnatag gcacaaaaca gctctnatnt acctcacagt taggacttca 480

aggt 484

<210> 19
<211> 501
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

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<222> (462)..(462)
<223> n is a, c, g, or t

<400> 19
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ttactaaaat natttccatt aattngaaaa aataatttaa tcatggtctg agtcctcaga 120

gagcattaaa ccagtcaagt tattaatgtc aaaagtctgt actttngacn tntgggagaa 180

cacacgctag catagcttca gcacttggaa aataaggcag gaagaaagag agttcaaggc 240

aattttaggt taaacaataa aatcctaaga aaaccatcaa accttacttn naaataaaaa 300

ttctattgtt aatttatttt tacatttaat tttcaataat atanatgcta actttataag 360

ctgctatata atntctcacc agttgttaat tatntcttgt ttatataaaa ttttngtatg 420

taagaaatgt ttgnaaatga ctatattata ttgatttgac cnaaagaaag tttacagaat 480

caactgtata acactaaact c 501

<210> 20
<211> 130
<212> DNA
<213> Mus musculus

<400> 20
aagaatggcc attctggtga tgtcataaga aataatgata gagtgacaga caactcctcc 60

cttccaaggt aagaggagag caaaaactta ctacttcctg agctatcgtt acatgttacc 120

ctttcccagt 130

<210> 21
<211> 294
<212> DNA
<213> Mus musculus

<400> 21
cctgcgcagc aagcgtgctg agcaaaaagg accaccgttg ggttgcaaac tgccttggag 60

ttcggtttgt gtactgctga gaggaccatt aaaacgcgga gagctacgaa gatcctgtag 120

tcccgcccgc cctaggccag cgtcaacccc acaactagcc aacgatccca gtccgaaatg 180

ggggaggttc agaagccctg cgggtcctcc cggcccctga gccacagcct ggctaacact 240

gacgcctctt agaactgcgg cggcgcagtc acacggcaaa tcgacacttt tcaa 294

<210> 22
<211> 521
<212> DNA
<213> Mus musculus

<220>
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<222> (325)..(325)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (340)..(340)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<400> 22
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ggatgagtgg tgttcattcc cacaacacat ctcattcagc tgcagtggag aaagcactgt 120

tagcttttct tgtttgtatg ctaaagattt cttttgtctt atgattgttg ttttgttttg 180

tttgtttgtt ttgtaacaaa atgaaattgt ccaagggaag gagcctttaa aacaaaagaa 240

ccacactttc tgcaggatac aagtgtgagc tatgcggagc ttgcctcctg tccaccctgc 300

ccccaacttc tctgtagtgg tttanccccn aactccccan ccttgtcagc agnaaactaa 360

atggtataac tacctttgg aaaactganc cttaacattt tttaaagggg aaacaagagt 420

tctctgagtc caatagcatg agctatattt natagtgatc tatttaatac tgctgtgagc 480

tcttgaggct gttagctccg gagcaaccct gtgtagaaag t 521

<210> 23
<211> 557
<212> DNA
<213> Mus musculus

<400> 23
accctggtgg atggagtagt gttacattac caagtgcaga taaccgatgc ctacccgaca 60

ggattgctaa gtcacggaaa ttcaagtggc aaagcatcct cagttctcgt gggtaaaaag 120

aagaagaaga aagcagcagg agggggcagc ctagtggggg ccagtctgcc tctgggggac 180

tgcagttgaa gaagagtggt agaaactatt tgcactttct agaaaggcaa ggccatttgc 240

ttattgcaga aagaacagct tgctgaattc agcttgctct gtgagttact ttccataaac 300

ttaatctgac tgtagtcatt tttttctttc atgcttttta attactaaga gaaatttggc 360

gacttcaata gctttggtat tttgtgtgca aatcataata gatccagtgt gaaaaaatca 420

aaatgtcacc tgtcactcag tgttagaaaa ttgcctaaaa tgcagtttaa taaatgatct 480

ttgtaccaaa ttgtaatgta aatggggtca ttttctgcca ggaaaatgta ctgtttttat 540

gtttccaact ctcctga 557

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<223> n is a, c, g, or t

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tncggtatat catacataga gcacatatgt tcattctaaa tcccatttct gggaatacca 120

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<223> n is a, c, g, or t

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agcttttggc agaaggtagt ctctgcccgc tgaggctttg gttatttcct tttcctgacc 120

atgatgggga acactgtgct caaggcagca tcaagatgga gggggccagg gccagtcaca 180

atgctcagat aaaatgtcac catctatgtt acagataagt gtgttgaact ttctaaacca 240

ctaagtctta gcccaactca gaaatccagc agtgaacaag aaaaacatag ggtcatgcct 300

atgggccagg ggcagcagac agagacatca ttggagtcgt ttttttnact tctgaattct 360

tgcaatgaac atcttctgtt acctgtcggg caccaagcat aatacagggc tcttatataa 420

tagtttgggt aaaggtgtta taaaaacaag agcttatata acattgtagc tttgtgtacc 480

caacagtaga gtntacgggt catctcctga gtcttgacct tgtaacttgc catgg 535

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attatttgta taacaataga gaataaattt gatgaaaatt gtttccaaaa ggaaaagttt 120

ctaagtaaaa tgcactatat ttggtcagta tgtatttatt aaggtaaaat tttctcatag 180

ttactataat gaattaaagt ctcattattc aaaatgtcaa aagacatcac ccagcagctg 240

ttgaaatgca taccatgagn ccccacctaa gaccagccna nncagtgtan tcagctnaca 300

tnatccccna gagaaccttg ggcttnttac agatacattc ctctaanaca taaaggatct 360

tnttttatgt ttcaatcact tanaaataat ttggnnaaac acttanatgt tttttaaata 420

taaaagataa tgtgtagaaa taagcttttc acaatattaa ctttt 465

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acatttaatc attttatggc acttatttct ttctctcagt gtcaanntta tnnaccttct 120

gtttttnatn tngtagatna cnaatnttcg catcaccaat tcnaaaccat ttagagnatg 180

gtggggagaa anctacatat gtttgatant catttgcttt tagagtggac natatactta 240

atgcacttta accaaggtac tattggtttt taaaaggtaa acaacaaanc ccntgaactg 300

aatgctatac aaatgttntc atatttcatt tgnccctatc atgaattgta acatcaataa 360

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<211> 532
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aagaattgag taaagttttc atctttggat catatgtaga ttttcctcnt tcccanatct 120

gagggnatac atcagcaagt aagcnatggg ttattttccc gtaganagaa tctataaaaa 180

taaantaata aaacngacaa aacaaatgaa taaacaaaaa aacacagttt ctcacacctg 240

ggaaggagct ntttttctta tgtttcaatg aggaaagcca tctctcctnc agatagaggc 300

agttatcacg gctgtggtgc taaaatgnan tcatcagact gcttanaaca ttgggagnaa 360

attanagaac tttctatttt aaaatctccc catgaggttt ctgttttntc ttgtttntca 420

aatcacatct aaaatatttt gaattgaatg tntctttgat cncaatgata cnatccnaga 480

aatgtgacca cacttaaatt caccttgatg gtgtccctgt gatcttgtac tt 532

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aaaaaataaa ttgggtttta aaataagaac tgggcgataa attgtatcta aactgcgcag 120

atgggcatcg tcgtgcggct gtgttttcat tgttgaaggt tgaacagagt tctacagagt 180

cgtggatgac attcagatgt ttcatgactt ttggatctgc gaacatntgc atttnatagt 240

catgtatact natattgtta agaaatnatc atattttaga atttagtaag aactcagtga 300

tanccttcat accnaaatgt ttaactttnc caanagctag tcataaaaaa gtatttattt 360

taaagctttt taatacaatt gcataac 387

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aattatgtga gccangcagt ggtggcgcac acctttaatc ccagcactnn ggaggcagag 120

gnaggcggat ttctgagttc gagnccagnc tggtctacaa agtgagttcc aggacagcca 180

gngctacnca gagaaaccct gtctcnggaa aaanaaaatt atgtggncca ggtaaatgtc 240

tagaaatgga attgtaggca aagcagggca naaggaaaaa antttaagta gatgaataaa 300

tatttttaag gcanggagga atggcagttg cttntctnnc aggggtccnc gagttnctat 360

tnccagcatc acatggtggc tcagaactgt gtctaattcc agttccaggg aatctgacac 420

cctcttctgg acttcaggan ccctgcatnc atgaantcct catacataca tgcagacaaa 480

acattcttaa cattaaaaan tcaataaatc tgaaagatag taaggatatt gaaattgnca 540

atgttgatgt tattatcact tattactgtt 570

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<212> DNA
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<223> n is a, c, g, or t

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accagtccag ctccatctca tcctgccctg gtcaaagaca ggctcattat tgactggctt 120

gtattccaga tatggaaaca gacacttaga ggcgagatna cagacctcca gaccactctt 180

ccatccctnc ttnnngaggn tggatnccct tcaggagggg gantnttcac cccatgtttt 240

acaatggaga gccagggctt cc 262

<210> 32
<211> 351
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ccccatcatt ggttcccccc ccagcaaaag gagaagccct tcgctgcagc cgattatcga 120

gggtgaaact gcttccttct tcaaggagat aaaggaacaa gaggagggtt cagaagatga 180

cagctccaca aagccagact ttgctgtcac tttgaaaaca gactgcagtg cacattgctt 240

tctggaccaa cttgaagatg atgctgatgg atttatttca ccaatggatg acaaaatncc 300

atcgaaatgc agccaggact caggcctttc aaacctccac tctgcttcaa t 351

<210> 33
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cttatctttt cagatgtggt cttaaagcag cttgcatcac tggcaggcag cagagctccg 120

agagccagtg gccatctctc cccagagctt ccactgaacc tctggtactt tcttttcatt 180

cattgagacc agtcagtgtt gaacaggata atcccactta actcagccac acgacttcca 240

aagcagccag gccactcact aagccagagt gaagcaggcc acnggggaag gnggncggcg 300

ccctgcagac caagagtcca gcacatcaac accgaactcc acacacgcca gagacctcca 360

gttttaatta cccaatgtta cctcnccctg caccccagca gccatccaga gtccagctaa 420

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ctgagtgtct ctcaaccctg tgcggaaact ggtattga 518

<210> 34
<211> 254
<212> DNA
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acttggtcct tgtaaatttt gttacgagca aaaatatctt cttaggttag gtgcaaagtg 120

acaccantgc tttgctcctt atggatattt tggctctggg tataacatag agcttaggaa 180

tgctattatg aatttttagt actgtatgca aaaaatggtg gggtttatat acagcatcac 240

ttcttgaaat acag 254

<210> 35
<211> 350
<212> DNA
<213> Mus musculus

<400> 35

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ggagcccaga ccagcaagtc cgagctgaat gctggccata gttttaggta tattttgttt 120

caaaacttgg gtgtgaattt ttgtattcat acttctcaat gagtatgttt atactaatct 180

ttagttgcta ttactagcat atgatatgtc tacttattat caatttactg tatagaaaat 240

acatttggta gtcatgggct ggctcagtgg gtaaagacac ttgccatgtg aacctaaaga 300

cctgagcttg atccccagag ctcacataac taaccccacc aaattgctgt 350

<210> 36
<211> 332
<212> DNA
<213> Mus musculus

<400> 36
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tcctccagct ggagtgatgg gatggccttc tgtgccctgg tgcacaattt cttccctgag 120

gcttttgact atgggcagct gagcccacaa aaccgacgcc agaactttga aatggccttc 180

tcatccgctg agatgctggt ggactgtgta cccttggtgg aggtggagga catgatgatc 240

atgggcaaaa agcccgaccc caagtgcgtc ttcacctatg tgcaatcgct gtacaaccac 300

ctgcggcgcc atgagctgcg tttgcgcggc aa 332

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gtcaatccaa gccaatatgc acttcagtac agccatgatg gaactgtttt gattgtaccc 120

aaagaactca tctcatcagg ccacaaaaag gaagccccaa agggaaagag agagagaaga 180

aactgaatag ctccagtgac cagcatcaca aactgtccaa ctattttaag attttnnnaa 240

gtactggtac ttgaatcatt cagttaattn tgatgtttag gaatcaagat tatgcttctg 300

tgaagttggg agaatccaca tgttcctgca caattcataa 340

<210> 38
<211> 454
<212> DNA
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accactacat gagtgttggg gcatanactn tnctcacgcn caaataatgg ncttaaanta 180

cttcagattt gnagnccaca tctgcctcta tnacacattc atcttcaaac aaaatgcgca 240

aanccattaa aaacaaaaca aaaagcaaaa accacttagg gcatggtggc ccatgtccat 300

aatccttggg cttggaaggc tgaggcaggg ctgaccataa ctccaaggnt atctcaccct 360

acccccaaca accatttaag aaaagtgttc ttagcatgaa aaccctacag aagcaggcca 420

gggcccttta attctccaac tacagtgctt aagg 454

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atgattgtca tcacgtccat tctgggctcc ctgcccttct tcctgctcgt gggtttcgct 180

ggagccatca tcctcagctt tgtggacatg ggcagttctg atggggaaan gacacacgac 240

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tntgntgaac cggggcccac ccctagacag agcagag 337

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<212> DNA
<213> Mus musculus

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ttcccgagcc ctgcccctca actgtcactc catcaccata ccagcagaag acaaagcaga 120

agtaatattg tccagagcca tgcctgaaga cctgatcacc agatgctgag gctgctgtct 180

atcctgctta tgagtcccat tgccttgtgc taccaatgct gtgac 225

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<211> 393
<212> DNA
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<400> 41
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gatttcgggg tgggggggcca cctatgagaa agggaagacc tcggacgtgt tgaatgctgc 120

catggtaccc ttgatcgagc cctccaaatg taatagtaaa tacatataca acaacctaat 180

cacaccagcc atgatctgtg ccggcttcct ccaggggtct gtcgactctt gccagggaga 240

cagtggaggg ccgctggtta ctttgaagaa tgggatctgg tggctgattg gggacacgag 300

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tacagattgg atctaccagc aaatgagggc gaa 393

<210> 42
<211> 143
<212> DNA
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tgtctctccc tctagtcatt cccagaccgt gagctcaggc ccccttcatc atctttgtat 120

gtcattagca gggttctttt aat 143

<210> 43
<211> 308
<212> DNA
<213> Mus musculus

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atcttgaaaa gactgcttcc attatcaagc gcatattggc agcacttgac cttataagca 120

gagcccacat atctatttca ggaattccca cagagggcag tccagaaaga agagccactt 180

cgtgctgaag actgggagtc caaaatccag ggtgcagaca gtgaggcatt cctgtcttca 240

tgactaatac agtgagggta tcacatgggc aaaacagaaa atagctaagt tccggcatgt 300

ggcacatg 308

<210> 44
<211> 433
<212> DNA
<213> Mus musculus

<400> 44
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cagtgggtct ggctacaccg tcacaaggct cagcgcatat caggtgacaa acctaacacc 120

aggaaccaaa tactacatat cctaccgagt acagaagggg acgtcgaccg agtccagtcc 180

agagactccc atgtccacgc ttcctcgaaa aaacatggag tctattgggt taggaatggc 240

ccggacagga gggatggtgg tcatcacagt gctgctgtct gtggccatgt tcctgttggt 300

cgtgggtctt attgttgccc tgcactggga tgcccgcaaa tgaaaagggc tctcctgcat 360

cccaggctcc tccaagaagt ccagcctgcc tcctgccagg ctgtagtcac tggcttctca 420

gtggcttttc ttc 433

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<211> 473
<212> DNA
<213> Mus musculus

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ggggatcaga aagagaagca gaaacttcat aagccagaac tgtacctgag aaagcagcag 120

taccaggagt cacctgaccc agagttgtcc ctgggaaaac agcagcacca ggagtgtcag 180

gaaccagaac tgcaattgga agagaagcag catcagaagc cacctgaacc agaactgcac 240

ctgggaaagc agcaggagtc acatgagcca gatatggcag aggatctgga agagaagcag 300

aaacttggtg agccagaatt acacctagga aagcagcagc agcaacagat agagcgtgaa 360

ggttatcaag gaccaaaaag cctgggtcag tcacttaagc aagagaaagc ttcaagggaa 420

cagcagctag attactcaca tctagaacag gagaaggagc tctcagacca gcc 473

<210> 46
<211> 517

<212> DNA
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agccaggtgc ctgtctctac ccctcgggcc tcccttgatg tttcatattg gtttgtatgg 180

ccacgtgcat taggctgagc cgcatcactt aagtccagct ggtgtactgt ggcgtttaaa 240

catggctcag ccnggntggt tgaatcnttn cnttnttttt tttttnaaat gcnaaggcca 300

aatcggaatt ttnttccctn ttctnnacct ntgagctagg canttgctaa ggaccnattg 360

aaggagtttt caaagcanca ctccacccca aangccgagg tagccatttc tcactgagtn 420

tgcatgagga ttggcatttt ggtacttttt ttttttttt ttnaaccnac ggggctcttt 480

gtgtttcaag ttgatggctg ctgtagagtg gcacata 517

<210> 47
<211> 347
<212> DNA
<213> Mus musculus

<400> 47
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catcctggaa ggccaatgaa gaacactaac cgtggatggt gctgcaggac cagctcagga 120

caaatcccaa acaaaggtcg atgctggccc agacccagat ccatggaagt cagaaagaga 180

atggagccag acccagtctg gggcctaggg ttgatctgga gcccagtctc ggattctaag 240

aacctatgct agcagaccca aggtggcatt tgggtcagct gcagacctgg gcttagaaac 300

ctatttatcc ctgacttagg acaagtcagg aattgcccag gacccta 347

<210> 48
<211> 574
<212> DNA
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tcacttagaa aaggtcaaac atttcccagt ttaacgcacc ctgaaaaata aagttgtcat 120

cagcccttc cgccccgccc cccgcccccc cctccccaag cctcctgctg tagctcaacc 180

canatccccn ggagatagaa tgtccagcnc cctccnaccc aatccagaga nnccgccttg 240

tcccatcctg cggtgtctca ttctggaagc ggttgagcca agctgactca ggagacacat 300

tgccttccaa ctctgcactt tcaagctctg cgtttctctc cccgctccaa ctgctgggtt 360

tcctggctct aatccttgcc tgagttacag caaggaggac atttatcatg tttcttccat 420

cctgaaacca agttccccgg cttgtggatg actctggctg ccttgggggg gtgagaggta 480

caggaagggg ggtgtctcct ctcctctaaa atccttagga aactaaactt actcctctgt 540

gcaggagtct ggcagctcca gacatttgca tgag 574

<210> 49
<211> 147
<212> DNA
<213> Mus musculus

<400> 49
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ctctctgagg aggaagggga ggccatagat gcaccttggc ctgaagctcc tgcctcgctg 120

ctgcacatgc ttggacagcc tcaacct 147

<210> 50
<211> 509
<212> DNA
<213> Mus musculus

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agaagatggc actgcccaga gcccatgtag caggcatgct gccaaaggct ntatgatgca 180

gaaaagatgt ctcccaggga ccacatttgg accccagcct cactgtcccc agggccagga 240

ttcaggtctc tgaggagccc ttgggcnaaa gttgctgggc cnagtggcac tctatgggac 300

agtggtagan ggcnggaggg gatgaaagtc caaagncnaa agtaggagnn cagangatan 360

tacaaaccct ccacctgata tgcctgggca gcaggcatgg ttggacagtg cctgagagag 420

ggtaggctcc agatgggagt agaaagacag acagacagca gctggacctg aagggttgat 480

gccaaagcag acattttctt cacatcacc 509

<210> 51
<211> 425
<212> DNA
<213> Mus musculus

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cctgggactg ctgctgcctt ccctgctgct gttggctggc atggtctgag ggggacaccc 120

aaaggcctgg gagaagaggt cagctgatca actgctgtgt cctatcctat cgctcaaaca 180

agataccacc gcctggccaa agcccgtctg gaagggaaag gctgtgtggt ccagcccatc 240

agtaactgca caccagggcc ctcccttgcc ctttacagtg gagttctaca gaggacatga 300

ttctggggat acttgtctgc ttcccagggg atggaggggt ggggtggggg aggggctgtc 360

tgcctgcagg ctctagggct ccccatctct gagtgcccat gtagcttgga cagcagaccc 420

tgagg 425

<210> 52
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<212> DNA
<213> Mus musculus

<400> 52
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attgtgcatc tggcattctg caccacatac agtgttagac acggcctcgg g 111

<210> 53
<211> 172
<212> DNA
<213> Mus musculus

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atgtgggatc tattactgct ggggagatgt catgctctca aactatcctc ggagtcactc 120

tcccaattac catagtgggc tctttgagac ccactgtaca ctcgatcaaa gg 172

<210> 54
<211> 347
<212> DNA
<213> Mus musculus

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aaagctaagt catgtttaat gggacagggt aaggacagga gagaaaagct gttaggcttt 120

ccctgtgcta aacctatctc ctgggagcag gcacttcctc ctagctagcc accatcacag 180

cctcaccagc agcagcctca agactcagta acatttccaa cttaggaaaa gctacacaga 240

cgcatagagg atatgacatt gttcatctgc atgatcctga cagagccttg gtattttcac 300

agtgtaagca aattgcatat ctttgctgtc tcataaacca tcgctga 347

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tttactcagc nccgacgtgg atgggcaaac tgctcagctc atccgatttc acttttcac 120

tctcccagcc atcagttaca agccataagc atgagccccc tatttccagg gacatcccat 180

tcccatagtg atggatcagc aagacctctg ccagcacaca cggagtcttt ggcttcgnga 240

cagccntcac tccntggggg ttgctncaac tccttccccn gtgtacacnt ctgcactcna 300

acaacggagc cacanctgca ctccccccctc ccccaaanca gtgtgggtat ttattgatct 360

tgttatctga ctcactgaca gactccggga cccacgtttt agatgcattg agactcgaca 420

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actcttatta gccagtgaaa cacttgcttg ccaactggag ccagttcgct tcgttaagag 180

gagacacctc gctttgcagt tgcagttggc cattattgta aagtcagtat ctcagaatga 240

gatttctcaa agctttcttt aaatcttnct ncanatantn tacnnntnaa nnnnnnnnnn 300

nnnnnnaata ccnttaaata ttacagaaag gtataaataa taatataaag gtccctctat 360

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caatattcat ttcccctcag ctacaatgaa ttgcaagcaa aagatgttga aaaaaagcac 180

taatttagtt taaaatgtca ctttttggtt tttattctac aaaaaccatg aagttctctc 240

tctctctctc tctctctctn nnnnnnnnnn nnnnnnnnnn ntatttgtta aatcagatta 300

tnttcttttt ttnttttttnt ttttnagtga ttcatgttta tgagcagagt ggagtttnac 360

aatcctagct ttannnnnaa acctatttaa tgtaagatat tntacgcatc cttcagatat 420

tttgtatatc ccctatgncc tttattctgt acttttaatg tacatatttc tntcttgtgt 480

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atgactgtgg agagacggaa tatagaatga aaccaatgtc ttcataggcc atctacncta 120

gccatttact ttcnacctct acatntgacc tcaaattcct gtgacaatta ggcaaagctc 180

ctggaatgtg agcagacctc ttgcctccnc caatgcaaag tctaagactg ctacagcatc 240

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aattgcatcc catttccagt cattccactc ttaaaaccaa aaaggagggg aacaccagct 120

cactgcagca gttctccctt ctttccttcc ttntgttacg ctttagggca cagaatgctc 180

tttagtcttt taacaaccnc agaccttaag cctngtagcc gaagttattg tatcaactgg 240

atactgttcc atatcgcttt tagacgtctt tgttttgaca cacnaacatt tatgccnaat 300

tgcagattat tctgcagaaa tggaattgca tgtttgtgtt gtatatttag natgaacttt 360

ttttttttt ttttnnncaa aacatgtttn ttagttatca aagcagttgg aaatgtttgc 420

aagactatga acatagaatt gctgctttta tattttaact gcagattgtg aatttcactg 480

ccttatatta tt 492

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<211> 479
<212> DNA
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ggggagactg tgtgaaagag aaacaaccta gtccctcctc atcttttgga gccatgatgc 120

tcacttagga attacaggaa aagaatggct tggcttggcc aggtcatgtg atctgcctaa 180

cgtgtttcat tccttcaaac acagactgag aaaaaaggga gtttcatcat ttaaatacca 240

tcaatgggaa cggtctcatt ttgcctaaga tgggagctaa tctagttggg tagtattgca 300

ttgtagtaac cttttgagtt gtgcttggtt actaaaagag tggcagatac atcagcctat 360

gggattacac taccaaaagc catagtgcca cagacctcaa tcgctcactg gcaaactgaa 420

ttaccctgga ccttccttct acttcaagtg atatgtgttc caaactgata tgtgtccca 479

<210> 61
<211> 100
<212> DNA
<213> Mus musculus

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gttctgctgt gacttctgtc tgcagtgttc ctcacacttt 100

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<223> n is a, c, g, or t

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gttctgctgt gacttctgtc tgcagtgttc ctcacacttt nggatgcttt tantctccag 120

tacaaccctn gattttcaga tttcctctcn tgccctgtgg agtgatgtnc attgagtgta 180

tggaaacttn gggggtntcg nccgtgcccg atntacatca gctcantctt tgccctnaga 240

ggtttcaacc ggaaacactt cccnaaccnc gggatccatn ccagctattc aaacaagtga 300

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<212> DNA
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<223> n is a, c, g, or t

<400> 63
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tttctttcca tgttttgatg gtagccatgg gttactggat gggtcataaa tgttccttag 120

ttcctcctga gatcagaact tttccctata ggttcaaact aggaagcatg cactaactag 180

cttatatcca agtggatagt ttggtggtaa ctgccatccc agcccggaag actgttgtca 240

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gggatggcna ggttgcttgt aacttctggt acatgttgaa tgcacacacg catggaggca 120

agctctaaat cactgcactg ttactgtaaa gcatacttta naaatattta tngtttngaa 180

aagcatttc tagtcttccc tctctnggtg gagctgtaaa caagatggca tgttgtgaag 240

gttcaag 247

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ttttttntca ttcggtagta gtcagacctg attacaaagt agagaatcgc ttcacatttc 120

acacgcctat atttatctga gtgctgtctg aaactgttgt gctagccaca gtagtgctag 180

gagatccttt gcagacttaa atctgtgagt ggtgttaagt gcactgttat tgccatgtga 240

gggggcatca actctgatcc caccaccatg ttcagaccgt ttttatacat ttcagtggcc 300

ttttttaag ganaaaaact aagcaaaatg aagtccataa tgaaagtggc ttttatttgg 360

acaaataact tttatanttt tcatcaaacc atgcaaaaaa tatatatata ttacntcttc 420

ctggcacata actgtctcct taaccattga acagttcagc cattcgaata aat 473

<210> 66
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggattttcta gaaaggtntc aaaatgagga ggaagcttgc ttgattatgt cacagaagtc 120

aatacatgag tctgtataaa tcctcccagg aagaatacca gcgcatgatc tgatcttgct 180

cacagtaggt ggataaagga gaagagaagg ggctggagtg tttaaaggga cagttgtggg 240

ccccatgaga cagagaggtg gattgtcaca actggctttc tttncctggg agggaaagag 300

acctggcanc tccnncnagg cacntggacg agggcagagt cctcagccag gctcgggatg 360

tgtttgcttc tgtttntctc ccttgggaac tgcaggttcc ttaccaca 408

<210> 67
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<223> n is a, c, g, or t

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cattcaatag cactccaatt atagcagaga tcattttatc taatgaatgt tctgtgtcga 180

tagagatttc attacaaaac ggccttttat cctgatgtct ttatgtatat taagcagggg 240

ttcgttataa ctttgtnaac tgggagatta ttatcnacag tagcattata atnnactcca 300

ncnttccnng nnnntnntnn nnnnatctca gtacttnaac attattcaag aatattcact 360

aaataagacc ntnggctaga ttatttacaa caagataatt gacctttgt ttaaacatct 420

gttagctcag agacttntac taattcacac aagctttacc atttcctagg gtaaacctcc 480

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<212> DNA
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tacagagaag cagcagcaga accatgaagt gcagtgaagc caaaactaaa gcaaccacac 120

cagtgtccca gagnctntcc anccatccca cataagggaa gaganccatc cacanttcct 180

tnaggtcctn agctggccta ctnacccata aatcnatctg nccctgacca tcctcttgtn 240

tatgacaggc nggatacagg atgctatatg gtccggtntn ttccccnaga agctcaatcc 300

caaccttaaa tatcacaact tcttcctgag gcaggggtg ggggaaaaag ggagncctgt 360

cagtagttag caantctgat gtcactccta atgttgtggc ag 402

<210> 69
<211> 308
<212> DNA
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<400> 69
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ccatcctctg ctggactttt tgggttctcc tgggcaccat gttctactgg agcagaattg 120

aatattaagc acagacagtg tctccaccat acctccctcc ctccctgggt gactctgaat 180

ttggtgctgg aacctgctgt ttcgtgacac gccctctgtg tgctctgccc cgtgactcgt 240

gcttgtttct ctcaaatgcc agttccggtg gaatgggctt cctttaggct ttcaagatgc 300

tgcaatcc 308

<210> 70
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<212> DNA
<213> Mus musculus

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tgaagacctg cagtccctat caggatgtca gttagggaca gaagctgggg cggccattca 120

cacagttnca aagcttccga ggactagagt gtgggcagaa ggtaggaagg acaattagct 180

tattgatagt cgtaaaatat gtgagtgttt tacataaact ataatgagaa tactgagttt 240

acaaaaactt tagcccggca tcagctgagt atctttccta cnataccctt tngatngntt 300

ntccaggtaa aggaggnagc atttttgtgc ccattttatg gattgtngat ggggttccga 360

ggcacaaagg ctggagacct tnccctaggt tntacactgt gagctagcat tctgttaaca 420

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ggagagggaa ggtggtttgc tacttaatgg aacacctga 519

<210> 71
<211> 402
<212> DNA
<213> Mus musculus

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<222> (56)..(56)
<223> n is a, c, g, or t

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<222> (153)..(153)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cgctggagtt gcaaatccta tgttcggagg gaattctcag gcctccaaga tctttgtgag 120

gagtggagcg agtaacagtt acctccacgg cancttgcag gcaggaggga ttgttcnttt 180

ccaagaagat ctgcaccggc tgtacccaaa tagaacgtca ttttgatatg aaggatttca 240

gcccctgaag attttgatac ccacagagtt gctggaaaca gctctcctgg ataccaaggg 300

atgctcatct catatttgaa tcatcccgac cctcactgag cagacagctc ccagagtaac 360

nctgactcag agagaaggaa ttcgagtcac ccgggatatt ta 402

<210> 72
<211> 498
<212> DNA
<213> Mus musculus

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<222> (366)..(366)

<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 72
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ccagtccttc attcgcagaa accaagatct catttgcagc ttcttcacct ggttctcgga 120

ccacagcctt ccagaatctg acagaatcgc tgagattatc aaagaggatc tgtggccaaa 180

cccactgcaa tactacctgt gtcgtgaagg aatccgtaga ccccgacgtc gcccaataag 240

ggagccagtg gagattccca ggccttttgg cttccagtca ggttaatctt tgcatttgaa 300

aatgcggccg gaactggtcc cttctcacct gtgcttgagc aaatgcaacg ggtatgcagt 360

gttttngatn ttctttcctc cntgactttt ctgcatcttc tatctggata gtctccacct 420

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atctgctggt tcacggcc 498

<210> 73
<211> 464
<212> DNA
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<400> 73
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aactccagct aaagtctctg gtgttcttat ctccatcctt tctcccattt tacttaaccc 180

tcatcctcag aaagatgcct cttgctatta aaagtcggat ttatgtttta ggattcttgg 240

tctctatagg gagacgacag agaattgagc catttgctct cttgttgagc aatttgcatg 300

agtccaccag aggcctaata tgtgtggcca taacttttgt cttccccagc cntttgaggc 360

agtgtgtgtg gatgtgtgtg gatatttatg tgtgtaccct gcactcatga atgtatgaac 420

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<210> 74
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<212> DNA
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<223> n is a, c, g, or t

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tgtcngaagt cntgcattct ttcccttcca tcactgtatt gattnttttt tnnnannann 180

cnnccaccac ccctcanact cccacntcac ntcntntntg cagaatgttc acagcaaaac 240

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tgggagccca ctgggagtcc acaagtgctg catatat 337

<210> 75
<211> 247
<212> DNA
<213> Mus musculus

<400> 75
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gcctgaacag ctcaagtact gaattgaccg gctaactcgg ctgtgggcct ctgccagcgt 120

cacactggct ggactcggcc tgagaaggtg agccttgttc tgaagaccag tgcttgcttg 180

ctctcacctc attaccccag ttccgggagt tacattggat ccactaacca gcttcacttt 240

ctgtctg 247

<210> 76
<211> 486
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (209)..(209)
<223> n is a, c, g, or t

<400> 76
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agaaggtgag cccttgttct gaagaccagt gcttgcttgc tctcacctca ttacccccag 120

tttccgggga gtttacattg ggaatcccac ctaaccaggc ttccactttc tgntctgggt 180

tataaaggng taaatgtaaa tttatggtng aaaaaatttt aacattattt taaattgcca 240

aatatgttct ttctcgacta tttatttttg tttctgttct actgctttaa ttgcatttca 300

gaggagtgaa tttaggtggc tcatcccact tatgtttgct gctccacaca aagatttaaa 360

tgatgagaaa ttattggctg gacacaaatt gcagaaaagt cattagaaac aatcatttaa 420

aactttgttt gctttcttca catattcttt ctcaaaccat tgcttggagt gtgctatgaa 480

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<210> 77
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 77
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cgtccgacct ggtggcgggt tcgagcccaa ttttacattg tttgagaagt gcgaagtgaa 120

tggtgagaag gctcacccgc tctttacctt cctgcggaat gccttgccaa cacccagtga 180

cgaccccact gcgctcatga ccgaccccaa gtacatcatt tnnnnnnnnn nnngnngnnn 240

ccgcaacnga cattgcctgg aactttgaga agttcctggt gggccccgac ggtgttcccg 300

tgcgcaggta cagccgccgc tttcgtacca tcgacatcga acctgacata gaaaccctgc 360

tgtcccagca gtctggcaac tcctaaggcg gccctggcat tggcttggtg attactggct 420

gcactctggg gggcggttct tccatgatgg tgtttcctct aaatttgcac ggagaaacac 480

ctgatttcca ggaaaatccc ctcagatggg cgctgg 516

<210> 78
<211> 500
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 78
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gctgtttcca gtaataaatt aatcaggctg cagatagaca aaaggcttcc cagccatgga 120

aaggagccag cccaggccat gtttgctgtg actcagacaa atcattatat gttctggttg 180

gccttgaact tatcaccctg gacacacttg ccttgttttg actttgtggc tgtgtgcttc 240

agcctctgtc actaacaaag gctcctcccg aggcaacctt ntcctgtgtt gatcccccac 300

ttcagcctgg gntccaggaa ggacattgac cctgtgncca tcgngccagg taccttnacc 360

tacctcaccc cttttgctga tgtgccntng gactgtgact ttattagtat aagccgatga 420

gttgttgaga agtgttatac cccatggctg ttaggggttt gtgtgtgctc cctcccccgg 480

gctttagtgt gatcccaact 500

<210> 79
<211> 481
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
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<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<400> 79
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aacaacagtt ctcagtgcaa actgtcctag gaaaatttaa agnatgnaca ggcaggggag 120

aagatgcata tcaaaagctt ggctttaaag tctaagggag ttttagatca aaaactagct 180

atcacttcct gagtgtctca tgtagccact caggctccca ggagtttcct gaggtaggtt 240

agtagggtca cgtgaatgcc tcactatgac atgacttgag tccagtgaga tctcattagg 300

attaatattt cagggatcct taatattttg atttgttttc cgagattgga ttttatttta 360

tctgctattt cagttcatct aaatcttgtg ttctgtacat gtgatgtttg actgtaccat 420

cgactgttat ggaagttcag cgttgtatgt ctctnctaca ctgtggtgca cttaacttgt 480

g 481

<210> 80
<211> 396
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgaggaagct gcagttctgg tacaaactga tgagagtgta tagacttaag tctggcattc 120

taagggctta ccgtataact ttaggaacct ggaacagtcc actgaacggc tagaatgaat 180

tgcagtatat atgtatgatt gattgctttt taagtgacta tttttcctct tgtcaaatca 240

tgtaaattct gaaatctttt gcactgatgt gtcaaacctt attcttgtat attcaatcaa 300

ggcnannttt nataatttcc catttgtttt cnatgaccct ganaatgttn aatagcatgg 360

tgatattcta tgcaactcta gttacacctt ttggtt 396

<210> 81
<211> 340
<212> DNA
<213> Mus musculus

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<222> (262)..(262)
<223> n is a, c, g, or t

<400> 81
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ttaaaagtca actagctcta aagctagtta gtgacaaagt tggataccaa aaatagccaa 120

cactatgaca taaaaacttt gtgttcaaaa tgtacaattc actttataca ttattaatag 180

tagataaatt tgtgtaaaat gtatcgctgc tgtccagcat gcttttcttc tttttatcca 240

aacatgaggc caggaggata anttaacttg aggaatagac aacttacatt cactacatat 300

ttaatcatgc ttaaaatgtt tgtatttact gccatgcaat 340

<210> 82
<211> 516
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 82

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agaattttga atatggtgag aaattgggaa aaatggacat tgataggcat atcatcttgc 120

tttgtgtaca tatggtatta aaactgaaaa caaatattct tgnacatttg ggtttcaaaa 180

ttgtgttagc acttatttta gaaacattaa ttaagtgtat ggctgccttt gaaatacttg 240

atgtgttgtt gttgccttac agaggactac aagtataaag caaatagctg ttttaaaatt 300

atgtaaataa gtcacaggct agttatttga aaactctaag tcactttaat tttntcagaa 360

tcttctctta ctaggtaggc ccaggatgtt ccatagttag tggaaaacag tacaggaggt 420

ggagggaagc taagcaatag acagganccg tcacaggaag tcactggcaa tacgggttta 480

aagcaggtac ttagatcacg gttttctctg taagaa 516

<210> 83
<211> 198
<212> DNA
<213> Mus musculus

<400> 83
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gctgaagagc tttgtctgaa gcctgaatga acttttctgc tcctcccgtt tgaattaact 120

ttgcaaagta gtagccagcg gggggatttg accagggtgg ttttgtgttt tggagacagg 180

agagtaacaa gtggagat 198

<210> 84
<211> 214
<212> DNA
<213> Mus musculus

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<222> (141)..(141)
<223> n is a, c, g, or t

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gactactagg tagcacttgg gcagtttaga tcagaggcgc atcgaatggc agagtcacag 120

gcgggtccga gggaaggcat ntgagcgcca cagtagcaca aggccctttg atgtctagcc 180

cagtgccatc ctgtctgccg tcagtagaaa ccaa 214

<210> 85
<211> 446

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<400> 85
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agaaaatggc tttgaatcat ggtgaagagc aggtaaggct ctggaggaga agctacaacg 120

tgaccccacc tcctatagag gagtctcatc cctacttcca cgagatctac agtgaccgga 180

ggtnacaaag tgtgcgatgt gcccttggat caactgccac gttcagaaag cttgaaggat 240

gttctggaga gacttcttcc ctactggaag gaaaggattg ctccggaaat cttaaagggc 300

aaaagcattc tgatatctgc tcacgggaat agcagtagag ctctcctgaa acatctggaa 360

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gagttggatg agaacctgcg tgccgt 446

<210> 86
<211> 319
<212> DNA
<213> Mus musculus

<400> 86
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atgatgtact actccaaagc tcaagactcc tttgctgtca gatgtgtggt gtatatgcag 120

ttggacagga tttaggtttt ggtttttggt tttgttttat tttgatattt ttctcagtgt 180

ctaattgaaa gcatgcttgc tttctcatca cagctttgac agctgtcaga aaagcctctt 240

tgtggcttat gctaagatta ggattggttt ttcttctaaa actgttggct tcctccgttc 300

cctctcagct taagcatga 319

<210> 87
<211> 436
<212> DNA
<213> Mus musculus

<400> 87
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acagaaacgc aagagaaaaa tcctctgcct tcaaaagaaa caattgaaca agagaagcaa 120

gctggcgaat cgtaatgagg cgagcgccgc caatatgcac tgtacattcc acgagcattg 180

ccttcttatt ttacttcttt tagctgttta actttgtaag atgcaaagag gttggatcaa 240

gtttaaatga ctgtgctgcc cctttcacat caaagaatca gaactactga gcaggaaggc 300

ctcccctgcc tctcccaccc atctgatggt ctggctagca gagagggaaa agaacttgca 360

tgttggtgaa ggaaaaagct gggtgggaga tgatgaaata gagaggaaaa ttcaagatgg 420

tcaaagatgt cctgca 436

<210> 88
<211> 399
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 88
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ttcctctctt tatatgtgat ctgatataag tgaaagtata atattttgcc catcttttac 120

caatatttag taaaatgcta cttgtttcaa cttactgaaa aaatttaaac acttttgttt 180

gcatttattt gaaaccattt ggaatattgt aagacaactc actctgtaga ccaggctggt 240

cttgaactca gaaatccncc tnccttttgcc tcccaagtgc tgggatcaaa ggcgtgcncc 300

accactgccn ngnctaacag tagtctttat aatactgaga ctgaatattc gtaacagttt 360

tcgatattac tccaaattct tagaaacggc ttggataat 399

<210> 89
<211> 305
<212> DNA
<213> Mus musculus

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<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 89
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tcgcaggaga cattcgggac agcaatggct gtgtaagact ccaacaaagc caatggttgt 120

taagccctta ccaaggcaaa anagggatgt taccagcgga cgctggacgg ctcaccaccc 180

acagatgaga acgtaggcac ccacataggg tattaggaac tgttcatcag ccagaaactg 240

agcntccant gcaagtgcac tcagcttgga aactcgtcta aactaggcta ttttgtgttc 300

aaact 305

<210> 90
<211> 542
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (414)..(414)
<223> n is a, c, g, or t

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<222> (452)..(452)
<223> n is a, c, g, or t

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<222> (470)..(470)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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tgatccccag agtcccctgt gtgttcatat aatgatgtcg ggaactgtga ccaaggtgaa 180

caagacagaa gaggactatg caagggattc gctgtttgtt cgacaccctg agatgaagca 240

ctggccttcc agccataact ggttctttgc taaattaaaa ataagccgta tctgggtctt 300

ggactacttt ggtggaccta aagtagtgac acctgaagaa tattttaacg tcacgctgca 360

gntgaagcag gatatggtgg actgagtcac accagagaag ntntnttcgg aggntcatgc 420

acacttgaag ggttggccct gcttgggacg tnctccagct gtcagcttan tnctgccacc 480

tcttgtttta atnttgtttg cttgtgttaa cagagagttg tccgtcagaa gatgtggttg 540

ct 542

<210> 91
<211> 429
<212> DNA
<213> Mus musculus

<400> 91
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ctagagggtt ggctcagcac ttaagaagat tgctctagca gggacccaag ttcaggacct 120

ggcgctggag tcagacaggc acactggcca tcactccagt tccaggaaat catatacctc 180

tagtctccaa ggtcacctgc actcaagtgc acgtacccac gcagacacac accgacacat 240

aattgtaaac catgcatctt ttcttcagaa gaggtactac ttagttttac tacgtgtatt 300

catgctcttg gatgacgtaa gagtcctttt aattgagtgt gcgtatcaga cttcttaaac 360

agcaaaagag ttgaacatga gccatcatgt tggagaaaga gatagaaatc cagcaagtga 420

cttctcagt 429

<210> 92
<211> 483
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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acaaggcatt ttattatgtc tgttgatctc tagcaaatcc aggtgatggt aattgagtgt 120

agaaaggaga attagccaac acaggctatg gctgctattt aaaacaagct gatagtgttt 180

tgttaagcag tacatcttgt gcatgcaaaa atgaatttga ccctctcacc cctcccttca 240

gctaatggaa actgacacag cgacaactca ttccttcacc atcagccttt ataaactgtt 300

tcttgtgagc tttcagcagc ccttgctgtg ccntctttaa attatgatgt gcacacacct 360

tcctttcaat gcaatgcatc agaagttttt gatatgtgta actttttttt gattgtgatt 420

aagaatcatg gatttatttt ttgtaactct ttggctattg ttcttgtgta ccctgacagc 480

atc 483

<210> 93
<211> 486
<212> DNA
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<220>

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<222> (262)..(262)
<223> n is a, c, g, or t

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ttgggcacag gtttgatgta gagataagga cggggtgcgg aatggagacc cattttgtca 180

ttgattcatc tgaccgataa ggccatagtg cagttaggtg atattcgaaa gcttctttga 240

tgctctttat gtatatgttg gnaaggaact accaggcgtt gctttaaatt cccaatgtgt 300

tgtttcgtta ctactaattt aataccgtaa gctctaggta aagttccatg ttgttgaact 360

ctgactgttc tctttggaat tgaacgtttt gcatcctcct cctgtggctt taggtctgac 420

attgtatttg acctttacta gtaattaaca tgtgccaggc aatggtggat tggaacccat 480

ccccaa 486

<210> 94
<211> 526
<212> DNA
<213> Mus musculus

<220>
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<222> (289)..(289)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

<400> 94
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ccgtcatcgc ctcccctgtt gatgtggtca agacgagata catgaactct gccttgggcc 120

agtaccacag cgcaggtcac tgtgccctta ccatgctccg gaaggaggga ccccgcgcct 180

tctacaaggg gttcatgcct tcctttctcc gcttgggatc ctggaacgta gtgatgtttg 240

tcacctatga gcagctcaaa agagccctaa tggctgccta ccaatctcng ggaggcacct 300

ttctgagcct ctccatgctg acctggaccc tgcttcccag ccctgccctg tctttttctt 360

catcctctgc ccagtcccat tctcttccca tttcctgcac cccganttta cttncccacc 420

tcacctccct gtgcctctgt actgatgact cacagtgagg aggcctgaca ccagaccct 480

gagnccctca gccctttcta cagctaagcc cacatcttca tcttca 526

<210> 95
<211> 148
<212> DNA
<213> Mus musculus

<400> 95
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tacaagtaat gtaaattatg atctgtaatg tccgagggcg ggatgaaaca gactgttaga 120

ctttggatga aatgcattgt tcattcct 148

<210> 96
<211> 307
<212> DNA
<213> Mus musculus

<220>
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<222> (179)..(179)
<223> n is a, c, g, or t

<400> 96
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agtgaggtct tcaacaacaa gttccacatc attggagcag tgggtatcgg catcgccgtg 120

gtgatgatct tcggcatgat cttcagcatg atcctgtgct gcgccatccg caggagccng 180

agaaatggtc tagagtctgc ccaaccccga gcaggaacaa cggccctgaa gactgtccgg 240

gccatttggg ttttttttgc cactaatatt agtattcatt atgcatttct aaataacagt 300

cattctg 307

<210> 97
<211> 173
<212> DNA
<213> Mus musculus

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<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<400> 97
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cacagttaag ttggactcgg gactgagacg attgcttctc gtactttcgg tttgtttgcc 120

acagcgatgg agttgtgggt tgaactgcgt cacaaccttt tgtcagccat ttt 173

<210> 98
<211> 547
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<400> 98
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tgctgaacag aggcttttca ggaagtgcac cacacacaca cacacacaca cacacacaca 120

cagagcttac ccatgaagga aaaattagag ttacttttct cattttgtgc attgatatat 180

ttttacaatc ctgcaaactt ccttgagtca ctcacgactc cccctgaggt cacttcctgg 240

tagtgtccca atgctctgtg tgcagttact tcaggttgaa gttgccttga tcgcctgccc 300

ctcatcaggg cttttgcttt tcttcaaagt actgaggatc caacccagtg ccttacacgc 360

caggcaagtg tgaccactga gctaggctcc cgcccccttt acttttgaa gccatacaat 420

ggatgtctat atgttgcctt tttgaagatt aggtggtttt gctctttaac atttttgtga 480

ctttggttta ttttcttccc atntcgccca gagattactt gtgtgtgtgc cattctgctc 540

aaaacta 547

<210> 99
<211> 392
<212> DNA
<213> Mus musculus

<400> 99

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cagaagacac aaaactgtta gtgacacaac ggtgacaggt agctgggacc taggctatct 120

tattatgaag gttgttttgc ttgttgtata tttgtgtatg tagtgtaacg aatttgtacc 180

atagaggact gtccgtaact actgtttagc ttctacacat tgaaatgtag atgtttcatt 240

ggctgtctga aaaggtgtgg cttgtccttc ctagagagat ctacttaaaa actgctttgt 300

ggcaaaaacc acacctgaag aaattttaag aatttggccc agttagtcac tctgtgtaat 360

cccggaatct agctgctgaa gtcttgcgaa gt 392

<210> 100
<211> 451
<212> DNA
<213> Mus musculus

<220>
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<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
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<222> (329)..(329)
<223> n is a, c, g, or t

<220>
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<222> (353)..(353)
<223> n is a, c, g, or t

<220>
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<222> (377)..(377)
<223> n is a, c, g, or t

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tttgagggag ttgggggacc tctatttgag ccctgcttca gtgccgagag attgggagtg 120

gaactccctg aaacatgatt tcagttttta gagatgacct tctgtggtac ggtcatcatg 180

gtctccaaca tcaccagacc aagtagaagg atgtcaaaga caaattcagg gctctttcta 240

gggtgaccac tctgccgtgt ataatattng tcccagtctg gccagctttc taggaggccc 300

tggctccatc ctaagtncta cacaggatnt gctgcaaata acagtgtacg gantcaacct 360

gacccggaac agaagtntgc atgctggtta agatgcagcc tagccattgc ctgagctgtt 420

catacaatga tccggaagtg ctagccatta t 451

<210> 101
<211> 367
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<400> 101
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gggagatgac ctgcaccctt ttctgcacaa gctgtagcag aatcttagca tgagaaaata 120

agatatcgct cataggaaaa gggaggctgg aagaccacat ttttgttcag tagcctggaa 180

aatctattag tcttattgaa atcttatttt atcaaggtaa aaagttttag cttataagag 240

ccttgttctg acttttcatg tatttgccat ctgtcattca ttataatcct aaacgagaaa 300

acctctactc tctctacttg ttaaataaaa gccacagggn caaagggtgt gctttagttg 360

tacaaca 367

<210> 102
<211> 165
<212> DNA
<213> Mus musculus

<400> 102
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gctgtgctgt gcagctaatc agattcttgt tttttcccac ttggattatg ttgatgctta 120

atacgcagtg atttcacata ggatgatttg tacttgctta cattt 165

<210> 103
<211> 512
<212> DNA
<213> Mus musculus

<400> 103
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catttaaatg actacattta aaatgattac aagaaaggtg ttctagccag aaacatgact 120

tgattagaca agataaaaat cttggcgaga atagtgtatt ctcctattac ctcatggtct 180

ggtatatata caatacaaca cacataccac acacacacac acatgcaata cacacactac 240

acacacatac acacactcac acacactcat acacacacat gaagagatga taaagatggc 300

ccactcagaa ttttttttt tatttttcta aggtccttat aagcaaaacc atacttgcat 360

catgtcttcc aaaagtaact ttagcactgt tgaaacttaa tgtttattcc tgtgctgtgc 420

ggtgctgtgc tgtgctgtgc tgtgcagcta atcagattct tgtttttcc cacttggatt 480

atgttgatgc ttaatacgca gtgatttcac at 512

<210> 104
<211> 430
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<400> 104
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tccaacccca gctaagctga atcttggggg gnanccaagc tttgacccat tggagtagga 120

gacagtggct tgctcaaaat atggataaac atctattttt tttttnacaa aaagataata 180

tttttaaaaa aagttgaaag aactagaact tgtgagagaa acagaaaatc cgagtgagca 240

ggcagcagga ggcttgcagt gggagattct cgggggattt gaaagcacat gcctgccctc 300

ctggcacatc accacagaac gcttgtttcc acgttctaga aatgagggca gggatgtacc 360

taccttgtag ggagctggga ggattgaccc acaaggtcta agaaaagcgt ttgccatgtt 420

ttgggcacac 430

<210> 105
<211> 388
<212> DNA

<213> Mus musculus

<400> 105
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gaattcatca gtgttactgt cactcataaa aaaacatgtg gcttaatcca acagattcat 120

tcaccttcta atatgtgacc ccagttctta tccaagaata gaaggataga tataagcgca 180

agctctctgt aactccgtca tgaccaggtg ctttccattg tagctactta tctaacatac 240

tcatttggtg aggaggacta gttgtgactt aagctctgtc cctcagtgac tccttgaagt 300

actcaccaca cataatgact gcagagtcag ctgctctgtt ccccaggtgt tgtgaaatat 360

tttctagaat gtcatgcctg cttgtcaa 388

<210> 106
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 106
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gcgaaccttg gctggcaacc ccaaagctac cccacctcag attgtcaacg ggaaccacta 120

ctgtggggac tatgaactct tcgtggaggc cgtggagcag gacacactgc aggagttcct 180

gaagctggcc tgagtcagga tggccaccga tcctatccag ctagctcttc accaggcctt 240

gtaaccaact ccttgtcgtc ctaatctgca aacccagacc cagacccttt ccgcagccgc 300

ctcctcttcc tccagaggca acattcctta ttcaccaact agtctcaaaa gattgtctta 360

agccctgacg atggctgtcc ccagccacac cttggggcat cctntntgcc tggccctgtc 420

tgatgagcat ttctgttgct tccatcagcc agagctct 458

<210> 107
<211> 257
<212> DNA
<213> Mus musculus

<400> 107
gaaaccagct ataatggctt tcctgttata atgtcaaaag aatctcagag attagtggga 60

tttgccctca gaagagacct gactattgca atagaaagtg ccagaaaaaa acaagaaggg 120

attgttggca gttctcgggt gtgttttgca cagcatactc catctcttcc agcagaaagt 180

ccacggccat taaaactgag aagcatcctt gacatgagcc cttttacagt gacagaccac 240

accccaatgg agattgt 257

<210> 108
<211> 283
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<400> 108
ggcccaggtt tcgacagact cttcaaaatg ccatcccaaa tggagcacgc catggaaacc 60

atgatgctta cgtttcacag gtttgcaggc gacaaagacc acttgacaaa ggaggacctg 120

agagtgctca tggaacggga gttccctggg tttttggaaa atcaaaagga ncctctggct 180

gtggacaaaa taatgaagga cctggaccag tgccgagatg gcaaagtggg cttccagagc 240

tttctatcac tagtggcngg gctcaccatt gcatgcaatg act 283

<210> 109
<211> 328
<212> DNA
<213> Mus musculus

<400> 109
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tggaggagct gttgcccaaa gggagcaaag aggaacagcg ggactatgtc ttctacctgg 120

ccgtgggcaa ctaccggctc aaggaatatg aaaaggctct aaagtatgtg cgagggctgt 180

tgcagactga gccccagaac aaccaggcca aggagctgga acgcctgatt gataaggcca 240

tgaagaaaga tggactggta ggcatggcca tcgttggtgg catggccctg ggcgtggcag 300

gcctggctgg actcattgga ctggctgt 328

<210> 110
<211> 348
<212> DNA
<213> Mus musculus

<220>
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<222> (77)..(77)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (103)..(103)
<223> n is a, c, g, or t

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<222> (168)..(168)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<400> 110
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tgaagatttg ggaaagnaac agctntctga cacctggaag ggntcagcca gagtaacagc 120

tgtggcttga ctggtaacaa tagcataggc tagaagtgaa gcaagcantc tgccattgcc 180

ttggaagtnt tctgtntcct ggtatgagag gaatgatgct ggagaggntc aacagcagga 240

ggcatcccat cacagcttcc agcacctgct ttgtgtagtg taacattgaa ttcatgtaag 300

attaacactg tggtgtaaan tntgaggcac attcatgcaa taaaacta 348

<210> 111
<211> 167
<212> DNA
<213> Mus musculus

<400> 111
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atcaatttag tgacttgact ccagaagaat tcaagacaaa ttgctatgga aactcactga 120

atagaggaga aatggctcct gatttgcctg aatatgaaga tttggga 167

<210> 112
<211> 86
<212> DNA
<213> Mus musculus

<400> 112
tcagaccaca cagaaacttt tcagcagtgc atgtggccct ggagccctgg gaatctggcc 60

agtgttcatc aaggtgcact gtttct 86

<210> 113
<211> 331
<212> DNA
<213> Mus musculus

<400> 113
ataggagcta gtctggcttt tgcctggtgt attatcatgt taggaatact gagttctccc 60

agtgttaatc ttgaggaaat acagtttgag gcttgcatct tctgaagatt gattgcatca 120

tcgccatcat gtgtgaagtc taacacagga cccacaccag cccataatcc aactgaagca 180

ctcaaaagac ggtagcatga ctctggtgct cttccttgct ttgttaacca tcatgactat 240

agtctgcagc acaacttttc ttttaacaaa gctagaacag ttttggcttc ttaaacttca 300

tatttgagta ggttaagctg ccatacgtgt t 331

<210> 114
<211> 384
<212> DNA
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<222> (274)..(274)
<223> n is a, c, g, or t

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<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<400> 114
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actgaaaaga ttctggaaga gccacaccct ctgatgttcc aaaagctcca ggaccagatc 120

ttcaatctca tgaagtatga cagctacagc cgcttcttga agtctgactt gtttctgaaa 180

cccaagcgaa ctgaggaaga ggaagaagag cccccggatg ctcagaccgc agctaagcga 240

gcctccagaa tttacaacac ataagctgag cccnttcacc ccangcgaag gagagggatg 300

gactnttagg actgtacagg ctgtcatttc tttgttgtgt ttgaggactg gagtgtgcta 360

gaccttccct ctggatatgt gtat 384

<210> 115
<211> 412
<212> DNA
<213> Mus musculus

<400> 115
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aattcgtgtg gcctgtgaag tggtgtattg tagtttgaat ttgagaccct attgtaagca 120

tgatccctac ctacaaccct atttttacat acccaattcc agtaactctc aaatccagta 180

ttttactcaa actctgttgg ggcattttac taaccttgtt ccctttttgg cctgtaagac 240

actttagaga ttcctaacag agtttactgt tgtttagaaa tttgcaaggg ctttttttca 300

gcaatgccac cagcagatta taatcttgtc aacagttcat tgtctcctct tagtaccacc 360

agtcacctgc atcattcatg ctagaagctg tgttctagcc atgcagttac at 412

<210> 116
<211> 472
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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gcaatactca gaaaattctt tgaatggcag actttctttt gtctgtttct aaaatgtgaa 120

gctttaggac caaattgtta gacagcatca ggattgcgga ttatctcaag tagattttgt 180

tagagttcag agcacagcat cactctgaag gagtctgtct tataaataca taattactgt 240

ttaagatgta cactttgcta tagttacaga accattgtga atttcaaagc tagcaaccta 300

cacggtgcac caggttgact tgaataaatt tggcaaccag gtttgcaagc gtgcagaaac 360

taactcctct ntcacaaagg cttataaaat tggtgtgtcc tatggaaatg gaaagaaaga 420

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<210> 117
<211> 566
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
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<222> (273)..(273)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (408)..(408)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 117
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gggaacattt atgattttct ttcaacatta aaactgaagt tagttttgcc atttttgaaa 120

gtattagtaa aatcatggaa tacatcacag aacagctgtc catcagtgag cttgtacagt 180

gctgatttgc agctccaaca tgcgggatgt tcatcctcct acacagattc ttgttgggtg 240

aaacagattg tcctatcnca aagcagaatt cancaaagtt aaaatttaag ataaggttta 300

aaaagcttta ttcctgttta caatttggga tgagaagcag gcttcgtttt aagtttattg 360

aaaactggct cagatgttta taagtcaaga ggaaagcggc ncagaganca gcncagtgaa 420

gagtgaaatg gagaaaactc tcncggtgaa gcagctgttg gaactcctgg tattaatgga 480

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<210> 118
<211> 427
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

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<222> (351)..(351)
<223> n is a, c, g, or t

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<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<400> 118
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gatttcgtgg aggccgtgcg ggaagaggcg gcagctgtag cggcccggca ggagacagac 120

tccatcccgc tcgtcgatga catccgcttc catgtggcca gcacggtcca gacatacagt 180

gccattgaag aggcacagca gcgactgcgg gcactcgagg acctgctcgt gtccattggc 240

ttggactgct aagcccttcc gtggccaggg cagccacggt gacaggcatg cncagtgtgt 300

gcacgcagcn annnngnnat tacaatgngg cagaggggac ctcacaggat ntccttggga 360

tgancctcct cctccagtgc acaaggaanc cccaagattt ggggcaggca ccactcaggg 420

aaaactg 427

<210> 119
<211> 533
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (491)..(491)
<223> n is a, c, g, or t

<400> 119
atgtaaggtc tttctccatg gagtcacagt cctaaagact atggtgccca gactcttgtg 60

ggttccaacc acttctttcc atgaactctc ttggacttac tgccacatta gctggtgaca 120

cggctgagct gacttggata tgtgaggnga ggaaggaggg gatgaacgcc acccagtcat 180

cagctagctt caggtttaga ttaggtctgt gaacgtctgt atcatgttct gggtatgatc 240

atattgccct gcatctgttt gcttnctaaa gccttcagtg ttcatgnata cnnnnaancn 300

nnctaagaga anacagggat ntcttnctan ccatatatat tttntcagta gcatagaact 360

ctgtanccgg aatntactag aaccctgtaa cccacgtgct gctgtgaggt taagaaagga 420

agacgtaaag acgctacact gaaaactgat atatatgtgt gagntcttgt gtctgtccat 480

tgttgtctgt ntcccctcaa ttccaacact ccgggcccat tacaaactat ata 533

<210> 120
<211> 310
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<400> 120
ttcaggcctg ctttccaagc tctctctgtc ttaggccaac ctttcaggcc aattggcaga 60

aaattgaatg ccccagggcc caggcaccaa ggggtgagaa aggcaggact ctgctcagaa 120

ggcagagcct acagaaggta ccaaatttac tgttgagtga ttgagattga aagagtagta 180

aactcagtgc tccaaggtat gctaatcata aaacagatag tgacattcct ccacccaccc 240

acttcctgag ttcaaggagt nttcattcaa agaaagtcac cttgactttc tttgaatgaa 300

tactgcaatg 310

<210> 121

<211> 108
<212> DNA
<213> Mus musculus

<400> 121
gaagttggtg gtgaggccct gggcaggctg ctggttgtct acccttggac ccagcggtac 60

tttgatagct ttggagacct atcctctgcc tctgctatca tgggtaat 108

<210> 122
<211> 457
<212> DNA
<213> Mus musculus

<400> 122
agtggcgctg gataagaact ttcatatgaa gtgttacaag tgtgaggact gtgggaaacc 60

tctgtccatt gaggcagatg acaacggctg tttccctctg gatggccacg tcctttgtcg 120

gaagtgccac tccgctagag cccagacctg agttgagatg gacctccttc cagaccacag 180

gtccgtcccc caccgtggac cacccacact gaggccagtc cttgcctcta ccctccctgc 240

attccaatcc cctcccgagt ctcaagtgcc ctgacccagg gcctcagcat ggcctacaag 300

tattgaggct ccctcctggt gctgaggccc agccctgggc tccaaccctt gcctcttctg 360

cagggatcac ccatcattct gaggtcccca acccaagggt cacatatagt gctgctgctt 420

tcactgctgc accaatgccc ttggctggcc tgagcag 457

<210> 123
<211> 544
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (452)..(454)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (510)..(510)
<223> n is a, c, g, or t

<400> 123
agcagtaaga acttcagagc cccagccggt gatctttccc agtcctgctg agctcccaga 60

tcagaagcag ctgcactaca cagagacgct tctccagcat gtgtctcccg gccttcagct 120

ggagcttcga ggaccgtcac tgtgggccct gcgtatgggc aagtgcaagg tgtactggga 180

ggtaggcagc cctatgggca ctaccggccc ctccacccca ccccagctgc tggagcgcaa 240

ccgccacacc cccatcttcg acttcagcac tttcttccga gaactggagg agtttcgggc 300

tcggaggcgg caagggtcac cacactacac catctacctg ggttttgggc aagacttntc 360

agcagggagg cccaaggaga agaccctgat cctggtgaag ctggangcca tgggtatnca 420

aggcatacct ggagggcgtg cagcgtgagg gnnntgtcct ccctggacag cagcagtctc 480

ggcttgtgct tgtctagcac caacagtctn tacgaagaca tcgaacactt cctcatggac 540

ctgg 544

<210> 124
<211> 530
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<400> 124
ggtggctatt gtaaaagacc caaagatgag tggatagagc tattataaca cattaacata 60

ggacctgaaa gaatagacta aacttatcta tagctagatc ttcatgagtg ctggtgtttt 120

cgggggtact ctattcaggt catacaccac acccnacngc agctttaccc tgctttccaa 180

catatgatct tctagagcag tggttctcag ccttctaatg ctgaggtcca ttagtacagt 240

tcctcgtatt ttggtgaccc ccaaccataa aattattttg ttgctacttc ataattataa 300

ttttgctgtt gttatgaatc ataatgtaaa tatctgatat tcaggatata tgatatgtga 360

ccatcaaagg gtttcgaaat ccatggttga gaactgttnt tctagatgca cacaacatat 420

aatttcatag caatgtagtt ggaaacaatg tatcaaattt tttgtctaaa ttataaattc 480

atgcattttt ttgctttata aaagtgtgtt cacatttgag aatacatgtt 530

<210> 125
<211> 404
<212> DNA
<213> Mus musculus

<400> 125
gagaacagct ttctccgagt cacggcaatg gcaaggtact cccacaccag cctcagctgc 60

tttgcccagg aaaatatggc cattggtaaa ccggatctta tcatcgagat gccaaagaga 120

gcagcacagt atcggcccct cactgtctcc gttagaatgc acaactcctt agaggccccc 180

atgcagaact gcatcatctc catctttgga aggggactca ttcacagaga gaagagatat 240

ggattgggtt ctctgtggcc aggaagcagc ctacatactc agttccagtt caccccaaca 300

catctggggc tccaaaggct cactgtggaa gtagattgtg acatgttcca gaacctgacc 360

ggctacagaa gtgtccttgt ggtggcccct gaagtttctg ttta 404

<210> 126
<211> 519
<212> DNA
<213> Mus musculus

<400> 126
gaagtggctt cctaggtgac atggaatggg aataccagcc aacagatgaa agcaatattg 60

tctatttcaa ctataagcct tttgacagga ttctcactga gcaaaaccaa gaccaaccag 120

aagacgattt tattatatga atgtgacggt ctctgtctcc ccacctccat gtggaacaat 180

gtattcagta tacttagtgt accacgttta aatgaccagt ctcaggataa agagttttac 240

agaaaattta aaatgcctgg aaaagactct tgaatcctgt tacccctttc ctcattaact 300

cgtaaggaat tatgctttaa tgctgttacc tatcttgttg ttctggaaaa tgcctgcatt 360

tatgtgtatt gaatcaacat ttaagaaatt aacacacacc cccattatta tacaataact 420

ttcaaagcca tactggtttt gaaaatttta atttgatagc aagttgatga acaatctttc 480

atacctaaag tgttcaggaa cccaactcgc attgtgaat 519

<210> 127
<211> 477
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<400> 127
ggctgttgct ttcatagcat ctcagactac ttggaactcc aaggactgcc taactaaagt 60

actttcacaa acactaacat tcagaaggat gttgagaaag caagatctaa tctgaaatgg 120

atgacattaa caagctcctt aagcccctga agttttattg catctgctag cacttgaatg 180

ctgactgaca ggcagatcct gatatatcca aattcgaatt aataccattt gaaatggcaa 240

gtcttggctt aacgcctgtt tgtatgccca gcattcagct gttttactca aagctaggca 300

tgtcatagta attgtctttt cagatggaaa ctagagaact ctcctaggtg tgatctgcac 360

tggccacttg gcaggcacaa gctgcttcct tcccctcagg tcttaaccct tcccagacct 420

gcagcgattc ctgtcganct cccttacaca gtattgatct tctgactgtg gaaacca 477

<210> 128
<211> 203
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 128
tgtcatcttt catgaaggtt cagtgtccta gttcccttcc cccaggcaaa acgacacggg 60

agcaggtcag ggttgctctg ggtaaaagcc tgtnaagcct aagagctaat cctgtacatg 120

gctcctttac ctacacactg gggatttgac ctctatctcc actctcatta atatgggtgg 180

cctatttgct cttattaaaa gaa 203

<210> 129
<211> 510
<212> DNA
<213> Mus musculus

<400> 129
gattgacaag atgtacacgc ccctgttgtt cgccagagtg aggagctaca ctgccttctc 60

ggaaaggcct ctgtagagcc acaccagcat gtcactgctg catgagcaga agcatagagc 120

gctgggacac ctaagttata tgtacataga cacacgcatg tagatagaca tgcatatata 180

catacatgga gttggagctt actttaagtt gttggaattc ctttaagaag agtataaatt 240

atttttttta tttaaaagga tagttgattc ctggggtact ttgttttgaa attagaagtt 300

gttaaggaca cttttgttgt aataaatgtt gatgtagagt tgaaatcatg ttttcaagca 360

ggtttctgag cagatctgtc acatccactg ccttgtgcct gagcatcctc aacacacata 420

ggtcagggag cacactggag agttcttatt cccgcatgac ttagtggctt tgcatcatac 480

tcaaaatgtg aaacctgttc tggatttgtt 510

<210> 130
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (107)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<400> 130
gacagtgatc acagtctgca tcctagcctc tccctagact agtgcggttt gtagtgcctg 60

ctgttgtggc tctgcctgcc atacctccca cccccatccc catcccnnnn agcatccgag 120

gacccaaggg ctttgactgc aggacttcca aaagaacgaa cacttcacga gaggacaaat 180

gccacctctc agctgcatct tgaagctggt cacttctggg tcttgtggca ggcattcgtc 240

aatggcccag tgcagttctc tggagaaagc taccttttcc caaggcatct gcatccatcg 300

acattggtaa tgtggccagc tctccttggt cctgtcctca gccgatgctt tttcaatagg 360

atttttatgc tttgtgtacc tcaaccaagt atgaagagct gtactggttt tatagatnca 420

cccccaattg tatggcttaa aacaagctac atggtcatgg tttgctgtgt gaccgacaga 480

t 481

<210> 131

<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<400> 131
ggagatactc ccaggtgcaa caagagctgt gaagctnggc tactccccat cctacaaaga 60

ggataagcac tttgggtaca cttcctacag cgtgtctaac agtgtgaagg agatcatggc 120

agaaatctac aaaaatggcc cagtggaggg tgccttcact gtgttttctg acttcttgac 180

ttacaaatca ggagtataca agcatgaagc cggtgatatg atgggtggcc acgccatccg 240

catcctgggc tggggagtag agaatggagt tccctactgg ctggcagcca actcttggaa 300

ccttgactgg ggtgataatg gcttctttaa aatcctcaga ggagagaacc actgtggcat 360

tgaatcagaa attgtggctg gaatcccacg cactgaccag tactggggaa gattctaatc 420

tgctttgact tcattgtcca gtccttaggg 450

<210> 132
<211> 300
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<400> 132
aggcaagatg tgtccactgg tggcataggg acattacttg taggggtgta accaatggct 60

ttctcatagg atctgaggcc tactctctgg aagacaattc atgtactatt ggtcaaatgc 120

ctgtgaatag ggaggacata agccctgtca ggaatggtat ttctattgtt ttgctaaata 180

ttcatgtcct ncctatcaaa ttnccccttga aaagacctct agtttcatga gtcccaaagc 240

taagaatgtc ctcagacnaa attcaatncc tactttgctg taatccttat aacctatatg 300

<210> 133
<211> 494
<212> DNA
<213> Mus musculus

<400> 133
gaacctcttt gagatcatca cagcagatga agttcattat tacttgcagg cagccacttc 60

caaggagcgt actgagtgga tcaaagccat ccaggtggcc tcacggactg ggaaatgagg 120

acaccgagaa tcactgagga gcatctgact ggccaagatt ctacaaccca tataacagag 180

atggaattca aggccagact ttgaactttg agtcggcatt ctgttttgtc ttcaccttcc 240

tcacatgctt ttggggtgca tcattttaat gtgttgttta tttaatattc actgaagcaa 300

gagttctcaa gctttatggg tctgttcccc acacaccagc actcaaatca aacaatattg 360

tgcttgtata actttctatg ggaagtctag agactttaca gatagtccag aaagtctcaa 420

ggctggagga gcatgaggcc tttcatccct ttgtattctg agttctcctt cctgttttct 480

tctcacctga ataa 494

<210> 134
<211> 588
<212> DNA
<213> Mus musculus

<400> 134
gtagcacatc tttcaatccc ttaatccctc aatcacatta tctccttgaa gtgctgccta 60

gctcaccagt taccaattct taattcatgt taagaacatc cttcttgtat attcacattt 120

ctgtgtttag atcagaaccc taccatttac tgtgtagatt catttcaaga gcttccaaat 180

agacttccat accccataac tatactccaa tctactttat atatatttat cactaaactc 240

tatatggaat agaggaacct taaatatata atgttgctta tcttccaaac tttagctcat 300

ctccaatgtt tccattgctt gtaccataga atctaaagtt ggtgaactgt aaggttaata 360

atgttaattt gactaaactg ggagatgctt aatgtgtagg gtatcagttt agcacatatg 420

taaatatgtc tgtaaggaga attttaaaag ataattaatt catgatagct ctgactcagt 480

gaatggatag ttgatccatt ggtagattca agactattag gaggtggtgg aactttgcaa 540

gttggaggaa gaaggtgggt gtatccttcc ggaggtatat ctgggctt 588

<210> 135
<211> 426
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<400> 135
aagtgtgacc gcctctctgt agctaagcnc agttanggct gggtgatttg gatcccgact 60

cgcatctggt attgtagacc ttttacctct catccgttgt gcttactaac aaaatgtgaa 120

aagcaagacc caggtgtctc atgtggtggc agcacagtgg caggccagtg gtcaacttag 180

ggcatctttt ctctgccacg gcagcgcaat gcaaagagca gacatggcct cttgcttctc 240

ttcacagcca taggataatg aatactcagg cctgtttgtt aaaatgctat ttttaaaacc 300

atatgaaggt aggataatta attacaagtc cacatcatga gacaaactga agtaacttag 360

gcaaaacagg taaaacagtc atagttttgt gattataaat gagatgaatg ttcacccttc 420

caagat 426

<210> 136
<211> 472
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<400> 136
ggcatctttg gagtgacatc caaggatgga ccatcccacc tgtgtacaat gataatactt 60

tagctgtgtg tgtgtgtgtg tgtgtgtgtg ttcaggccat gtgacagtca accatttaat 120

agatgagtgt taatttatta tagataaata ttgatcttta aaaatgggat gctcttaatt 180

catgactttt taaagaattg gattaaatat agctactttt atgtgagctt tcccctctgt 240

ccccctgccc cttctctctg tctcatttct cacaaccatc accctccagt gtcaccccca 300

aggctatatc tccaacatac tgctatgcca ttaaggtttt atttaacttt atttatggat 360

aattatgtct atgaacaaca aatgtnccgt taccggtcac acagtgtgtg ggataagagt 420

ggcctagtgt tgctttccga atntcttaaa atacctgtgg tcaagattgt tt 472

<210> 137
<211> 557
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (477)..(477)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (508)..(508)
<223> n is a, c, g, or t

<400> 137
cagggcagca ggacccagtt ctggtgagct gcgacggctc agcgtcctgt acggtggtgg 60

agtgtgagct gcgggagatg gtgcgcgggc agcgggccat ggttactgtg caggncatgc 120

tggggctgtc cagcctccgc cagaggccgc aggagcagtt tgtgctgcag tcgcacgcct 180

ggttcaacgt ctcctcccta ccttactcgg tgccggtggt cagcttgccc agtgggcaag 240

ctcgggtgca gacacagctg cttcgggcct tggaggagag ggccattcct gtctggtggg 300

tgctggtggg cgtgctgggc ggtctgctgc tgctgaccct gctantttg gccatntgga 360

aggctggctt cttcaagcgg aatcgaccgc cctctggagg aagatgaaga ggaagagtga 420

cagcagaggg ggcggggttc ctggtgggaa agctgggtac ctgcttcctg tttccancca 480

gttnccttg ctcagaactc catggggntc ttccctttcc agcagaccgg gtgcatccct 540

tttcctaata cctaata 557

<210> 138
<211> 480
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<400> 138
gtaggtaaga aacagtttag gcactgtcaa aaaagatatt cctgaaaagc agtgtgcaaa 60

ggaggtatga taaaacaggc ttttcaagag aaactagtat cggttctgca ctaggccctg 120

ttggggtgaa gacaagacag acattcttcc atctaaggaa aatgagcgga ccagcctggt 180

aaattagtgc tgaaaactca taaacagaaa tcagtggata gaggctagca cagtgacttc 240

ctcgagagag tgctgttagn atttgtancn taggttcnca cnnaggtanc agggcagtnc 300

atctgagatt tgaactaaag atgtaagggg gttnggggaa aaattgacag cttagagaat 360

ttccacattg gtgtttaagg ggataggaaa aacttatttc nagtttaatc tgtgtacata 420

ggttctgntt gggatcctgg ttgggatgga ggtggtccct tcttatgatg aataggttgg 480

<210> 139
<211> 249
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<400> 139
gacaagacag acattcttcc atctaaggaa aatgagcgga ccagcctggt aaattagtgc 60

tgaaaactca taaacagaaa tcagtggata gaggctagca cagtgacttc ctcgagagag 120

tgctgttagn atttgtancn taggttcnca cnnaggtanc agggcagtnc atctgagatt 180

tgaactaaag atgtaagggg gttnggggaa aaattgacag cttagagaat ttccacattg 240

gtgtttaag 249

<210> 140
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<400> 140
ttgatcatct tcgttgtcac gcctgtgttt cgtacgttgg gatcagccag ttcaacagtg 60

atgttgggtt gcccttaacc cctttgtacc aaggccgtgc aggctaggag tccagagtgg 120

gcgctgtggg agtggacgag agtgcacgtg ggcaagtgta ctggtcttgg ggctgccctt 180

gtctccctgg tggtctgcag tgggatttga gcgctttcct ttcagaagtc cagtggggct 240

ctcagcttaa tccagaagga agagatgggc tctgccctga aaagtggtta tgtcttgacg 300

cccctgggtg aataggccac cagcctgggc actggggcag gaaccatggt gctggagcct 360

ggcacagtgc accggacaag accgaatcnc cggttatgag tgtgggtgga aggtgtgtct 420

gtgtntccga tgggtccggt gtcactgttt acatga 456

<210> 141
<211> 464
<212> DNA
<213> Mus musculus

<400> 141
aagcccttgt ctaaaccctt gagtgctgag agctaaggca gattcagcct tgcaaaaggc 60

cagcgttact cttgactgaa ggacagaggg cacccaaatc ctttacctta tgtgccaagg 120

ctccaacaga caagattatt ggtacctctt tgtagggcag atttatagtt ataattcccc 180

atttaaatgc cttgggagtg acttaggtca ggtgactatg aagaaaaaaa agaacaaaaa 240

gaaaggaaag gaagaaggaa ggaaagaagg aaggaaagga gggagggagg gagactgtaa 300

gagggaagtt atggaagaga agataacaga atgttctagt ctgtagctat gctctggttt 360

acttctaagt cattgatagg ttcctgggaa cttagtacta acccccgagg ttcagcagat 420

tctataagca aaactccatg aagtcatctc tcagcattag catc 464

<210> 142
<211> 255
<212> DNA
<213> Mus musculus

<400> 142
ccgcaaggag agctactcgg tgtacgtgta caaggtcctg aagcaagtgc accccgacac 60

cggcatctcc tccaaggcca tgggcatcat gaactcgttc gtgaacgaca tcttcgagcg 120

catcgcggga gaggcgtccc gcctggcgca ttacaacaag cgctcgacca tcacgtcccg 180

ggagatccag acggccgtgc gcctgctgct gcccggggag ctggccaagc acgcggtgtc 240

ggagggcacc aaggc 255

<210> 143
<211> 288
<212> DNA
<213> Mus musculus

<400> 143

accagctcca agtgatcctg ccaagaggag cagacctgac atcgtttgta ccactcaaca 60

gtgctggatg ctgtaacctc aagacagtgc aaatgggtga tactagcaga ttaaccacca 120

tagtttcaga actcaaggaa caactgagaa gcaccatttt aaattctata aaaatgttca 180

ctgtagaaat ttgtgataag aaagacacac agacgtagaa aatgagaata cttgctgcaa 240

aattaagatg ctcctagcaa aagaatgctt ttaagtgttt gtcatgta 288

<210> 144
<211> 395
<212> DNA
<213> Mus musculus

<220>
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<222> (342)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<400> 144
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ttggaaatgt actgagtgtt tagcacttca ctgtgtctat atccactgag ttcttggacc 120

taaacatgtt atgttcagtc agatttcact aaagtgagcg actgggtttt aagtcaaact 180

gcactgaaac ttttaacctt tacttagatt aaacgtttgt tcttttctgt atgtataaat 240

aatacaaggt gattatttca agagaaacct gaaaaagtac ttgaataagg gctattgtga 300

aatttaaaaa gaaaaaaaat gtgcacatat acacacacat anncatgcac atacatgtat 360

tnttcataat ggagggcaat gtttttcatt atata 395

<210> 145
<211> 195
<212> DNA
<213> Mus musculus

<400> 145
gcagtaattc atgtgtatac gtgtgtgtgt gtgcacatac acacgtgcac atgtgtgtgt 60

gtgttcgtgt gtgtgtgtta atatgctgcg aaggtcaaac ccatagaaga gttgcctcct 120

ctcttgaatc ttccagaggt accacttgtt aaagcgtttg tattaatcgc actagccccc 180

agctttttaa gtgag 195

<210> 146
<211> 563
<212> DNA
<213> Mus musculus

<400> 146
gcaaccagca gcttgtggac attattgaga aagtaaaacc cgagattcgg ctgctgatcg 60

agaaatgtaa cacggtcaaa atgtgggttc agctgttgat tcccagaata gaagatggga 120

acaacttcgg ggtatcaatt caggaggaaa cagttgctga actaagaact gtggagagtg 180

aagcccgcat cttacctgga ccagatttct agatattata ttacaagagc caaattggtt 240

tctaaaatag ctaaatatcc ccatgtggag gactatcgcc gcactgtcac agagattgat 300

gagaaagaat acatcagcct ccggctcatc atctcagagc tgaggaatca gtatgtcact 360

ctccatgaca tgatcctgaa aaacattgag aagatcaaac ggccccggag cagcaatgca 420

gagacactgt actgaggcca gggccagggc caggggactt tgtgagtctg gctcaagacc 480

gacattgcct tggtttgtta catgactatc gtgatgggaa aactggctgg aaatagtaat 540

cacacctctc tgtttttagt tag 563

<210> 147
<211> 564
<212> DNA
<213> Mus musculus

<220>
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<222> (404)..(404)
<223> n is a, c, g, or t

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<222> (475)..(475)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (477)..(477)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (479)..(479)
<223> n is a, c, g, or t

<400> 147
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cagttctggg gcaaagatgc ctgcccttca catcgaggat ctgccggaaa aggaaaaact 120

gaagatggag gttgagcaac ttcgcaaaga agtcaagttg cagagacaac aggtatctaa 180

atgttctgag gaaataaaga actacattga agaacgttct ggagaggatc ctctggtaaa 240

gggaatccca gaagacaaga atcccttcaa agaaaagggc agctgtgtca tttcataagt 300

aactctgggg gagggaaatt ctgttctttt gtttaatttt cccccaaatg aagccaaagt 360

gtgtgttgaa gaactgagaa aaaataaaat cgagaaaaag actntcatat aagcactctc 420

caagcagttg gggtgtgaat catacctgct tctcaccttg gctccccaca cactntntnt 480

cagaggagag catctgattg cagttatgga atgaaggcat ggctccccca ctttcagtat 540

actccttgct gtctccaata aagt 564

<210> 148
<211> 379
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<400> 148
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actgtgtggc gggcctggga agggccccag tgctcgtggc tctcgccctc atcgagagcg 120

ggatgaagta cgaggacgcc atccagttca tccgacagaa gcgccgtggg gccatcaaca 180

gcaagcagct cacctacctg gagaagtacc ggcctaagca gagactgagg ttcaaagacc 240

cacacacgca caagaccaga tgctgcgtca tgtagctcag gccctggccc tgtacctcat 300

tacatctgtg tctaaggagt ccaacggcta tgtgcgtccc tgctctgtcc ccatctgtac 360

ccacggctgt ctttctgaa 379

<210> 149
<211> 528
<212> DNA
<213> Mus musculus

<220>
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<222> (68)..(68)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (76)..(78)
<223> n is a, c, g, or t

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<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
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<222> (85)..(86)
<223> n is a, c, g, or t

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<222> (89)..(91)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (160)..(160)
<223> n is a, c, g, or t

<400> 149
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atttcctnan nnnnannncn tnaanntann ncnnnatcnn nnggnccann ggcnccctct 120

tgacatgagc gtcgctgcgg tgtttcgagg cctccggccn agtcctgagc tgctgcttct 180

gggcctgttg tttctgccag cggtggttgc tgtcaccagc gctggtcccg aagaaagcga 240

tggagatctt agctgtgtgt gtgtgaagac catctcctct gggatccatc ttaagcacat 300

caccagcctg gaggtgatca aggcaggacg ccactgtgcg gttccccagc tcatagccac 360

cctgaagaat gggaggaaaa tttgcctgga ccggcaagca cccctatata agaaagtaat 420

caagaaaatc ctggagagtt aggtatcagc tgcctaaatg tcaattgtgt tacaagactc 480

ctggaatctt gtctactttt aatgtaactg caatcttccg atgtttat 528

<210> 150
<211> 324
<212> DNA
<213> Mus musculus

<400> 150
ctcctcgagt ttcagaacga tcgcgggggc cgtgcactct tccaggatgt gcagaagcca 60

tctcaagatg aatggggtaa aacccaggag gccatggaag ctgccttggc catggagaag 120

aacctgaatc aggccctctt ggatctgcat gccctgggtt ctgcccgcgc ggaccctcat 180

ctctgtgact tcctggaaag ccactatctg gataaggagg tgaaactcat caagaagatg 240

ggcaaccatc tgaccaacct ccgcagggtg gcggggccac aaccagcgca gactggcgcg 300

ccccaggggt ctctgggcga gtat 324

<210> 151
<211> 315
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<400> 151
agtcttctga acatatctgt catgtcttgg catccttaaa caggaccaca gcatgcccat 60

gcctagcctt ctcatgtgtg gatatgactt ccactcaccc ctcgcccagc ttgcaccaag 120

atgactgagt aggctttgtc agggactcct cctctttaca aaatttacat tcattcactc 180

tncttcctgc gcctaggtat ggcgagtntc ttccttggcg gggacattct cacagtttag 240

ttcttttgga gggaactttt gtaatggagc acagctttct tccctgcaag agtggtgaag 300

gctcatggta tttat 315

<210> 152
<211> 472
<212> DNA
<213> Mus musculus

<400> 152
aacgtagcag tagctgtctg tctgtatgct agagaaacga gatcagctgt agaggttaaa 60

cgacctgctt gtccccctct cagtacaagc tgggtcttgg acacactgat gttttgaatg 120

ttttacagtc tagccttttc agtcaggcac tttttggaaa aaactttgtc ctcatttgag 180

ggggcctgtt gtgaggttct gtgcttgttt ttgtgggtat ctgcctcatt ccatccctga 240

gctttgacag gaagacaggt ggattccaaa ctgaggtgct ggttgtacta gaggtatctg 300

tcggtttgca gaagtaatga acccttcccc accgaagaaa agggagggtg cggccaccca 360

cgaggcaagc aaaagttaag ttgctaaaat tccttggcgg gaatttcacc tttgcatttt 420

gttgctctct ttcctgaaat aacgtgggag atgctctgat ctgtcctctg ct 472

<210> 153
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)

<223> n is a, c, g, or t

<400> 153
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catcaagcag ataccgggcc caacgaagga gccacttctg ggagctcatt gaggagagag 120

agaacaaccc ctttgacaac gacgaagagg aggttgtcac ctttgagctg ggcgagatgt 180

tgcttatgct tttggctgca ggtggggacg acgagctgac agactctgag gacgagtggg 240

acttgtttca cgatgagctg gaggactttt atgacttgga tctatagcag cgttgcgtgg 300

cgcgggcact ggtctgcgga gcctcagaca gtagctntcc cctgtgctgt gtggcagtgc 360

gtgtggctnt cctaggcagg cctctcaaac tccaggtgct gtgatcactt cccagggc 418

<210> 154
<211> 445
<212> DNA
<213> Mus musculus

<400> 154
atgaggcggg ctcagcacca ttagacttga agatggcccc ttttcagagc aataaggatc 60

tgatctccac agggataaag gagtttaatg ttctgctgga tcagcaggtc tttgatgatc 120

ctctgatctc tgaagaagac atggtgattg tggttcatga ctgggtgaac ttgtacacca 180

actattacaa gaagctcgtg catggggagc aggaggagca agacagggcc atgacagaat 240

tccagcaaga gctgagtact ctgggcagcc agtttctagc caaatacagg acctttctga 300

agtccaaaga gcccccaagc aatacactgc cctcctcata acttaaaggg tctgggcatc 360

atgtcttaga accccaaaca ctcggctctg tgttatatct tcagaccgtt ctcccaagat 420

gttgctgtac tttgacatgc caata 445

<210> 155
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<400> 155
aaattgggat gttctctcgt tctgtctcag aaatcacaac tgtattctga gaaggcatga 60

taaagaatgt cacaacaaac aaacaaacaa tgatgaagac gggcaagcca agttgcaacc 120

tgcaatttat ggtctatttc tgcagttctt ggctaagcat tctgacatgt cctgcatttc 180

tctatttgag cttttctttt caaatgtact atgtcaagtt ttcattctgt gtttttaata 240

attatttctt ttagttttga gattataatt acatcccttc ccctttcatt tttctccntn 300

tgaacccttc tatataccca tccttgctnt nttcaaatcc atggctgctt ttttttccca 360

ttgagcattg ttatatacat atataatgat aaatttcgta gtggtcaatt gcaacggaaa 420

tcgcctggag tcaagcagtt ttcgntctgg tcatgaccat gtttttccaa t 471

<210> 156
<211> 223
<212> DNA
<213> Mus musculus

<400> 156
taccaagact atgagcctga agcctaagaa atgtcattgg cacccaatct cctaagatct 60

gccggctgct cttccatggc gtacaagtgc tcagttccaa tgtgcccagt catgaccttt 120

tctcaaagct gtacagtgtg tttcaaagtc ttccatcagc agtgatcggc gtcctgtacc 180

tgcccctcag catcccggtg ctcccctctc actacagtga aaa 223

<210> 157
<211> 299
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (100)..(100)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<400> 157
tgtccttcgc cagatcacag tcaatgacct acctgtggga cgctctgtag acgaggctct 60

ccgcctagtc caggcctttc agtatacaga cgagcatggn ggaagtctgc cctgctggct 120

ggaagcccgg gcagtgacac catcaagccc aatgtggatg acagcaagga atacttctcc 180

aaacacaact gagatgggta aacatgnggt gagcctgaag cttggatttc acctgtgccc 240

caacctggat gtcctgtgct ggcccagaaa atgctagatt ttcctccact ctctgaagg 299

<210> 158
<211> 498
<212> DNA
<213> Mus musculus

<400> 158
atgagatcct agcatcggtg ctggcagtgt cccaacagga atacctagac agtatgaaga 60

aaaacaaagt gcacagagag ccacccccag acaagagttg atggacaccc agggactgga 120

catcattccc gatcccccac tcctgccctt tgatgccacc caaacttctt tggctttctt 180

ccctcttggc ttccttcttt tgtttcctct tttccttttt tttttccact tccctctggc 240

cggcccaccc atgcgctcca tccatctcat ccctgccacc accattggtc tctgccagct 300

gaagtgccct attgcccccg cacagcacca tctcagcatt ccacagggga ctctggaaag 360

ggtgcggaag gtaggcaaga ggcccacaga gacagaccat ctggcagcca ggcagcccca 420

gaagagagac attcagacaa aggaagtctt ctgctcaccc ttccttaaag atcagataaa 480

cttgtcatcc cttcccag 498

<210> 159
<211> 442
<212> DNA
<213> Mus musculus

<400> 159
gtgcagttga catggcatgc tccgtccttg gagttgcaca gctggactct gtgatcatgg 60

cttcgcctcc gattgaagat ggagttaatc tttccttgga gcatttacag ccttactggg 120

aggaattaga gaacttagtt cagagcaaga aaattgttgc tataggcacc tctgatctag 180

acaagacaca gttggagcag ctgtatcagt gggcacaggt aaaacccaat agtaaccaag 240

ttaacctggc ctcctgctgt gtgatgccac cagatttgac tgcctttgct aaacaatttg 300

acatacagct actgactcac aatgacccga aagaactgct ctctgaggca agtttccagg 360

aagctcttca agaaagcatc cctgacattg aagcccagga ttgggtgccg ctgtggctgc 420

tgaggtactc ggtcatcgtg aa 442

<210> 160
<211> 485
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (139)..(140)
<223> n is a, c, g, or t

<400> 160
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ttgatgtgtg tttttagttt agaagtgcta tattccacaa gggttaagtc aatgaggttg 120

gaagacacct atctttttnn ttttaattca aaaagcacaa tcagtctttc ctttgaaaat 180

ccatataaag tacaactttt agcgtgatta ttttcctaaa tacaaagaca aataatttac 240

ttattttatg ttaattacgg gcatgaagca aaaggtttct ttggggaaca tgcagttttg 300

tagtgctggg gttggttcat gtcctctggc accctggctt gttgaaaggt ggctttagct 360

gtgtgctgtg tacctgctta cgtggcctgc tgtcctctgt gtgattagga gggtttctgc 420

tggccctgca gcttgcttcc ctgcggatta ggcctttgct catgctatag ccttcatgtg 480

ggtgc 485

<210> 161
<211> 570
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (247)..(252)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (489)..(489)
<223> n is a, c, g, or t

<400> 161
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tgaattttct ttgtgaataa gttcttaata taaaaattac atggttatag actaggccat 120

ttgtaaaaca caaagaaata actaatgtaa taattatcat tttattctaa tcttttcctg 180

catatatgtg tgtatacaca cacacatata tacatacata tatatatgta tatatatata 240

tatacannnn nncacacaca tacatatata tncatacaca tatatatgca catacacata 300

catgcatgca tatatagaca tatatacaca tacatacata tacacataca tatatgcaca 360

tacatatatg tntagtctcc aacatatttc atcatatcaa cctcctttcc cctcataant 420

aattcttgcc tgaatttgta atgaaatgtt attctaaaaa tgtaaaaact atgtcaaagc 480

agaatctgnt cttctatatt tggatttaaa tggatttgaa agtctttggg atccttgaag 540

gatttgtaat aatcactttc tctaaaactt 570

<210> 162
<211> 279
<212> DNA
<213> Mus musculus

<400> 162
caacattgtg ttccttggag gatagactcg aaattcttac tgagatttct attttcatat 60

acaagtatag tgactgatcc tggggtcaat ttatcaatat ggaatatcta gtctactggg 120

acatcccagg aatgagtttc acagttttat tttatgagtc gcacacaaat tctacactta 180

ttgcccaaaa caacttccta caacattgtg gtgtgtctcc tcatgtgcta ccagtggtga 240

ctgagatgtt tacagtctta tggatatagc tatcactta 279

<210> 163
<211> 324
<212> DNA

<213> Mus musculus

<400> 163
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tttacagtct tatggatata gctatcactt aagtgagtat tgtgagttta tgaaatgtaa 120

tttgtaaaag aattaggctg agcgcacagc ttgggatcat gtgctcacct gcatcaaaca 180

caaaacacga tggtacctac tcttttcccg agtccatggc tacgggagtg tgagtgagtt 240

ggagcggtca cctggcactg cttctgttga cagtgtagcc actgtccact gccactgtgg 300

tgactgcaag agtctcatct ccct 324

<210> 164
<211> 460
<212> DNA
<213> Mus musculus

<220>
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<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
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<222> (296)..(296)
<223> n is a, c, g, or t

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<222> (298)..(298)
<223> n is a, c, g, or t

<220>
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<222> (316)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(397)
<223> n is a, c, g, or t

<400> 164
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gaaacttcct gcctccagga taaagggctt actcatcacc tctggcanct gctagacaag 120

ttcataaccc ctttctgcta gtccatctgc cagctggctc gcaggactca ggcagggcag 180

ctgtcccgga ggctgctggt tggtgagcca ctgtcagctg agcgccgtga tgttgcccca 240

gggtggaaga agccacactt cctacactgt cagggcactt ttaaacttnt ggaggngngt 300

gtgtgtgtgt gtgtgnntgt gtgtgtgtnn gtgtgtgtgt gtgtgtgtgt gtgttcattn 360

tgcccttcca aatcatntaa gtgttattta aggcanntct gctgtttgta tgagatggtt 420

catagaaatt atgacaaagc ctttgttatc caggccatgg 460

<210> 165
<211> 500
<212> DNA
<213> Mus musculus

<400> 165
ggttcgcctc ttcttttgga agcaagtggc agaaaaagtc ccactccagc caaagcactt 60

caggattttg aacccagtta tcatcaaaga aactgccttc gacatccttc agtactcaga 120

gcctcagtca agattctggg gccatgataa gaacatcccc acgatcggcg tcattgccgt 180

tgtcttggct acacatctgt gtgatgaagt cagcctggca ggctttggct acgacctcag 240

tcaacccagg acccctctgc actactttga cagtcagtgc atgggcgcca tgcactggca 300

ggtcatgcac aatgtgacca cagagaccaa gttcctcctg aagctcctca aggagggcgt 360

ggtggaggac ctcagcggcg gcatccactg agaactcgga acacggcaaa cctcacccag 420

caccgcagct gagagcgtgg tgagcagcct ccacagggac ttcaccctgc agctgcttcg 480

atgtgcagct agtgttttca 500

<210> 166
<211> 583
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (543)..(543)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (558)..(558)
<223> n is a, c, g, or t

<400> 166
ttgacccacc cattgtggct agatacatta ggatacaccc aacaaaatcc tataatagac 60

ccacccttcg gctggagctg cagggctgtg aggtgaacgg atgttccaca ccactgggcc 120

tggaagatgg acggattcaa gacaagcaaa ttactgcatc ttcatttaaa aagtcgtggt 180

ggggagacta ctgggagccc tcccttgccc gcctgaacgc ccagggccgc gtgaacgcct 240

ggcaagccaa ggcaaacaac aacaagcagt ggttacaagt cgatctgctc aaaatcaaga 300

aggtaacggc catcgtaacg cagggctgta agtctctntc ctctgagatg tacgtgaaga 360

gctacagcat ccagtacant gaccagggtg tggcatggaa accttaccga cagaaatcct 420

ccatggtgga caagattttt gaaggaaaca gcaataccaa ggggcacatg aagaactttt 480

tcaacccncc cattatttcc agatttatcc gcatcattcc taaaacatgg aaccagagca 540

tcncccttcg cctagagntc ttcggctgtg acatttatta gaa 583

<210> 167
<211> 546
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (506)..(506)
<223> n is a, c, g, or t

<400> 167
tccttcatcg ctgccactaa gtgagatggc agctattatt tcttcactga tttgaatata 60

aatggggaaa tattaagacc tggcaagaat atgactgttt ttcactctga ttaaagacat 120

tgtataatat aatagttata taatggaatg atatgattca ctgtggctct ttgaaatcct 180

gtagacatta gcnaaagata atacttttgg aaatttttca tggacctaga aagcctttnc 240

tttctatatt tttcttttaa aagcaaactg taatttgtaa acaatagaaa caaaagtagt 300

tgaggttttt ttttnatcat agagaaaaat atatcttgtt gtaattaagt gagaacttaa 360

aaatacccag tgttgggctg gctcagtggg caaaagtgct tgctnccaaa acaaaacaac 420

aacagcaaca caacacnaaa cnaaccttat ggcttgagtt caagtcctgg aacccacagt 480

gaaaggagag agcatattcc agaaanccgt cccctggttt ctgcatgacc cacgaccatg 540

tacaag 546

<210> 168
<211> 164

<212> DNA
<213> Mus musculus

<400> 168
aaccagtaga ggatcacagt tccttattgt gacatccttc ccttggcctg gaaagcttgg 60

tggtggcttt tgcaacagct tgaggggggg gggggattc ttgactcagc tggaggagcc 120

tggaagaatg gttccctgtc acagtagtac tgttgacacc tgcc 164

<210> 169
<211> 436
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<400> 169
gcagagtacg ctggacgatg ccacggatga ctgggggatc aaggtggagc gggtggagat 60

taaggacgtg aagctgccag tgcagctcca gagagccatg gctgcagagg cangaagccg 120

nccgggaggc tagggccaag gtgattgcag ctgaagggga aatgaatgcg tccagagctc 180

tgnaaagaag cgtccatggt tatcaccgag tctcctgccg cccttcagct tcgatacctt 240

caaaccctga ccactatcgc tgcagagaaa aactccacca ttgtcttccc tctgcccgtc 300

gacatgttgc agggcatcat gggttctaat cactgagctg tccaggtcta tggagagctg 360

tgctgaatcc ttcccagggt aaagtgggga caaagttagc ctttaactca cagggagatt 420

agccagaaac ttgact 436

<210> 170
<211> 588
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<400> 170
taccgtgttc agaacgcaac cctggctgtg gccaatatca ccaatgcaga ttcagcaacc 60

cgtcttttgg cacaaactac cctcaggaat gcgctgggca ccaagaacct gtctcaaatc 120

ctctctgaca gagaagagat tgcacaccac atgcagagta cgctggacga tgccacggat 180

gactggggga tcaaggtgga gcgggtggag attaaggacg tgaagctgcc agtgcagctc 240

cagagagcca tggctgcaga ggcangaagc cgnccgggag gctagggcca aggtgattgc 300

agctgaaggg gaaatgaatg cgtccagagc tctgnaaaga agcgtccatg gttatcaccg 360

agtctcctgc cgcccttcag cttcgatacc ttcaaaccct gaccactatc gctgcagaga 420

aaaactccac cattgtcttc cctctgcccg tcgacatgtt gcagggcatc atgggttcta 480

atcactgagc tgtccaggtc tatggagagc tgtgctgaat ccttcccagg gtaaagtggg 540

gacaaagtta gcctttaact cacagggaga ttagccagaa acttgact 588

<210> 171
<211> 374
<212> DNA
<213> Mus musculus

<400> 171
ggcgattatt gacatcctta ctcattacga tgcaaaaaag aaagctgccc acgctgcaaa 60

aactgttaaa catggcgctg gagctgagat ctcgactgtg aacccagagc agtattccaa 120

gcgctttttg gactttattg ggcacatctt gtaaccttct gcacagcccc ggatgggcat 180

gaactcggga aggctggtgg tggcttcagg gtaggaagaa aaggaaaacc gaaccccagg 240

aagcgctcac cttgcaggaa gcaagccttg tttacatctt caagctgaca tgactgaagt 300

tgggggctac tcgctttaac agctacctga tatttcccag catcgctatt tctgactctg 360

tacgtgtgca caca 374

<210> 172
<211> 315
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<400> 172
ggagcatatc tataccttca ctgcctcctt tacacagaag atctttccct tgtttggact 60

ctggggcaga gggtccagtt tttccctgag ctgtcaggaa ggtgcagttt ccctcctctg 120

agtatgagac tggaatcaag cnccccttggg agcagaccct cggctgggtc accaagcaca 180

aagtgaattt tttagacatt gtttggcatg tgtcagtaag ggacaaagtg gtaggacctt 240

tagtttcttc attgttcaag cctttcccca gtgcccatca gatactcggg tatctgggac 300

cttggctgcg ctggc 315

<210> 173
<211> 563
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (519)..(519)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (524)..(524)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (533)..(533)
<223> n is a, c, g, or t

<400> 173
tcacaacctg gttccattgt ttttttctgg tttgtttgtg ttttttcttg taacattttt 60

ctaccccaaa ctgattagta tctgtgatta atgtttcttt gaaggaagaa aataatagaa 120

aaggtgtttg tggagtacat gagtaatgcc agcattccat tggtagagtc aggaagatca 180

gaagctcaag gttatactca gctatatata agtttgtgac cagtctgaac tacaggggac 240

attgcatcaa aanaaaagaa aaagaaaaaa ctgatatata ttttttttaa tttcttgaga 300

caggtttcac tcactatgca gttctagctg gcctagaact caagggtcca tcagcttggc 360

ttctgcctct ttgagagcta ggatcaaatg tgtgtcctac catgcctggc aaagactctg 420

taagtcaatt tatttccttg cctaattaaa ttaattttgg cctggtactt aatagtgaat 480

taaggacctt tttagagtca ttttgtctat ccaataatna aaantctcgt tcnttatttg 540

gtctatggtt cccaaatgtt aat 563

<210> 174
<211> 516
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<400> 174
gaatcattct gctgctcgtt gccgggctgg tgctcacagt catcgtggtt gttggagcca 60

tccttctcat cccaggagaa aagcccgtga agaatgcttc tggacttggc ctcattgtna 120

tctctacggg gatattaata ctacttcagt acaatgtgtt tatgacagct tttggaatga 180

cctctttcac cattgccata ttgatcactc aagtgctggg ctacgtcctt gctttggtcg 240

ggctgtgtct ctgcatcatg gcatgtgagc cagtgcacgg ccccctttg atttcaggtt 300

tggggatcat agctctagca gaactacttg gattagttta tatgaagttt gtcgcttcca 360

accagaggac tatccaacct cctaggaata ggtgaaggga agtgacngac tgtaacttgg 420

aagtcagaaa tggaagaata cagttgtcta agcaccaggt cttcacgact cacagctgga 480

aggaacagac aacagtaact gacttccatc caggaa 516

<210> 175
<211> 499
<212> DNA
<213> Mus musculus

<400> 175
agggccacgc catttggtga agccaggcta gagatcctgc agcttctgaa aggcaagctg 60

gtggtgggcc atgacctgaa gcacgacttc aatgccctga aggaggatat gagcaagtac 120

accatctatg acacgtccac agacaggctg ctgtggcatg aggccaagct gcagtactac 180

agccgagtgt ccctgaggct gctgtgtaag cgcctgctac acaagaacat ccagaacaac 240

tggcggggcc actgctctgt ggaagatgcc agggccacaa tggagctcta caaaatctct 300

cagcgactca gagcccagcg agggctgcct tgccctggga cgtcagactg aacttcatcc 360

tcatccaggg ttagaagctg ccactcctca agttctccat gaatgagacc tgtttctaac 420

aaccactgcc accaaccacc gcaatgtgta aaaccaagaa cactccccca ttacagcaac 480

tctcttgctt tgaggcaaa 499

<210> 176
<211> 218
<212> DNA
<213> Mus musculus

<400> 176
taatctcccg gaacggtgat ggcatccgaa tggaaataac tgaaccaaat tgcactgaag 60

ttttgaaata cctttgtagt tactcaagca gtcactcccc acgctgatgc aaggattaca 120

gaaactgatg tcaaggggcc gagttcaact gcacgagggc tcagagatga ctttgcagag 180

ggagagagag gtgagcctga agaaggaagc tgcgagaa 218

<210> 177
<211> 491
<212> DNA
<213> Mus musculus

<400> 177
caacaatagc ctgcgttcag tgccaccagg tgccttcgac cacttgcctc agctgtggga 60

cctggatgtg acacacaacc cctggcactg tgactgcagc ctcacctacc tgcgcctctg 120

gctggaggac cacatgcccg aggccctaat gcatgtgtac tgtgccagcc ctgacttggc 180

caccaggcgc ccgctgggcc agctgacagg ttatgagctg ggcagctgtg gctggaagct 240

gccaccatcc tgggcctatc caggggtgtg gtgggatgtg tcactagtgg ctgtggctgt 300

gctgggcctg attctgctgg ctggtctatt gaacacattt acagagtcca ggaactgagc 360

ctagcccata aaaccaggga gagcccaggt ccccagaagc atcagcccca gtcagcccat 420

gccatcaaaa gcccacaggg ggcaggctga ggccgcctca tgggcaaaga cacttgctgt 480

ccagtctaaa g 491

<210> 178
<211> 462
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (253)..(256)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(307)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<400> 178
tctattacct acaatctcac tactccagag ataacactgt taaatgtttt tctgtattta 60

cttgtagtcc ttgtgttttt tatgagtgtg tatgtgtgtg tgtgtgtgtg tgcaacaaca 120

gaattgagat tatagtgccc atacatttgc gttatgccct gttatcctaa gtatctacta 180

cctgtgtctc tgaaagcact attttaaaaa tgcctgccta atatgctata ctgtatgaaa 240

atagttctct ctnnnnannn nnngnngntt nnaatnttcc tcannnnnat aanggnacgg 300

acattnngtg naaantngac ccagtctnta ggatanaatc atgaaaatna aataaatggt 360

tnacatgana attttgtagg ccctttaaaa gtatgccaaa ttanattttc aatagattgn 420

atcaaattaa cagcaccccc acatcagcat cgtttctttt aa 462

<210> 179
<211> 580
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<400> 179
acaaacctta ggagacgatc acgatcattt acttacaatg atttccaaga tgtaaagtca 60

gatgttgcca tttggttatg agtaaaagtc atttgtcttc ttttgatagt gtatgtgtat 120

atctaaaata tatactaata ctaatgtgta cttctaaaat atagcttgtg tataagaaga 180

gatgatttca tttttaaaat acaccatgca aatacatatt aaatgtaaga acttttata 240

ttatactaaa ataattcatc atctatcttc cgaaatattt tatgaanatc tatctgatat 300

tctattctaa taaaattctt tatttctaca ataacagtca gtaagaagaa gctttgtaaa 360

ttgttaaagt aaaatgaaaa ctttgtagta atgtcacatc tagtttggat tatatttcta 420

agcaaagcaa tgtatttaga taactgtata tacagatgat attttacata atgatggatt 480

gaggcttata gaaatgaccc atttttatg ctgtggaagc atggacattt gttgttgcat 540

actaattctg actacagatt atctgtttat cacttcccac 580

<210> 180
<211> 516
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
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<222> (164)..(164)
<223> n is a, c, g, or t

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<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (466)..(466)
<223> n is a, c, g, or t

<400> 180
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attccccatt agatagagca acaattttgt tcacaggagt gtggtcatgt ttcatttctc 120

cacatatcca tggantagat catctctccc antaaatgna cgantcattg aaacaacacc 180

aaccagtgct tgaacgatga agatggcata ctttcacaca agcatttatg tctcatattt 240

ggaattttan agttggtata gaagttcaaa ctgagaggtg gtgnaaatct atatccacaa 300

atttgacaac tttgacatca gcacaccctt ttctctcatt atgttctttc aattcttncc 360

tagtactata ttatacagta agattatact aataaatatt tatctctata ttacagaaat 420

gcttagtttc natntgntac atggtatata aatataaatg tntgtnttaa agatgacatg 480

ctttcagatt agtaaatgct cttaatttca tagaag 516

<210> 181
<211> 512
<212> DNA
<213> Mus musculus

<400> 181
acaggtttta gggtatcact tcaatttacc aagcatgtag ttctagcgca ctagcatggc 60

accagccatg tatttacaat gtagttacag agtaattaca tggttatttt tgcaatgtaa 120

aataaagtgt ttctgattat tttctatgta aaggaccccc caccctaccc gtgccccctg 180

gctttggtat aatatattta cttctccata cacagacctc tgcagaatgc aacataaaac 240

ttgcagtgaa tgaacttagc attttatgag agtgctgttg gaaagacttg ataattcacc 300

ccttttttgtt ttgaagagtt gaatcttctg ttaaaaggtg atttaaaact tgaatgtgat 360

gaattgtggc aagctcactc cagttatgtg caatacttat ctcacacttt ggaagatctt 420

tgcagtgtaa ttctttgttt ttaattgcag acattaaaaa atgtcatttt ctactgttaa 480

gagtaatcct ctttcttgct ggtgtttcta aa 512

<210> 182
<211> 350
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<400> 182
gggacaatat tgtattcaac tgttttatnt tttatatttt taaaanttta aagtataatt 60

agtttttata atttcatcag atttttgtta tatttttttg gaagtgaaac ttttagcaag 120

tgggtgtcta gtttttacta atccctaatt tttccagtgt attgctcata ttatcagaag 180

ggaacgttat ttaagtgcgt cagttaattg tactacttgg ctgaatttcc atatagtttt 240

tactgtgtat ggggaggttg tagtatttat tcnagcattt taaataaggg taattcattt 300

tttattaaan tcattttcac gttaagttcc tatttttgta tgttctactc 350

<210> 183
<211> 482
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (456)..(456)
<223> n is a, c, g, or t

<400> 183
gttatctgca gcatttccac caggaccgtc gtgggggcag cctggacata aacgatggac 60

actgcggcct tggaagtgag gtgaacgcca cgctgatgca ccggagacac accgaccccg 120

tacaactcca ggcagcaggg cgggtgcgtt gggccagggc actgtatgac tttgaggctc 180

tggaagagga cgagctggga ttccgaagcg gagaagtggt tgaagtcctg gacagctcca 240

acccatcttg gtggaccggc cgtctgcaca acaaactggg tctcttccct gccaactatg 300

tggcccccat gatgcgatga gtcgtactgc aaggcttagg ggcttttcgt ccaaagccgc 360

ctgcaagaca gagaggggcg agggggtaaa gctgaacttt ataatgacac atacatgcat 420

acatgtgcat gtgtgcccga gtacacaaaa catgtntatg tatgccgatg gctacacacg 480

ac 482

<210> 184
<211> 203
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t

<400> 184
gacttggttc tgagcatata cccacctgtg tgccacctca ctgtgcggat cagttctgcg 60

aaattggtgt ctgttttaat aaaggctctt gaaattacaa aagcaagtca cgtgagcccc 120

cacccaggag atagctggat tcctttactc attaatgccg ttgaccattg catgaacnga 180

attaaggcgc tcactcagcg tgc 203

<210> 185
<211> 413
<212> DNA
<213> Mus musculus

<400> 185
aaggctatgg ctcctgctag aattgctgat tccttccacg tcataaagaa tagttccttg 60

tcagagtggc ttatggggcc tacgtgcaaa ggaggcccta aggacgtgcc taatacagag 120

gagagagctg gcaaagagat gcttcaaagc tccatggcca cttcctggtg tccctttaac 180

actgccgact gggttttacc aggaaagaaa gtgggaagcc tcagccagtt cccctctgga 240

gaagataagt ggctacttcg aaagaaggca caggaagcat ttcttaattc acccctacaa 300

gaagaacgta actttcgccc cgactgttac ggcctcccag cagtttgtga tctctttgcc 360

tgtatgcagc ttaaggttga taaagaaaaa tggctgtaca gaactcctct aca 413

<210> 186
<211> 223
<212> DNA
<213> Mus musculus

<400> 186
gcatcctgaa cctcctaaag tacagtgcag tgacatcttg attaccaggc tgtgctcaac 60

actgtgcctt ggagtgtctc accgagactt cacagaactg atatccttga gttctgtatt 120

ctagaaagct tctctaagga tttatctttt acagttccca aggataaatt agttgctttc 180

tattctttga actattaata ttaagcctct gaaatgccta tgc 223

<210> 187
<211> 587
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<400> 187
acgggactct cagccgggaa gatttccaga ggattccaga acttgccatc aacccactgg 60

gggaccggat catcaatgcc ttcttctcag agggagagga tcaggtaaac ttccgaggat 120

tcatgagaac attggctcat ttccgaccca ttgaggataa cgaaaagagc aaagatgtga 180

atggcccgga acccctcaac agccggagca acaagctgca ctttgctttc agactctatg 240

atttggataa agatgacaag atctcccgtg atgagctgtt acaggtactg cgaatgatgg 300

ttggagtgaa tatctcggat gagcagctgg gcagtattgc ggacaggacc atccaggagg 360

ctgaccaaga tggagatagt gccatatctt ttacagaatt cgttaaggtt ttggangaaa 420

gtggatgtag aacagaagat gagcatccga tttcttcact aaagggcaga gaccaaatta 480

ttcttgcttt ctagtattta agaactgaaa cttgtgtcct ccagccccac cccatcctgt 540

catccccttt tcccagaata ctacagctct tgcatgacaa cctgaag 587

<210> 188
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<400> 188
ttcgttgctt tggaaggcta tccaaggtgt gtaaacaatt ctttagtaaa taaattgcta 60

ttaacccaaa caaacaaaaa cactgcaaag aggatgggta aaggtgagca acaggggaat 120

ggctgggata gatggctggg gctacatgaa ctggggattc tttacgaaat atctgttaga 180

ctttgtgatc aaatgatgtg ataaaagaat tgtataaagg gaataattgt ctgatactga 240

tctgtttgag aagtattgag aagcttctca atttaaatat ttaaactttc taagcttatg 300

ccccccttggc tgtgtatagc aaactgtttt tatccacagt tgtnccttat tgtcccatta 360

aagttgtatt cct 373

<210> 189
<211> 161
<212> DNA
<213> Mus musculus

<400> 189
gggccaagga ttggtggcac caactgaggt gacatttaga ggtctttgag tgacccagct 60

caacttctct gccaatgtca gcttgattta gatctcactg aatcaggctg cttctgtcct 120

gtgtccctgt gaatctgctc ttggctggct ttctctgatg t 161

<210> 190
<211> 279
<212> DNA
<213> Mus musculus

<400> 190
gaataggact gaggccccag aagaaactga agcagagagg gagaccccca gtgccatcaa 60

tggcaaccca tcctggcacc tggcggatag cccggccgtg aatggagcca ctggccacag 120

cagcagtttg gatgcgcggg aggtgattcc catggcagca gtgaagcaag cgctgagaga 180

ggcaggcgat gagtttgaac tgcggtaccg gagagcgttc agtgatctaa catcccagct 240

tcacataacc ccagggaccg cgtatcagag ctttgagca 279

<210> 191
<211> 299
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<400> 191
gccaccattg ctaccaggag aaccactaca tgcaactcac gccccttgcc ctatcacagg 60

gttgggccta gacggagtcc cctgcaantt agctttctag gatctaccac acttctgtga 120

aagccacctt ccccccacat ctcagttctc ttggcctcaa aactcacaag gttttcccct 180

aaaccagctc cttggaggct ggcaggagca gagaggggtg tgtgagggag gagagcctgt 240

cttgttggtg ggaccctaat tacccctgag cctnctcggg aatgcttttc cagcaggga 299

<210> 192
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (167)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(176)
<223> n is a, c, g, or t

<400> 192
tcagaatggc ctggctagga gcccttcagg cctctctctc ctctgtccac ccttggcctg 60

tctcatccct gtgggtccca gctcagctct ggccaccccg ggctctctgc tgtacatatt 120

cgagactagt ttttattcct tgtgaagatg atatactatt tttnttnnnn nannnncgtg 180

tctgtattta tgtgtgagga gctgctggct tgctgtgcgc gtgcccgtgg agagctggtg 240

cccagagact gacagcctga tgctccctcc ctgcccttgc ctggggaagc ccaccagggg 300

ttctggcttc tgaggggcac ctgtccctcc tctcccctca ccctacactt gttccagctc 360

tttgaaatag tttgtgtgaa ggtgaaagtg cagttcagta at 402

<210> 193
<211> 286
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (158)..(162)
<223> n is a, c, g, or t

<400> 193
ttggatccag tttcatattg cacatgcagg aacattatat aaatgagtgc cttttattct 60

cacacaatga gtcatggcat ggtcccattg taggcctgtt aacttcatga agttgacggt 120

agcctttaaa agatacacac acacacacac acacacannn nntgaaatag gagatttcct 180

caaagttttg gggaaacttt tacagtgtat catgtgaatt cagatttacc tcaatactaa 240

gaattatgtt tagatatgaa aaaaacttgt tttgatctca ggtaga 286

<210> 194
<211> 497
<212> DNA
<213> Mus musculus

<400> 194
ggtggctttc aagatcaact ctgtcattaa tcgcttcaac gtggacgaag acatgaatga 60

acacatcaag gccctgagcc ctgtgcgctg gaaggttttc cagtgcctcc taattgaggg 120

tgagaactca ggagaagatg ccctgaggga agcagaaaga tttcttataa gcaatgaaga 180

atttgaaaca ttcttggagc gtcacaaaga ggtgtcctgt ttggtgcctg aatctaacca 240

gaagatgaaa gactcctacc ttatcctaga tgaatatatg cgctttctga actgtaccgg 300

tggccggaag gacccttcca agtctattct ggatgttggc gtggaagaag caataaagtt 360

cagtggattt gatgagaaga tgtttctgaa gcgtggcgga aagtatgtgt ggagtaaagc 420

tgacctgaag ctggactggt gaggctgaga tgggaaggaa actccgacca gctacaggga 480

cattcacgcc cagctat 497

<210> 195
<211> 557
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<400> 195
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cttcacaaaa cacaccctcc aattactgct gactattcta atgcttttct gctttggaat 120

attggacttt ttactcaaaa gtgtagaatc aaggcatatc tcatagagcc ttaagttaga 180

atcttactct tatggaagga gttatttcct agaacaggct gtttgttcat ggtcccagcc 240

tctgatgctg ctgcttcaag atggctgctt tatactgcag caattccttc agggttcttg 300

acaaagccaa ggtacacttt acctcccagg gtgtggccat gaggatgcca cttctgcagc 360

tgcaactgcc cnggcattga ggctgcttga gtctctcatn ctgaaaggtt gtcacacttt 420

tctgaaaagc tccaaggcca tgtggcacgt ccagaagagt cgtgggggga tagacaggaa 480

ggagtctttc aggaatataa aatgtggcag ctggcttggt ataaatgtgc ctgtggttcc 540

ttagcatatc tttcaag 557

<210> 196
<211> 544
<212> DNA
<213> Mus musculus

<400> 196
gggatcatgt cggtcacaca gcaaaagtat ctactggcgg agaaggaaaa tctctcagcg 60

actctgcaac aattggccaa gaaattctgc caagagttga ttagacaatc agaaattaag 120

acaaagagca cttttgagca caagtgcagc ccctgcgcca cgaagtggag ataccatgga 180

gatagttgct acgggttctt caggcgtaac ctaacatggg aagagagcaa gcagtattgc 240

actgagcaga atgcaacact tgtgaagact gccagccaga gcaccctgga ctacattgca 300

gaaaggatta cttcagtccg ttggattgga ttatcacgcc agaactctaa gaaagactgg 360

atgtgggagg atagctcagt tcttcgcaag aacgggatta atctttctgg gaatacagaa 420

gaaaacatga attgtgctta tcttcataat ggaaaaatcc atccagcttc ctgtaaagag 480

agacattact taatatgtga gagaaatgct ggcatgacaa gagtggacca actgctttaa 540

tgca 544

<210> 197
<211> 461
<212> DNA
<213> Mus musculus

<400> 197
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tctaaacact caactcatac tgaatgcaga gtgacacctt gagtcacact gagagctgag 120

tcacacctgt gtctcttttc ctcaaacatc ctttccctca gcctctgttt tcatcattct 180

gtgagtcacc gaatctcaaa gagcagaccc cagactgtca gattccccac ctctccagaa 240

acctcttaga atggaaaact aacccaagcc agacatttca ccgagactca gcggtcctgg 300

acttaacaag cctttcacat cattctgcat gctcctgttt gaaaacaact actatctggc 360

ccatgcagca ggccaaatca tcttgtgttc ccgccctctc ccttcatcca tgttagactc 420

ccgtggacgt aaatctatct cccttgtcta atcagactcg a 461

<210> 198
<211> 517
<212> DNA
<213> Mus musculus

<400> 198
ttttctgcca tgcaggcaag accatcagca ccgagaaccc caaacctgtt ttgtacttag 60

agactggctt tggtcagtag ttcactgtgg agacaatgac agtattctct gtgccagtgt 120

cgctgatgga gctccccctc cccacagggc tgccattacc agaccacggc cctgcagggc 180

cctgggctcc tgtctgctga tgctgcccgc ctcacctgca gaggtgccca tcagggcgag 240

ttctcaggtg tctgttgctg tgccatgggg gccttcttcc tggccctgtg cccctcaagc 300

aggctctgcc cacccaccct cccgttgtca cctgtgccag tctgacctag ctgcacagag 360

agaaggtcca gcccacgtct aggaggggag gagtgggtat ctctggcagc atgggctgcc 420

cgcaggctgg gcagtgggtc cctccacacc tacctcaggg agccagtgtg cgggcgggaa 480

ctccacagca tgcctgttag tcaaggcctg gaggaca 517

<210> 199
<211> 396
<212> DNA
<213> Mus musculus

<400> 199
acttgacagg gcgattgact cacaaagagt tccgctcttg cctgagagga ctcaattact 60

atctgcctat ggtagaggaa ggtgaacctg agcccaagtt tgagaaattc ctgaatgctg 120

tggatccagg gaggaaagga tatgtttcac tggaagacta tacatcattc ctgattgaca 180

aggagtcaga gaatatcaag accagcgatg acatagagag tgcattccaa gctctggcag 240

aaggcaaggc ctatattacc aaggaggaca tgaaacaggc tctcaccccg gaacaagtgt 300

cattctgtac catacatatg cagcaatata tggatccacg gggtcggagc caacctgctg 360

gctacgacta tgttggcttc accaattcat tctttg 396

<210> 200
<211> 355
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<400> 200
aaatgcttgt tttcttcttg tcctgttttg atatttcacc attaaagtga atgactttgg 60

catgtcaggg tcctctcatg ttccctaaat ctctgaatac tctcttacat tttaatatga 120

tacaactgat gttttattca tttctatctt ctcagaagcc agtaaaatgt tcataattta 180

aggaaaaaac caagaagcta tggtggtact atatctaggt gttttcagta caggtatgtt 240

tcttaggtaa ctttgttngc cttttgtgaa atttagcctt tcgtacagat agcctattgc 300

tcatgaatat cactccttat ttactatctt aagtctcagt tttttcgctt gagta 355

<210> 201
<211> 467
<212> DNA
<213> Mus musculus

<400> 201
aaggcatgct gcagcttata ccacacaccc tagcactctg gtgcatcagg ttcctgtcag 60

tgtcgggccc agcctcctca cttctgccag tgtggcccct gctcagtacc aacaccagtt 120

tgccactcag tcctacatcg ggtcttcccg aggctcaaca atttacactg gatacccgct 180

gagtcctacc aagatcagtc agtattctta cttgtagttg atgagcacga ggagggctcc 240

gtggctgcct gctagtagcc ctgagttctt aatgggctct ggagagcacc tccattatct 300

cctcttgaaa gttcctagcc agcagcgcgt tctgcggggc ccactgaagc agaaggcttt 360

tcccctgggga acagctctcg gtgttgactg cattgttgca gtctcccaag tctgccctgt 420

ttttttaatt ctttattctt gtgacagcat ttttggacgt tggaaga 467

<210> 202
<211> 440
<212> DNA
<213> Mus musculus

<400> 202
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tcctgtcgtt cacacctgct agctgtgcaa acttaggcaa atagcctttg agccttttcc 120

ctctcatcta cgaagtgtgg ataataacag aaccccatag agcagtgtga acaattgaga 180

acacactggc tgggacagtc aatgcttaaa atgccccaat taatgtccta agtatttctt 240

ctcttcctat tctggccttt gttacatgat gaccatcaga aagttcttat ctccagccca 300

gacttctata gatagatccc acagtgtttt ctgtggattt taacatttgt ttcttgctcc 360

tggatagtga gttgaaaggc aagggttagg atctgtcctt acccccccacc cccaccccag 420

catcttcaat actatttcac 440

<210> 203
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (417)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<400> 203
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cgaagacacc agtgggaggg cagtcctcta tgtggtggaa gagcctgagt gtcccaaggg 120

tcctgatatc ctggtggtac tgctgtcagt gatgggggcc atcctgctca ttggccttgc 180

tactctgctc atctggaagc tactcatcac cattcatgac cggaaggaat ttgctaaatt 240

tgaggaagaa cgagccagag ctaagtggga cacagcaaac aacccgctgt ataaagaggc 300

cacctccacc ttcaccaata tcaccnannn ggnnannnnn ngnnncnnct tcngatgacg 360

ccaggaccgt gggactctct gccattatgt ttacagagga canttntgtg tgtgtgnntg 420

tatgggtggg atttggggcg tgggnttggg ctgggctgga agaatgtcag tatgtgggaa 480

tgtatctctc tgtgtgta 498

<210> 204
<211> 280
<212> DNA
<213> Mus musculus

<400> 204
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agcagtatct ctaggacctt caacctatca tcgcaagcat gcaagcagga atcctcctca 120

gaatcgagtc catggatgca atatactctt gtaccactgg gggtcgttat aatcttcatc 180

ctggttttca cggcaataat aatgatgaaa agacaaggta aatcaaatca ctgccagcca 240

ccagtggaag aaaaaagcct tactatttat gcccaagtac 280

<210> 205
<211> 356

<212> DNA
<213> Mus musculus

<400> 205
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aatccccgga tacccaaagg aagcgcagga tacacagatg cgactatgat gggtgcaata 120

aggtctacac taagagctcg cacttgaaag cacacagaag aactcataca ggagaaaagc 180

cgtacaaatg cacctgggaa ggctgcacgt ggaagttcgc tcggtctgat gaactgacga 240

gacatttccg aaaacacact gggatcaaac ctttccagtg tccagactgt gaccgaagct 300

tctctcgctc tgaccacctt gccctacaca ggaaacgcca catgctagtc tgaaaa 356

<210> 206
<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<400> 206
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aaagtcaagt tgaaattcaa atattaatat ttctgatttg ttgagctttg aattatgcca 120

ccatgcttat ataaaaacga aggtggcacc atgatgaaac ttaaagaaac agtttctcat 180

ctgtaacagt tttgattctc tttcctgtga cctctttccc cactgtctgg aaccatagca 240

aaaggatact gcatctcttg ttantgtagt gctgaggtta ttgaagttac agaaacacat 300

ctggtgtgtt tcctagaaaa gtacctgttc agtcttgcta ggtgactgac aggagaggca 360

aatgtgttat gttttgcaca ccaatgcagc agggtttgta taaccacatg acttcatagt 420

tgtgatctca aaggaacttc tcctttattt tttcttgcaa ttaatgtaag aatactctaa 480

atctctgcac ttctgaagga 500

<210> 207
<211> 379
<212> DNA
<213> Mus musculus

<400> 207
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tgctttccta cacagtatga gggctattga catccataac actttgatcc caagtaagta 120

tagtgtgtct acaatgacaa tataagggag acttgatcaa tgctagagag tactacccat 180

tcaaaactgt aagctaaggt aatttttata ttatgtaaca gttttccaaa gcacctccga 240

acaggaagag taacataaat ataaatctgc attatttgaa aagagttgta agctttttta 300

ttcatgataa aatttacata ggacagatat aatctctgga aagccattgg tactgactgt 360

ggtaaaagta cttggtgat 379

<210> 208
<211> 454
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<400> 208
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tgggcccaga ctgcaccagg cacacaacac tcggtttgct caacaaagcc aaagcacaca 120

tcaagaaact tgaagaagcn gagaggaaga gccagcacca gctagagaac ttggaacgag 180

aacagaggtt tttaaagcgg cgactggaac agctgcaggg gcctcaggag atggagcnga 240

tancgaatgg acagcattgg atcaaccatc tcttcagatc gctcngattc agagcgagag 300

gagattgaag tggangtgga aagcacagag ttctcccatg gagaagcaga cagtgtcagt 360

accaccagca tcagtgacct tgacgaccac agcagcctgc agagtgtcgg gagtgacgag 420

ggttattcca gtgccagtgt caaactctcc ttcg 454

<210> 209
<211> 585
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<400> 209
cagcgctggc aatgcacctt ctaaaaacaa gggctagaga aacccccccac ccctgccggg 60

atcgcctttc ctcgccttcc ttgcctctct tcttgcatag tgtggacttg taaagcctga 120

gacctgcctc aagaaaatgc agttttcnaa cccagagtca gcactcggcc tttaacgaat 180

gagaatgcat cttccaagac catgaagagt tccttgggtt tgcttttggg aaagccaaag 240

cgcctattta cttcccacta ggaaggtgcc cgctccactc tgccttactc acagagccag 300

aacttcttcg aggccacctc tgagcagcac acacagaagc attttcaggc atgtcaaaga 360

aaggaaaaan tgactcacta gaactcaccg ccaaacaacc tctgacatag gtcctgagat 420

gtggggaggc aggagccaaa gctctaggga gggcatgtac ccaagagatg actgtatgaa 480

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<210> 210
<211> 524
<212> DNA
<213> Mus musculus

<220>
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<222> (133)..(140)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttttctttct ttnnnnnnnn ctttcttnct tnctttttct ctcagttacc atggattttt 180

ccaaatctct tttggttttt gtttaacaaa tgctttaaca atgtaatata tttattttgt 240

tcccctattc tggagggttc gtcggaagga ttgttactga aacaggaagc gtgggactat 300

ctgaatcatc ttcgtagtga gtctttatga ctgtaagatt gtaaatacag attatttatt 360

aaccctgttc tacctggaat tagactgcat atagcaaatg tttgcaagca ggtagctgag 420

gcggatcagc aaatctctcc aaaaccagtg tgtggaaagg cagcagaggc agctgcttnn 480

tcatctgggg ctcacagtga atgatttgga ctcctttggc ttcc 524

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<211> 494
<212> DNA
<213> Mus musculus

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atccagcgtc cgtccgtcct accttcccat ccagagtttg tttcccatga gggtgcttag 120

cgccagccaa ccattcccat gtgtcgcata tgcacacatg accacacaca ccagagcagg 180

actcctcgga tgaggctaga cttgaggacc acaggaaaca cacccctgca cttagaaggg 240

ctttgggatc gggggcaacc tggtgggggc aagtgggagc tctccatctg tactgagtct 300

ccaaccttgc ccctcactgc acaagaccac cctgaccgtg aggacctcct ccctgcacca 360

gatcctaact ctgacctttc accttctctc tctcctgaag gaactcttct gagtggacat 420

gggcccaagg ccttacctaa gcggagaggg agggcagggg ctgctactct tctctgtaac 480

cttctctgat gggt 494

<210> 212
<211> 469
<212> DNA
<213> Mus musculus

<400> 212
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tcaccctggc ctttacagtg taaaaacacc atgggacttt agagcaggga aggataagga 120

acagtgtcac ttctagagcc ttctgctggt agacgctcct actgatagag gaggtaaaga 180

ctactgacct cccggctagg cctggcttaa gccaggcgtg cctgcgtcac aacctttgc 240

ggtgtcttag caacctgaac ctgagatctt attcccgaat cccacagggc ccaatgtgca 300

gggctcagcc tggggccatc tccctttca cctgggttgg tgagcatgta tttggagtgg 360

tttcttcctg catgtattag ccaaggaagg acaagggact agagggtctg agttaggtcc 420

agacttgtcc cctttcccca gcccatcaca ggatgctggg tgcacaccc 469

<210> 213
<211> 539
<212> DNA
<213> Mus musculus

<400> 213
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tataaatttg acaacatcct gaaaaatcta aaagtgcaat ttttttcttt aaagaatttt 120

ctctggcacc acagatcctg tagataccta tttatattta tacatatata tttatgaaat 180

aattcttatt cacaaaatat atttctgaat agcctaaaaa ttaagatact aaatctgatg 240

cttaaatttt ctttaatttg gctattactg ttttttgttt aaaacttaaa acttgctttt 300

taaattgtgt atagatttta atctaatagt tgctggtata gatttggact gtgtgtgtgt 360

gctcttaaga aaacagtttt gaatgtctaa acatttgatt taaagttccc tgtttatctt 420

tttgaccaaa ggagcaagag atataatgga tatggcattc attaaaatca ttaatatata 480

ggaaaaataa tatttatagc atcagcaaat atttttaagt ggtatatgat cttggacaa 539

<210> 214
<211> 509
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (162)..(163)
<223> n is a, c, g, or t

<400> 214
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gacccccagg gctagaggga aggcctgact caggagcctc tgggagcccc atcctcacta 120

ctgtgaaccc cagagcctcg ctggtcagca cttgctgctg gnnaatggac cagtcaccga 180

gctttgctgt ttgatccttc tctgcccttc cctgttttcc tttctatatc tggcccagaa 240

gacctcttgt atgtgtggtt tttctgtgtt gtactagtga cttgagtcta ggccctttgt 300

tgcatggtca tggatgcaca gtgccttata tacatgtatg cacacaaacc gggtccaagt 360

attttggtaa gcatgatggc ctatggcagg agtgtgtgtg tgcgcgtgtg aacaaagtca 420

ttacacttag tgtttggaaa tgttaaagaa gcattgttat tatggggagg ggggagcaac 480

ctctgggttc agaatctaca tatgctgga 509

<210> 215
<211> 375
<212> DNA
<213> Mus musculus

<400> 215
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ctgagcttgg gatttggagt ccttgagcca cctgactatg tgtggctttg gctagctaat 120

taaccctgtc aaaccttgga ttccctatta acaaagtaag gctaatatca atgttacagg 180

attgttatat tagatgaaaa tactgtatgt gaaatatctg acagactctg gaacatttgt 240

gtttaggtaa aggctagctt catgttcctg gaagagaact gagttatctg ggtatattca 300

tgtatatgta tgatatgtat gtgtgcatta tatatggtag tgtatgccat ataggtgcca 360

tagcagatct ttgtg 375

<210> 216
<211> 528
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<400> 216
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gactaactcc atgatggtgt cagaactgaa gaagcagatt gcccagaaga ttggtgtgcc 120

ggctttccag cagcgcctgg cccaccaaaa tgaagtgctc caggacagtc ttacccttc 180

caggctgggt ctgggtccca gcaacacagt catgctagtg gtacagaact gcagtgaccc 240

tctgagcatc ctggtgagga acaaaagggg ccacagcaac atatatgagg tctttctgac 300

acagactgta gacatgctta agaagaaggt gtcccagcgg gaacaagtcc atgaagacca 360

attctggctg agcttcgagt gaaggcccat ggaggacaaa gagctgctgg gggagtatgg 420

cctaaagtcc cagtgcacag ngatcaagca tttgcgcctg aggggtgggg aggggaccaa 480

tatgcctaag gcccccatcc agagccagtg ttggttataa aagatgat 528

<210> 217
<211> 439
<212> DNA
<213> Mus musculus

<400> 217
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gtgactaact ccatgatggt gtcagaactg aagaagcaga ttgcccagaa gattggtgtg 120

ccggctttcc agcagcgcct ggcccaccaa aatgaagtgc tccaggacag tcttaccctt 180

tccaggctgg gtctgggtcc cagcaacaca gtcatgctag tggtacagaa ctgcagtgac 240

cctctgagca tcctggtgag gaacaaaagg ggccacagca acatatatga ggtctttctg 300

acacagactg tagacatgct taagaagaag gtgtcccagc gggaacaagt ccatgaagac 360

caattctggc tgagcttcga gtgaaggccc atggaggaca aagagctgct gggggagtat 420

ggcctaaagt cccagtgca 439

<210> 218
<211> 561
<212> DNA
<213> Mus musculus

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<222> (75)..(75)
<223> n is a, c, g, or t

<220>
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<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<400> 218
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cccattcacc ttccngagca tgtcaccgtg caggtggtgg tcgttcggaa gcgagaaggc 120

ttgctgcact ccagccacat ctcagaggag ctgaccacga ccacagagat catgatgggc 180

cnggtttgan cgggacgcct tcgatactct tttcgaccac gccccggaca agctcaacct 240

tgtgaagaag tctctcatca cgtttgtgaa caaacacctg aataagctaa acttggaggt 300

gactgacctg gagacccagt ttgcagatgg tgtgtaccta gttctacttc tgggccttct 360

tgaagactac tttgtccccc ttcacaactt ctacctgact cctgacagct ttgaccagaa 420

ggtgcacaac gtggcctttg cctttgaact gatgctggat ggaggcctca agaagcccaa 480

ggcacgccct gaagatgtgg tgaacttgga cctcaagtcc actctgcggg tcctttacac 540

gctgttcacc aagtacaagg a 561

<210> 219
<211> 551
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<400> 219
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tcagtgtcag agtctctcaa ggctgtcctc ctacagtcgc cacccccctg tatcagccag 120

tggaggaaga tctttgatga tgaacctact atcattcgaa gagcctttta ttctttgggc 180

aattatctcg tggcttctga aatagctaaa gaatcaacca actttcctgt tatngtagac 240

aggtactggc atagcacagc cacctacgcc atagctactg aggtgagtgg aggcctacag 300

tacctacccc ctgcccacca ccctgtgtac cagtggccag gggacctgct gaagcccgac 360

ttggtcctgc tgctgactgt gaattctgag gagagagtgc ggagactgca gggccggggt 420

caggagaaaa ctaaagaaga ggctgaactt gaggccaata atgtgtttcg tcagaaggtg 480

gaaatgacgt accagcgtat ggagaaccca agctgccatc tggtggatgc cagcccctcg 540

agagagacag t 551

<210> 220
<211> 572
<212> DNA
<213> Mus musculus

<400> 220
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agcagcagca attccggaac atcttcaggc agatcgcagg cgacgacatg gagatctgtg 120

cagatgaact caagaatgtc ctcaacacag tggtgaacaa acacaaggac ctgaagacac 180

aagggttcac gctggagtcc tgcagaagca tgatagctct catggataca gatggctctg 240

gaagactgaa tcttcaagag ttccatcacc tctggaaaaa gatcaaggcc tggcagaaaa 300

tcttcaagca ctatgacaca gaccattccg gtaccatcaa tagctatgag atgcgaaatg 360

cagtcaatga tgcaggcttc catctcaaca gccaactcta tgacatcatc accatgcgct 420

atgcggacaa acacatgaac atcgactttg acagcttcat ctgctgcttc gtcaggctgg 480

aagggatgtt cagagctttt aacgcgtttg acaaggatgg cgatggtatc atcaaactga 540

atgtacttga gtggctgcag cttaccatgt at 572

<210> 221
<211> 541
<212> DNA
<213> Mus musculus

<220>
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<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
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<222> (330)..(330)
<223> n is a, c, g, or t

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<222> (333)..(333)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (398)..(398)
<223> n is a, c, g, or t

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<222> (400)..(400)
<223> n is a, c, g, or t

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<222> (403)..(405)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

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<222> (455)..(455)
<223> n is a, c, g, or t

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caaagagtag aaaaagacat gaagaaagcc aaagagcagt tgaaaattcg taagaataag 120

caaataccaa ctgaggtcaa gagcaaagct gaggaggttg tatcatttgt aaagaagaat 180

gttctagtga ctggaggatt ttttggaggc tttctgcttg gcatggcatc ctaagaactt 240

cacttcattg ttctattttt atagttgttt gtttcttgcc agcagcttnt acactccaac 300

ataggacaat cggcactcct nttcctcatn ttntcctgtg ccttcctccc tgttgtagca 360

aatntgaatg gctttaatag gcttntcctg gtgcaagntn ttnnntcagg ccttnntcaa 420

tttaacacgt tggaagagac agtaggtgtt aantnttcca gtaccctcct tacttggttg 480

gtgtgtagct taacaagaat gttccttttc ccctatgtaa gatccttttc caaactcaat 540

t 541

<210> 222
<211> 565
<212> DNA
<213> Mus musculus

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<222> (34)..(34)
<223> n is a, c, g, or t

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<222> (124)..(124)
<223> n is a, c, g, or t

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<222> (187)..(187)
<223> n is a, c, g, or t

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<222> (239)..(239)
<223> n is a, c, g, or t

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<222> (280)..(280)
<223> n is a, c, g, or t

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<222> (296)..(296)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (370)..(372)
<223> n is a, c, g, or t

<400> 222
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gcctagagct tggggagtcc ctgctacaga ggcaacacca ggcctcggac gagatccggg 120

aganattgca gcaagtgata tccaggaggc aggagatgaa tgacaagtgg gaggcccgct 180

ctgacanggc tccacatgct tctggaagtg tgccagttct cgagggatgc ctctgtggnc 240

cgaggcatgg ttgattgccc aggagcccta cctggccagn cgggactttg gacatncagt 300

ggacnagcgt agaaaagctt atcaagaggc acgaggcgtt tgagaagtcc acagcnnnnn 360

nngnngngcn nnttgccgcc ctggagaagc ccaccacgct tgagcttaag gaacgccaga 420

ctccagaaag acccacagag gaacctgggc ctcaagagga ggaaggcgag acagctggcg 480

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gcttgtctag ttcctgggag tcgct 565

<210> 223
<211> 421
<212> DNA
<213> Mus musculus

<400> 223
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ggagatccta cgacttcact ggactctact aggatctaac tgggatggga ggctgagaca 120

attacaggac atcctagcca tttctccttt atctgaagcc ccctctacat ctaggcaccc 180

agatccagac ctcacaaatc aagaggtaga ggtgatggaa ctgggtggtc acaggatcag 240

cctcccacat tgagcctcca ctcagaacat tgtcaggcta catggtcact actaccactt 300

tgtgagggaa aaagctagaa aaagcaaaca gaaatggagc atggctcccg ctcattcata 360

cttggaagaa aacttggaaa gccattagcc aggatgggag cactatccct aaatatcatg 420

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<210> 224

<211> 522
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (474)..(475)
<223> n is a, c, g, or t

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ttctttaact gccttaattt aactttccgg attgcctttg tttttgacgt ggctgacttc 120

cacacgctgg ggcagggcct gcccatctgc actgctggga tgctctcccc caggtcacct 180

gtgctaacag agtggctatc ccagcctgct cccacaagca ttcttctcat aagattgacc 240

ttggctcaag actgccaatg gatagctgtg cctctggtga aagttctgtc ttaaatgtgc 300

aatagaaggt gatgttaccc tttgnccttc tttctccant ntcctagaag tgaggaccct 360

tgctgacncc aaatgcacac aggttcccnt ctcccttgtc actaaagcac agggtcgaca 420

gacttgaatg ctagttacat ttgtttgtat atgatattta tttttttctt caannccatc 480

ttgctgttga ctaataggcc aaagatgctt ctgggtggtt ta 522

<210> 225
<211> 510

<212> DNA
<213> Mus musculus

<400> 225
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aaggtctggt tgattgacgt cagtcagtcg gtagagccaa cccatcctca tggcctggag 120

ttcttattcc gtgactgtag gaatgtttca cagttcttcc agaaaggagg agtaacggaa 180

gccctcaatg aacgggagct gttcaatgct gtttctggcc tgaacatctc ggcagacaat 240

gaagctgatt tcttagctga gatagaagct ttggagaaga tgaatgaaga tcacattcag 300

aagaacggga ggaaagcagc ctcgtttctg aaagatgatg gaagcccacc tgtgctgtct 360

gccgactagt acagcggtga cggacggcag ctgccatagc cagcgagtgg aggtgacctg 420

acataccaaa gcaggagtgg acagtgctgc ttctgggctt ctcacttgtg acccacgtgc 480

cagatgtgtg caatttttaa ctcggcattg 510

<210> 226
<211> 494
<212> DNA
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<222> (261)..(264)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (460)..(460)
<223> n is a, c, g, or t

<400> 226
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gcctgcagcc agacatggta cctctaggac accacacaga aaaatatttc tcagacccaa 120

ggaccaaagc tgtgctcagc caatttcaag cagatttgga caatttggag aaagagatta 180

cagcccggaa tgagcaactt gacctgcctt atgaatacct caagcccagc cgcatagaga 240

acagtatcac catctgaggc nnnngctgct gggacccaga aggcttnntc anccctagga 300

ctnccacnac ccacttnatt ctntnccntc tnnatntntg ctnctgagac tctaattccn 360

tntccngant aaacactcca cattagtntt cnaactacag ggcactaaat ntcttgctgt 420

tatgaggaac aatttantnt ttggaggncc acccactttn taccacaatt acttagcttt 480

ctcactatac cact 494

<210> 227
<211> 521

<212> DNA
<213> Mus musculus

<400> 227
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aaagtgcaaa accaggcgtg gggacacacg cctttagttc cagcactctg gaggcagaga 180

caggcagatt tctcagttca aggccagcct ggtctacaaa atgagttcca ggacagccag 240

ggctacacag agaaaccctg actcgaaaaa caaaacaaaa acaaacaaaa agtgctttgc 300

atgatttcag gttagatttg gtctaacctc atacagacct caggctccaa acctcatttt 360

caaaatatcc aagagccatg gtggaggaga ggaaaattgt atttctggat aaaatcaact 420

acttcagcta gttctccttt gccaggaacc agacttcatg cttgacggcc aacgtgtaaa 480

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<210> 228
<211> 509
<212> DNA
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 228
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ctgaagctta aacaggcatt aacgcttcct tagatctgaa gtcgcaggtt aagcttgtct 120

ggtctacatt ccagtgtggg gggaaaaaaa atcaatcttt attctgttaa tttcttggaa 180

acaaattcat agtaatagct atttgggacc agacaaaatc agctttcatc tataattcat 240

tgggggtaat aggggattta gataatgtat ccagagttaa acataccagt ttgacccacc 300

ccnttaagcg tttaaaataa aatatgcaac aaaatggatg acttagtgga gatggaagcc 360

cattaactgg gttccccatc aaatcgttta catacaagta cacagttttt ataaggattc 420

ctgttaaaag tcttgtaaag ttgatntctt tcacccagat atatcacatg tgagtggaag 480

accagtgtga cttcattaga tacgtttag 509

<210> 229
<211> 399
<212> DNA
<213> Mus musculus

<400> 229
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gaatctctaa tttcaaatca aaccagtagg tgcttaatat ttttgatttg aatattgccc 120

acttgaatat catgggttct attaataata actaaggacc ccagtccatt gtcatctagt 180

tgtccttgga ctttttcca aggtataata tggggtttta tgcaaaattc caagctacca 240

tatgcattgt tgtggtccag aaatgccaaa acttaaaggg tggcacaact tgagtccttg 300

gcttgactgt actggcttgg tctttgtggc atatcagttg ccatctgcat aggagagtgg 360

ttgtatgtaa cacagcccaa aattgctaat ctcacatgt 399

<210> 230
<211> 454
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 230
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taatcatgat ctgtcaaccc ccacttgaaa ctttgacatc aagattaaag ctgccaaatt 180

gattccagga tcaaaccccc acccctaaga atgaaagaca agccacagaa ttttctaaga 240

gtcagaaaga cacaggattc cttttgccag gtaagataaa gagggagaaa aaggcaatgg 300

tgaattttca agtttcaaaa cccaccacac caggcaacag acatccttct gagtgctgtg 360

ggaacacctg cggggtactc atctgcagtc agaaatcatt tnttctttat tgaattccaa 420

cttcatgatg gatgaaaact tacagccgct gggc 454

<210> 231
<211> 331
<212> DNA
<213> Mus musculus

<400> 231
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ctgtgccacc caaggcacag gcctgtatga tgggctggac tggctgtccc acgagctgtc 120

aaagcgctag ccagccaggg gcaggcccct gctgcccgga agctcccgcg tgcatcccgg 180

gatgaccaga ctcccggact cctcaggcag tgcccttcct ccccactctt cctccccaca 240

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ttgctctctg ggcacagagg gctctgctct c 331

<210> 232
<211> 513
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (335)..(335)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (349)..(349)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (453)..(453)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 232
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agctgtttcg aacattaatc agagagaagc tcttgttaga ggcaatggga aaatcgtgta 120

actaatgaaa ctgaccagag cattgtggac ggggncccna ggagaatgca gtcaggatgc 180

tggcgtgcca ttacactatt tcccaggcct tttctcctct cccgtgctct tagtgtctct 240

tcttctcccc tctcttcaga agtagctttt gtaaatcgct actgctttct agcctggcct 300

gggttacctc ctctgctgtt agtttcaagg gggcngaggg tgggggntng acgngacttg 360

gctcatcann tccaactntn cagcnctggg tgcctagtgg agagagganc cctttcttgg 420

tttctgnatt tgaggacaca tcctnccagt ngncaagacc tntccgggac ccancaaggg 480

ttgagtaaca tttgctgaag gaacaccggc tta 513

<210> 233
<211> 537
<212> DNA
<213> Mus musculus

<400> 233
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ccctctcaag gaggaccccc ccagcagcag tcaggactct ctctccaccc catctcccac 120

aacgtcagct gcccatgggc ctcctggact agacggaaac cacctagcag cagacggagg 180

gagctgtgga gatgccaccg ccaccacgcc aagccagacc cggccatcca tggtgcagtg 240

gctaaatatg cagtctccaa ccacaccaag ctccaaccca gctggaacac ctccttcacc 300

cagaatgtca ccgttccccc tctctcctgc tgcctccatt gtagacaagc tgcctgagtg 360

cgttatcaat cgaaaggctc gggcagtgta cccgtgtgaa gcagaacaca gctcggaatt 420

gtcatttgaa ataggagcca tttttgagga tgttcagacc tcaagggaac ccggatggct 480

ggaagggacc ctgaacggca agcgagggct gattccacag aattatgtca agctcct 537

<210> 234
<211> 304
<212> DNA
<213> Mus musculus

<400> 234
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cctgggacat ctgaaaagag ctgcttgcac cacactagct tgcaggcata ttgtggcact 120

tttatcctgg attcctgact gttgtcgtat gacacagtca actgtgagtg cttccatccc 180

tacgcaggta gtcttggcct atatatgaaa tcttgctgtg catgtgccaa tgaatgaacc 240

agcaagcaga attactccat gattcctacc cagtttcctg ccttgacttt tctgccctga 300

gttt 304

<210> 235
<211> 464
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (84)..(84)
<223> n is a, c, g, or t

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<222> (88)..(88)
<223> n is a, c, g, or t

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<222> (90)..(90)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (96)..(96)
<223> n is a, c, g, or t

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<222> (116)..(116)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (126)..(126)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (151)..(155)
<223> n is a, c, g, or t

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<222> (157)..(158)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

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tttgaganag aaaganagan aganaganan anaganagag agagagagag agaganagan 120

agananagan agnnannnng nnnngnngga nnnnngnnag naannnnnan nnctngcttt 180

agtctgcatg tccagcattg ctagcacatc agaaatatca aaatgagctg ccagattccc 240

ctctcccatt tctctctgag gctggcaact gtttaggctg tntgttttga ctnttgccaa 300

agggtttaca gaccccacac ttntcctctt gaagggtgtg cattttgatg ttgaacatca 360

gcttttattt aaacttaaga ctcacatgca gtaatatagg caaatgtaat tctggaagca 420

ggaatagcag tggtaatgta acaccatcct gttgagattc agat 464

<210> 236
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

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<222> (341)..(341)

<223> n is a, c, g, or t

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<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<400> 236
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ccaacatgaa ggacagaagt ctgcctaagg ctttgggtaa tgaaattgtt gtctaggtga 120

ttctctaaga ccacgaagga cacaaggaca agtcatctat gaggattgaa tcaacggttt 180

cagtcttttg gatataacct gggccagcca agggatttag gaatgaagca agctccgtgg 240

gtagaggtct gatccccagt gtgtaatgtt aggggccatg tacaggattg actctcaggc 300

ccacagatct tnacccagag aaaccctgac ctgctcccat nctgtttttc ctggggaaag 360

gaccctaggg cactcaacct ttatgcaatc agacatgcct ctcagagact gtntaacagc 420

ttccagacta atctctgtnc agtacttant cttacaactc tcacgggcaa cggcttcaag 480

ttccaatttt acgatgtgtc tagcctggga tgactgttta gtttcta 527

<210> 237
<211> 370
<212> DNA
<213> Mus musculus

<400> 237
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cctatggaaa tcattcctat ctggagtctc tgacagacaa atctaaggag ttgccgttat 120

actgttctgg gggtttgcgg tttttctggg acaacaagtt tgaccatgca atggtagctt 180

ttctggactg tgtgcagcag ttcaaagaag aggtggaaaa aggagagact cgattttgtc 240

ttccgtacag gatggacgtg gagaaaggca agattgaaga cactggaggc agtggcggct 300

cctattccat caaaacccag tttaactcgg aggagcagtg gacaaaagcg ctcaagttca 360

tgctgaccaa 370

<210> 238
<211> 279
<212> DNA
<213> Mus musculus

<400> 238
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actcatgcgt ctacagggag gatcaaggca gttgagaagg aagcctgtaa tgcagaaagc 120

aacaaaaaaa aggaaatgga acttcttggc tctgttgcta aaagcgaatc agttcctgaa 180

gttgaagccc tgctggcaag attacgagct ttataaatga aactggttaa aaaaaaaaaa 240

tgattaagcc aaacaccaag ccatgctttc agctgtaac 279

<210> 239
<211> 277
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<400> 239
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acgacaagac cagggtcctg agcatccagt ccacgctcac ggaggccaag caggtcacct 120

ggagggcggt gtggagtggt ggtggcctct acatcgagct cccagctgga cctctgcctg 180

agggcagtaa ggacnagttt tgcagctctc ctagagttcg cagaggagca actccaggct 240

gaccacgttt tcatctgctt ccccaagaac cgtgagg 277

<210> 240
<211> 365
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<400> 240
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cagcnagctg ggtcaggaaa accctcagct cctgcagcaa attagccgtc accaggagca 120

gttcatccag atgttgaatg agcctcccgg ggagctggcg gacatctctg atgtagaggg 180

ggaggttggt gccataggtg aggaggcccc acagatgaac tatatccagg tgacaccgca 240

ggagaaggag gctatagaaa ggctgaaggc actgggcttc ccagagagcc tggtgatcca 300

ggcctacttc gcgtgtgaaa aaaatgagaa tttggctgcc aacttcctcc tgagtcagaa 360

ctttg 365

<210> 241
<211> 386
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(69)
<223> n is a, c, g, or t

<400> 241
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cgcgcgcnnc gctccatcca agagttctct ctcacagccc cgctggtggc cgagtcggcc 120

agaggtggtg catcctaaga aaggacaggc actgagcaac aaggacctgc aaactttaca 180

ggtccctgca ggaggaccct caccttcacc tggatccgcc ttggcctcta cccttgccca 240

acctcccaga cccgagctct gcaagcctga atcaacatgg tgccaaactg attccagtac 300

taccagagtg aagcaacctt gagtcttcag agcctagagt gatggaacag cccagtctcc 360

tgccagactc ctcactgaat aaaccg 386

<210> 242
<211> 274
<212> DNA
<213> Mus musculus

<400> 242
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aggtaaccca aatcagcatt cagcaacaat gtcaacacca gctattcatg tctcaactta 120

tcacacggcc cctactgaag tgtctgctgc gtttgaagaa cagcctgtct caccacacat 180

tggaggaatg ccgtcaccaa ttcaacacga ttttcctgca ctagtgatga tactcataat 240

tttgggcgtg atggcaggga ttatcggaac tatc 274

<210> 243
<211> 256

<212> DNA
<213> Mus musculus

<220>
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<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
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<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(202)
<223> n is a, c, g, or t

<400> 243
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gcaccaaacc cgacagaaaa gaattccaga agattgccat ggctacagct ataggatttg 120

ctatcatggg attcattggc ttnttngtga aactgatcca tatacccatt aataacatta 180

ttgtgggtgg ctgantcctt nnctcatcat gggacgagtg agccagagcg ggggaaaggg 240

catgaagtaa agcgtt 256

<210> 244
<211> 339
<212> DNA
<213> Mus musculus

<400> 244
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atgctgaggg ttggcaaagc aaaagcagac gggtggccca aaactgctcc aaagaaagat 120

gacaatagct tggttcctcc cgcccctgtg gacagtgatg gggagagtga caattctgac 180

cgtgttcctg tgcccagttt ccaaaattcc ttcagccaag ctatcgaagc agccttcatg 240

aaattggaca caccagctac ttcagacccc ctctctgaag acagaggagg gaagaaaagg 300

aagagacaga agcagaagct gctgttcagc acctcggtc 339

<210> 245
<211> 532

<212> DNA
<213> Mus musculus

<400> 245
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ctatagactt actggtctgg ttctgtccag ctctgtattt gggccacttg ttaatgtgcg 120

tttctcatgt aaactgtacc ttttgtgact tcacaattgg cacctccacc acgagcagag 180

ctgacttcct ctgctgtgtg gcagcacctt cacaggcttt tgattaaaaa gaaagtaaaa 240

ccatcaccat ttaccaaaca ccgtgccgca gtattagcaa tggccggttg cgctggtttg 300

agcaaggcag agatttggaa ggaatcttgg tgtaacttga atatttgcaa actacctttt 360

aatgcagctg cgcgctacct gtttattctg gaactgttga gcaccagggc ctgccgagtt 420

gcttctcacc tcctcagttg tatccaagtt gtactgcatc ttagtttact ggatagattt 480

aaaacacagt attgtagaaa gctaatacaa agctatccta tgccttcaaa ta 532

<210> 246
<211> 238
<212> DNA
<213> Mus musculus

<400> 246
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cctgcagaat cgatggagtc ccacatatga tgtctcttcc atcttaactt ccattcagtc 120

tctgctggat gaaccgaatc caaacagtcc agccaacagc caagcagcac agctttatca 180

ggaaaacaaa cgggagtatg agaagagagt ttcggccatt gttgagcaaa gctggaat 238

<210> 247
<211> 445
<212> DNA
<213> Mus musculus

<400> 247
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aatccgcgaa gatcagagcg aagtaccccg accgagttcc ggtgatcgtg gaaaaagtct 120

cgggctctca gattgttgac atagacaaga ggaagtactt ggtcccctcg gacatcactg 180

tggctcagtt catgtggatc atcaggaaaa ggatccagct tccctccgag aaggccatct 240

tcctgtttgt ggacaaggac agtcccacag tccagcctaa ctatgggaca gctttacgag 300

aaggaaaaag atgaagatgg attcttgtat gtggcctaca gcggagagaa cacttttggc 360

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gctgttctca gttactctgc cagag 445

<210> 248
<211> 556
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (103)..(104)
<223> n is a, c, g, or t

<400> 248
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gagtgtggcc ggaagggacc gggccccggg ggaccaggcg ganntggggg cgcccgggga 120

ggcgcgggcg gcggccccag cggagactag gccagagctg aacgttttag aagttccaga 180

ggagagtcgg atgccgcgtc cccttcgcag tgacaagact tccctactgt gtttgtgagc 240

ccctccttcc caccaaccag ccagcttcag gagcccccccc cctcccccccg ccgcgtccca 300

gagactccct ctcccaggct ggcttcgtct tgggcgtagc caagtccgtg ccctttttag 360

ctcttcagtc taacgtggtc tccttttgcc ttttctcccc accctcgtcc caaaccccat 420

actcccaaaa atgtcctttt gcttcacgcc cacctgtcca cgcgcccagc atgcagctct 480

gcctccgcag cctcggtgcg cttcgctgcg cgtactgcag agggcgccca atgcgtcgcc 540

caaatactct caaaaa 556

<210> 249
<211> 201
<212> DNA
<213> Mus musculus

<400> 249
gtcccaggac gtgcgactgc aaagtagcga gactgtgcac actgatgttt acaaggctgg 60

aagagtcttc atcaagagca gcggcaaagc cttcagatcc caaacaggcg cacgagcgct 120

ctcgggatag atgcactttc tacagcgtgg gtgcacgtca gccgtttctg ctgaatgtgc 180

cttgtgaaga agagttttcc t 201

<210> 250
<211> 528
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (473)..(473)
<223> n is a, c, g, or t

<400> 250
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tcgcacctac tgaccagggc actcagactg aagccctgca gcagctgcag aaggactctg 120

aggccatccg tagtcagtat gctcattact ttgacctctc tttggtgaat aatagtgttg 180

atgaaactct taagaaattg caagaagcct ttgaccaggc ttgcagttct ccacagtggg 240

tgcctgtctc ctgggtttac taagcttaca gaattggcaa acatgtttca gccagcattt 300

ggaatgccac ctccccgcac cccctccctt gcttaagcca aaagggttgc ttcaactttt 360

agctctgctg ttttcttact caggctccta aaggggtgaa gctttcctac tatctacatt 420

tcaaaatgat ctctggaaaa ttgccataag aataaccaaa tgcaatgcta ctncatagat 480

aaaccaactg tccccctgaa gcctgagctc ctttgctttc aactatag 528

<210> 251
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (398)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (511)..(511)
<223> n is a, c, g, or t

<400> 251
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catctctgtt agcgctgact ctcagccggg ttagaaatgc aggacggctg agttttctgc 120

cccgcatttc agctccttta tgtgccctac agtagaggat ttcccctgtc tgagctttgt 180

ggcatttagc ttcaagcttt tgttattact cttttgcggc accagagatg gaactttggc 240

ctcctttacg ctgggaaagg atcccaccac tgagctacaa cccagccctt ctagccccca 300

cagctgtctg aagtacttat tattttaaga gatttcccag gacttttgaa cccgacttaa 360

gacaacgacg gttattttag atgctatgat ttatattnnn natagagata tttctagact 420

attaaagctc nccctttgat actggaatna ggggcatctt gggatttatt gttatgtaag 480

aagatagcat agattttggg atagtattat ntcagacgtt gcttactctg atcttcat 538

<210> 252
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<400> 252
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ctggaaatac acttgctggg catccctctt ggccagcctg tggttacctt caccctgcgc 120

actgacatca gtgaaggaac ctggaaaggc tgctgcngtc tccagtgaat cccgagacca 180

tccacatgta ttagtgacac ttaaaactaa ctcaaggttc tactacttta gtctggtgcc 240

ttttctctat aacatgttta tatcatgctt ccttttctct ataacatgct tcagaaaatt 300

tgtaatcttg tagttgctgg tcagagactg aatgtaagaa aatcattgca gtttctatat 360

aggctacctt gttggaaatt tataattctc agtttgatta tccaccttgc tttctggact 420

tggttctgaa 430

<210> 253
<211> 500
<212> DNA
<213> Mus musculus

<400> 253
tataggctta gctgtgtctg agacctggtc agctttctcc tagaacaaag cacagtgcta 60

gtcatgtgct tcaattctgt ggcattcttg gactttagta cgtcagcata gtacatttag 120

aatgattgcc tttgatagtt atttttttaa gttttctctg tgtgagtgtg taaaattcca 180

attaatcaac actgttttca ttccacaaaa gcattacaca gttgtgtgta ggttgcaaga 240

gactgtaatg attgtcacta atcttaacta ccttcactta atatgcttca attgtcgcct 300

taactacagt aagcatttag aataaaagcc aaaatagaat tattgctgcc ttctgaaact 360

tgagatgtta gctctctatt aagctgttct gtgctagccc tgagcagctc actggtaaag 420

cagagctgcc tacttgtatc aagattttct agtcactgca taaaggaaac gcctaagagt 480

tgccgtattg ctttctgaga 500

<210> 254
<211> 575
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

<400> 254
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tgagtcgaat cagcttttcc cacggttttt gcagctcaca gagagagtga tcattctctt 120

tggggtgatc accagtcaag aggaggtcca agagaaatgt gtagtgtgtg ttttattcat 180

cctttggaat ctactggata tggtaaggta cacttacagc atgctgtcag tcatagggac 240

atcttatgct gccttgacat ggctcagtca aacactctgg atgccaattt accctctgtg 300

tgttcttgct gaagcattca ccatctatca gtcactgcct tattttgagt catttggtac 360

aaactccacc gtgcttccgt tcgacctatc tacctgtttc ccttatgtgc tgaagctgta 420

cctcatgatg ctcttcatag gtatgtattt cacctacagc catctttata cagaaagaaa 480

agacttcntc cgagtttttt ctgtcaaaca gaagaacgtg tgaggtagcc tgtcgaacag 540

gtgagaagat ggactggtgg tctaagctgc agcaa 575

<210> 255
<211> 497
<212> DNA
<213> Mus musculus

<400> 255
ctcttcctgg gcactaacga catagcaatc acatgacata atgcaaaggc tgagacttca 60

gtgacaaaaa ggaccagccc ttagagagaa tttatggtca caggctagcc atagtaactg 120

acaagattag tggaggaaat atttggggac cagcatgcac tgtgccatcc tgataggctt 180

ccccaggtaa ctatcgatta gatgtgacct tggtgttcat ggactagagt tgtgcaatta 240

atttttcct ggctttggta actaccctgt tctagtcaca gtccttcaca ctaggaaagg 300

aaagagagaa gaaatagtca ctctttttt ctttctttct tttttccttg gtcaccttcc 360

cgtggcctta agctctggag ccaagggaaa ctgcatggag gtacatttca gttgggaatg 420

aaatccacat ctttcaacca gacaaatatt tatagcgatg ttgatgaatc actgttttta 480

gacaccttca ttttgag 497

<210> 256
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<400> 256
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tgcgtttccc agtgggctgt gggagaggct ggccccaatg ggcttcctgt ttcttcatct 120

ctttcacatc agtttgtggt ttgtgaaccc ggggaaatta caggcagttt caatgaaaga 180

aaacaagggg ttttgtgggg gttttgcctc aaaagtattg gagtacacta ggctttaaaa 240

tactgcaggc attctgaggg actaagtttg ctttcccacg actctcagac ttcaccctcc 300

tgtgccccgt ggggaaactg aggcaagcca gatgtgaccc caacgcctgc agccctccct 360

cactcctntg gtgtttgaag gcttccctgc ccctgtgcag gccctgatta ggtgtgctag 420

agtctgggcc tcggaagggg ccacacatga cccacacggg cccctgcact gccagaaaat 480

gtg 483

<210> 257
<211> 325
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (160)..(160)
<223> n is a, c, g, or t

<400> 257
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agtatcagct ccagttctaa acaccattgc ttctgatgct gttctggctt gaccactgtc 120

acatcttaac taattctgat acattaaagt ttcatgttcn aagttgaatt taaagcttta 180

aaccctagta attacatgag atctattgaa ttctttaaac ccaggatcta agttttaata 240

tgatctaact tattatgaaa tttacatgcc atattatata aaagcttttt tcttattttt 300

aatgctactt agataatgct tttag 325

<210> 258
<211> 503
<212> DNA
<213> Mus musculus

<400> 258
catccatgcg aggtttttgc agcaaacggt caacattcca cgaacaaaca ttatacctct 60

tctggcagtt ttattaagtg tggagaactt gccaattttt tagaaacact gcagtttttt 120

ccaacctttt ctgccaatct ctaaccctga actcagtgct gctttgggct gacatccatg 180

actggtgtgg gccaccagga gtaagacagt agtgttttga taccatccac tttttcagaa 240

gacataactt cgctacatgc ctttgcccca gtttttctcc agggtctctc tccacagtcg 300

gggaggatcc tgtccggatt atgatagtat tattgggttg cccatctgcc atgagctttc 360

tgaatcatgg cgaattgtat ttgccacttt ggtgcccaac ggttcaagtc attgtggtta 420

agccacttaa ctttattgta tgagtttgat attcatttta attgtgggac tagacacata 480

aactcacatt tctgcctttt cct 503

<210> 259
<211> 318
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<400> 259
tgctttgttg gttaatcttt cttggntgtt taagagaaat gaagtcacct tgcctttaga 60

tcagatgcta ttataacctg tctgtctagg aacaagctgt cagactaaag atatggttta 120

ttcattgaaa ttctggacag ctgtacgttt aaaagaaagt ttattttgta tgtgtgtcta 180

ggctctgatt tttggtaaat tgtaaaggaa caactgaaga actggttgct ggggatgtct 240

tcagtagtca ggagtaccca aggataacac cagccacacc gctgtatatg catgattctg 300

aacagttagc cgcctgtt 318

<210> 260
<211> 429
<212> DNA
<213> Mus musculus

<400> 260
tacttgtatc tgaagtccat actgaaatta gcacagacag aaagttagac ttttcaatat 60

atcatttgtt aagtacatat tactttgcag tgtaatttta tgtgtaattt catgtattgg 120

caaaattaaa aggacttttc actccagaac ctttcattct gaagtttgag gtgagtgggg 180

tcataggtca gttaggaaag ggccagttcc ccagatgtta aaccgttctc atgcagaggc 240

cttaatattt tatatataag tgaatttact tttaagattt ttctattgtt ttttggaaag 300

taacccttaa tttaatggta ctttctttca tgtagttttg tcccaggcca gaattttaaa 360

aagaagaaaa gcggcacaga cgagatgagt cagatcgatg tattgagcag gtctattgtg 420

aaacgttat 429

<210> 261
<211> 407
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (64)..(65)
<223> n is a, c, g, or t

<400> 261
caacagcaac atcattctgc tcggggactc ccaaggagac ctaagaatgg ccgatggcgt 60

agcnnaatgt tgaacacatt ctgaaaattg gttatctgaa tgacagagta gacgagcttt 120

tagaaaaata catggactct tatgatattg ttttagtaaa agaagaatca ttggaggttg 180

tcaactcaat tttacagaag acattataaa caagccatcg tgagaagact tcccccaggg 240

gtacacctgg gtcaggcact gtccattttg aggaaagact ctttcttatt tataaaacag 300

tcttgctcct ggaacttttc ccttttccca acagacgatc ttcagacgtg tggaacctgt 360

gaaccacggc ccctcttccc acctccgtca ctatactcag cagaatt 407

<210> 262
<211> 319
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<400> 262
agttttctcc tgcttgagta gaatcaattc cttaaagtct aggtagggtt ctactgttat 60

gttgtcttgt aatggatgtc tctacctcct ccttcaatct ctatcctacc attagtggat 120

ttcacagcaa atagagaaga agccagagcc ctaaggtctt tnttttttctt aattgtataa 180

gagtacaagt atctgctcct ggccccatta gcaaggtaag actaattcag gggtctgaga 240

ctctaacgct gttctgtctt gatgatcaga gagcaaatca agaaaattac agtgggaagg 300

aaaaatgccg tgtcactat 319

<210> 263
<211> 403
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<400> 263
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agtagttaca gacatctgca gcccgggatt cctctcagca ccgggcctgt ggagcggaac 120

atgccattct gacacttgcc agtatgcata tgctttctgg ttcctaaacg aaattgctaa 180

atatttttaa atatttttat caccagtttt ttgagccatg gttttgctgt atactacagg 240

ccagccttga acgcacaatc ctcctgcttc aacctttntga ggcatgtgct accatgcctg 300

gatcccaagt ttttccttaa gtgntcttga ttgnacttgg gttggacatc ttaagtaacc 360

tgtgaattct tttgtggaag gctgagtctc atgcagctga gtt 403

<210> 264
<211> 428
<212> DNA
<213> Mus musculus

<400> 264
gagaaaactg cagcccacgc gggcggccct cacactgacc ccctctgctg taaacaagat 60

aaaacaactt cttaaagaca aacctgagca tgtgggtctg aaagttggcg tgcgaaccag 120

gggctgtaat ggcctctctt acagcctgga gtacacaaag acaaaaggag attctgatga 180

agaagttatt caagatggag tccgagtgtt catcgagaag aaagcacagc taaccctgtt 240

aggaacagag atggactatg tggaagacaa actgtccagt gagtttgtgt tcaataaccc 300

caacatcaag ggaacctgtg gctgcggtga gagctttcac gtgtgaaacc tcaggactgt 360

gagctccagg tgagccgggt ctgcctcggc gcttcctgaa gaaatcatgt gatggcacgt 420

gctcaggc 428

<210> 265
<211> 263
<212> DNA
<213> Mus musculus

<400> 265
ggagtcttac catttttctg ctttgctagg catttgatgg aacttaaagc cttgtcaaac 60

atttcttaag tattatagca ggcattgaga gttatcgttt ctcctgtcta ttgaaaggga 120

accctcgtta caggccctga tgaacttcgt attaatatgt cgcctgtata aattgtacct 180

gttaggttgc tgagctgatg ttagagtatt taattctcca gcctaaggag tgcagcaggt 240

gctcgtggga gtggtctgtg cct 263

<210> 266
<211> 95
<212> DNA
<213> Mus musculus

<400> 266
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ctatcacttg tggctttaac ttccatttcc tccgt 95

<210> 267
<211> 339
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<400> 267
caagaagcac agtcagagct gcccctggga ttgcatcagg gaacggctga tcaaggcatt 60

cagtgtccat gactaaatct tatctttttg atagcaaatc cttttaagaa actgaacaat 120

tgctaaggct cagcaatttt atactccaat gtctgtgtaa ggtaaatttt gtttgccatt 180

gagcccacat tggaattcct tctgacgtca acactgacaa tgcctatgga aattgcactt 240

ctgggtatat ntcccagcat ccttgttttc ttatgtttgg tgagtaaggc tcacccttc 300

cagcagctnt anttctgtgt gctgaggtcc tgtagagcc 339

<210> 268
<211> 446
<212> DNA
<213> Mus musculus

<400> 268
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aaaatggaca gtaacaagta aatatcctta ttatacaact acctgattta tgtgaaatgc 120

atttgacaag ccaaaaatct gggatgaaga aatctgaggg gaataaaatc ataccctggg 180

attcacttcc caaggtatat atatttttta agttaatttg ggaaattaac agcatttcac 240

tttactgcaa gtctttgcca catccgacct atccaagctg ttgtttatac atttgaagcc 300

actgttgttg gctgtgtgac agtgcgtgtg ttattgaagc acaactgggt ttgcactaaa 360

gaatcatcat tgtaataaca ctatttggta gcctaacttc atactcgtat tcttaattgc 420

acaggaagtc gctaatttgt cacaac 446

<210> 269
<211> 347
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<400> 269
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gtcatttact atttccaaaa atggccgatt agctttgtta aatgtagcaa ctcagggagt 120

tcatttatgg gacttgcaag acagagtttt agtaaggaaa tatcaaggtg ttacccaagg 180

gttttataca atccactcgt gttttggagg ccataatgaa gacttcattg ctagtggcag 240

cgaagatcac aaggtttaca tctggcacaa acgtagtgaa ctgccaattg cggagctcac 300

agggcacacg cgcacnagta aattgtgtta gctggaaccc acagatt 347

<210> 270
<211> 264
<212> DNA
<213> Mus musculus

<400> 270
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ccataattgc tgggtctaac cagtctccct tgaaatccat gttttccaat aggagataac 120

cagggtgacc acagctcttg gaaggaaaag tggaattaac tccaatgtat cctgatgaac 180

aacaacaaca aaaatctggt acaacttgcc cttgaggcca agccaagtcc atagcattca 240

ccatgatcat atgcccctcg ggat 264

<210> 271
<211> 266
<212> DNA
<213> Mus musculus

<400> 271
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acactgggag gtaagagcgt gccccgaagg tgagggccat gaccagaaca taactcctgt 120

tagagtggag ttacaactat gcaaaggtgt tgatagtagc taggtgagtt cggtttccaa 180

gtctgtctta actggccgct ccctctctag actggtactt gactgtgcca atttgctgta 240

agcatctgtt tcgtatattt gccatg 266

<210> 272
<211> 442
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (252)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 272
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agtgttgagt tattgttata gtcgctgccc tagagttgca aaaacaagct gtaaaagccc 120

atcccctatc tacttaatcc agattgcctg gatttaatga agttaaaaga gtgtgtgtgt 180

gtgtgttntg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtn tgngnntgng 240

ngnnnnanan annnnnnnnt tcctaaaata ttctagaaac aacnttntag gttgtcattt 300

ttactgaatg tcttgtgcac atgtaaagta ccctctcttg agtttaaggc ttggttaata 360

cttgtctatt tttataaaac ttaaaactgt gtcccatctt taactntaga catttacatt 420

atcaggatca acatgctaga at 442

<210> 273
<211> 441
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<400> 273
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ccctgtgntt tacatcttga gacagaagag tttgcagcta catggtgggc tatgtgaggg 120

aaaaaaattg gggtccttag agtgaaaagg agtgttttgt gtatattttg agtggagaat 180

atgtcaagag catggttttt aaatttattt gggctttatt taaaattttc tttttaaccc 240

agttatttca cttaatttgc tagcttcaag aagagatccg aatctgtgcc cagcgctgga 300

ggctcagtgt tagcatggct tgtgctggcc agtgtgccat attcttgttg gagaggaact 360

gtagcaccag aacccattct tccttgtcag tcttgaccca cagatgtcac cacccctagt 420

tccttgtcac catggacttg g 441

<210> 274
<211> 158
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<400> 274
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gttttggttg tttttgtttt gttttttttct ttttttctcg ttgcaatttt aagtggtttt 120

caataagtaa tagtttctac tcagattttt ggtgcttt 158

<210> 275
<211> 289
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(124)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<400> 275
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gaagtgaaat tcagcctgga tcttttacaa tatcagcata attantcatt ttaggaaaan 120

aaantcatgt tttaaatttc aaaatgacac tgtctagtaa tgtaatgtga tcttggaaaa 180

ttttaaaaga aaaataatcc tacttttna taattgtttt cagaaaaaaa gtttacantc 240

ttaaggaaaa atattcaggt ctatcatatg gtttgacaga ttttttaaa 289

<210> 276
<211> 281
<212> DNA
<213> Mus musculus

<400> 276
catctccagg gtcagagact tggcaggact ttccccaaag tgactcaggc acaccacagt 60

aacagtccca actgcagttt tatttttact tcagaagtag atttccttca aaccacatga 120

gatctctgcc acccacccac aatcaagccc tatattccca aggaggctga ctccgggggc 180

ccttcccccc aggccagcaa tgtattccgg ggatgtattc tggggtctga gggccctggc 240

ccattctgag aaatggagct gtagctatgg cctagccagc a 281

<210> 277
<211> 328
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<400> 277
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gagaagacag catggacgtt ttccagaaaa gccacccttg agctcacgca caactggggc 120

actgaagatg acgagactca gagttaccac aacggcaact cggaccctcg tggatttggt 180

cacattggga ttgccgttcc tgatgtctac agtgcctgta agagatttga agaactaggt 240

gtcaagtttg tgaagaagcc tgatgacggg aaaatgaaag gactggcgtt cattcaagac 300

cctgacggct actggattga gattctga 328

<210> 278
<211> 476
<212> DNA
<213> Mus musculus

<400> 278
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aatgtcaaac acatgcgcca gctgctaatg gacaggggct ttcctgttat cccctgtccc 120

agccacatca tccccatcag ggtgggtaat gcagcactca acagcaagat ctgtgatctt 180

ctgctctcca agcacagcat ctatgtgcag gccatcaact acccaactgt gcctcgtggt 240

gaggagctac tgcgcttggc ccccctcccc ccaccacagc cctcagatga tggaaaactt 300

tgtggagaag ctgctgctgg cctggactga ggtggggctg cccctccaag atgtgtctgt 360

ggctgcatgc aacttctgtc atcgtcctgt gcactttgaa cttatgagcg agtgggagcg 420

atcctacttt gggaacatgg gaccccaata tgttaccacc tatgcttaag gagcca 476

<210> 279
<211> 436
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<400> 279
aaaacctagg cgaatcctgc gctcagcctg gggcagcaac ccatacttcc ggggttccta 60

ttcctacaca caggtgggct caagtggggc ggatgtggag aagctagcca agcccctgcc 120

ctacacagag agctccaaga cagcgcccat gcaggtgctc ttctccgggg aggccacaca 180

ccgcaagtac tactccacca cccacggtgc tctgctctct ggccagcgcg aggccgcccg 240

gctcatcgag atgtaccgag acctcttcca gcaggggccc tgaaaggtgt cctcactgcc 300

aaatgtgttc cttgaagaac cactaactcg tgactgctgg tcctcgtccc ttngcccccg 360

tgctcttaat ttcctaattg tctgtagaat ggaattttac cttctgtagt ggacaccggg 420

ctgacgtcag acctgg 436

<210> 280
<211> 296
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<400> 280
ccgaacaggt gatggcaaga tcctgtacag ccagtgtggg gatgtgatgc gggccctggg 60

ccnagaaccc taccaacgcc gaggtgctca aggtcctagg gaaccccaag agtgatgaga 120

tgaatgtgaa ggtgctggac tttgagcact tcctgcccat gctgcagacc gtggccaaga 180

acaaggacca gggaacctac gaggattatg ttgaaggcct tcgtgtgttt gacaaggaag 240

gaaatggcac cgtcatgggt gctgaaatcc gtcatgtcct agtcacactg ggcgag 296

<210> 281
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<400> 281
tgctgctcct tcacagatag gacgtgggag ctcatgttga gattttaccc attcctccag 60

ccattttggg aaaaaanaaa attatgaact gggattcttc agaaattatg ttttgttttt 120

tcttgaagaa aatatccccc ccttaccccc gtccttactt tgtaacctgg ctgataacgg 180

gccatccatt tttgtagcac acttttcaga aacaattata acctggtccc atctttctag 240

gacaaacaaa gccacgcctt gatgtagccc ggctaatcat ggaagtacgt ccaggcttca 300

aataacttga gtttaaatcc ttttttttt ttttcttggc agagtaatgt aaaattaaaa 360

tggggaagat atttaatatt taatactaag ctttaaaaag aaacctgcta tcactgctat 420

gt 422

<210> 282

<211> 296
<212> DNA
<213> Mus musculus

<400> 282
gcaccactgc ctagtataga ctatgagagt ctccagtgtt gaggcatacc ctagaactta 60

gttttagtaa cactaccttg ttggtgctag agaatcattc agttactgct cgctggagag 120

aaaccaggga aggcggcatg tgattgtgct ctcagagctg agggctcagg caggtagatc 180

actgctccct acgcagcaaa cctgcatagt tgactagttt cagggaatcg gacagtgctt 240

ccagaacaat tcttgagtgt aacctcccct cctcggcctg aaatctggct gatcag 296

<210> 283
<211> 418
<212> DNA
<213> Mus musculus

<400> 283
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agaaggcagc cgagtacctg aagcgggcag agatgcttca cacacacttg ccctaagggg 120

tggacccttc ctgggatgtc agctccagca ctgccagcca cccccactgc tctctttggg 180

acctggccgt gcttcctgct cgtatgacta ccaggggcca tatctgtatt aactggatca 240

agtataagaa aagcaaagac ttctcagctc tgacctgcct gcctccttgg aattagactt 300

gaacttctga tcctgcctat ctgttctatg tgagtggcat ctgggcccct aacctgtcag 360

ttcacccatc tagaccagag tctgtagcca gacctggccc actgcctttt ttgtaagg 418

<210> 284
<211> 460
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<400> 284
gaagctgtca tcgtgctact gggcactggc aacgacctca gtcccactac agtaatgtcc 60

gagggcaccc ggaacatcgt gacagccatg aaggcacatg gagtggacaa ggtcgtggcc 120

tgcacctcgg ccttcctact atgggacccg accaaggntg cccccacgcc tgcaggacgt 180

gaccgatgac cacatccgga tgcataagat tctgcaagag tcagggctga aatacgtggc 240

agtgatgccc ccacacatag gagaccaacc actaactggg gcctacacag tgaccctgga 300

tggacgaggg ccctcgaggg tcatatccaa gcatgacctg ggccacttca tgctacggtg 360

cctcaccacc aatgagtatg acggacacac cacctacccc tcccaccagt atgactagca 420

ntctgaccta ggtggggagg gtcatgcatc ctgagaaatg 460

<210> 285
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<400> 285
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ggttgcatag gcacacacca ggacacttag tcactccaga gtccccagtt gcaactagga 120

ggtggttacc ctgttaaccc caggaagaag aaccccattt caaacagttc cggccattga 180

gagcctgctt ttgtggttgc tcatccgtca tcatccgcta gaggggctta gccaggccag 240

cacagtactg gctgtcctat tctgcattag tatgcaggaa tttactagtt gagatggttt 300

gttttaggat aggagatgaa attgcctctc ggtgacagga atggccaagc ctgctttgtg 360

ttttttttn aactgatgga tggtgcagca tgtctccacg tttccatggt tgtttgttgc 420

ta 422

<210> 286
<211> 180
<212> DNA
<213> Mus musculus

<400> 286
tacttcacca ccaatcacag gcatttggac ctgtggccag atggtggctt ctggctgtcc 60

cagtgcccac ctctttgcat cggttccctc cattatcaac tacagctgaa actggcatcc 120

tccacagtgt gcacactggc tctgcctttg tccttgcaag ttgatattcg gcattagcat 180

<210> 287

<211> 369
<212> DNA
<213> Mus musculus

<220>
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<222> (87)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<400> 287
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tagtatcttg tgccaacctc caaccannaa cgaccacatt taaatgcatg tattttatca 120

tgaacctggg tgttctaatt gggatttctt tgtacttcag ctagccgcta ggttagttgg 180

tctgtctatt ttatttgaat gaggaaaccc tgtgtatcag tagagtcttc atgctttttg 240

aggagattgt gttaatggat tagcatagac agttntaggc ttncntgaac aaacatctag 300

ctctgaatgt atgtttcttg gtntcttaca ctttccactt tcctatacca tccattaagc 360

tagccaaaa 369

<210> 288
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<400> 288
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cagcagacag ctgctggcgc tacanttagt gaggcgaaaa taaccangat ccacattacc 120

atcaagccct tgacattcgc agcacttgct gtgnggaaag caggccaaga acttgtcatg 180

tgccccatcc acttcgaggc tggatgggat ggggctccaa gtctgagatt tcattgatac 240

tnggcaatat ggtttgtaaa atacagaaac actgcccaat tgtgatgttg tcaatgggct 300

cctgatgccc atattctggg gaaccttaga tactgccata gaagctaaaa gcaccctagc 360

tttcttagac aatccactta gctatctgaa acttgaggca ttccagacct gacatgttta 420

caatgnacca ctgaactttt ttaaattgaa ttaatcagat gtatatttgt accactttgg 480

ggggtggggg gaggttgaga ggaaaatatt gctcgttcta actgt 525

<210> 289
<211> 315
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

<400> 289
ggtgtcaccg gcacagagaa aaagctaagc agaacacagc agctgaagaa ggttttccaa 60

gagtacgggg ccgtgggcgt gtcaatgcac attgggatct ccctggtntc cttgggnata 120

ttttacacag ttgtttccag tggcatagac atgtctgcaa tcctgcttaa acttggcttt 180

aaagagtccc tggtgcagtc caaaatggca gcaggcacca gcacnttcgt ggtggcctat 240

gccatncata agctgtttgc tcccgttcgg atcagcatca ccttggtctc tgtgcccttt 300

gtcgtcagat acttc 315

<210> 290
<211> 505
<212> DNA
<213> Mus musculus

<400> 290
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ttaccaaaga actctatcgg tcttatgtca gaacaagggg ttcagccaaa gttcccaaga 120

aaaaggtaaa cgtcaaggtt ttcatcatca ttgctgtatt ctttatttgc tttgttccct 180

tccactttgc acggattccc tacaccctga gccaaactcg ggccgtcttt gactgcagtg 240

ctgagaacac cctgttctac gtgaaggaga gcaccctatg gctgacgtca ctgaacgcct 300

gccttgatcc attcatctac ttttttcttt gcaagtcttt cagaaattcc ttgacaagca 360

tgctgaggtg ctcaaactct acatcaacat ctgggacaaa caagaagaaa ggacaagaag 420

gtggcgaacc aagcgaagag accccaatgt agaacattac ccaaggggct gcttcagtct 480

ttaatatcca gactgctcca aggaa 505

<210> 291
<211> 279
<212> DNA
<213> Mus musculus

<400> 291
tagccttagt caataaacct gtaggacttt gaacaaaagt gtccctgtga tgtccacagc 60

ccagcagtgc cgagctgtca ccaacactcg tgtctctatt ttactgttgc aatattaggt 120

gaatatggag gtaaaggcat tccacagact cagcatctta aatgggattc gggtcctgtt 180

ttctaaaaca gcagtgtaga tgttcttaat ttgaatctat ttattagtga gcatttcact 240

tgtctcccgc agccagtgtg gtactcattt cttcttaaa 279

<210> 292
<211> 394
<212> DNA
<213> Mus musculus

<400> 292
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tacttaaagg ccctttttag ggccaccaca aaatcaacaa aagagctaag ttgcttttca 120

gtgttctttt tgtcctggaa ctctgtagac caggctggcc ttgaactcag aagcctgtct 180

gcctttgctt cccgagtgtt gggattaaag gcgtgcgcca caagacctgg ccagtgttaa 240

gcttttgtag aactatttac tgcagactta ggggaatccc aatagagcct tctgcttggg 300

acagaaggtt aattttctcg ggggatgaaa atagtgtatg aactcaaact agatgtttgg 360

tttggctgga ttgggctgta tggaggttct gttt 394

<210> 293
<211> 512
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<400> 293
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tgagtaaaac aagcaacacc ctgggctatc aggatacctt gtttatcccg agtttcttaa 120

gttgtacctg atgcttagta ttttttttt ttatctaact cttacaaaac actcctccaa 180

ttaaanctca tattaaaaaa aatttttta atctgttctt atttagaaat ctatggtttg 240

tagccaagtg tagtggaaca cacatttaat cccagcactt ggtagacaga ggctggcaga 300

tctctgggtt tgaggccagc ctggtcaaca tagcgagttc caggacagca gagctatatg 360

gagaaaccct gtctcaaaaa gcaaacaaaa gaaaaatcta tggcttagta cagaccccat 420

ccattagagt aataccacac agcctaagga caccacagct tctaggtgat ttcattcctt 480

acctctaaaa aggcttcttg acacctctga gc 512

<210> 294
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<400> 294
gaaagtccgc ctgaagattc gggaagcaga tggctccgag gatccacatn cactccttgc 60

tggctactgg actcttaaaa aaggtggcag aggagacccc tgtgtgaagg cctggctggc 120

agggctcaga ggtagtagac agaccagagt cagatggcaa tgcagctggc atttggaaag 180

atggaggctg cctgactttt catgcacagc tatgatgctt ctcaggcccg tagccacagc 240

cagcagagcc tgctctgtga tcccgtgtga acatattttc aagggttttn ttttgcacat 300

tgttgtatat gacaagcaca gatggacaga tttgagcttt ggatggagta ggcacctctg 360

tctcattttg aga 373

<210> 295
<211> 91
<212> DNA
<213> Mus musculus

<400> 295
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tctgcgggcc tgggtctctc tggtgtcctc a 91

<210> 296
<211> 244
<212> DNA
<213> Mus musculus

<400> 296
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cagctgagcc agtccccaat gtgaccactg taaccactgc catgcctgag cccagaagac 120

agaacgacgc gctggaagac accagaaggc cacacaataa agagctcttt ccttccacgt 180

gatctgagtg tcggcaccag tgggcaggct cttgctctgc agattaacac gcagtctccg 240

tggg 244

<210> 297
<211> 320
<212> DNA
<213> Mus musculus

<220>
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<222> (73)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
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<222> (79)..(80)
<223> n is a, c, g, or t

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<222> (82)..(83)
<223> n is a, c, g, or t

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<222> (272)..(273)
<223> n is a, c, g, or t

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<222> (293)..(294)
<223> n is a, c, g, or t

<400> 297
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tcctggggga gcnnncncnn gnnataacag caagctggcg cctgcgctct ctgtcaaggc 120

ggcccagacc agtgactcgg agaagataca tctggacgag aaggccttcc gttggctgca 180

caacgaagac caaatggccg tggagaagct ctccgacggc atccgcaaat ttgctgctga 240

tgccataaag ttggagcgga tgctcacgga anngaatgtt cagcgctgag aannggggaag 300

tagtgcaaca cccgaggccc 320

<210> 298

<211> 364
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(182)
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<220>
<221> misc_feature
<222> (185)..(190)
<223> n is a, c, g, or t

<220>
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<222> (193)..(195)
<223> n is a, c, g, or t

<220>
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<222> (197)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (204)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (221)..(224)
<223> n is a, c, g, or t

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<222> (226)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(235)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (256)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<400> 298
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catggaaanc aaggctgcaa gggcaagggg tataacagca gccaaattca tcctcacccg 120

ctctngtaaa antgtttngg aaccgtggtc cctaaattct ngcgtgccgg actaagccat 180

ancannnnnn ccnnnannnn nccnnnnnnn nntctnnnnc nnnncnnnnc cccnnagcna 240

agtggggttt tctttnnaac ttggcagagg agtggcacca ccacccaccc gcatcccctg 300

caccagaact cagtgtttnt acagtgtaag aatcgggaat ctggcagaaa tggcaataaa 360

agtt 364

<210> 299
<211> 111
<212> DNA

<213> Mus musculus

<400> 299
ctgctgagct aggtggacag agtctgctgc cagggagtcc tggctgtgca cagatactgg 60

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cagccctgca ggagtccagt tggcacaatt ccacctccag agaggctggg agtgcagcgg 120

gcagagcagc nggagcctag ggaacctagg ggtcggatcg ggaccgcagg gcacatgggg 180

gataggagtg aaggggggtat gtttaccaaa tgcttgccta gccgcactcc caggtagtca 240

gagtgagcta tatcctgctc ctcncctcgt ctccatggaa ancaaggctg caagggcaag 300

gggtataaca gcagccaaat tcatcctcac ccgctctngt aaaantgttt nggaaccgtg 360

gtccctaaat tctngcgtgc cggactaagc catancannn nnnccnnnan nnnnccnnnn 420

nnnnntctnn nncnnnncnn nnccccnnag cnaagtgggg ttttctttnn aacttggcag 480

aggagtggca ccaccaccca cccgcatccc ctgcaccaga actcagtgtt tntacagtgt 540

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acctggctcc tccaagtgaa ntcgcaggag ctggggcagc cagcatcatg tctgctttga 120

ctgacaaggc catagtgaag aaagaactgc tgtgccatgt ggccgggaag gacaagtacc 180

angtcaataa caaacatgac gaggagtaca ccccactgcc tctngagcaa gatcatccag 240

cgggctgaga gactggtggg gcaggaggtg ctctacaggc tgaccagcga gaactgtgag 300

cactttgtga atgaactacg ctatggagtt cctcggagtg atcaggtcag agatgcggtc 360

aaggcggtag gcatcgctgg agtgggcttg gcgncnttgg gcctcgttgg agtcatgctc 420

tccagaaaca agaaacagaa gcaatgagct gaatgactg 459

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<223> n is a, c, g, or t

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tggctctggg taaaagcctg taagcctcaa gagctaatcc tgtacatggc tcctttgacc 120

tacacactgg ggatttgacc tctatctcca ctctcattaa tatgggntgg ccctannttt 180

gctcttnnat taaaangaaa angggggaga tnttgggagc cgccccccaca ttcgccgtta 240

caagatggcg ctgacatcct gtgttctaag tggtaaacaa ataatctgcg catgtgccaa 300

gggtatctta tgactanctt ntnntctgcc ttccccgtga cgtcaantcg gccgatgggc 360

tgcagccaat caaggagtga cacgtccgag gcgaaggaga atgctcctta agagggacgg 420

ggtttcgttc tctctcctct cttg 444

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tgattctatg ggttagctaa gctcctttga gcagctcctc tgatgtggcc tggtcctgct 180

catgagccca tagtcaattg tcacctcagc tggggctggt tgggctgggg tcaccttcac 240

cattgtggca agtgttggct gcattggcnt tggttactct tgtngcctct ctcaaaggtc 300

agttcaggag aattctcaag atggcctcag gnttccaaga gagagtagnt agtgangagg 360

gcntggagcn ggagactcag ctgtnaagag cacctacatg gtgattcaca acactgtcat 420

ccctgttcca gatgacctga tgccctcttc taggctctgt gggcacagac aaacacattc 480

gagcaagcac ccaaattgct ttcttttggc tttttgagac accgggataa tactggtgta 540

acactggctg tcct 554

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<211> 214
<212> DNA
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ctctgcccca acttccacag ccccacccag gagtgcctca gccctgccaa gaagccatac 120

tcctccctgg catctctctg ccccttgagc ctgtgtatat ccctctgcct acagagaccc 180

accagctgag gtccaactat gttcctgtac tggc 214

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<212> DNA
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caggttgtat atatatttta aatcacaact gaatgaatgg acttcgtaca ctgtggcctg 120

gatcagggac atctctatcc tgtctcaggt gctgaggaca cactatgggg atgaatctcc 180

taagactttc ctgagagacg tactgagctt cccaaggcct tccccccagc actggccaat 240

ggtctctgag ggacacactg tcctcagaca gcctctggtt accaccttta gtggtatctg 300

cctttccctt tgaactatta ttcctgttgc cttttgcttt gtgggtnttg ctgggntttt 360

cttgcnatgg tttggagcnt gaccacttaa ccctgggtnc cagcaggctc acanccnccn 420

cagtgctcgg actggantct ncaaggatgg ctcaagctct tggctcaaan ccnacgaggg 480

agctgtaaca actctccagg tgtgac 506

<210> 306
<211> 535
<212> DNA
<213> Mus musculus

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ccatgcctca gtttctctct caccctctag atgaagaggg aacaaagcat aaagagtgaa 120

atccttgttg tctgagatca ttctataaac gaactgacat tttatttgca aaactcaagc 180

tagtaattca gtagacttga agatgatttt agagcctctt atgcttcaaa caacagaatg 240

aaatccatcc aatgttcttc aaagtgtggt tctctgatta agtcaaagca acactgtttg 300

gcaatgctgc tgtaaagttg cctggaatac tcagaggaac ttgtcccagg gaggtttttt 360

tcacttcttc aaagaacttt tgaatttaag ttctctgttt attcccttga gcaaaactct 420

ggaacctcaa gagtctctct ccgttggttc tgaggccatt ttatagccta ggcctcctgt 480

ggatctacat gtgtatcacc cacttcctat ctcactgcat acctctgtgt agtag 535

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<223> n is a, c, g, or t

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<222> (398)..(398)
<223> n is a, c, g, or t

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ccagtaacat agacacagat agntcctgag actttgctcc ctanccttcc canccaggca 120

taaatgtcna ntcccctgag agtgacagag gaagatactc cccccacaca cacacacata 180

cacgcacagt gatacacata tacatgcata cnaaaaaaaa acttatngta acaaagaaca 240

ccaactgcct ggctcaaaac tntcatgtcc cattactctg tacctttctg tatttagata 300

atttacagtg tgagttntgc tgttccatgt atcctatttg tgttactaac ttatgtcaaa 360

gtatttctaa ttataatcaa caaaagctaa nnnnnnantt tttatgtaag aaggaactta 420

ttgaaactat gtcatttgag tcaaataact actaggatat actgaaaaac catctttgtt 480

aggtagggtt ctctggagta acagaa 506

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gatgctttgc caacactcag aaatgccaca aacataaatg tatgtaagga cactcacagc 120

cctcattcag tgtgtaagtc aatacaaaaa gtatttatta ttttaaacag gaagttgctt 180

tcttgaataa ttcaaaataa tttgacaatg gcacattgac tccttcagag tatggaccag 240

tgtgtcatgt tgaaaagaga agtttcnnga accactcaga gtacccccta angatnaaat 300

ataaaatata aaantantta aggccctttc cttgcngtgg aantcagaca gtaactantg 360

taactgcaag tgagaggcat gggtgaaagc gttagtaact gggttttcaa caaactggaa 420

cccatccagt ggaagcttcc cttcttaata a 451

<210> 309
<211> 441
<212> DNA
<213> Mus musculus

<400> 309
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gttctgagct ccccggcatg acctctgtaa ggagtttcct ttagtctcct attcgcatga 120

atgactggct gtagacgcat gacctacagt cttcagtcct gcctctagcg actatggatc 180

tctgtgggaa tcaggacaaa ggcctcgaga gaagggagag aagaagggag aggatagcaa 240

gccccaaaga gcacacgggt gcagacacga ataataaggg ctttactgtg gccgggatgg 300

ttgatctgtt tgtttgcttt ttgttttgat tttttgactt caacctcatt tgtaagaaat 360

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tcctacatcc tcgttgtacc t 441

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (367)..(369)
<223> n is a, c, g, or t

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tggggagatc ctaccttctc cacccttcac ggctcgcnnn nnncctnngg attttaggtg 120

ttgatttctg gactctgcag cttactttct atgtccaccc cactaaggga tagacagctt 180

gtcagactat tcccattaca aatgtgaaaa actgggccgg gaagagaaga cagaatctcg 240

actgttctat ctaacttctt ctgagtcctc ttggggctcc gtaacctttg ctctcctgtg 300

cctcttcctt ttgacctagg aaagggatgt acctagaagg ggcattgctc tatcctctta 360

cancctnnnc cccacccctt agggttggag cagcagagac ctcatctttt acctgtgtgg 420

ttgtccag 428

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<211> 226
<212> DNA
<213> Mus musculus

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tgtttacaat gtgctcagct gtgttgttta tttaactgcg ttagttgtat actgcggcac 120

tgtgagtgca cccctcatcg aacttttaaa aagttttagt gttggtaaat tcgctcactg 180

aaaccatcgg gagcctttta tgtaatctct ttcctgaata attctt 226

<210> 312
<211> 243
<212> DNA
<213> Mus musculus

<400> 312
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tccagcagcg gcatgcccat acggattgaa aacccaaacc aatttgtgcc tctctacact 120

gacccccagg aagttctgga catgaggaac aagattcgag agcaaaaccg acaagacata 180

aagtcagccg ggcctcagtc tcagctcttg gccagtgtca tcgcagagaa gagccggagt 240

ccg 243

<210> 313
<211> 254
<212> DNA
<213> Mus musculus

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ttggactgga taccactgtc atgatgcgca gcatccctct ccgaggcttt gaccagcaaa 120

tgtcatcttt ggtcacagag cacatggagt ctcatggcac ccagttcctg aaaggctgtg 180

tcccctccca catcaaaaaa ctcccaacta accagctgca ggtcacttgg gaggatcatg 240

cttctggcaa ggaa 254

<210> 314
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<212> DNA
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agacatgctt tgtagtgaag tatagtagca ataatttctg tatgtgatca agagtttatt 120

gcattatttc tttccctgtt ctctttttt ttttttnnnn nnaagggtta gcattaacaa 180

atgtcaagga gtagcaaagt caacaaagat tttagaagga ggaggaacta agagcataca 240

cagacttatg attctttgga tgtgacactt attggatgtg attctaaagt cttttattga 300

acattgtcaa attcgtacgc ttcataggat ggacataatg tttatataat gcccttctta 360

tgtgttacca tagatgtgtg aaaccttata gcgtccttga aagtgttaaa t 411

<210> 315
<211> 225
<212> DNA
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<400> 315
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agtggaggcc tgtaggctac gccttccact tcttgtaagc cttgcttcag tcatgaagag 120

tcttgcttgc catttctgca ctgtactgac tcggccagag gtcccttctc acgtgtcccc 180

ctccttccgc ccgagttgca gtttttaatg gaggcacttt ggaga 225

<210> 316
<211> 573
<212> DNA
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<223> n is a, c, g, or t

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<222> (451)..(451)
<223> n is a, c, g, or t

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<222> (537)..(537)
<223> n is a, c, g, or t

<400> 316
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ggggcaagaa caaggtggca gcccaaaact gtcgcaagag aaaactggaa accattgtgc 120

agctggagcg agagntggag cggctgagca gtgaaaggga gcggcttctc agagcccgag 180

gggaggctga ccgcactctg gaggtcatgc gccaacagct ggcagagctg taccatgata 240

ttttccagca tcttcgggat gaatctggca acagttactc accagaggaa tatgtactgc 300

aacaggctgc tgatggtgcc atctttctgg taccccgtgg aaccaaaatg gaggctacag 360

attgagctgg tctagagagt ggacactggt gctagagact ccctcattcc cttctgatga 420

aggcacttct taatcccaca agatctcaga ntcctccaga ccaaaaggca gatgtaacca 480

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actcaaccat tacctcatct tcttcttcgg aagcgacttt gagaactaca tcagaacggt 120

aagcacgacg atctccccgc tgcttctcat cccctgattg ctggagacag agaaggacgc 180

tcaccagatc aatagagacg catcataacg caacgccgcg aaggcttctg ctcctcttca 240

agctgtagat gctgtcaatc ttgctgccct cggggctctg tggcatccgt taactttgct 300

tttccgggaa gaaaaatgtc ttgtgctagc tccacccctc gaatgcggcg gtggcccagg 360

atttattgtc tacatccagc ctatacttct cctggcttat cctgctttct gaagatgtct 420

tgtaatcaga cacgtgtttt cctaaaataa agggtataga caaaatttaa gcccatggct 480

cagattgggg tgatatttct gtattagcta ttagtgtttc ttcaacctac atgatga 537

<210> 318
<211> 520
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<400> 318
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ggttgatgag atccttcacg tgcccctcct gcatggagcc agtggatgca gcactgcttt 120

catcctatga gactaattga gccagggtct ctcgtctgac ttcaagtgaa ccatcngttt 180

tggtggtttt gatcttttgt cactgagccc aaagagccag ggattaggaa ttaagatcat 240

gcacaaaagt ttcctaaaaa ttcctggatg gctgcagatg ttgagggaag tatgtgatat 300

tttagaaatt taggggaaa gtaggatgga tggtattttt atgtaaagcc ttgacccagt 360

gtttaaaata taattgttat tagaccttgt tcttgctcca gtacatagga attgtgtaaa 420

gtgttacagc aactgtacat gtttaaattg tgtgtgttga agcttaggaa aaagatagtt 480

gttatttttc ctaaatgaaa taagtttctt ctcccaccca 520

<210> 319
<211> 205
<212> DNA
<213> Mus musculus

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<222> (114)..(114)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 319
gtgataactc tttttaaatt cttatgtttt ctaattatac acttgtgtgt catcaagtat 60

tatagtcaga ctttttcccc aggttctcaa aatttgtaaa tgtacttttc ccantctttc 120

atggtgcagt ctaagaataa caacaataac aaaaccccct tctgtnctca gatagtactg 180

aactgagtgc tcttgggtga ttctt 205

<210> 320
<211> 363
<212> DNA
<213> Mus musculus

<400> 320
ggttcactga caattttctt actggctaga gttcttggtg gagaagttgc atatggccaa 60

gttcttggag ttataggata ttcattactt cctctcattg taatagcccc tatacttttg 120

gtggttggat cttttgaaat ggtatctaca cttataaaac tgtttggtgt gttctgggct 180

gcctacagtg ctgcttcatt actcgtaggt gaagaattca agaccaaaaa gcccctcctc 240

atttacccca tctttttatt gtacatttat tttttgtcct tatatactgg agtgtgatcc 300

aagttgtaca tgaatcaaaa agatggtgtt acatttgtat tacgctggga attcttgctg 360

gag 363

<210> 321
<211> 346
<212> DNA
<213> Mus musculus

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<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(316)
<223> n is a, c, g, or t

<400> 321
gggactccct gaaatatgtc ttgtgtttca gacgctcaga aaggttctac agaacaggtc 60

tgtggttatc ttacccatgt ttatacagtg tcctgcagtg aacttttatt taaaaaaata 120

ttgtaatgag atcagatgtt agactccaca ctcgtgcatc acacaccaca taatcggatt 180

tcattgtgct ctgaaatact tctatgcctt ctgaataagt taaactattt catttgtttt 240

gaatgttttg gattgctata caatataata ttctaaattt aggcatgagg gtattaggtt 300

tgttngtttt tnttnntaat tttttgtcat cgcactatgg aacaca 346

<210> 322
<211> 544
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (317)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
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<222> (354)..(354)
<223> n is a, c, g, or t

<220>
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<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (419)..(419)
<223> n is a, c, g, or t

<220>
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<222> (442)..(442)
<223> n is a, c, g, or t

<220>
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<222> (445)..(445)
<223> n is a, c, g, or t

<220>
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<222> (453)..(453)

<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

<400> 322
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tgcaaacata aatatatttg gatagattgc taggtaggta gacacacaga cacacacaca 120

gacacacaca cacacagaca cacgcacgca cgcacatntg gagagggcat agttctccag 180

agcgtcaagg tttccntgaa gttttcaaaa gctgctgtca caatttcatt ccgaggccat 240

cttgcccctc ccccttcact ctgccttcct gagttgnccc cactctgcac gggagggagg 300

gncccaccnt tagactnnct ggggagagnc cacaggnctg ggggccaggt ccgnccanct 360

gtncccatcn cctgggagaa gnccagctca ccaactgagc tctggactgg ggactaccnc 420

tgaccaggag ggaagcctgg anccncaccc gantcancca ntntgcntca cattcntcct 480

gtacctagga ccggaggaaa gacgtgactg ctctaaccgg acctctgact accggtggct 540

ttta 544

<210> 323
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (283)..(283)
<223> n is a, c, g, or t

<400> 323
aggtcttcat gctgtcgctg acatccactg tgagaactgc aagaccactt tgggctggaa 60

atatgagcaa gcctttgaga gcagccagaa gtacaaagag gggaaataca tcattgaact 120

caaccacatg atcaaagaca acggctggga ctgacctagc tcctgccgca tgtggcttca 180

gcctggcctg gccgccaggg ggagccactg gtttcgctcc tcctgaaggg agctctggac 240

cctcagggcc cccacagggg aaggacccag ctcctgtaca tancatttta ttgcatgcac 300

tgtgaccttg gggggagaca aagaggggga ttgtaccccc acccccctgca cctccctgcg 360

atctggctgg cttggatctc atttttttaac cccttcctgt cttgcctgtc ccatagataa 420

ggcctgtgtg ctgctctcat ggccctggtg caccaccttt ctgtgaatct 470

<210> 324
<211> 451
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<400> 324
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ctgccgacgc ctgctccggg gcccagaagg ctgtggggta catctgcaaa tgcagcggtg 120

gccggggagc catccgcgag tttgcagagc acattttcct actgatagaa aaagttaata 180

actcatgcca aaaatagaaa atgttgtagt gtgggggnaa gggagattga agccttttcc 240

agccattttg cattgttttn gatcaagtcc cgaagtgtaa tctgcaggtg tgtggtctga 300

tccnntgagn ntagttnctc tattctcaaa gctgagtttt ctccnantca tggttcctga 360

acccatgaca taatcatgtc tgttttcctc ttgatgcgag gtaattaccg agggattgac 420

ctantcttgc tccgacctca taaacaatcc a 451

<210> 325
<211> 194
<212> DNA
<213> Mus musculus

<400> 325
gttccgtgac ctgaaatgga cctgttggga ccgcctgaag gtgcccgctg tgcagcctga 60

aaggacactg aagtcactgc tggcccatct ccaggaagaa catggactga aggtggagat 120

gcttctccac caccaggctc tgctctattc ttcaggatgg tcatctgaaa agcaggctca 180

acacctgtgc ctca 194

<210> 326
<211> 334
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (187)..(187)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<400> 326
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ctagcacata cagcttccct taacagaata ttttacgaca gtttcataca gggttgcctt 120

aacgggaatt ggtttccaac tccagatggt tgtaagggct cgtgcagaaa tactgatggt 180

ggacacnaan ncntcagcag ggacgtgtag tgtccaggtg tgactaccgg agttttgaca 240

agcagtataa tatacctgtg attttgtttt ttacattagg gataatgcat aagaaattaa 300

tctttatata tatcatgacc cctaatgttt ggga 334

<210> 327
<211> 530
<212> DNA
<213> Mus musculus

<400> 327
ctctttgaca gttttcctgg acaaaaacaa gatacgataa aagcagaaac caggtttgat 60

tttgtatggg agtgaaatca ttacagtttt atgggtataa atctacattt ttaaacaaga 120

tttttctctt ggagaagaaa cctgttgttt ataagaaggc tttggacagt ttaatagtct 180

taaatgttct gctttgctgt tctagtcctt ctcaggaagg cccagctggg cctgtggcta 240

gttcagaatg ggaggaaaca taggctggga caatgctcac cctgaactgc cagcgtgtgg 300

gaggccaagg caggaagagc agatgttcag ggccagcttg gacatcaaga ggctcaaaac 360

cagtaggaaa aaaaacagag cccagtaaca ccctctttta tattcctttt gtggaatcat 420

gtagcatgtg agactgggtt ggaagggaac tggcatatgt ggtatttcag ttaaggtgat 480

gtggtggacc ctgatgtgta actggccttc acctttggac atacaggaat 530

<210> 328
<211> 443
<212> DNA
<213> Mus musculus

<400> 328

ggacaaattg ctgtggaagc tcaatgtgta gaggagaaat ggctcctgat ttgcctgaat 60

atgaagattt gggaaagaac agctatctga cacctggaag ggctcagcca gagtaacagt 120

tgtggcttga ctggtaacaa tatcatagtc taggagtgaa gcaagcactc tgcattgtct 180

tgggagtctt ctgtctcctg gtatgggagg aatgatgctg tagaggctca acagcaggaa 240

gcagcccatc acagtgtcca gcatgtgctg tgtgatatgc aaaactgaac tcatataaga 300

tcaacactgt ggtgtgaact ctgaggcaca gtcatactga gaaatcattg ccaattttta 360

gctctgaagt tccttaaatg attctcacaa ggatctttag ttttcacttt aataagatga 420

atatatgcca tgatgtcttc aaa 443

<210> 329
<211> 226
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<400> 329
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cactgcaaac cttcagtgaa gggggtaggg tggacaaaat gctaattttt ttttttngat 120

gggatgggtt tttctctttg taattatttt aattaacttt ttggttgttt gtgcaatatt 180

atatatttta aattataatg catctcccca gagtattttg tagctg 226

<210> 330
<211> 323
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<400> 330
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gctccaagca gctacctacc ttgactccca tagcttagga cacaagccag ctctgagcta 120

catgaagtaa tgagcagaga tgagtactca cagtccatca ccaggccagc ttctcctcag 180

ccctctgttc ttgaaggggt gtgctggggc aagcatcctg agactcctgt ctcctgcaga 240

ggccctcctt cctgaagaca gtcagcctgg ggctcttacc ctgagacaat gagggccgca 300

tgaagatctg gtgctgcgcg gat 323

<210> 331
<211> 426
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<400> 331
agcttcgctt ttgctaacat ccaaggtgca tactataatc caggttgatt cccttatacc 60

ctaccttccc tctncagccc agtccccaat gttttgagac aacccaagac tcttctcttt 120

gcagggaaac atgttcatag ccaatgttaa agaaccacat aaaagagtcc tcatttctca 180

tttctttnga cattgtggtt ttnttctanc aagtaacgaa tctggcttgt tttattttca 240

tttttctggg tcccaaagag aacagcttta atgtcttttt cctgcttata gggaaagtat 300

aagtttggtt aaaatgtcat gtttgttgtc tttccaaaaa cctttataat tacagagggc 360

cttcttcaat actgctggtg ttggaagagc caacatctat cacaggcttt tattatctag 420

acatca 426

<210> 332
<211> 259
<212> DNA
<213> Mus musculus

<400> 332
agcatggctc gctcggtgac cctggtcttt ctggtgcttg tctcactgac cggcctgtat 60

gctatccaga aaacccctca aattcaagta tactcacgcc acccaccgga gaatgggaag 120

ccgaacatac tgaactgcta cgtaacacag ttccacccgc ctcacattga aatccaaatg 180

ctgaagaacg ggaaaaaaat tcctaaagta gagatgtcag atatgtcctt cagcaaggac 240

tggtctttct atatcctgg 259

<210> 333
<211> 222
<212> DNA
<213> Mus musculus

<400> 333
gatacagcat tctcagcgag tcgcggctgg gttttaccag tgacacagac cgtgtcgaaa 60

tgaggatggc tgtcatcaga gaacacctcg gcctaagctg ggcagagctg gcccgggagc 120

tgcagttcag cgtggaagac atcaaccgga tccgtgtaga aaaccctaac tccttgttgg 180

accagagtac agccttgctg accctctggg tggaccgtga ag 222

<210> 334
<211> 52
<212> DNA
<213> Mus musculus

<400> 334
acatttgact tctatgtttg ccccgggcat actgtaccaa cagggtgtgg ag 52

<210> 335
<211> 564
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (269)..(270)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (307)..(307)
<223> n is a, c, g, or t

<220>
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<222> (319)..(319)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
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<222> (424)..(424)
<223> n is a, c, g, or t

<400> 335
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gcactcccgg gggaagaaaa agggcaagaa catttgactt ctatgtttgc cccgggcata 120

ctgtaccaac agggtgtgga ggcccgagag agggctactg tggcaaatgg ggctgtgaga 180

ccactggaca ggcatactgg aagccatcat catcatggga ccttatttcc cttaagcgag 240

gaaacacncc tcggaatcag ggccccttnn taatactctt attaatccta ctcttcggac 300

ccntgtnttc tcaaccgcnt tggtccagtt tgtaaaagac agaatttcgg tggtgcnggn 360

cctggttctg acccaacagt ntcaccaact caaatcaata ggtccagaag aagtggaatc 420

acgngaataa aagattttat tcagtttcca gaaagagggg ggaagtgaaa gaccccacca 480

taaggcttag caagctagct gcagtaacgc catttgcaag ggcatgaaaa agtaccagag 540

ctgggttctc aaaaagttac aagg 564

<210> 336
<211> 455
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<400> 336
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aaaaacaccg acatcgccaa ggagctctgc ctgccgcctg tgaaactgca ctgctccatg 120

ctggcagaag acgccatcaa ggccgccctg gctgactaca aactgaagca agagtccaag 180

aaggaggagc cagagaagca gtgagccctg gagacactcc agccagtcac agcagctgct 240

tcctgccacc ctgcacatca aagaagctac gcaaaacgca cactattcac cacttgcaca 300

aaatgtgccg ttgattacac ctgatcccgt gttcctttca gctcacgtgt gtccttagtg 360

cagttagtnt cttgatttag tttgtggcct gggactgaaa tcagcaccga antcttaagc 420

tctggagagt gacaaggact tgtacctgac ctgag 455

<210> 337
<211> 471
<212> DNA
<213> Mus musculus

<220>
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<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
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<222> (384)..(384)
<223> n is a, c, g, or t

<220>
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<222> (402)..(402)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<400> 337
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cagtgactcg ggactaccct cggacattcc acatgtgagn ctcgactcac ngccttcctt 120

tgactctatc tacacaggct cctctcttga tccaccatca agcgaacccc cagctccacc 180

ctcacagccc cctctgcctc ctaaggtcct gatgtcctcc aagtctgtga catatgccac 240

agttgtcttc ccaggagggg acaaaggtaa aatagcctcc tgtgagccag ttcaggaccc 300

accaaacagt caaactccac ccagtaaata agagtacact ttaatttatt actnttggga 360

tcacccctgg ggaattctnt ncancccggc caactagctc tnccttttat ncccagagta 420

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<210> 338
<211> 559
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
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<222> (53)..(53)
<223> n is a, c, g, or t

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<222> (135)..(135)
<223> n is a, c, g, or t

<220>
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<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (341)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (394)..(394)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (457)..(457)
<223> n is a, c, g, or t

<220>
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<222> (483)..(483)
<223> n is a, c, g, or t

<400> 338
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ggcacaaatg aggtgggaaa gtggggtttg tgctgaggtt ctggttcgga agagcagggg 120

caagctctcg ggctnaaggg tgggatccac gcgtggctcg aggacacaag ggaaaccggc 180

tctttcccct gcggcacccc ctccctgcgc ccacangccc tttatttatg gcagaaagtg 240

accagatcct gtgtatttgt tttatatatt taataactgt tttaaatgaa agttttagta 300

aaaaaaaant acnaaacnaa aagattcaac tnctaaagct nntngtnanc aggagctctt 360

tgtatctgaa tgtagttgta tttgaanctt cttntttgtt tttttnaaag ggggggacga 420

gggaagattt gacacggatt tattgtaatt gcttacnaaa gaactttatg aatcttttcc 480

aantcgatct attcagtgac atggcctggt gggcgtttct tcttgtatta atgtggtttt 540

ctggctttta atacagaca 559

<210> 339
<211> 41
<212> DNA
<213> Mus musculus

<400> 339
tattcttggt tcatcatact ccagaccatg tatcctctgg t 41

<210> 340
<211> 569
<212> DNA
<213> Mus musculus

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<222> (72)..(72)
<223> n is a, c, g, or t

<220>
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<222> (75)..(75)
<223> n is a, c, g, or t

<400> 340
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aggccccaag gnccntgagc ctccagccca aacccttaga cctctgggat cacgttgagt 120

tctatttatt tatttactta tttatttatt tgtacccacc cttccctcac ttctgcccag 180

ctgggctcca gagagaggac cctgcccatc ctccttttga agccaggact tattcttggt 240

tcatcatact ccagaccatg tatcctctgg tgtcctggct ggaagaaggg gcgtgtggcc 300

atgcagcccg ctctcccaag ctgtcccagc aaatgggcag gaggggcatg gcctctttta 360

tatatatata tctatttatt ttatatgtgt gtttgtgagg aagaggatat ttgtcatttc 420

cttaaggctc tggagtgttg tgttcgattc tgcacagccc agcctccccg agggcctttc 480

caagcacagt ggggatttct tagaacagga gagaggaatc catgaagcag gagaagcagt 540

gcctgccagc tgtggtggac cttcctaag 569

<210> 341
<211> 323
<212> DNA
<213> Mus musculus

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<222> (108)..(111)
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<220>
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<222> (251)..(251)

<223> n is a, c, g, or t

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<222> (264)..(266)
<223> n is a, c, g, or t

<220>
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<222> (272)..(273)
<223> n is a, c, g, or t

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gtttattttc atgcctagtt aaaaaacaaa caaacaaaca aacaaacnnn nctgaaatct 120

gagaaaagtg cggctaagaa acagctcagt ggtggagcat ttacctaaca tgcacatggc 180

cctaagtggg atacccagac agacagacag acagacacac acacacacac acacacacac 240

acacacacac nctctctctc tctnnnctaa gnnaagctga tggctgactt gataattaga 300

gaattatcct tttgtttgat gtg 323

<210> 342
<211> 524
<212> DNA
<213> Mus musculus

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<222> (144)..(144)
<223> n is a, c, g, or t

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<222> (293)..(293)
<223> n is a, c, g, or t

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<222> (436)..(436)
<223> n is a, c, g, or t

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<222> (438)..(438)
<223> n is a, c, g, or t

<400> 342
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ggttacttta aaattttcaa attgggcact gcctgtgttg cagcactact gtatctttgt 120

tgagcgacct aacagtattt cccntgttgt gaaagttaat tctgatgatg tttcacattc 180

accagctttt tttctgtact atttgcatcc ccaaatactt agtacaagta gaattgtgca 240

tggcttgggc attcaaagat aagcgagcga tgagtcagtc tgagtttcta aanccatgaa 300

aacttgcttt gagactgaat agttctgagt tatttacaac agcaccaatt gtccaagttt 360

ctttccctac tgtaaaagaa ttgatcagtt tcttcattaa agcagcaaga aattaattaa 420

atttgtacat accatntntc ttagatttct gtgtatgttg tgaaggacat tattttgaga 480

agaaatgtac aaaggcatat tacaaggcta tgcatgcacc gtcc 524

<210> 343
<211> 575
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (118)..(118)
<223> n is a, c, g, or t

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<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (456)..(456)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<400> 343

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ttggtactag tctggcaaaa gagaccctga gagggantgg ggctgtccca aagcaatngg 120

ccttctagca gtaatgacta tctggagtat tctcttccca tctcccacga gcaccagaca 180

catgccagtc tcactggcca gtagaaatgg agaactgaga cccttagaga caaacccact 240

caccaaatct agcagtttct aagtatccca gttagagatg caccactacc aacacaaatg 300

aaagcgggaa ccaccancca tctgaagaga agtngttccc agcacccact tacgnccctg 360

gacatctagc cctctgattg aggttggagt tctgggacac cctgagtagc tcactgacta 420

tcactacatt agttgaatgc acttgataca ttgtgncctc ctttctntca agagcacact 480

agatagcacc aagcactgcc caagtgtgac atactattcg aggtgaacag agctcataat 540

ggaagtgtaa ggtgtgccgc tgtgtaatat ttcta 575

<210> 344
<211> 162
<212> DNA
<213> Mus musculus

<400> 344
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ccagaatttt gtgtggagcc cttgtctttc ctactattgc gacaatagtt ggtaaactga 120

tgttcagtag tgttaactca aatttacaaa ggacaatctt gg 162

<210> 345
<211> 290
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<400> 345
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actgacttct ggttgttctg aggcctctca tcctgacgag tctgttgtgt tctgattcca 120

tcattaatgc gctagtggag acttgtgacg ctgctcctat attctaagag atacaataaa 180

gcacgcaggg ccggggcaag ccgcccagta atcacggacc taaggacacg cgtcagctnc 240

tgtcatttgt atgttctact tttatggcag tcggctaaac cattatttta 290

<210> 346
<211> 285
<212> DNA
<213> Mus musculus

<400> 346
ttacaacgca cccacagtga agttcctcac accctgctac caccccaacg tggacaccca 60

gggcaacatc tgcctggaca tcctcaagga taagtggtct gcactatatg atgtcaggac 120

tatcttgctc tctatccaga gcctgctagg agaacccaac atcgatagcc ctttgaacac 180

acacgctgcg gaactctgga aaaaccccac agcatttaag aaatacctgc aagaaaccta 240

ttcaaagcag gtctccagcc aagatccctg atgcaagctg gccgc 285

<210> 347
<211> 276
<212> DNA
<213> Mus musculus

<220>
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<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
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<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<400> 347
gagagaaagt taccctggtg cccacctcac aaggtcatat tgcttgtgtg ggtgaccatc 60

tactctgtca tgggctatgc ntcctacctg gtatggaagg aactcggagg gggcttccgg 120

tggcccctag cactgcccct tggtctctac tctttccagc tggccctcag ctggactttc 180

ttggtgctct tcctggcnag cngacagccc tgggctggcc ctcnctggac ctcttactgc 240

tctatggact ggtagcaagc ctggtgttta tctggc 276

<210> 348
<211> 139

<212> DNA
<213> Mus musculus

<400> 348
gtagtttaca ctctggcttg tgcaactgac tctgtagtta tgcctcttca ccacaaggtg 60

gaggcattac ctcattcacg ccatggtctg agcatggtgg gacacagtga gaccaaataa 120

ttactaggcc tggagggat 139

<210> 349
<211> 523
<212> DNA
<213> Mus musculus

<220>
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<222> (212)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<400> 349
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cagctcagag actgtctatg cttcagtcta tgtcaacttg tgcttacata tctcactgta 120

aaacaaaaca acacagaata atcactcaga cgttgtatca attagacaac ttttactaaa 180

tgagaaaact acatttaaaa tgtgctttaa anaaaannna annanaaaaa aaaagacata 240

tgcattttaa agaacttttg cactgtgctg aaaatcaaat gttacttgca gtaatataat 300

gtgtcaatcc ataaaatgtt aacagagttc tcaatttaac actttcaagg acgctataag 360

gtttcacaca tctatggtaa cacataagaa gggcattata taaacattat gtccatccta 420

tgaagcgtac gaatttgaca atgttcaata aaagacttta gaatcacatc caataagtgt 480

cacatccaaa gaatcataag tctgtgtatg ctcttagttc ctc 523

<210> 350
<211> 296
<212> DNA
<213> Mus musculus

<400> 350
ggaccgagaa gaactgctcc gggctctgct actcaaacgc agccatgctg aggacctagg 60

gaatctggag gggtagaagc ccgccgtcct gacccgctct gggggcgcct ctgagcctct 120

gcttcctcac cagccatcgc tggagaccca gctgtactgc ggacaggcag agggggctc 180

agaaggaccc tcaacatctg ggactctgaa gatcccccca gattcagaaa ccacactggt 240

gctagtgggc cgggctaatt ttctggagaa gcctgtactg ggcttcgtga gactga 296

<210> 351
<211> 229
<212> DNA
<213> Mus musculus

<400> 351
gaagccatca agttctaccg tagggcgatg cagctggtgc cagacattga gttcaagatc 60

acttacaccc ggtctccaga cggcgacggc gttgggagcg gctacatcga agagaacgag 120

gacgccagca agatggccga tctcctgtcg tacttccagc agcagctcac gttgcaggag 180

tctgtgctca aactctgtca gcctgagctt gagaccagtc agactcaca 229

<210> 352
<211> 40
<212> DNA
<213> Mus musculus

<400> 352
gtgacttaaa gtctggatcc tgttctcaca ttctacaggg 40

<210> 353
<211> 284
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (134)..(134)
<223> n is a, c, g, or t

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<222> (140)..(140)
<223> n is a, c, g, or t

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<222> (143)..(144)
<223> n is a, c, g, or t

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<222> (156)..(156)
<223> n is a, c, g, or t

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<222> (174)..(174)
<223> n is a, c, g, or t

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<222> (184)..(184)
<223> n is a, c, g, or t

<220>
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<222> (187)..(187)
<223> n is a, c, g, or t

<400> 353
ggaggaggaa ctaagagcat acacagactt atgattcttt ggatgtgaca cttatnggat 60

gtgattctaa agtcttttat tgaacattgt caaattcnta cgcttcatag gatggacata 120

atgttnatat aatncccttn ttnnatgtgt taccanagat gtgtgaaacc ttanagcgtc 180

cttnganagt gttaaattga gaactctgtt aacattttat ggattgacac attatattac 240

tgcaagtaac atttgatttt cagcacagtg caaaagttct ttaa 284

<210> 354
<211> 427
<212> DNA
<213> Mus musculus

<220>
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<222> (277)..(277)
<223> n is a, c, g, or t

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<222> (285)..(285)
<223> n is a, c, g, or t

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<222> (304)..(304)
<223> n is a, c, g, or t

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<222> (306)..(306)
<223> n is a, c, g, or t

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<222> (318)..(318)
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<222> (322)..(322)
<223> n is a, c, g, or t

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<222> (357)..(357)
<223> n is a, c, g, or t

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<222> (366)..(366)
<223> n is a, c, g, or t

<220>
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<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<400> 354
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tgagctggac ctgatagcac accctattgg aaagaggcca gatttgactt ccgacattga 120

tttgacatta caaagtgtta gaatatgctt ctttatccaa gctatttcta ggcagactga 180

tacttgcttt tggtgaatta ggcagggcag tgaagtcagc tagtcataca aataaacaga 240

tgggtattgt aggctcagtt tccaagtgaa ggaaatngcc tgagnttgaa caagtgaaac 300

tttntntcat tgactttnaa antggtttct gattagtaaa gcttatgctt agctttncac 360

tcccangtta atggcatggn ttntcttgag cagagatagt ataatactgc atttccagtg 420

ggtgaac 427

<210> 355
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<400> 355
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acatcctcgt aagaagtaaa aatgacctgt gtgtcctatg gtttaagagc aaattttaaa 120

acttggaagt tgtggttttc cagtttgtgt acactcaccc ccaaattgta gtctttcaag 180

tcgtgtgcat tgcacgttgg ataagccagg gaaattgtta acaaataagt attttgtgtg 240

tgtttagtgg ttgctttgta ttgagagaaa agctttgagg tgtgattaaa tcgtaagctc 300

tgattctatt tgggagaaac aggaaaaaag gtgcacttaa tctctagcta aaacagcgta 360

atttttcaac ttttaccctt aaattataat ttcaagatgt ttagacatac tgtatcttgt 420

gtttgtgtac cccctcccca atattatggt ttattcttta atgcctttta atttggatat 480

aatagcttgt actttagatt ttggttgcta tcttgccaa 519

<210> 356
<211> 391
<212> DNA
<213> Mus musculus

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<222> (230)..(230)
<223> n is a, c, g, or t

<220>
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<222> (234)..(234)

<223> n is a, c, g, or t

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<222> (251)..(251)
<223> n is a, c, g, or t

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<222> (255)..(255)
<223> n is a, c, g, or t

<220>
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<222> (272)..(272)
<223> n is a, c, g, or t

<400> 356
gatgcctccc tcctagagga gttgaccaga gtggccctca gggccagaac acttgaccaa 60

tcagctgttg gcaggggacc atgagatttc ccaagtggca ttttcatctc agttttaccc 120

tgactaaaga ttgtcttagg ggaatcccaa cccaaagtga atagtgggaa gaggggtctg 180

gcattccttc agggggcatg cagcagcccc gtactcgcca cctgccccan gggngcatga 240

gcagctccat ncccntctac ccaccccaag gnttgggttg aattagaaaa atgcctattt 300

ttcttgtatc gatgtagaaa ctctattttc tcccaaagac actatttttg cagctatttg 360

aagtttgtat attttccgta ttgcagagct t   391

<210> 357
<211> 361
<212> DNA
<213> Mus musculus

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<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
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<222> (255)..(255)
<223> n is a, c, g, or t

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<222> (264)..(264)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

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<222> (289)..(289)
<223> n is a, c, g, or t

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<222> (295)..(295)
<223> n is a, c, g, or t

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<222> (297)..(297)
<223> n is a, c, g, or t

<220>
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<222> (300)..(300)
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<222> (307)..(309)
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<222> (319)..(319)
<223> n is a, c, g, or t

<220>
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<222> (322)..(322)
<223> n is a, c, g, or t

<220>
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<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<400> 357
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cagctctgca cggaggactg gagcagaggt gccactcagt gccatgcctg agctccatga 120

tgaatggttg gggttagctt tgaaataagt gctgttgaga tagccgcgat ctaaactttc 180

tgttcacatt tgatagagtt gagcagctaa tgaacgcttc cattttgctg tttggcnttt 240

gaacactttc tgttnaattc tgantctgac tttaanccct tccagaatnt ccttntnctn 300

tttttannng aattcattnc cnaanagata gggtncccta gttaaattcc gttgtgtgct 360

t 361

<210> 358
<211> 468
<212> DNA
<213> Mus musculus

<220>
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<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

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<222> (213)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(359)
<223> n is a, c, g, or t

<220>
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<222> (361)..(361)
<223> n is a, c, g, or t

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<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<400> 358
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ccaggagagg ctgcagccct cacgtgaacg nagttgagaa tgtgctgcct ggacagaaat 120

ggctacaggt gccttgctct tccagtccaa gatggcagtg ataatggcag tcctgcccag 180

acctgcctgt tatctgnctc catccagcct cannttttat ccccactgag gtgacaggag 240

catctgcaca aaccaggcca gcgacaaggg cctctcccat ccggtggctc agcctctcca 300

gtcagccttg gcttatagac tctctgcaag ggcagtctga ggggggaggc tggccngnna 360

ncgggngnct ncccccccnac cccacaggcc cagaggttta caagtttcta agcttttgat 420

aatgtgaagc tccaggtaga gaggatgcct gccggtgagc acattaca 468

<210> 359
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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ctgtaaaccc tcaggacggt agcagggtca acacagcctt tgcattgtgg caaattgggg 180

ttttgcttcc tttgtggtta gagacagatg tttgtgccta tcaacgttta tcttgtggtt 240

gngtcatata atcacttgct atatattgtg accctgtgca atgaagcaga attgtacata 300

catagtatta tttgagtacc tgaaattcct aagctcaaag acaatataga taaacttgta 360

aggtttagag ggctggccnt cgtgtaagtg gttaatagag agtgaaccct ggtttgaggg 420

tggtgagagc tgggtggatg tggtcaccnc tgggccagac tgttgccagg aaggcattca 480

tgcttgggtt ccttat 496

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gtctctccag cagcaaagta gtgatagaaa aagaaattgg cttaacttca tctccattgt 120

tcagggaaca acaaatggaa gcttgacttt gccaagactt gaattccttc gggaatgaca 180

ctaataaaag accaagacct cctgattgaa ctggatgtgg agtgctctgt aggctgcaca 240

ttttttggct ttgtagtttt cctttctcag ttaacatctc acactgaaac attccacatt 300

ccccagcagt gcggggccaa ctcaagttta cagtcctgac tgaaagtcac cctgcttcta 360

gcttatctga accctgcccc tcactcctat ttattaagca tcacactacc agggag 416

<210> 361
<211> 92
<212> DNA
<213> Mus musculus

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ttagtgacac aacggtgaca ggtagctggg ac 92

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caaaacgaca actgttcacc aagcttataa aacacgatag tactgtccct cttttctgaa 180

ccatcagaga cacaaaactg ttagtgacac aacggtgaca ggtagctggg acnnannnna 240

ncnnnncntg aagaattttt annanttngc ccanttnntc antntgtnta atcccggnat 300

ntanctnctg aantcttncg aagtaaantc cccntgaccg atntcagtta agctggtgat 360

acctggagaa g 371

<210> 363
<211> 69
<212> DNA
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gagttcgat 69

<210> 364
<211> 319
<212> DNA
<213> Mus musculus

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tccacccgag agcgggcccg aggggaagag ctggatgagg atctgttcct gcagcttaca 120

ggaggccatg aggccttctg agggcagccc ctgctccact caccacctcc agggaccccc 180

caaaggccac acccacctga acacactgct ccatcactcc cgggatgtac actgctgggc 240

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ccagcctagg gatgatggg 319

<210> 365
<211> 112
<212> DNA
<213> Mus musculus

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tgagtcccac tttggccatt gtctatttga cagtaacagt attcccaatt tt 112

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<223> n is a, c, g, or t

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nntnnnnnnn nnnnntntnt gngtgtgtgt gtgtgtgngt gngtgtgtnn gtacagctgt 120

gtgcgtgcat acaaacttgg gtttgtgtag ggtgtgtgtg tgagagagag acagaatgtg 180

catgtatgtg taacacaggg gtttagccac ctcttaccta gggctcagac tcacttgtcc 240

ctctcctcct gcctgtgtct ccttgctttg gtgtcctgac tgaggaaggt gtccagggac 300

agagtcaggc ctaaggactg gggaacctcc tctcacctga ccagactctg acccacctac 360

ctcagctggg atgaggggtg cccctcattc agtcacatgg ttcccagtta ctccactcct 420

cacttaagac tctgacccan cctcaaccct taactcttgg ggcttggctg aggggaacaa 480

gcatttgctg aaacttgaaa aacnaaacaa acaaacaaaa aaatgggaaa aattgtacct 540

ggtacat 547

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<223> n is a, c, g, or t

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acaaaggaag tatgctgctg atgcccagac agtgccattt gaatattagg tgaccgtgaa 120

acaccatact gccaagtgtc tgcaaaccag aagacagttt agttcaggaa atattttgcc 180

aaattcaggg gctttattaa aatcaaagag gagaaagagg aaatattttg tccttagatg 240

ctaatatgtt ttaggctttc tttttctgtt ttataaagtt aacccagtat ttacatttcc 300

atattgtgtg aattgaacca tctaaatata tttttctttt gttattgaaa ggtaccnaag 360

gctttttatg ttttgtttgg tttgtttgat tttattgtag ggtttgtttt tttttttnct 420

agaaatacct ttnatataga ctagtcccca agtntctggg tctacttcag tctgtgtaat 480

tggtttttac ctcagttca 499

<210> 368
<211> 527
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tattcctggc aagtagactg cactttaaat aaaggctacc tcagcctcta gccgtaacct 120

ctcccttctt ttctacaaat gaagttaaaa accctgcttt ataagctgct gggataacct 180

gtcagatcca tccttacttg gtttttatgg taccagactt tgacacagac caggaacctc 240

tcctgggggc ggtcaaaggg cagatgagac ctgtggctgg tcaagtaagc cagctagcag 300

gaccaggctc ctgaagaaca ctgctggcta gtaaaacata cgttttcaaa gtacantgct 360

cactttgacc acagnccatg acagacttaa aactgcttcc tccaattaat aagtggacca 420

caactccagg gtggtgtttc tgtgctgtga cttacaaata aatcactgtt ggagagctac 480

tacttagctt gtgtaggata aaactagact cagctctttg ttatgaa 527

<210> 369
<211> 229
<212> DNA
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tcctagtcac actngggcga gaagatgaca gaggaagaag tagagatgct agtggcgggg 120

catgaggaca gcaatggttg catcaactat gaagagcttg tccggatggt gctgaatggc 180

tgaggacatt ctgtatcccg agtntgttcc ttgcccagtg tgatttctg 229

<210> 370
<211> 184
<212> DNA
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ccnntcctnt cctnccnttn cctgctcctt gaacattacc aaagagaatg gggatcgtnc 120

cnncccactc tnccaacnct cttcccccac cnccgtgctt gggaataggt tttgccaata 180

aacg 184

<210> 371
<211> 331
<212> DNA
<213> Mus musculus

<400> 371
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ccaagagaaa attgatttaa tgtgtttatt ctgagggtga ctgtctggtt ctaggaaatg 120

ttttgtaata caaatgctta ccctattggg ggcggggcgt cggggagtct tccagaggaa 180

gggcacactc actcacacac agccagctat tgccggcaga ggatcatggg gttcagtctt 240

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tacttttgc caaatgtcag aacaggtaca c 331

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<211> 372
<212> DNA
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attaaaagga aaagaatctt gctgttttca gtatttcttg atttcatttt ttgtaaatat 180

aaagaacttc aattatgaaa aaaattaaag atatatgtnn atatatatct ttaaaagttt 240

tacagaccta tattgtttat tccctacatg gaacattttg agttttggta ttgttttcag 300

attgattgat tcagatatga tttgttttca aatgagactc cattagcttc tttccctgcc 360

tcataaattt tt 372

<210> 373
<211> 491
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ggagaagagg gtcacgggct gcccancnnn nnntgnanan nnntntctng nnnnnnnnnn 120

nannancnnn nnaattccan nnnnnnnctg nnnnacangt gaggagcctg attgcaaaga 180

catcacagcc aaggtgcagt acatcaaagt gggagattgt aagtcccaag aggaagtgga 240

cattcattac tgccagggaa agtgtgccag caaagctgtg tactccattg acatcgagga 300

tgtgcaggag caatgctcct gctgcctngc cctcgaggac ggagcccatg cgcgtgccct 360

tgcactgcac caatggctct ntcgtgtacc acgaggtcat caacgccatg cagtgcaggt 420

gttntccccg gaactgcagc aagtgaggcc tgtgcagcta cagcggattc ctactgatac 480

ccatgctatg a 491

<210> 374
<211> 315
<212> DNA
<213> Mus musculus

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<222> (221)..(221)
<223> n is a, c, g, or t

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ccactctcat taatatgggt ggcctatttg ctcttattaa aagaaaaagg gggaactgtg 120

ggaagccgcc cccacattcg ccgtcacaag atggcgctga catcctgtgt tctaagttgg 180

taaacaaata atctgcgcat gagccaaggg tatttacgac nacttgtact ctgtttttcc 240

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ggttgttctc tttaa 315

<210> 375
<211> 467
<212> DNA
<213> Mus musculus

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tagtgcggca aattaacaga aaaactccag tgcctgggaa ggcccgcaaa aagtcatcng 120

tgtncagctg ctttaatgta ctgaatgcat tgtagctctg agccaggtct gaagaactgt 180

tgcccaattc agcagtgcca gcattccaac tttgttaaac ctaccaacat cttaaacgga 240

ctttcctgtg gtggtaccct gagaggcgga tgaaagctac tctgtcagtt tgcacattct 300

aatcactttc cagtatcacg agagattttt acttatataa tagttctaga gtatgcagct 360

ggtaaaacca gaggctacat ccagtattac tgctaagaga cattcttcat ccaccaatgt 420

tgtacatgta tgaaaatggt gtactgtata ctttaacaca ccccata 467

<210> 376
<211> 550
<212> DNA
<213> Mus musculus

<400> 376
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tatatgtttc ctttttgtt tacataggga acaatgttta tagttgtgtg tacagtgggg 120

gtctacaaca agaagtgtat attttcaaac aatttttaa tgatttaaca atttttgtaa 180

atcattttca ggcttctgca gctgtagatt ctcactgtga ctcccttgct tgctcatgca 240

tatgtgtgtc tgcaatacca aatatacagg tttagtatct gcctgttagt gattgtttcc 300

catgtgtaac gtttcggttg agatgttaac tggtggacga gtactgtgga tgtgaatgtg 360

ggatgtcatt ttaatcatgt gtaactggtc acaaggccta atttgcagta actattgctg 420

ttttatttaa caatgccttg ttgttttgta tgcataaatg tttgggtgta aagattgtgt 480

gtccatccaa cagggagcca cagtatttaa attgaccaac ctgatgttac aacgactttg 540

aggtggccaa 550

<210> 377
<211> 234
<212> DNA
<213> Mus musculus

<400> 377
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agtgactgct actgatctga gtgcaaaacc atccctcgct gcttcctcaa gtctctcttc 120

tggtgttgga tcacttgctg aaatgaattc aggcgaagct gagtcacgaa acccaagctt 180

tccaactgta ggagcaggtt cagaggactg ggtgaatgcc attgagtttg tccc 234

<210> 378
<211> 478
<212> DNA
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<223> n is a, c, g, or t

<400> 378
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ctcaagaact tcagaggcta ggacatctca cnctgatttt acagcctttg gtgtctctgt 120

tataatgtgt tcaatgataa aatcatgggc tgtgtttttg taagagggac gcttcatggt 180

gttatttgaa aaaaaaaaaa aanggtccca ggtttcgatc tgtttggagt ttggagtcta 240

atggttgcat agataaacag gcgaccaatc acacccagca gcagttagct ccttaccgca 300

gtaactcagc tcatggactg ccctcttgat ggattgatgt tgtttcataa gctattatta 360

gacaaagaac catcacgcag gcctcatgtg agtatgtcca gatgaggtct aatgctcagg 420

gatatatgta tatgtatctc tctgtggaat tacactgtgt tctgaggcat cgctctaa 478

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aaatgtttgg aaccgtggtc cctaaattct gcgtgccgga ctaagccata catgcccttg 180

aattcctctc tgtctggcct tcccgcccca gcaagtgggg ttttctttaa cttggcagag 240

gagtggcacc accacccacc cgcatcccct gcaccagaac tcagtgtttc tacagtgtaa 300

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ggctaggttg gtggtgttct tgaagggtgg cctgggttgg gggactcata aggtggcagt 180

tgtccatggc ccctggcagg tggggctggt gttgcccttg gtgctcctca gctggggctg 240

agcgccgggc tgccctcagg gctgtcgctc accaggcatt cgttggattt gaagcttgcc 300

agggacttgc agctggggat ggaggccagg gagccgcaga ggcccagcat ggagggcgtg 360

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gnttggaatg tnnctggctc agaactatga aatgccaaac ctggctaaaa aacttgaaga 120

gattaagaag gacctggaag ccaagaagaa gccccctagt tcctgatgcc tgcctggcac 180

tgcaatctgg acccaccagt tccatcctgg ggggcctgtc tccttcacag ccacgtccaa 240

agctgtgttc ctctttggtc tcagaccctg cgcgttgctg aggctccagc acgggccaga 300

agtggagtta gctttccgtt tccagcatct ccccgttccc gtatcttccg tccacctgct 360

tctgagacct aagcctggaa ccatggtgct aggttagcag ccgcaaccat gacaggactc 420

actcgcctgt gctctgggat tcctaccgcc tactgtcaag aaatga 466

<210> 382
<211> 47
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<210> 383
<211> 51
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<400> 383
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<210> 384
<211> 503
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cttccgtgtt gatagtacag tgttgctgtt gtggtnccta tttattttnt ctgttccagt 120

attctatgga caagtgtaac ttaagctggt agctcatacc tattgatttn ccnatgtgta 180

cataatacta ctatttttca aaaaacttta tnaaaaaaac ttttnagata tttgnatacn 240

naanaantca cnattttgna ntnnagggtn tnnttgttnt tttnagggtt nttntggtnt 300

tctttaaatn cagtgatttt taatgaacat acatacataa catttccctn attggtgtgt 360

tcanctattt tttgataaac tgttatntct taagtgcatt agaatncnaa ttgtttgtaa 420

tggaactgaa gtgtttccct ggacagttta atgtgcatat gaatgagatt tacaattngg 480

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<211> 296
<212> DNA
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gtgactacca cttatttcta aatnttcntc gttttctttt tgttnctgtt nttaagaagt 120

tgtgatttgc tccaagagtt ttaggntntc ctgaatgant ctttctgtct aagaatgatg 180

tgttgtgaaa tttgttaata tatattttaa aattatgtga gcatgagact atgcacctat 240

aaatattaat ttatgaattt tacagttttg tgatgtgttt tattaacttg tgtttg 296

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<223> n is a, c, g, or t

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ttgcntttat acgtgtgtnt cgtcactgaa gattgacctt gtatgaatac tgaggtttct 120

tggtaatgct ttgtacaatc cnaaatgtta aattggctat ctgttgaaag tgtatgcttc 180

taataaa 187

<210> 387
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<223> n is a, c, g, or t

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tganctcagc cccatgcatc ctttccctct ttcctgaaaa caactaattt aaatttgctt 120

tgttttcttt tttaagttga attgacgtta atgtgttttc actgg 165

<210> 388
<211> 71
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<400> 388
aagcacacga cgaatgccag acacggatga ggaaccacaa ntcctggttt gaagctggac 60

tttctttctg t 71

<210> 389
<211> 147
<212> DNA
<213> Mus musculus

<400> 389
ggattctgtg aaggaggatt tcaaatcaag atggttgata caaaggcaga gaaagattgt 60

gacgtgctgg tcggttttaa agctgtgtat cggatcaact ttgctgtggc catcttttc 120

tttgccttct ttttgctcat gttaaaa 147

<210> 390
<211> 151
<212> DNA
<213> Mus musculus

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<400> 390
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gctttggttt ggccatgttc tatcttntcc tctctttact aatgatcaag gtaaaaagca 120

gcagtgaccc tagagcggca gtccacaatg g 151

<210> 391
<211> 463
<212> DNA
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<400> 391
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ttttttnttt taacttgcaa gccagttgtt gtcttccgaa catcatgtgg aaaggaagct 120

ctccccaccc tagtaccctg agacacacag tgctgcctga gaaatgcagt catacacctg 180

cacccagttt ctcagttgct ccccagttct tccatgctct ctttgtgtca aatgagtatt 240

ctcataatgg ctggggctgc tggggaggga agcggcaggc ccaccgtagg acacagcatc 300

ctccacaggt tttagaataa tcatcctata atctagagaa ataggtgcta tcaacaggaa 360

attaagcaaa atgctggatg ctgtgaatct tttntcttaa ttttttttcta ttcttaaact 420

acaggctgta gatgtcttag ttctcacaga acttctgtct ttt 463

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<223> n is a, c, g, or t

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tgcaacaggt tcaccttact ttaagtcaga attctctcag agaataaaaa ttcattaatg 120

ttcaaaccta aatcaaacac agagaaacaa aacccctatt tttttatttt aaactttatt 180

acaaaaaatt ncaaanaaaa tnaaaataaa naaggaagaa aagaaaatca cataccaaat 240

taaccagacc aacagactct ttttttttt taatagtaaa accccatatt gcattaaaaa 300

tggctnagtt agttnggggt gtaaaaatgc tnagatnaca ggattnatng ggatcangac 360

actnttcctc ttactaaagc nagataagag ttngtagttg cnanatagtt gttgattttt 420

taaactcatg acaaattttn ttctgatttt tntgctnaaa tgtgtcaaag tttcactttc 480

ctaaactntc tgtaattctt ccagatattg gtgtctcctt gtgatttcac agtgaatgct 540

tgttatcaaa 550

<210> 393
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agcacttcca cctggactca agttgncatt tacattttga gtttaaaaag atgttttttt 120

ttaatctgtt tatagaagta gctcaccttc cactgaggac caggaanncn nnnnnncnng 180

nnaaannncn tngnnnnnng naannannnc ccnngntttn nnaanttncn nnncnnnnnn 240

cnanctggcc tttgcttctg tnccttgtga attagtaatc cagtaggcta aaactcagtc 300

acagggag 308

<210> 394
<211> 106
<212> DNA
<213> Mus musculus

<400> 394
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gacaactcca attctctaca aatgaaaacg tgtcacttgg tcaggt 106

<210> 395

<211> 151
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gacaactcca attctctaca aatgaaaacg tgtcacttgg tcaggtactg gatntcancc 120

ttcccagcag agttcgactt gaacccagag c 151

<210> 396
<211> 554
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 396
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ctcactgtcc cagcctccgt ccgggcagta cacttcccat gtgcattccc ggcagtcacc 120

tcggcaaggc aactgctgct ccttcacaga taggacgtgg gagctcatgt tgagatttta 180

cccattcctc cagccatttt gggaaaaaaa aaattatgaa ctgggattct tcagaaatta 240

tgtttngttt tttcttgaag aaaatatccc ccccttaccc ccgtccttac tttgtaacct 300

ggctgataac gggccatcca tttttgtagc acacttttca gaaacaatta taacctggtc 360

ccatctttct aggacaaaca aagccacncc ttgatgtagc ccggctaatc atggaagtac 420

gtccaggctt caaataactt gagtttaaat cctttttttt ttttttcttg gcagagtaat 480

gtaaaattaa aatggggaag atatttaata tttaatacta agctttaaaa agaaacctgc 540

tatcactgct atgt 554

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<211> 86
<212> DNA
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<223> n is a, c, g, or t

<400> 397
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ctgtgtgcga cgtggagaga tttaat 86

<210> 398
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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catacagtgt aagcattgtg acc 83

<210> 399
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<212> DNA
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<223> n is a, c, g, or t

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ttgtgagttg ggcagctgca gtttggagag gatgcaattg tccagactta tttatgcagt 120

gctggatggg angagtggga cagaaatcga aanctgaaat tggggatgca tcctgtcacc 180

ctggccnatt acctcagtct gcaggacctg gcatcctgac angggaacag tgttcattgg 240

tggtttctgg gctttggatt tctctattac ttcttaacgt tttatgcaga ccttaagtgt 300

ttntattatg gcattcatgt aggtgtggac attgttacct atatttntct tatggaaata 360

aaaaattaag atatgtgtgt gttacatgcc tgcaacccag aaagaactag ggaggttaag 420

gcgggagggt ggaaggtttg agggcagcct agactaccta gcaa 464

<210> 400
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<212> DNA
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<222> (28)..(28)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

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atggaggtaa ttaacatgat ctgtgctctt tacaaaagag aatccagtga cctggcctgt 120

gtgtgtgtgt gcgcgcgcgt gcacacacgc tcgcgagcgc tcacattatg catgaaaact 180

tgattttcct gaagcatcca tttccaaatt gatagggatg aaaaagtaaa atttccattg 240

gattcaatta gaagctctga cttctgtatt tgcataggct tgaactattc cttagcagtg 300

cctagagatg cggggttcct ccttggtact ggccactcac cttcttacat gacgcagatg 360

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<210> 401
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<212> DNA
<213> Mus musculus

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<222> (91)..(91)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (259)..(259)
<223> n is a, c, g, or t

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<222> (261)..(261)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (333)..(333)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agtttcaggt ngccaaatga agaaatngat agtatccctt gaaaatcatt ataaaggaaa 180

ccttaagatt tngtataaga tngcatacaa tagagaggag tttaatttga tgtgtaaatt 240

tgcagtgcgt ggaaatggnt ntaagaaaaa tcattaaagg gaataaaata tcttaatttt 300

ttccccttgg gacagggtct cattgtgtag ntntggtggg cctcaaattc tgcatgtcga 360

tgaggtcacc tcacaccctg agtttcctct gcttctgcct ctcttgttnt gggagtaaag 420

ggtgcattac cctggcctgc gataataagt 450

<210> 402
<211> 497
<212> DNA
<213> Mus musculus

<220>
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<222> (278)..(278)
<223> n is a, c, g, or t

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<222> (298)..(298)
<223> n is a, c, g, or t

<220>
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<222> (314)..(314)
<223> n is a, c, g, or t

<400> 402
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aaagttttaa atgattgttt ctaatgactt ttctgcaatt tgtgtccagc caataatttc 120

tcatcattta aatctttgtg tggagcagca aacataagtg ggatgagcca cctaaattca 180

ctcctctgaa atgcaattaa agcagtagaa cagaaacaaa aataaatagt cgagaaagaa 240

catatttggc aatttaaaat aatgttaaaa ttttttcnac cataaattta catttacncc 300

tttataaccc agancagaaa gtggaagcct ggttaggtgg gattcccaat gtaaactccc 360

cggaaactgg gggtaatgag gtgagagcaa gcaagcactg gtcttcagaa caagggctca 420

ccttctcagg gccgagtcca gccagtgtga cgctggcaga gggcccacag ccgagttagc 480

cggtcattca gtacttg 497

<210> 403
<211> 178
<212> DNA
<213> Mus musculus

<400> 403
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agctgcaaga agaatgagat aagtggtgtg aagaaaccct ttttatatgg gaacgctggc 120

ttatggcata tttagataat tttatgataa cattttagca taatctagat gactattt 178

<210> 404
<211> 424
<212> DNA
<213> Mus musculus

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<222> (154)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

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gaatggggac ctagtggaag aactgaaaaa gctgggtatc cgctctgccc tggtagatga 120

gaaggaccaa gactccaagt gagggccccg ggcnntcgnc cgagcagagc gccctctcca 180

tcctcggggc cagaaaagcc ttactgcgtg gtggtgccct gttgctgtga tgcttgcgct 240

gggcctcctg gcagcaagcg ggcaggtgct tttactttag tctctggctc agaattccct 300

ctggtgaacg tacaaccact gcactgtaaa tcaatgtcgc gatcctgtat tgctataacc 360

gtgatctgtt cttacgttgt ctttattctc tgccggccgg ctttgggagt cacttctgat 420

tctt 424

<210> 405
<211> 429
<212> DNA
<213> Mus musculus

<220>
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<222> (174)..(174)
<223> n is a, c, g, or t

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tgccatattg tcgagaaaac gtgtgtctgg cctatggtag tgagtggtca gtgtatgcag 120

tgggctctca agcgcatgtc tccttcttgg atccacggca gccatcgtac aacngtcaag 180

tctgtctgct ccagggaacg aggcagtggg attcgatcag tgagcttcta tgaacacatt 240

atcactgtgg gcacagggca gggctccctg ctgttctatg acatccgagc tcaaagattt 300

ttggaagaga ggctctcagc ttgttatggg tccaagccca gactcgcagg ggagaatctg 360

aaactaacta ctggcagggg ctggctgaat catgatgaaa cctggaggaa ttacttttcg 420

gacattgac 429

<210> 406
<211> 141
<212> DNA
<213> Mus musculus

<400> 406
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tgtgtgtggg atctgttctc agtgcagcag ggcttagtgt tggaagtcac tgtcctgctc 120

tgttggctca ttcctagggt a 141

<210> 407
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<400> 407
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cattccagtc agcaaattgg cgatttcgga atcctatgac acctacatca ataggagttt 120

ccaggtgacg aaagagataa taagtgaatg caaaagtaaa ggaaataaca ttctgattgt 180

ggcccacgca tcttccctcg aagcgtgtac ctgtcagctc caaggtctat ccccgcagaa 240

ctcaaaggac ttcgtacaaa tggtccggaa gatcccatac ctaggcttct gttcctgcga 300

agaattggga gaaactggaa tatggcaact gacagacccg cccatccttc cccttaccca 360

tgnccccnac tgggggcttc aactggagag agaccctcct gcaagaataa gc 412

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aatattgaac aagcactcaa gttgagcttt atattggtca cattttatgg atttttcaca 120

gataacattt atttaaaatt tatctttgta cttcntttca tatgaatatg ggtgtaattg 180

taaactaatc tncattccta tgtgtacatt aatggccaat tngattgact ttgcttttgg 240

aaattctgta tataaacaac aagancagtt tttgctgngt gccattgttt gatgatcctg 300

agtgtatttc atgcctgtct gcacagtcca gtttgggtnt aactttattt tgaacaactg 360

tgtgctgtca ttaataaaga gaagcgagga agattggaaa cttgtgaagc agctagagat 420

gctaaagtga ggttcttggg gatagtaatc taccttactc cgagccattc ctttctccat 480

taaagcag 488

<210> 409
<211> 133
<212> DNA
<213> Mus musculus

<220>
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<222> (31)..(31)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

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tctntgccac tcatctgtaa ccgtgagctt ttccacccgg cctcctcttt gatcccagaa 120

taatgactct gag 133

<210> 410
<211> 250
<212> DNA
<213> Mus musculus

<400> 410

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aggaagctgc tcagctggga aagaaggtgg ctgtggctga ctatgtggaa ccttctcccc 120

gaggcaccaa gtggggcctt ggtggcacct gtgtcaacgt gggttgcata cccaagaagc 180

tgatgcatca ggctgcactg ctgggggggca tgatcagaga tgctcaccac tatggctggg 240

aggtggccca 250

<210> 411
<211> 176
<212> DNA
<213> Mus musculus

<400> 411
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gaatataacg aatcattgct ctacagtcca gaagaaccaa aaatactttt cagtattcga 120

gagccaatag caaacagagt tttctccagc agccgtcagc gttgtttctc ttccaa 176

<210> 412
<211> 431
<212> DNA
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<222> (288)..(290)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (395)..(395)
<223> n is a, c, g, or t

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<222> (397)..(397)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctgacctgca ccaacatagc ttcttcctgg ctagcctggc agtctttccc tggggctcag 120

cgctgtacca gctccagggg ctttttgcca gggttctccg aggatacatg ctggcttacc 180

tgttatcatg acaccagttg tcccagcact tactcacctc cctgaggtct agatgggagt 240

cctctactgc tcannnnncn nnnnnnnnnt nntnnnnnnn anancnannn cnctggtggn 300

cantnanctt cctgaagggn aaatgggatt tcanggacat naggcantga ggtgaggccg 360

anccntnntc ccagagctat gcnntntatg caaantnctt acgntntcag agccttggtt 420

tccaccaaaa g 431

<210> 413
<211> 318
<212> DNA
<213> Mus musculus

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<222> (47)..(47)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (205)..(205)
<223> n is a, c, g, or t

<400> 413
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ctatgaaaag aaagggtaaa tcagaagttg aagagaacgg agctgtggaa atcgctcggt 120

gctttcgggg ccagtacttt ggagagcttg ccctggtcac taacaaacca agagcagcgt 180

ctgnacacgc catcgggact gtcanatgct tagccatgga tgtgcaagca tttgaaaggc 240

ttttgggacc ttgcatggaa attatgaaga ggaacatcgc cacctatgaa gaacaattag 300

ttgcgctgtt tggaacaa 318

<210> 414
<211> 509
<212> DNA
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<222> (155)..(155)
<223> n is a, c, g, or t

<400> 414
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ctcggagatg gaaagacctg taaatagagg aggaagccga agtcgcaggg tcagcttgag 120

tgacggcagt gacagtgaaa gcagctccgc ctctncccct ctccatcatg aacccccgcc 180

accattattg aaaactaaca acaaccagat ccttgaagtg aaaagtccaa taaaacaaag 240

caaatcagat aagcaaataa agaatggtga atgtgacaag gcatatctag atgagttggt 300

agagctccac agaaggttaa tgacactgag ggaacgacac attctgcagc agatcgtgaa 360

ccttatagag gaaactggac actttcatat tacgaataca acatttgatt ttgatctttg 420

ctcgctggac aaaactacag tccgtaaatt acagagttac ctggaaacat ctggaacatc 480

ctgaggatac aacagctgga cgcatcaaa 509

<210> 415
<211> 518
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (458)..(458)
<223> n is a, c, g, or t

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<222> (469)..(469)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (492)..(493)
<223> n is a, c, g, or t

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catctctagt acacctgagt attccacaca ggagactgcc tgtcagagcc tgcagtggtg 120

ggggaagcgc taccccggac cctgctgagt gtgttgaatg tttgtggtta caccgtgtct 180

tcagtaacgg cgtagagaag ccagaactaa ggaactgagg tggagaagtc ttcgtttcac 240

catggcaggg catatttggg agctactgat ttgaaatgct gtatatggac caaagcngnn 300

tttcnntntt ctntattcct cttantaaac ataaaaatct cacgctnttn agagtntctn 360

tactcagnnt cccagggngt ttntcttccc ctgagtgcgc ccatcgtgct aaggagtaag 420

agtggcatnt gcatctctca ccaggcaaag ctatgccngg ctttctctnt agctcagttg 480

tgaaagcaat tnnggctctc attcagtttt tagtaatt 518

<210> 416
<211> 548
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
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<222> (330)..(330)
<223> n is a, c, g, or t

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<222> (400)..(400)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (437)..(439)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttctgaccg agtatacaac tacccagaag gcctaggaga agtgctgtat agagagcagt 120

tcgacttcaa cgctgagcca ccttgggaac ctagctgatg ataggggttt ccatctccta 180

acttgtccat tttgttgcat attctaagga cccagacata ggcttggtgg cccgtctctt 240

gtttttcctg gtttatgact ttcggctttg tggaatacgg ctgagatgaa naggatttat 300

tgacgatgcg aactactccg ttggcctgtn ggatgaagga acaaaccttg gaaatgttat 360

tgataactat gtttatgaac ataccctgac aggaaaaaan tgcatttttg tgggggatct 420

tgggnaagat cngtgannna agcacangtc agtggcagac cgtggtggct cagattaaag 480

ccgttttaca cggttgaaag tgcaactcca ctcccaggcc gtgcttgaga tctttggagt 540

cttggaac 548

<210> 417
<211> 303
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

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gcacagcctg gccctgttag gggtaccctc ttgcagaaaa cctgtctggg caggattact 120

gttagcttct ggaactacct tattctgcac cagcttctac taccaggctc tgagtggaga 180

caccagcatc cagactctgg ggcctgtggg agggagcctg ctaatcttgg gctggcttgn 240

cttggctttt tgaagtctct tgtttaagcg cccagtcctg gcctttctgg gtaattgggc 300

gca 303

<210> 418
<211> 548
<212> DNA
<213> Mus musculus

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<222> (200)..(200)
<223> n is a, c, g, or t

<400> 418
gctctttctg agagaattgc cccagccact gctgagcatg gagtatctca aagccttcca 60

agctgtccag aatcttccaa ccagaaagga acagttgcag gctttgaacc tccttgtcat 120

tcttctacct gacgcaaaca gagacacact gaaggccttg cttgaatttc tccaaagagt 180

catagataac aaagagaagn acaagatgac agctgggaat gtagcaatgg tcatggcccc 240

aaatctcttc atgtgccaca cgctgggctt gaagtccagt gaacagcgag aatttgaaat 300

ggcagctggg acagcaaatg tcatgcactt attgattagg taccagaaaa ttctatggac 360

aatccctaaa tttattgtaa tccaagtgag gaaacagaat attgagaatc aaaagaagga 420

aaggaaagcc atgaagaaat tgctgaagaa aatggcttat gaccgggaaa caacatgaaa 480

agccagataa actgcaaatg gtgctgatgt tcctcaggga cgtgattccg agtagcaaga 540

ctccccga 548

<210> 419
<211> 431
<212> DNA
<213> Mus musculus

<400> 419
tccagcatgt gttactctgt caacagtgat gctttcacag aacctttgtc ctccacaatt 60

ccccccctcc atttaaacca ggacatttcc atctcagtga gccactgctg tatttgggac 120

ctaagcgaga agctggataa acagaggcgc tattattatt gttactgtca atatagtttc 180

cttccctagt tataactgat tatttccttt tttccatttc aaaacatttt tgttcaaatg 240

cttctgatgg ctctcgtcac aagcaatatt cttcggaaat aatgcacctt tttaatttct 300

caacctaaaa tacacagccc gtcatctcca tagtaggatg atgctgttag agagatcagc 360

tgtgtctagt tggagaattt ttaggggaat aagggattac aggagcgagt gcttcctcta 420

ttagttcgtg c 431

<210> 420
<211> 424
<212> DNA
<213> Mus musculus

<400> 420
gcactcatca aaaacctggc tgacagttcc acactagttc ttcttctcag gcatatgttc 60

atctcctggg tcttgagaat tctaggacat tccaggtact ttctccttca tcagctccaa 120

acatgaaatc acaatcaaga atacacatca tctgaatgtc tgtggtaggc atgacaacaa 180

tcttagaagt cttttaagag ggtgtaatgt ggtattttct ggtttagtgt cttccttaaa 240

tatatgtcca tccacacatt cctctgcatg gaggccatga tgtctctgtc tatcaacaca 300

tcactgtcat ctcctgatct ttcctcagcc agaggagtgt ctggaatgat gtggaggttc 360

cctttcttgt agtcatccag gagctgatag aagtagagag ctggattctt cttgtagtac 420

caaa 424

<210> 421
<211> 568
<212> DNA
<213> Mus musculus

<220>
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<222> (99)..(99)
<223> n is a, c, g, or t

<220>
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<222> (293)..(293)
<223> n is a, c, g, or t

<220>
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<222> (298)..(298)
<223> n is a, c, g, or t

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<222> (310)..(310)
<223> n is a, c, g, or t

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<222> (330)..(330)
<223> n is a, c, g, or t

<220>
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<222> (347)..(347)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (372)..(372)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (385)..(385)
<223> n is a, c, g, or t

<220>
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<222> (389)..(389)
<223> n is a, c, g, or t

<220>
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<222> (391)..(391)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (440)..(440)
<223> n is a, c, g, or t

<220>
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<222> (454)..(454)
<223> n is a, c, g, or t

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<222> (488)..(488)
<223> n is a, c, g, or t

<220>
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<222> (493)..(493)
<223> n is a, c, g, or t

<220>
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<222> (502)..(502)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (521)..(521)
<223> n is a, c, g, or t

<400> 421
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cttccctggt gccctgggtg tgtcaaggcc tcagaggcnt ggggcggatg gacagacact 120

gctggcttag gtttgctagg ctacagaggg ggactgggcc agccccgcgt gggactggca 180

catgtccttt gtagggcgtg ttcagagata gagggtccag gtgcaatgct gacccagctt 240

cttgggtgct ggtcagttac tactaggccc aggttttaga tgacaaaccc ccnccccntc 300

ccagtttccn ggagaggtga acaggacctn catgttaact ccctctntcc ngcctgggaa 360

agtggctgaa gnccaggncc ctatntttnt nctcantcac cttcactgga agaggggnnc 420

ctcataggga aaactaaggn tatcggggca ctgncacttc ctagactggg tggggagggt 480

ggaggctnta ctntccccga anccgtgaag anccaagtgt ncccacctgc atgtgaaggg 540

ggaagatggc tatcaacttc tttcaata 568

<210> 422
<211> 549
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<400> 422
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acccgcacga cttcctcgtc agttactgcc cagctcagct agtgtccgct cgcccgccct 120

tccgcacatc ccccgcttct tttccacctt ttaagctgtg actggtactt tctggatctc 180

agtgtaactt ttgagctagt taattctctt ctacatttta ctgttctctg gggaatgaac 240

ccttcctcgg aggacactgc ttccagagca tcttctnttc cagattcact ancctttttg 300

atcagctatt ggtagatgaa caggctggtt tattctggta taaancccttt ttttggagaa 360

gggaaaatgt ttgtactatt ccttttacat atggcaacat caaactganc cnttgctcac 420

attaaataat tcacttgaac tataaagaga agatncaatt tgcattttaa aggggaaggg 480

gctaacaaca cttttctacc tgtgtaaatt atagatcatt aattcatgca ccctgtggga 540

gctcaataa 549

<210> 423
<211> 321
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<400> 423
gtcccgatgt ctgtagtgct ggctcccttc ttggncctgg gcacgtgatg gctacaactg 60

gtctatcgat tcattgagat ccagcagcaa tcagaggaag aagatgagtg ctttcttcac 120

aaacctgaag agctctttct tggaagttat cttcgcaagc ctttcctcaa gtctcctcaa 180

gtcttaccgg caaggaatag gtctgtggtc atttctcgtc accatccatg agtagcaatg 240

cctacaactg tattcaagca atactccctg gggcagagag gtttagtgga gtccacggca 300

ctggacactt gctttggatt a 321

<210> 424
<211> 249
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(148)
<223> n is a, c, g, or t

<400> 424
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cctctctcta ggactctgca gacctcccca ggacactttc ttgtgtgtgt gtgtgtgtgt 120

gtgtgtgtgt ntgtnnnnnn nnnnnnnnct gtctgtctgt ctgtctgtct gtgtgtgtgt 180

gtgtggcgca catgtatgca cgccatgtgc catgaacctg gacaagcatt gtctcaaggg 240

ctcatttta 249

<210> 425
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(282)
<223> n is a, c, g, or t

<400> 425

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cctctctcta ggactctgca gacctcccca ggacactttc ttgtgtgtgt gtgtgtgtgt 120

gtgtgtgtgt ntgtnnnnnn nnnnnnnnct gtctgtctgt ctgtctgtct gtgtgtgtgt 180

gtgtggcgca catgtatgca cgccatgtgc catgaacctg gacaagcatt gtctcaaggg 240

ctcattttan gctttttttn nnnnnnnnnn nnnnnnnnnn nnttttttt ttttggtgat 300

gtgtgtatct tgtccccagc tccctaggcc ctgcctgcct ttcagactgt cctctcctcc 360

tccttctccc ctctccttat gccaggggtc caggacttcc agccagaagc ctctgacctt 420

gtgttccctg tcccctcccc tgtcccctct gctgctcagc atagctgtgg tcactgcaga 480

ggtcttatat gttcagcagg cctgg 505

<210> 426
<211> 446
<212> DNA
<213> Mus musculus

<400> 426
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aaagcagaag ccttccctag tctgctgaag ggaaggctgc agtatcagag tattgctcat 120

ccctccagaa gcaagtcagg cagggccaag cttggtgaaa cagggtgacg tgctccatgc 180

tctctgtggt ctggagttag ggtggggaaa ggttggtata attgaagatt gtgcagttcc 240

tagtgacagg tgccaagagg ttatgatacg ggtttcttgg gtctgttgta cagtgtgaat 300

aaatgcttgc agctcttagc ccttttttgat caatgaagca ctttttttatt aatattttct 360

ttgtatgtaa aggaggaagc gtaactccat agctgtacat agaacctttt ctcctaaaga 420

ggagtcagcg ctcctatagt tttcat 446

<210> 427
<211> 371
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (271)..(272)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<400> 427
agtctatcgc gaattatttc cccagagatt tttgaacaga aaatgagcaa accgtgttta 60

catgtctgtt tatgttngtc atattttcaa gtctttcttc cattttagcc tccttgtaag 120

aaaacactgt ccagtggtct ccatcaggcc gatcactata ttcactgcca tcccatgcta 180

gtttaaagga atgctatgaa aatttaaatc tgtagaccat atatactttt cacccaagtt 240

ctcccattga ggactcttgc ttaaaaatat nncaatttga ctttgntctn ctcacacaca 300

tgagttggcg agatcccagg aatntcgtgt ggtgatgatg ttcactgttt gtaaccatgc 360

tgttaatgaa c 371

<210> 428
<211> 278
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
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<222> (174)..(175)
<223> n is a, c, g, or t

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<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<400> 428
gccgtgtgtc aataattttg agagaattat cttggttgct tacacttngg caatatcaca 60

agtnggttag ttacaaatgt ataagggttc ttgagaataa tttgttttta ttttgcttat 120

ccagaataca taaaacattt tatcatgtga gggtattggg aaagatgttt tttnncttat 180

gtatantcat tgtaatnatc cacttaaaga aaaatagaat atanccacat tatgatggtt 240

gtactactgg aaagattttg ctgggacata caatatgt 278

<210> 429
<211> 274
<212> DNA
<213> Mus musculus

<400> 429
gaacaatggc aacccagcta atactggctg aggtgggtat gcctgtttgg ctgaagcagc 60

gctggtgatc aaggtgatga ctaagatctt atacccatct taccctcaga ttcctgacag 120

gatttaataa aaaattgtta ataagtagat gtgcacccta aggatttata ggaaaaatga 180

tttttatatg aaggtttaag tttgtgatac tcttaagatt tttttataag attacatttt 240

aagatgaata ataaaataat tgccgtgtgt caat 274

<210> 430
<211> 481
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (285)..(285)
<223> n is a, c, g, or t

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<222> (342)..(342)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

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<222> (400)..(400)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<400> 430
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cagattccaa agggagggct tcctagttct agacatgtgg gccagattag cattggctgt 120

cttttctgnc agcatgaatt aagccctcat aaggtgatgg gtcctgtctg aggatgaggg 180

gagcaaatga gcacagcagg gacagccgca gtcagtggcg ggccagggaa ggtgtcagtg 240

ctggtacagc tcattatcag aaaggttaaa ggtttttttcc tactnaaacc atcctcactt 300

tttatacatg caacggactg tacgcgtata tacatacata tntactgtag tttaaagagt 360

aataataata gcccccatat gcctccancc tgccatgctn cctttctccc taggcacccc 420

atgtgcgctt ccctgacctt ntctttntcc ctgttgaata tagaaagcct caccctgtgt 480

g 481

<210> 431
<211> 289
<212> DNA
<213> Mus musculus

<400> 431
aactttatag tgtggccatc gtgactaaat taaccacagt ttggtatctg agtctcaaac 60

tgaagattat ttttataaat gaattttaaa agaaaaacct tggctgtttt aaaatctcaa 120

gaaaatgaac ctgctgccat gcataatttt ttgatgcttt tgcactaggt atcttgtaaa 180

tgtcactgca tttctgatga agggcgactg acaggtagag gtagtattgt gtgtctgaaa 240

ttgttcagct cctatgacgc accatgggct gccctcattt ccatatgct 289

<210> 432
<211> 502
<212> DNA
<213> Mus musculus

<220>
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<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(293)
<223> n is a, c, g, or t

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<222> (298)..(298)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (311)..(311)
<223> n is a, c, g, or t

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<222> (322)..(322)
<223> n is a, c, g, or t

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<222> (326)..(326)
<223> n is a, c, g, or t

<220>
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<222> (329)..(329)
<223> n is a, c, g, or t

<220>
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<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(366)
<223> n is a, c, g, or t

<220>
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<222> (388)..(388)
<223> n is a, c, g, or t

<220>
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<222> (392)..(392)
<223> n is a, c, g, or t

<220>
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<222> (418)..(418)
<223> n is a, c, g, or t

<220>
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<222> (420)..(420)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<220>
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<222> (466)..(466)
<223> n is a, c, g, or t

<400> 432
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tggaagtaaa agcaacggct ataggagtgc cgacaaatat gtcctaaaaa caaccaacca 120

aancctactt caaagaaaag ctggaaacgg cagtactgct taaaaatcaa caacaaaaaa 180

taggcagggg aatgtcactt tctgaaaaga aggctcagtg tcgccaatgc tgctcctgac 240

caagggagag gtgaaagttc ggcattttaa ttganctggc ttcaaagggt anntgtgnca 300

accaaatnaa nacaattcca tnttcnagna actttcatgt aacttttatn tcaggactgc 360

agttnnacgt gaacatttct gtattttntt tnaagtatag aagagtagtt gaactgancn 420

atacctcctc ctgtgttgta ttacacatat tanccacgag tttttncagt gaccagataa 480

acttgaattg acacgtggtg ta 502

<210> 433
<211> 511
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (79)..(88)
<223> n is a, c, g, or t

<400> 433
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gtgcttgtga ccttgagcnn nnnnnnnnac tctgcctggg cctcatgcag aacttagtac 120

cagagattat ttgaagataa agttgtctca gaatggatat gttgtaagga tgtttgacag 180

taagtgccaa tgtcactatg gattaaagca agactaaatg tacttaaaag gtcagaagtg 240

ttcagaatct gatagaggct gggttgaatg tagttttaga gaattaaaca tagttgtaat 300

atagacagct aggtagagct ggaggctagg gaagctgggt ttgatgggtt gttggaacta 360

ctgtccttta ggatcatgtg tcaaagcaaa ctacaaagga tttgtgaagc agataattgt 420

ggcccttaag cttaactgtg tgagacaaat acctgttttt aacagtaggg gaaccataaa 480

tttcaaagcg gatcctattc tttgtcttat a 511

<210> 434
<211> 331
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<400> 434
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tgtacagctc ctttgacagc agcttctacg tagtggagca gtgagagtgt cagataacag 120

aaggctggag aggcgcctca ccgcacccag cacctatgta tttcaaaagt tcagactctg 180

ttagcaanac ntantattcc aaantantac ntagtgntnc aggntgtgag nctccctcct 240

tccatccatc attcccttcc tccctcctct ctctccccac ctctctccct cctacagaag 300

gtgccagctt actccatagc tgtataaata a 331

<210> 435
<211> 447
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<400> 435
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tgggaaatgg gcacaaagac acaaacccgg ggcttaaccc gctagacaat gcatggaatg 120

tgaacacaag ttaattattt caaaatgtgt atcagatgtt atttaaatga taatatattc 180

aatgattttt ttcataattt atcgaagcct gtgagatgca ctggatttcc tttgtcacat 240

agttttgatt tttgcagcct tctgcattgc acacgtgaac tggaccttag ggcaagnctg 300

cttgagagag ttctcgacta cattttaaa cantgttctg tgaaggcctg tgagtgtcat 360

gataaaactg tgaatgacta catagggact ctgattagac tattggttag gctcctgtgg 420

tttgtatagg tctccaattc ctactta 447

<210> 436
<211> 551
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (436)..(436)
<223> n is a, c, g, or t

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<222> (445)..(445)
<223> n is a, c, g, or t

<220>
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<222> (518)..(518)
<223> n is a, c, g, or t

<400> 436
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tactccaccc tttcaggtgg ggctaaatac taagaataaa tctgttttct tgttcaaata 120

ataaaataaa tgaatcaggg agaaatactc ttgttaaatt atctgaatat gcagtttaca 180

taattgtaat ttttatcaaa atatttgtca aaatgatgtc aaatatacac ttcttagttg 240

tcttcctttt ggagaaacct gtttgatagg tcacaatctc catccttact gatgctttcn 300

ttagatgtca ccgtatcctt caatccaacc atgatcactt gaagcagaga tcancaaact 360

ttttctgtaa agataatatt ttantctttg taggctgggt gncctttgtt gtaactattn 420

tcctctgtaa aagcantccc agacnatatg catgtgaccg agcatggctg tactctaata 480

aaatttgatg tacaaaagca agaggaaggc tggactgncc ttaccaatcg ctcacttaaa 540

gcattgattt t 551

<210> 437
<211> 431
<212> DNA
<213> Mus musculus

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<222> (244)..(244)
<223> n is a, c, g, or t

<220>
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<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)

<223> n is a, c, g, or t

<400> 437
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aggacagtgt ttgggagttg gttctcccaa gagccgagcc tcttatagcc tccccgtgca 120

gctgtgtgca cagttcaagt gggaggggct ggctcctgga tagcttccta tggctggaga 180

gaaggttcta aagcaggagt ctgtagctgt tcagtggatc ttggggttgc agggagaaat 240

ctantctttt gcccaggatt aaactattta gtgttgcttg gttcactttg tggctctggt 300

tccagaactg aagagagttc cttctcacan ccttccttca gnaacattgc acagcattct 360

gtggtgtggg gacatgaggg acactnccat ttgtgcccca tgtgatatgt gacttatttt 420

gccagttgaa g 431

<210> 438
<211> 180
<212> DNA
<213> Mus musculus

<400> 438
ccttcaagat tttctgtgat gatttctcag gtactttcaa gtagcctgtt acctattcag 60

agagtctcct tgagctcaga attaaaattg ccctgaattt ttgaagatcc aaaatcttat 120

gtaaatagcc attggtagtt aagtgggttt tatttttag tcttgtgctt gcccttggtc 180

<210> 439
<211> 231
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (192)..(192)
<223> n is a, c, g, or t

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<222> (198)..(198)
<223> n is a, c, g, or t

<400> 439
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ttntagtggg tntagcccaa gaacctctca gaagacaact ggatgaaaca catgctggag 120

gtcatntgag gtggagggnt tgtgtgcatg gggagantcc acatggctta gcaagaggtn 180

tatgctgttg gnctatgncc tgaccccttg gatcaacaat ggatgctcaa g 231

<210> 440
<211> 418
<212> DNA
<213> Mus musculus

<400> 440
agagatccat cctttagcta ctgaggcaga gtccgtgaga gtagagtggg gttttcttta 60

gagaagactg tttagatgag gaaactagca gggaaggaag aaaatgtatt agaagagtga 120

aaggtgagta ggaatcttga cggtttctgg aatgaggctt gtggtgcttg ggcggcaacg 180

ccggtcagga ctcgggcata tctgtagctg ttctctccgg aggctgagga acagtctgag 240

tggtttccag gggatgaaca tctaaaattg tgctgggaat gaatgcgcag cacagagcgg 300

ctgggcccgt tctcttacag gtggtttcgg tccagtctct gtctgaggac aacaggaaga 360

gacagagaat gcctggcagg tagctctgtt cccgttcttt ccctcagaga cagtcatt 418

<210> 441
<211> 461
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
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<222> (285)..(285)
<223> n is a, c, g, or t

<220>
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<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<220>
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<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 441
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tgggtgtcca ctgaggaagt agtatgagcc taaagacact ggcagcgtgc agcctggcct 120

gggagtggcg gccttcgcat ctctctctct ctcagcactc agccacgctg acctggccgg 180

gtggtccgcg tggacaggac agctggtgaa gcaagccgga tgctcagaac actgcgcgtc 240

tcctgtcctg ttttaagctt agctgggtcc tttgttttca cancntccta ggttaaatag 300

tttncactat ttttncaata aattcatggg aaacctaang gcnacttatg ttnttgttcn 360

tactgtgtgt ataaactaac actnaaggtt tgctatagtg ttttcttttc acctccttat 420

gtanccccat aacatncaca gaatgctgta aacctgatta a 461

<210> 442
<211> 521
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<400> 442
gggagatccc gaaagcatgt atgtgcttat aaaccaagcn gtagagatca tgtaaagacg 60

ctgggtgttg ctctggaggt ttctgagcta tggaaaggga tagggcattg tggtgtgatg 120

tagctaacac agagctcttg gtatggagta acagttaact atggactgat gtttccagac 180

gattgtgttc ttaatggggt ttgctttttt atttgcctct cagattatgt ttagtagttt 240

aaatttcttt gttttattat ttcattaaag tataaaaact tcaggtctca tatttatttt 300

cacttgttct actaattatt tacaagacac tttttggttg acatttattt tataaatgtg 360

tggtatatta aatgtcttta atttttttg ttttattgaa attacagtaa ctttgatttg 420

ctttactggg atttttaaat tttattttaa ttccactttt tccatgtcag tgcacagcac 480

ttgcccagtc ctttgtatcc cctttctgtc gattcaataa a 521

<210> 443
<211> 409
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<400> 443
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cccagcctac tcaaaagttg ttggcaagac catgaggcga cagatgggcc cctcttggcc 120

tctgtcccag ctccctgcag ccagatggag ggncgcctgc ctgcttcccc atccctgaag 180

catccccaag gacaaccctc cttcctccac catgatgagg ggaagctgga gccctaagct 240

ttgatcctct attggagtgg cccagatctt tccatctgga gtaagtctat gttagaagcc 300

naaggccttc tccccagtct ggccttggcn tccagcctgn aaaaggggtt atcatcagtt 360

ctgaaggcca aggccacccc ttccccagga cagaaccaca tctctgata 409

<210> 444
<211> 505
<212> DNA
<213> Mus musculus

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<222> (199)..(199)
<223> n is a, c, g, or t

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<222> (207)..(207)
<223> n is a, c, g, or t

<220>
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<222> (212)..(212)
<223> n is a, c, g, or t

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<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

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<222> (267)..(267)
<223> n is a, c, g, or t

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<222> (274)..(274)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 444
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taaatattca acaaattgtc aagatactat acattaaata taaatttaaa aagataaagt 120

aaaataaaag ctagaggttc ttttttattt taaacatgca agttttatta ctttacatat 180

agaactctat taaataatnt aatatancaa tnttttaaat taggaaaccc cacntnatag 240

ttagagatca gtttacatag ttgaatnttc tatnttcaaa gcacnaacat tgttgtaaga 300

tgctgttagn aaatgcttta tttgagncaa tggataataa ttatctgatt ctgatttgtt 360

gcttattntc tctnataatt atacgttctc tgactattgt atttagaaca atatttccag 420

ttttgttttc catttccaga gactgaattt gtaggcatag agcagctctt atccctcagt 480

gtactgtaat ctattgttct caatg 505

<210> 445
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<400> 445
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aatgtcgtgg gaagaagcag acaggggaga ggtcactgag agaaaactct tgatattcgt 120

taccacgcat gttttaaagt ctaccccacc ttcctgccca tctccagcac tgagatgcag 180

tgttgtgggc ctagtccatg tttagtgaaa tgcaatgtca agaaagtcaa tgaggaaatt 240

aaatgtaaat tctgagcagc catttactgg gttacttgag caaccaatca ttatgaattt 300

ctgttatttg gcagtgactt atcngtctat ttcttaccca aaaagcccat cagaaggtgt 360

cccttacatt attgctaacc ttctgattgc tgttnttaag gatagagaca tatatgtgta 420

tgtagtcaag gggacatcct tcccctcggt atctgtatga ttttgcttat tgttaatgta 480

ctgggtgagc tcctttgtgc atcaggaa 508

<210> 446
<211> 395
<212> DNA
<213> Mus musculus

<400> 446
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cttcattgta aaaggttaga aggcattaaa agttatcatg tgtgttatat ttataacata 120

ttcttgcagc caaaacacaa aagtagacta accaagttga atttgattta aaaaaacaaa 180

aaggcaggga gggatcaggg gcattaaaaa taagaggtta gaacctaaga agtcatcctt 240

atctacaggg ccaaaggggc tggattcctc tgttgtgtta tcttacctgg ttctttactt 300

acactgtcaa agacttcaca gtcccagagg gtatgccagg agggggcctt tctaaatgaa 360

tcctgtgaac actgcatttc tttgcttctt tagtg 395

<210> 447
<211> 370
<212> DNA
<213> Mus musculus

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<222> (79)..(79)
<223> n is a, c, g, or t

<400> 447
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aatggggagg ggtagtgtng gttttagggg ttttaactat gtgaaatttg aaatcaggac 120

agttgttggc tatggtactt actagttttg tagtaatgtt ttgctagcct gactttcctt 180

actggttttt atgtccatgg tccccggtga ctgttactct tgtttggggt gtgtgcatag 240

tagtgtctca tctgtgtgta ggcagtcagt gtatgcacac ggtgtgacag tggaacgggg 300

tgtggctggg agtggggtgc tggagcttta agagcatttg tttttattca gaacagtatt 360

tcccatcttt 370

<210> 448
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<400> 448
ggaactgccg tagccttaac agacacccaa tacccagtgt caatgatgca tggggatcca 60

accagatcct gtgcatgtaa gacaagcact cgaccactga gctgtatctt ctgcctcttt 120

atgtcttagg taaatgaagc aatggaaggg tttttgtaaa tctcacttga gattgccatt 180

tatgaaccta attgtcttgg acatgcaatg tcagtgccct gttctctcct gcagtgtctg 240

catggcgtcc actacttctg ttggtgttgg gcgtgtgtag tgtcccgtnc actggggcct 300

gtgtgcttgt gctgaagtcg tgctcactgc agccctctag ttcctgtttg aggatgaatg 360

agtgcttgtt tgcagtgccc tggactgact tgcttttgcc cttgtgccta gttaagag 418

<210> 449
<211> 537
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (508)..(508)
<223> n is a, c, g, or t

<400> 449
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atgtcaggct gagtcccttc tctgtgtggc tgtgaggagt gggagtttgg gggagtttgt 120

aaactatttc agggggtgca gtgtggtttc ccctccctgt gaggcctcag cctctcttct 180

gcacagattc cgtgttntaa agagtttgct catgccgcca tcggtgtgct atagctttaa 240

cgcttctgaa acctctgggg ttgattagaa nccggggctt angtttccnt cgtacccaga 300

gnccccacct cacccagntn gtntcttntc ccacaaggct cttcagggac cgtggtggct 360

acagntctgg ccagcctctg gctcctagga aatatgcant cttgtggggt ttgatcattt 420

tgaagatacc ngggggtggg aagntctgga ntccctgggt tgggactcca tgtggntcac 480

ctacctcctg gtttcaccca aantcctncc ttgaaccacc agcaagtttc attctgt 537

<210> 450
<211> 311
<212> DNA
<213> Mus musculus

<220>
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<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(250)
<223> n is a, c, g, or t

<400> 450
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atttccccgg tttctactgt ggattctttg gtggctaact tgatagcctg agtggtcttt 120

ttcatntctt ttatgtccct tattcaagga gacagcataa ttactgcaga acaagacaca 180

tttgaagggt gttttctact aaacctcatt cagttattca gtttttaaaa gggaaaaaag 240

gcgtggcgnn tcaccacgcg gtgagctgtt tatttaaaca ttgaggagga agccagcagt 300

gagatgttcc c 311

<210> 451
<211> 548
<212> DNA
<213> Mus musculus

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<222> (260)..(260)
<223> n is a, c, g, or t

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<222> (306)..(306)
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<220>
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<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
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<222> (364)..(364)
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<220>
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<222> (368)..(368)
<223> n is a, c, g, or t

<220>
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<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (427)..(427)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (522)..(523)
<223> n is a, c, g, or t

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gtggtcagga gacggcaaga gtccgctttt cttcctcgcc tttccaggca tggagaatgg 120

gcttaaccaa ggccacgtgt ccagagaggt gtacccaggg gtgacgggnn ntgagaggcc 180

ttccacctac cctcagggag cctgggtttc tcaggggctc agtggggcag cacttttgc 240

ttgttgttgt tttaagtttn tagcattaaa ttgatttaaa agatgaagtt ggctatgcca 300

ggtagntccg agcnagcnga nctgggaatt tgaagtttgg atgttgagct aatatgtact 360

ggtncccnat ttgggttaat ttntcttatc ctcgantcag cttcctggtn ccacaaactt 420

antcctntcc gaggagtgnt cagcgactca ccccccccca cacacacttg aaatttgtct 480

atttttacac cgagtgtcca acctttgac atatgtgacc tnntcgtctc taaagttcac 540

cctcagga 548

<210> 452
<211> 207
<212> DNA
<213> Mus musculus

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<221> misc_feature

<222> (39)..(39)
<223> n is a, c, g, or t

<220>
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<222> (60)..(60)
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ctgggnccca tctcccaccc gactacctga gaaaccnctt tgtntcccac tgttactaaa 120

gcagaaagta tagtgttctt cacttgaact aatcaaatac aatagattat aaattgtgta 180

ttgtaaataa aagttcactc tgtgagt 207

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gcagaaagta tagtgttctt cacttgaact aatcaaatac aatagattat aaattgtgta 180

ttgtaaataa aagttcactc tgtgagtnca cattttggta aattatttat ttatgttaac 240

attatnaaag aaagggaaaa aatncatttg nccnnggata agtnaggtat gttggtcang 300

gctttgcttt annnnctnga tattanagct ggtttttgat cctggtcttt t 351

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cttattctat ttttatcttt tgcttggttt gtcaggtaga cacttgatag taaaatggct 180

ttcanaaang acattttaat catttgctga tatgagnact ggtttgagag tagtgttttt 240

gttgtgaaac attccaggtg aagcattata tgcaaattat ttaattatta atttctgttc 300

attccaaata cnagctgtta ancctcatag aatttaaaag atttgtttca tatttttcc 360

tgtatttatt aagctcttga aattgtgagg aaactcattt ttaga 405

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agtgggatca gaggggtgta ggttgcgatc cttgtcgcct gaggagccgg tggactgctg 120

agctagtcca ggggtagccg gtcccctcat gcatctgctg ccttagcttc tagaacggag 180

caagctttta cgtacctagg tgacatgtag aaaaatttac agtaaactga aatgaccatt 240

tgtcaatgca ttggtgcata ggagttacta gggctacttc tggaagccaa aatagaatag 300

catctccatg tgcattaaaa acttcgccag cactgccttt tgccagcatt ctaaatttgg 360

agttttactg agaaggaaac tgtttttata gttttaatca gagctatgca tttcatacag 420

ctttttaatt tacaatgaaa caaagaaaca aattcctttg accaaattgc ttgtctatag 480

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gtagaataaa anntcacagc agatttccca aagaaactta aattttgtta tattctgtgt 180

ttataactct agaaaagaat ttcctaagat aacaaactta ataaataat tcaaagaaaa 240

aatcccattt tttaacttct aaatttgctt tactgttgag tnnatcagtt ttataaaata 300

aatttgcatt tgtnttcana actaagaaaa gtnaattata natatgaagt atgcttaaat 360

atnatcttnn cnagattggn anatggagac ataactaatn ccnatttaga cattttacat 420

ctaattttgt gtntnctact tntctncctc cattagataa catgtncatg aagacaagta 480

caacactttt ctattcatat tcttctatta tactgttgtg aggaaatttg ggtttccttt 540

tgtgtattct tgc 553

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ggtaagacct aaatcgatca gagtcttagg gaaaaaaaaa acttcacagt gaaggtatgg 180

aagggaaaag ctatattcaa gctagctata tagggatata atgacatttt ttttttngc 240

aatagaagga atgaagtgct aattaacacn tacatgancc ttgtatgtat tagggctgaa 300

ccttgagnac attacagtna gagaaagaaa ccanacatna aagaccacat aagncnanat 360

ctccttatac cgagtatnca gataggcgan tctcctgaaa canccacagn tcacntgagg 420

aaggtgagct gagagaaaac agggcatgga tatttggaat gatgaggacg tttatgtaat 480

tgtggaattt gttccacaac tatggntnta ctgagatacc gttgaatcac acactataat 540

ggtgaattat atggtttntc agtcactgat caataaagtt ctt 583

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<223> n is a, c, g, or t

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cttgtgcatt ttcagttgtt ggtgaacttc ctttttttatt gacaatatga agactcattc 180

tgtgccatct accatataag tatatatctg tatcatgtta tagatatata tgatataatg 240

aattgttgca tagacatcga aatagaccgt ttatggaact tgagcttcgt gagctcagaa 300

gtaaaannaa ctaaagctag gatgtatgat gagatcaaat gctnttangc tttnccaaac 360

ncaacacnct gntntttnac aattaagnna aatgnatntc actgtgtgag gtaatttaga 420

tctgtctggg tttgtgtgtt tatttagaac atttcccttg actatagaag 470

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tagttgagtg taacccatca gttacttaaa ggacaagggt tgcctgttca catttgtgcc 120

attcaaggtg ccacaggaaa tgcatttgta ccaaattatt tgttttcttt aagaatgcct 180

tgtcaaaggt tcagaatgaa aaatagtctt attgtggctg tactagcaca gtggaagcag 240

agctccttaa ataagaaaat catcaataaa gcctgaaata cagagctcag agcataattt 300

caaaagtata aaaggggncc aaacagaaag aattcttttc ctggcatatg aaaatgtgtt 360

cttagtgctg cttccagaat gttctttntc gtttgccagc aagtttccaa ggtcaatgca 420

ctgctgctct ctgggagatg tctgacttca 450

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<211> 290
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attttactaa tcctaattaa ttccttttcc atgtatttta ctgtacttat ccataagaga 120

tcagcaggta ttatcagaca ctcactgagt gctcagaaat agtgaggact gtgaggaacc 180

tcaagttcag ttttgtctgt ccgtttgtct gtccgtgaag gtgtcttctc caggaggttt 240

gcagtgttgt tttgacttct aaacaaagtt gagcagaagg tggcccattt 290

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<212> DNA
<213> Mus musculus

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atgaaatcgt ggctagaatg ttaaatggat aatgtataaa caagaagtat gttatactgc 120

tcactatacc tttagctgtg ttttgaaata tagttttgca aaatctttct gtaggaaaag 180

gagcactctc tacatgaagg tcacatgttt tctatttcag agttcagaag ctc 233

<210> 462
<211> 500
<212> DNA
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tgaccagtgc ccacccccaa actttcccac agttctctgg gtgggggggct gggatacaaa 120

tacttctctt tgagctgtta atttgagggc attctggaac cttctactgc ttggatcttc 180

attctctcct gatattgttg agaggtctgg ccactaaaac tcttagaaat gtcatcatct 240

gtcacttcca tggggtcttg aggaaggggc aggcaggtct gcacccccctg cccccaggtc 300

tgcaggccag gactgggttc ctcccttctg ccctgccctg attggcacat cccctccagc 360

tctccagcct tctgtggacc tgcaggcagc tcttgtgcca ccttcacact cagttgtgca 420

agtcctgagc tcaggccccc tgcatccttc ctcattggct gaccaagggg aatcttatat 480

ccaagcagcc gaatccgtta 500

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actagctaat agatagatgt tcagtcctga aaaatggttg tctggacttg tgagtttatg 120

ctttcatttg gttgtcaatg atgagaacgt ctaggatctg aagccccaca ttaaatttga 180

actacttgaa tttaaacagt ataatttgaa aaaaactgaa ttatttttaa aactatatag 240

agtaaagtaa aaactgaagt tattctgtat tgcataggca gtacagattt tctgtgaaaa 300

ccataaagct attttgtcta ctttgcatga ataattcaga cttttctata tcaaggccaa 360

gtagtaacta naaattggat cttgctnttc agagataaga attctcagct catcataatt 420

atatntcttt atctaagtgt ttccttctag gtctcccacc aagtattaga tctttgaaat 480

gtaagcaact gatcactgat atatattgtc tggca 515

<210> 464
<211> 528
<212> DNA
<213> Mus musculus

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cacactctta tttgaccagt gcaggttagt gctcccagag agagcatcca agtcctgaaa 120

ttggcttggg gcctgggagg ggcgtgaaag aaggaaggat ttagggtagt aaagttaggt 180

acagagacct cgctgttcaa ggcctgggac agctgtccct gcccttcttc cctgttgtgg 240

tctgccaggg ttatgtggaa ggctgtgtag cagcaagcag ggctgtggag aggaacaggg 300

aagggagagc ctgacgagtt tggctgaggg tctgggaaat gagcagggtt ggggggaatg 360

tggatcaggt ttactagcac ctgccagaga ggccatctgg ggctcctcca ccccagcccc 420

caagcagccc ctccccccagc gcctttgcat tgtcccctcc cccactcctg ctgtgggttc 480

ccatcatttc ctgtgtcagc gcctggccta cccagattgt atcatgtg 528

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<211> 196

<212> DNA
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ctggnaccgt ggaagccttt anaatnaanc cccccagagt ggactccact tggctccttt 120

ngnaaaatcg ggctgaattt ggcacagggn antttnnna gcttcttccc caggaatatc 180

aaggctgcac ctcctg 196

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<211> 472
<212> DNA
<213> Mus musculus

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tggacagtta aaggtacctg tcaacttcct tgctctcctc tcctgcttct gtcctcacca 120

cagggatgct ggggttctgt gatgatggct ggattttcag ttgctgtgat aaaacaccag 180

tgttgggagc caggtgatcc aaggctctcc ccacagttct aatgtatgga gaaggaaggt 240

agtcccttat ctaacaccag gaataccct ggcaaagtca gtagtaaccc ggggccaggg 300

ccttggggaa actgtgggtt ttatcaaatg acctttggac ccaactcctc cccacaagga 360

gctgtggtta ttagacccaa tgccactata aaatctgtct gtgatacact tgataccctg 420

tatcttaggc aatgttgttt gattagcttc ctgctgactg gatcctattg ta 472

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gaagcctcgc ttggaaganc aggctgtccc cccgggacca gacccttgc atcaaactct 120

tacacggagg agacagacga ggaacccang gtgcttgncn nttggactta ctgtttcatg 180

atgtagaatc ttctgctgac atacaagagt gttgttcagc cacgctgata tttccagctt 240

cagatcagtg agctgacaat gtgtgttacc agaccaagcc tgtgcctgac accaggagca 300

cctatggtcg taactgtaaa antcttactc cagtnntccc aaccgcccac cntcctgagc 360

tcttcggaag gagcatagcg actcatcatc gactntcaat attctcctgg tgtggncctt 420

caactatctn tcctcctgcc tcancctccc gaatagcagg gatgacagnc ctttgtcatc 480

agncccagct catgtaactc actaagtgct accctgactt aaggagga 528

<210> 468
<211> 342
<212> DNA
<213> Mus musculus

<400> 468
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tgagacaggc gattgtgctg aggcaaggca tgtggaggac acgtgatcta tggagggact 120

aaatagaact tgacggacag tggcagaggc tgagcttggc ttgtttagag agctagctgt 180

gcaacagttt gtcagtctcg cagcattgct gatcactgct gagaggagag gcacaaccag 240

gaacttctca gggcattcct ctgggtcctt cctgctgact caagctgaag ctatggccag 300

gttatctctg ctaggtcatg tctccactgt tgattcgtgt tt 342

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<211> 290
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (254)..(254)
<223> n is a, c, g, or t

<400> 469
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ttggctttat catttgctng cctggaattt ctaggtagac cagaaacgtg tgatgntctt 120

nttaactgat nctggttcca tggtagtgat gttttattga ctatagtata gagttcattg 180

cttgtgctaa acaacatctg tgtgtgttga taagtgttta gtgtnccata catttgaaat 240

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<210> 470
<211> 472
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (407)..(407)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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gtggggtctc ntcgaggtct tgtgctggac ttgctaatgc ttagctgtct gagaaatgat 120

attgctttag tgggtttgct ttgctgtact tttttcatag attttttgg gggggtagt 180

gggggtacag gagcagcttc aaattaggaa agcataaagt acttttata agttcttttt 240

tattggcttt atcatttgct ngcctggaat ttctaggtag accagaaacg tgtgatgntc 300

ttnttaactg atnctggttc catggtagtg atgttttatt gactatagta tagagttcat 360

tgcttgtgct aaacaacatc tgtgtgtgtt gataagtgtt tagtgtncca tacatttgaa 420

atcatatagt aagctncctt tcagattggc ttttagctag taatatgcct at 472

<210> 471
<211> 478
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (347)..(347)
<223> n is a, c, g, or t

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<222> (403)..(403)
<223> n is a, c, g, or t

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<222> (425)..(425)
<223> n is a, c, g, or t

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atgactttga ggcaagagaa ggaccaaagt caggggacag aggggagaag gcatcttcct 120

ctctgcttcc agatgagagc acaagaggga atatcaaact gaacaactga caaaacaagt 180

tctggaagga tggatggaca cacacacctc tggctagagt gcatctatat agagccacca 240

ccctagttaa ctagagagga ttagctnaca ctgcctgttc tacagtccca cccccatact 300

ggccctgaac ctccattgta ccttcattgt cccccacagc cttgttncat gatggagagg 360

tcaggcataa ggaccagtga tgccactgtc cctgtgtgac ccntgaccaa gccacaaacc 420

ctgtntagac ctcgtttttg tctcctatga aaggggataa taattcctgc ctataaag 478

<210> 472
<211> 480
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (313)..(313)
<223> n is a, c, g, or t

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<222> (315)..(315)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (319)..(320)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acaagggctg ccaggaagat gtcagtcagt aaagtgcacg ctctaccccc ccccacatac 120

acacatacac acacacacac acanncgngc gcgcgcgaac atgtatgtac ataacataca 180

cacaatcaaa gctagcacaa aaacggatcc caagtccaaa ctgataagaa acgatgggtg 240

cacggtccac agcacttgcc tagcaagggc ctcgctgtgg ccctagggct ggagagagaa 300

aggaagaccc agnangnann tgnncgtnnt nntgactcan nccttnaccc nancactggg 360

naggcagaag aaagagtaat tccagttccg gcccagcctg gctctgctca gagaggagag 420

agaagggacc caggaaagca ggagaattag ggcaggcaca aggttcctgg ttaatcccca 480

<210> 473
<211> 144
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (86)..(86)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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aacgtgggag atgttctgat ntntcntttg ctttgcttcc gcggaactca cccantctta 120

aaaacacatc ttcattgcag aggc 144

<210> 474
<211> 156
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 474

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ntaccaggct gggttcccag gggaacttgt tgcaggtaag acgctgggga ccaaagctgc 120

ggacccatca tagctgacca accctgttgc ccttgg 156

<210> 475
<211> 183
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<400> 475
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atctaacagc ccacaactga tgcttcttgc ttcctgcagt ggacttcacc tgctctccct 120

ccctncccac tnttccagga aagacccttg gagcttgtgc atacagagtt tgaatttcca 180

cct 183

<210> 476
<211> 113
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<400> 476
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gaacttaaaa agattacagg gttgagaaac taaagccctg cacatgtatg caa 113

<210> 477
<211> 426
<212> DNA
<213> Mus musculus

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<222> (37)..(37)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (99)..(99)
<223> n is a, c, g, or t

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<222> (105)..(105)
<223> n is a, c, g, or t

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gttttttcta aagattnatt tcctntatgt gtatntgtnt gtgcntgagt gtacatgcat 120

gtagatgccg gcagagacca gcagagggca tcagagcccc tggagctata gttgtgaggg 180

gttgtaggct gcccagtacc ggtgctggtt accaaaccca ggccctctgc aagagcagca 240

aatgctgcga acagtgttac tttgttgtag tttgagacaa ggtctcatgt agccgaggtt 300

ggctttaaac tgatcctgct gcctttagca ctcaagtacc aggattacaa gcatggatca 360

catctggtaa tcttgcttta aaaaaatcta agtttagttg tctagacaag aggtatgttg 420

cgggct 426

<210> 478
<211> 538
<212> DNA
<213> Mus musculus

<220>
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<222> (370)..(370)
<223> n is a, c, g, or t

<400> 478
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agctcctcct gcatcatgac tgcctggggc tgccatgttc ctgccttgat gataatggac 120

tgaacctcta aacctgactg gttgttctat ttctgagatc tctgagaccc agcccaccag 180

gaacacacaa atgtggaacc gagataggct gaggacttat taaacagaat tctgctgttc 240

ctatcccagg gttggaccaa tgtgtagaaa attgcttatg ggattctttg aatgactttt 300

tcattgcggg aaatattaaa aatgaacctg ccaaccttcc acactcctgc ttctttcaag 360

ccaccaactn caagagatct gtctctgcct cctacgtgct ggaatcaaag aaattacttc 420

actgccatta gagcctactt cttcaggatt ctgcttatac tgaaaaccat gtgggacatc 480

cagccttgtg gactgaacaa cttctggctt cttggacctt tcactgttag tcagccat 538

<210> 479
<211> 343
<212> DNA
<213> Mus musculus

<400> 479
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tgagtaaacc ttccttattt acgagggtcc tgtgtgtgat gggggtgggg gtcctagacg 120

aggtaagtcc tcatctctca ggcttacatt aagtgcaatt actctttata atccagggca 180

tctggggtcc tactaaagtt ttaacggaga gagatcttca gggttcttat tttcctcctt 240

tccactctct ccaccctgca tcctctgtac catccccaac ttaaagccag tacaccagag 300

ggctgacctc caaacccctt aactcaggct ggcttaactg ggc 343

<210> 480
<211> 418
<212> DNA
<213> Mus musculus

<220>
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<222> (192)..(192)
<223> n is a, c, g, or t

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tcacagtcta gtttgctaag acacggtgtg tctcgtttca gagggcttat tgggcaactt 120

ccctgacaat gaatgccttt tttgaagacc acaggttgca aagataagtt agggacatct 180

gtctgttttc gngaagtgag gacagtgacc ccatatggga atcagaacat ggcattgctc 240

cttagagata cattccatcc ctgtcaaggt catctctgta tacgagacag aggttggctt 300

ctccctagca gtggggagtg gggagtggtg tgttcttctg agactctgta acatctacct 360

catgagggtt tcctgggaaa cagtgagatg atgttctgtg ctctgttaga ctgtgctt 418

<210> 481
<211> 432
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (294)..(294)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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tctcnttatn tggccctgaa tgtcctcaaa ctcactatgt agaccaggct ggccttaaat 120

tcacaaagat ttgcctgttt ctgctttctg nagttctggc ctgagtctag tttatttcat 180

ttagcatacc aatttcttct gtcatccatt ttcctaaaaa aaattgaaac aaaatttaaa 240

aaattaaaaa agtcatgatt ttctttttct tcatgactga ataaaatccc actntgtgta 300

gtgccacatt ttcnttatgt ntgtctattg gtggacatct aggctggata tttttctggc 360

tnttgtgaac gntaaagcaa caaacacaga cattcaagta tcgctgttca cttagagtgt 420

gtgccccgcg gt 432

<210> 482
<211> 488
<212> DNA
<213> Mus musculus

<400> 482
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cctcgatcat cttttccatc cagatgcaag tcgtgggagc tgagagctcg gacgagggtg 120

aaattgccgc cttccctccg acccgaacgc gtgcgccccg ccggcccccc gctgggtgca 180

cactcgcacg cacaccctcg cacccatacc cgcacacgcg ggagcacacg cacaggtagt 240

cagtcacaca ccaagggcag cagcgacggc ggacgaaaca tgctccggtg gcattgcaac 300

ccccccccacc cccgccatcc aaccttgcaa ttcatttgca gtcagacccc aaaccccaca 360

ccttccccgg agccccccctc cataaaaaag tgccttcccc ccaaaacaca cacgcacaca 420

taacacaaag taggagaatg gaccgacaga gatatttttg gcaaatgctc acatcagagg 480

gcgtcctg 488

<210> 483
<211> 450
<212> DNA
<213> Mus musculus

<400> 483
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ggggggggggg ggcaaggttt ggaatttggc aatcttgaac ccttttaagg tgctaacatt 120

ggccctttgt aattagcttc atgctgtgac aagtttgagt caatatgtct gacgtacgtg 180

gttttctttt aaccatatat ggcttgccgg ttttgtacac cattcccaga gtatgtgtaa 240

caaatatgtt ggattcttta gcagccttgc cagcctctgt actgttaaga cagcctcctt 300

tattttattt atttatagat aaggactcaa aagtagccca gtgctcaacg ttggacttgc 360

ttgaatatgt agcacggaaa accttgtaat cctaatcttg cttcagttat aatcgatagg 420

attataggtg tgccccaata aattatgctt 450

<210> 484
<211> 223
<212> DNA
<213> Mus musculus

<400> 484
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cattattcct taaatttttc atgtggtaga acacctggaa ataagaattc tgggcatgaa 120

ctatatgcag aactgctact gagaatgtaa gataagtatg taaatatata ggtgtgtatt 180

aattagatag tcatatgctg gctaacaagc actatttcta ata 223

<210> 485
<211> 197
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 485
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cctgggggac nntgnnagag ggncctgtcc atcctcacca tncccttccc ttttctcctn 120

caccccctnta ntntacctnn acagtctcca tgacccccan cctcttaccc cctgcacctt 180

tcgtttaacc ctgtcat 197

<210> 486
<211> 283
<212> DNA
<213> Mus musculus

<400> 486
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ccatctctat aacctatata gatcagtagt gtgtgtgttt ctgtcctcta ggaaatccta 120

gtagcaagct ggctagctaa actaaccata tgggcaaagc tctaagtaca gttgagacac 180

cttgccttaa tgtataaggg ggagaagatg agtgaagaca ccaacattag cctctggcct 240

ctgcatgcac atgcacaggt ttgaacaggc atgcacttgc aca 283

<210> 487
<211> 304
<212> DNA

<213> Mus musculus

<400> 487
ataacacctt tgagatccac gacgacatag aggtactgaa gcggatggga atgtcctttg 60

gtctggagtc aggcaaatgc tctctggagg atctgaaaat cgcaaaatcc ctggttccaa 120

aagctttaga aggctatatt acagatatct ccacaggacc ttcttggtta aatcagggac 180

tacttttgaa ctctacccaa tcagtttcaa atttagaccc gaccaccggt gccactgtac 240

cccaatcaag tgtaaaccaa gggttgtgct tggatgctga agtggcctta gcaactgggc 300

agct 304

<210> 488
<211> 498
<212> DNA
<213> Mus musculus

<220>
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<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<220>
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<222> (437)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (469)..(469)
<223> n is a, c, g, or t

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tcgtgtgagg gcagctcagt gaaaatctac aggctcctc ttgntgaggg gcagttccag 120

tgtgtccatg tagggttcta gctacatcgt tctagaagat atgagttaat ctctaataaa 180

aggaaaatta agactgggga ttattcttaa actcaggaag acattttgag gtattgactt 240

tgagagcaca gatttagctt gaaatgagaa agaaaagaca ttgatatctt ctgtaaaaat 300

catgtagaaa cgagctgggc ttgtcnaaat aggactataa tttgtgttct gaaagacctt 360

ttcttcagat tgagaattct aagatgactt aaaatttgtg tnccaaattt tttgatatat 420

aaacaaagag aaagacncaa cttcaacttc aagtgcacag cgatatttnc agttatgtat 480

caatctgtct ttcctctg 498

<210> 489
<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggntggcatt ctcttcctat gtgcactgtg agaaaatact taaagttcct atntagagga 120

aatcaggccc tagtgttgac atgacttncc aagccccagt ttatataant gnnannanca 180

ntanntcntt tagatacctt ccactttgct gtggacggag aaacaccggc ttaagtgaaa 240

tatgcacctc ttcatgacta gcaggaaaag cttccttagg taccaacanc ccacgactct 300

gcggantcag ctgcatactt aacctggaca cttccactgt aagcttcaaa aggcaactac 360

atagtgcaaa aagcagacct taattctttt gaaaaaacaa ttttattttg gctttgtaag 420

actgtgaaga cttctgtttg ttcactagta 450

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aacttcaact aagaaaatgc ccctaccaga ttggcccgtg gnnaagcctg tggtgggtgt 120

acttcttgac ttatnattaa cgngggaggg tccacccagt tccttgagag tggtgccatc 180

ccagggcagg tggtcctgcg tgctataaga aagcaggttg accaagccat gaagagcaag 240

tcagtaagta ggcccctctc cacggcctct gcttcaagtc ttgcctccag gtccctgccc 300

tgagtttttg gcctaccttc ttttcctcag tgatggtagg aaaccttta 349

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<223> n is a, c, g, or t

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nacgaggagt acaccccact gcctctgagc aagatcatcc agcgggctga gagactggtg 120

gggccaggag gtgctctaca ggctgaccag cgagaactgt gagcactttg tgaaatgnaa 180

ctacgctatg gagttcctcg gagtgatcag gtcagagatg cggtcaaggc ggtaggnatc 240

gctggagtgg ncttnncnnc cttggncctn nttggantca tgntntccag aaacaagaaa 300

cagaancnat gagctgaatg nctgcccant ttttggnctc ttcttttgct agagggtttg 360

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (212)..(212)
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nagctcattt ncanatanga nattacttcc ntaangnatt aagttctctg tgtnntcanc 120

tntctntccc tncnagtttc atacctncag attcaaccaa ccacagaccc naaacacttg 180

naaaaccttg tntgagctgn aaacgaacag anttcattat tcattattca gagtattttc 240

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<210> 493
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<212> DNA
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<223> n is a, c, g, or t

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<400> 493
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cttgttangc anaanaaaaa anaaaagaaa gacctaaaaa gtaacttgaa gaatgtttac 120

atcatcagcc cctagataag tatatctgat acttttaaa acttcaaatt caatcttaga 180

gacccataag aggcgtggcc acctcttgac agttgttctc agacttcctg tgccttggta 240

caaacagacc cacagaaaaa ttaatgtaat tggagggagg gggaaaacat ggtttctcta 300

tgtatagctc aggcttgcct ggaactcaca aagatccacc tgcccaagtg ctagaatcaa 360

aggcatgcac cagcatntat ggntaaattn atntcatttt naaattataa aaacacaaat 420

ccaaaacgtt ttcttaaacc agtttcttcc agaagg 456

<210> 494
<211> 463
<212> DNA
<213> Mus musculus

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<222> (288)..(288)
<223> n is a, c, g, or t

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ctctctgcca ctcccagcga ggtacccacg gaagaatcat ttcctgtgac agaatcctcc 120

aggagacctt ccatcttacc cacggacaaa atatctacaa ctgaaaagcc tatgaatatc 180

actgcctctc cagaggggct gagccctcca tttggttttg ctcatcagca ctatgccaag 240

gggaatctgg tccggatatg ccttggtgcc acgattataa taattttntt ggggcttcta 300

gcagaggatt ggcacagtcg gaagaaatgc ctgcaacaca ggatgagagc tttgcaaagg 360

ccactaccac ccctcccact ggcctagaaa taacttggct ttcagcagag ggattgacca 420

gacatccatg cacaaccatg gacatcacca ctagagccac aga 463

<210> 495
<211> 345
<212> DNA
<213> Mus musculus

<400> 495
ttctagatct ctacaaagac ccagaaaaac ataaaatcat taccataaac aaacaaacaa 60

acaagcgaag aacaacaaca ccacactaag tcttaaaaaa ataatctcgc caaatacact 120

gagaacaacc ttaaaatcat tgaaaaactg taaaaaaaca ccaaaacaaa acaaaacaaa 180

aaaatcctaa aataataaaa gcaaaaccta aaaccctaaa aaaccctaaa attattaaac 240

aaactctaaa tgacccaaaa aagctatttt taaattctta ataaacattt ttaaaaccct 300

aaaattctat aaataagaaa acacaagaac tctaaataga cacta 345

<210> 496
<211> 224
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 496
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agcctctcca tgctgacctg gaccctgctt cccagccctg ccctgtcttt tttttcatcc 120

tctgcccagt cccatttttt tcccatttcc tgcaccccga tttacttccc ccctcacctc 180

cctgtgcctn tgtantgatg actcacagtg aggaggcctg acac 224

<210> 497

<211> 229
<212> DNA
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<223> n is a, c, g, or t

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tgacctggac cctgcttccc agccctgccc tgtctttttt ttcatcctct gcccagtccc 120

atttttttcc catttcctgc accccgattt acttcccccc tcacctccct gtgcctntgt 180

antgatgact cacagtgagg aggcctgaca ccagaccctg agccctcag 229

<210> 498
<211> 51
<212> DNA
<213> Mus musculus

<400> 498
ttgaagcaca cctgactgta tttgcatcag tcagtgatct tctgcttgta t 51

<210> 499
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (176)..(176)
<223> n is a, c, g, or t

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tgaatttgta tttccttgtg aatcttattt ggtatttttg gtattttcca acaacgccct 120

tcccacctcc ttgagttgtg ttttttttnc ctttaaatac ccccttantc agntantcgg 180

ggcgccacgg tcttttaccc ctgcgtggtg 210

<210> 500
<211> 167
<212> DNA
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<223> n is a, c, g, or t

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taccacataa agcaattgcn gtgctgtgtt nttggataaa ttacanaggt aaattacaaa 120

gtgaaggttc tgtgtttttc ccttatagac gcagagattt gcttcct 167

<210> 501
<211> 59
<212> DNA
<213> Mus musculus

<400> 501
agctggcttg ctttactggc actcttgact tataatttta taaagttgca ctgcatttc 59

<210> 502
<211> 139
<212> DNA
<213> Mus musculus

<400> 502
gaaatgcagt gcaaatttat aaaattataa atcaaaaatg ccagtaaagc aagccagcta 60

ggtgcaaaat aacgcaagaa gcttgctgga accttctagt ccaaaggggg cccttaaaac 120

cagcgctaat gctgctttg 139

<210> 503
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<223> n is a, c, g, or t

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ggcttctccc gcgtcgtcnc gggaaggctc tgctgttcag caaggggcgt gtctggagat 120

tcganttgaa gtctcagaag gtggatcccc agagcgtcat tcgcgtggat aaggagttct 180

ctggtgtgcc ctggaactca cacgacatct tccagtacca agacaaagcc tatttctgcc 240

atggcaaatt cttctggcgt gtgagtttcc aaaatgaggt gaacaaggtg gaccntgagg 300

tgaaccaggt ggacgacgtg ggctacgtga cctacgacct cctncagtgc ccttgaacta 360

gggctccttc tttgcttcaa ccgtgcagtg caagtctcta gagaccacca ccaccaccac 420

cacacacaaa ccccatccga gggaaaggtg ctagctggcc aggtacaga 469

<210> 504
<211> 322
<212> DNA
<213> Mus musculus

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atttctcttt ttattaaata tttaggcatt gaaaagacca tagtgtgaaa agtcaaaatt 120

gctataagat acgtaagcaa tgccatagct ttttcatgaa ttatttgact attttagaat 180

aaaactaatg tttcaacctt gtttatctac ccacttgttc taatgaccta tagactcttt 240

gatacatagt ctcttttcta gtaacttgtg tgacaggggc taaggcagaa atattatgta 300

gaagtagatc cagctaagac ac 322

<210> 505
<211> 485
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gacgttcctt tatcacaccc cctatctaat actgtattag gttnaatttg catcctcatg 120

tattttatgt aacctgtgca catgcatttt tatcacaaat aaatatgcaa tctttcacat 180

gtgttataat taagaagaaa gagatttaga atgagtgtgg gtttaaggag nagggaacaa 240

ttcagctaaa aagcaacact tatttccatc agggttttaa actcagagga tctggaaggc 300

attctttntt caatacatct gaatggctaa ggttngacta aggaggncac antcactgta 360

tacaggagga agtaaatntn tccccttaaa gttnccagat ttaacaagca tgaatacatg 420

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ccctg 485

<210> 506
<211> 451
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cgtgcttcag taatgccaac taatactaaa gatggaaaat aagcaattat ttataaattt 60

gtgcaatgtt aggttaaaac aatgaactgt taaagtggca tagtaataat agtcgcaaat 120

attattttac ttgcncaaca aatacagttc ctttgtttta aaataattat tttcaacatt 180

tgaccaacct agtagctaaa aaatacatag ggtgagctgt ttcaaaagtc atatttgctc 240

aagacaatca acccttctct ttttttccac ttaggtattt tcttttacat accttgaact 300

agcaatacaa ttttaaaatc accaactgaa ttttgtatct attttaagtn atatatgtaa 360

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<210> 507
<211> 104
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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cacatagaaa aaattctgca catagggctc aagtattttg ttgt 104

<210> 508

<211> 186
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tagaaaaaat tctgcacata gggctcaagt attttgttgt tgtttnttta tcttttcttg 120

tttttttgtt ttttgttttt ttggggtttt ttttgggtca agtgccattg aagcattacc 180

tcatga 186

<210> 509
<211> 248
<212> DNA
<213> Mus musculus

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<222> (128)..(130)
<223> n is a, c, g, or t

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aagcaaggag cagctgagca gcaccccagc ggagctgagc cggcaggcca cgcccctcgg 120

ggggggggnnn catttctacc caccctgctc tgaatagctc caacttcacc ttaggagcct 180

cccaggggcg agcttcaccc agaagccagt gactcactcc ttgattggtg gaagctcagt 240

tggctcct 248

<210> 510
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agaagggtag cttaggttca tttcataaat acancaaaca agttgagaaa ttaatttata 240

acaagggctg aattgaagna cactgtggtt gatatgagat ttttttttng ttccatcaca 300

tgtgantcat gtnaaattna acttnacctn nagaaccatn gtncttgaat tattcactnc 360

ctntcagaan cctcagtgtg ncctaagata ntcctattna ccattgtgaa gttntcagac 420

tagtgaaaaa aaataaacct nagcnangca attcagttag gaatacattt ttttaaatat 480

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aaggcacgtc gtagcgcagg cttataaaat tcggtcatta acgttctcat taaagtaagc 240

ggagttgggc gaggatccca aanccgccta cccnccgcgc tgcaggcggg aaggcgctgg 300

cacttcacag gctggtcctt aaccacagcn agtgcggctg aagaactccg tggacgcgtg 360

cgcgcgtggg tnccgcntct tggcttgtga ctagcgttag gaaattaccc aagattattg 420

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cagcaacgta gaaaatttgc agctgccttc ctggcattga ttttcatctt ggcagctgtg 180

gacactgctg aggccgggaa gaaagagaaa cctgaaaaaa aggtgaaaaa gtctgactgt 240

ggagaatggc agtggagtgt gtgngtgcct accagcgggg actgtggatt gggcacccgg 300

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aatataatat caacgaaatg cgcgatgcga agctctttgt tcacntgact ccccccctccn 240

tnctnanncc cnctgttttc nttntgnntc gttnccctcc cacacacaca cctttngcca 300

ccgttaacac gagggncaaa ccccttcatg cgcgntccct ggcgcgacct gcattacnac 360

gtgggcttta ctgncgcctn cctcctaacc ttccacctnc ttnccncnct nccctgcag 420

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tacaggatat tacccaaatt attaatgaat gcccaagaag taatttcctt ctcattcttc 180

taaaagtact gcctttgaga gcacacacac attcgtgcaa cactgcagtc attgctccag 240

tttaaattac atgtgtgagc accattgngg ctagtaagcc aatgtaccng gctgcaaaat 300

gaagacactg gaatagtgtg tatnnnnnnn tnntnnnnta ttgaagaana taattttcta 360

agggtactcg tttcgtctct ctngacantc ttgcttgtaa tntccccaga gctcccccat 420

cagtgttcct aactcctttt tgttatacac cccatccatg atcatgtctg tataactctt 480

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caaaaactag gtatttttag tgacctgtag gcagtggcaa atacagacat gtgaaccttg 180

aatacattac atttctctca aacacaaaga aacaaacaaa aaacttttcc agcgtgttct 240

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tgacttagta tgtagctcac tccttattct gagacattgt ctgtggtgtc cctgaaacat 360

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tgataggatt gaaaccaatt cagcgaattg tatcttttaa tgtacataat gtattctttg 240

attttcagtt tgttgtcata ctgtctgtgc cgatggcttg gctgaagatt ttgatgcgta 300

cacaagntca ctgttnatca gtgttgttta gtggcnttgn canctctttg taaaancata 360

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gcagctgtgt caccttcttt ctgtcaacct acagacttac tgattataat catcccattt 180

tctttttttc acatatacat acacacacac acacacacac aaagntggat ttaacacnac 240

cattacatca tttctgaagc aaaattatgt gtttggctga aactatngtn aaatggnatg 300

tanantatag ggttntgtcg aatgcttttg aaagctatgt tttggagaca atactcttnc 360

tatgtggnaa anngtgaaga tnttntacnt ctggctcttg ttaatcacca tntccccngt 420

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tatccctgct tggacacctg agcatcagat ccctgtgccc ctggtgccat ctggcctggc 300

tggagccagg aacaagaggt caccccaccc tagaatccgc atggtttccc tgtgattgca 360

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cagaggctgc tcctgccccg cgccgcctcc gccgatctgt ggaccaggat ttgggtcccn 180

gaggtgcccc ctgagagaac gtactggggg ctntgctacg cgtcaaacgc ctggagaacc 240

cctcgcccca ggcgccggca cgccgcctcc tgcctccctg agcgctgntg catcctgcac 300

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agagagtagc tgttcacctt gaagacaggc cttagtgtca cgcaggttta ttacagtggc 180

atgatggtga cctgtgcang tcactgagct gtaggagtga ggcatntgct gcacntccct 240

ntcgtactta gagacctgnc cggtgcccnt gcgcgggncc tccccaggac acactgacgt 300

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tccttaggtt gtgcccagcg agatgatgtg atggccattc tccccaacca gctcccccag 240

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<213> Mus musculus

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gatccgtatt acctattgtg aacctaat 88

<210> 525
<211> 409
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<400> 525
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aagccaacgc catcaaacgc atctacagca gcctgtgaaa atggcgggca gcttgagcct 120

tcctgttgtt ccagcaaaaa caatatagct tacaaactaa ttcggcggtt aaagggttac 180

cagcccagaa gtattaggat gtgctgaatt tatagtagtt aatcccttag aaatgagtaa 240

aatagagctc tcttgccata aataccttat gaaaagcaaa gctgtagaga agccgaggtt 300

tttcnatata gaatccttat ttcctcttga atttacattt tgtaatcaga gatgtgctgc 360

tctggaaaag actctaatgg gttgaacata agtctgaacc tactcccca 409

<210> 526
<211> 522
<212> DNA
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<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (307)..(307)
<223> n is a, c, g, or t

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<222> (316)..(316)
<223> n is a, c, g, or t

<220>
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<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

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<222> (390)..(390)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (433)..(433)
<223> n is a, c, g, or t

<220>
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<222> (453)..(453)
<223> n is a, c, g, or t

<220>
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<222> (455)..(455)
<223> n is a, c, g, or t

<400> 526
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ccagatgaca gccaaactct gctaacccgg gacccttttgc catggacttt cccttctgtt 120

gtgcaaatac aacagaacaa aacaaagcaa aacaaaagag aacatataca tacatacaca 180

tacagacaga cagacagaca cacacacgca tacacanaat ttgtaaaatg taattagtat 240

tcaaaggaaa ggaggaaaaa acttcatttg ttggaagcta acgtnttcta gcgactgtat 300

aaaaccntgg ggcatntctc ttanttctat attcnntcat gaagaaggnt ctcagaattg 360

tgtgaagctt tgagttggtg gcttctttgn cctcaggtnc tgtgtgatgg gggggagaag 420

gggagagcat atncaatgaa ttgtaaagac ctntnctgtg caggtgctaa gattaaacac 480

taaaagagag agaacaagct atatgtaatg tacctctgac ac 522

<210> 527
<211> 543
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<400> 527
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gactactacg tgcctagagg aggtcgcagg cggttccggg ttcggcagcc catcgtgcac 120

tacagatggg acctgatgca tagggttggg gagccccagg gaaggatgag agaggagaac 180

gtacagaggt ttggggatga tgtgagacag ctcatggaga agctgaggga aaggcagctg 240

agccacagcc tgcgggcggt tagcactgac ccgcctcatc atgaccacca tgatgagttt 300

tgccnttatg ccctgagtcc tgagcttttn tctgaagatg acatggggac ccctgctttc 360

aaaacttaca tgtttgtgat gtactgttgt aatatttctg gtgtcacttg tttccccatg 420

gggctccaac ttnctgccag cttctaattg aaacttgtgt tttcgactca ntcttacatt 480

tctttttttg ttagcagaat ttatctattg catgggaaga tgctcagtat atattgtgaa 540

cct 543

<210> 528
<211> 551
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
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<222> (400)..(400)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

<400> 528
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cccaaatgtt ttaaagtgtt aaattacctt atagcatttt agaaatataa tttacttgaa 120

gagatgtaga atgtagcaat tctgtaaagc atgtgtatcc agtgttgcct agtttgacct 180

ttgtgaagtc tttttgtctt gtagctttta gcaagtagct gtgaaaacca tcagaactcc 240

tcaatgaagc taatgtttgg aaaaagtata tacttgaaga acaaacccaa gtgtgtaccc 300

ccaaccccag ctcagaaata gaaagggttt aagtttgctt ngtattagct gtnccttcat 360

tattttgcta tgtaaatgtg acttaataaa tggtgcnaan attaaatttt attgcttgag 420

gacagacggg cataaaggaa gggaaaagac atttaatgta aaggcctnta gcttctttgt 480

gggttttgag ttntctgtga accaatgttc tgtaaagaaa cacaaactta aagttgttta 540

ccactgtggt g 551

<210> 529
<211> 204
<212> DNA
<213> Mus musculus

<220>
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<222> (79)..(79)
<223> n is a, c, g, or t

<400> 529
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actgggaaga atatcaatnt gggggggggg gggtcaggaa cagaagagcc cacaatatcg 120

gggaaagcta agtgagccag ggtatgaata tgagcacctg aaccaaaacc tggagctaaa 180

attcaaaaga ataccgacca gaga 204

<210> 530
<211> 346
<212> DNA
<213> Mus musculus

<220>
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<222> (186)..(186)
<223> n is a, c, g, or t

<220>
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<222> (193)..(193)
<223> n is a, c, g, or t

<220>
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<222> (225)..(225)
<223> n is a, c, g, or t

<220>
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<222> (248)..(248)
<223> n is a, c, g, or t

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<222> (253)..(253)
<223> n is a, c, g, or t

<220>
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<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<400> 530
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attctcgctg tctatgactt agcaggccaa tccccaaagc actctcctgg tgtctctaga 120

gtgtgatgtc tgttctgttg aaatgaccag tgagtgacac ttcacatgat cactggttta 180

aacagncaat cangcctatg aaattctgta tttctgaata ttttnatagt aattttgttc 240

ttgtgtgnat ttnaatgcna tctctatctt aatcttaata ttttgaaatc acatnaaata 300

taagnaaatg tagtattcta tatttactcc taatttcaga ttcctg 346

<210> 531
<211> 158
<212> DNA
<213> Mus musculus

<400> 531
ttgagtcaat cctgcatcct gttcctagcg catggggcac cgggcgctga gcttagaata 60

gcccatgtgt tacctgtctg tctgtcctcg tgcctgcacc tcctgcatgt cagaggcctc 120

acattttctc tctgagggaa tcacagccaa taaacagt 158

<210> 532
<211> 297
<212> DNA
<213> Mus musculus

<400> 532
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attaagtgtc catgagtttt gggccaggtg tgtggcttag cattgacctt catgacctta 120

catagctctt tagagaagcc ataacaatta gactgcaata ctattcagaa tgccctctgc 180

ccaaagagat gaagcatgct cggcccacag taccttgctc acctgggcca ttctctgcgc 240

ctctggctgg ttttcatgaa ttgagaagcc agctctgagc agatggccct ctcttga 297

<210> 533
<211> 508
<212> DNA
<213> Mus musculus

<220>
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<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
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<222> (391)..(391)
<223> n is a, c, g, or t

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<222> (402)..(402)
<223> n is a, c, g, or t

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<222> (408)..(408)
<223> n is a, c, g, or t

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<222> (418)..(418)
<223> n is a, c, g, or t

<220>
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<222> (430)..(430)
<223> n is a, c, g, or t

<400> 533
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ttgtgactgg aatgacagca acaacgctca ctttgtaagg tggctgctgt gaattatctg 120

tgagaattca gcatagttcc agatgacgga gtgcctgtat catgaccgca ctctgcgtgc 180

ctgccagaat tctaaccccc tctcctgact tttttattcc ttgtgttcca gctttgttca 240

gccactgtga cactagtaac cctctaaaga atttgtttct ctggctctcc cttggcacat 300

catgcccccg aacagttaaa tgataatgtt atttagcccc tctgtccgan tcccnaatat 360

atatcaaatn tnctnagcac ctntctgttt ntcctgagct gntctttntc atggttgncc 420

cccctctttn tctgttttcc caaatcttgc tgcttccggg agctgaagat atctatgaca 480

ttcacatgca tgcattcctt tgtgtgcc 508

<210> 534
<211> 530
<212> DNA
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<220>
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<222> (197)..(197)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (279)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>

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<222> (374)..(374)
<223> n is a, c, g, or t

<220>
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<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<400> 534
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ttagaacaat ttccaagtcc aagagacttg tgaacttttg acaatcctag cctgactgga 120

tcctgggacc agatgctggt agcacagggt gatgaatgcc ggtatgtata gcactcggga 180

ggttgaagca agaggnttg ctgagtctgg tgaccgggat ggcagagtca gacctcatct 240

cagacagagg gtcatccttc aagtcacccc actccnacnn actgctcagt ggggcacctc 300

tgtggccctg gggtagtgtg gagaggttcc cactcatacc ttagcaccgt ccagtgttga 360

tggctttttn ggcnttngng ggggnccctc cttttntccc cacctgcagt cagtgtttgc 420

agtnccaccc tcacctgccc attcccagct atttatttat ttattgtgtg ccagtgaagg 480

tgggggtagg gaccttccca ccccctccac ctgttgtaac cggtccttga 530

<210> 535
<211> 550
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (492)..(492)
<223> n is a, c, g, or t

<400> 535
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tgggatcgga acagctctgg acattccaag gacttattgc ttcagtcttc cagtacttac 120

aacttatatt ccaccagatt gtacccgaag gcatgttctg ggcagatgac atagcctatg 180

agttaatgac caaaaaggtg gagcacctca gcagactcca cccccagtat ccatgcagga 240

aggatatgaa ggcagtttcc cccacggcaa acgctggggt gaggagcaag caagaggaga 300

aacttcaact cttatctccc caaaagagtc caacagtcaa ggtgaacagg gaccgatgct 360

ttaccaccaa agtaatccca aaggccacca aacaagaggc cacccatcct accaagggtt 420

tctttgggcc attccccact gtgggcctca accttgttgc tgactgagat ctcgttgcat 480

aagatccctt tntccgggaa cctcctcaat gccctccaat ccaaggggca attcttggat 540

gacccaaata 550

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<211> 423
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<400> 536
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ctttgcattt atccatgtag tttagttccc cctaccaaaa aagttacata tcaatggatt 120

aattattttc attgtcatag caaggggggcc acgtgatcag gaagtagcat caagtaagtt 180

tcagaccaac tgtcttctgt gaaagtttat cctagtaaat gtcacatttt gcttttctgt 240

ttcaataact gtatatgtaa aaaaaattat tgaaatgaaa accctagact ataaatgtat 300

ttataataag atatggatat ttccttcagt agactgtaac cataacttca attattttgt 360

tccacactgt ttttnatatc tgtcatgtac attgcacttt gatctgtaac tgagcgaccc 420

tgg 423

<210> 537
<211> 533
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<400> 537
agaggcctcc aggtaaagcc cagaggccaa ggaagtttcc aggacagccg gacagctccc 60

gtagcaacct ggttccagca gcctcggctg ctggctgctc tcccagcact ggggttcggg 120

gggaggggggg tggccaaggg gcgtttccnt ctgcttttgg tgtttgtaca tgtaaaagat 180

tgaccagtga agccatccta tttgtttctg gggaacaatg atggggtggg agaggggaca 240

gtgagcgtgt ggaagaggga ggtgaagatg agcccaagga cattgtgaca ctgtccactg 300

actgcagact tgggccaagg cccccgcttt tcatggctct gcctggacat ccggcctcca 360

ggttccgagt ggagagaaga tgagaactgg ggtagaagtt cagagtgaag ggcagagtcc 420

tggcggggtg gtggctgcag ggccagcagg acaagcccgt ctggatggag tgagacctgc 480

cctgcagcgg gtgggataag gtctgtgtgc gtctgttcat tgtcatcttt tga 533

<210> 538
<211> 501
<212> DNA
<213> Mus musculus

<400> 538
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ttaggcagta ttacaccacc tcccttcagt ctctcagagg tagaagaagg caggcatgct 120

ccagagacct tccggtgact ggaagaggcc cacacaaggg tccctggcag caggcaggtg 180

gaaggtaacc actgtcagga tcccctgaac tgcacgtgtc cttccctact ttggaagctg 240

ttaagagtct accaggcaca cagatggccg cccctgcccg agggagtttg atgagcagtg 300

gtgaccctgc ctgcccgtcc ccgtgcctct gccagcctct cttgcacggc caagccctgc 360

cctcagcagg cttcccaaag cttagctgag ggttcatgcc acctctagct ccttgaaggg 420

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tggtcactgc atcctttatg g 501

<210> 539
<211> 492
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(349)
<223> n is a, c, g, or t

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aggagttctc caagaacaca gctttctcac ccacagttca ggcttcctgg tgacaggtga 120

ctcaggtgca gaggaagtgc aaatgaaggt gctaaatctg ctcatccctc actgggagct 180

gaaancggaa acctatgttt atccactgga ccccgcncag gccccnagcc atagaacctt 240

actgtagatg cctaaaagca tacaatcact gcagaggaca agctagtgct ccagacaccg 300

ctccccagcc ccctccgata gagccgagtc accacacacn cacnnnnnng tctctcatgg 360

gcacatgcct tccactcttc aatcccataa ttcctttctc gcacccaaga ggaaggaaca 420

gagtttagtg tagcatcccc ttctagccac gcatagaacg tatgcccttt agctagctct 480

tcttacactc tg 492

<210> 540
<211> 313
<212> DNA
<213> Mus musculus

<220>
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<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<400> 540
cttgcttttt taagtatgct atgtatagga cattttatca ccagacacaa tgctaccacc 60

caaaagntga aaaaacacac acanaaaaaa gccacatctg gtcaatcaac accaccagca 120

gatattaaag aaagaaagaa aaaagaaaca aacttttctt cagagtcttt ccccaacagg 180

gttacattgc ttcagttggt gggtgtccct cccccaaagg aaaggcagaa acattcagga 240

tccaggaggg gtatacacac ttctcccacc tcacggaggc aggctggaaa gtcagctctt 300

tctgcaccca act 313

<210> 541
<211> 311
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<400> 541
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ggcatgccaa ataacttctc tgaaatgcct cgacaaagca caaccctcaa cttacggagg 120

gaagaaacca ctgcaaatgg aaacactcgg ccaccttntg cggctagtgc ttggaaagta 180

aatgcctcgc tccttttaat gctcaatgct gtggtcatgc tggcaggctg agggtctgca 240

gtttctgaaa cgaaggagaa ccttcctcca tgatgtacag ttgggaaaac gtgcccctat 300

ctaaccagtg a 311

<210> 542
<211> 397
<212> DNA
<213> Mus musculus

<220>
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<222> (271)..(271)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<400> 542
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gtctctttcc tgaggatctt gtgatggttt cctgttgggg tatggtcaga actggactcc 120

tggcacctcc aactctgcta tttttcagta tttacccaaa atacccaacc aagcagattg 180

gatgatgcca atgtgtttct atagagacga gtatgctatt ctcaaataag aaaccccaag 240

gtggtgtcaa ccttaaaaag catttaaatc ntcaaacagg aaaaacggag ccccagatcc 300

ctttgttcct tgcattttca tttaatctga aaatgtagat taggcagagg agaagggaaa 360

gtctgactnt ggtattctct caactgtgct ccttaga 397

<210> 543
<211> 379
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (184)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

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gaactggagt ttggggagtg ctggatgtgt ggtcatgctt ggttgaggct ttagtgtatg 120

tgtttacata cacaagcaca gtttgtttgt ttgcttattt atttatttat ttatttattt 180

attnnntnat ttatttattt ctcagctggt cagtcagcca tctcctgtaa ctctccagtc 240

tgaaagtgac ctaacttgac aggactaggc acccctattc catgtggctt cattccaaga 300

tgacccagga tggggatttt gctagcatgg gaaggggaac agaaaagggc cttagcaatt 360

gcttcattcg gtgcactaa 379

<210> 544
<211> 366
<212> DNA
<213> Mus musculus

<400> 544
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tcctcttata gcagcaaggg agccctgggt cccagggatg ggctcctgtc tgggctcctt 120

gtctcccagc acccgctttt ggggaaacaa cttttcctct tcgagctgaa ccactctgtc 180

catattacac agaagccata tttgtaccag gggggcgggg ggagaggggg ctgttgtgct 240

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tatctttata atctttctaa ctctcctgtg ctaatctcag agggaccacc ctcaatatat 360

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<223> n is a, c, g, or t

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ttgatggtca ctagcttgga caacgtctgc aaaatatgag actattttcc acctgggaaa 180

aaattataac cacaaaaaca gagagaaaga aatatctaag tgattgccaa gattatgcca 240

aagcctgttg gcagagcact aagagacttt tatttttaag tcntgctatt ttcacagatt 300

tatggtgatc atgtgactct agggatnccg atctatgtnt ccttccaaat acagtgttta 360

catggagtat cataagagnc cacctgggga accaggacag cagcagggaa attgagtgat 420

tagcaatttg actttgaata tnttctaagt atttaaatga aatatcaaaa tatacagcag 480

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<212> DNA
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<223> n is a, c, g, or t

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tgggntggac cacacccctt cccgccattt ccagacccct acctgtactc cccagtgctc 180

cccaggggcc tcttgatgct gcacgggacc ctgcagggct cggtcagtga tgtgttttgt 240

ccccagttaa ccgccatcca gcgacctggt tccaggagga gctcaggtca cccccaccac 300

cgccgccact gcgtctgccg ccctaggctt tcagacatca ttagttccga cacttgtgaa 360

actccgagac gtgccgtggt ctcagcaatg cacctgtttt atacatgatt gtgtaattta 420

aaggtatata aatacaaata tatatattat atctatatct atcagttgtg accgtatggc 480

tgtcgataaa acc 493

<210> 547
<211> 472
<212> DNA
<213> Mus musculus

<400> 547
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gactgtgggg atgaccctgg ccactatcat gttcgtgctg gggatcatca tcatcctgag 120

caagaaggtg aagtgcagga aggcggattc caggtctgag agcccaacat gcaaatcctg 180

taagtcggaa ctgccctcct cagcccctgg aggtggcggt gtgtaggatc ctctgcagat 240

ttccactgct gtccctggcc agagtgcagg aaccagagga cccagagaag gcggtgggga 300

cccagcctgg cgccagggag tgtgccccca atcagccgcc agacccaccc caaggccgga 360

gccaatgcac cccgctctcc ctccccaggc cttggcaaca acgatcctat ttgtacccta 420

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tactccgggc gagagggtga caagcacaag ctgaagaant cagaactgaa ggagcttatc 180

aacaacgagc tctctcactt cctggaggaa atcaaggagc aggaagtggt ggacaaagtg 240

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcgccnngan aggcagctgc gggctgtgct ccggacggac ggcgagcccc gagcgcgcct 180

gggcgncant gctagcgcga tacatccagc aggtccgcaa agctccttct ggccgcatgt 240

ccgttcttaa gaacctgcag agcctggacc ccagccatag aataagtgac cgggactaca 300

tgggctggat ggattttggc cggcgcagtg ccgaggacta cgaataccca tcgtagtggg 360

ccagcgtctt ggccctgctt ggaggaggtg gaatgaggaa acaaccacac atacgacccc 420

tcgcctctaa tgtctgacgt tttgagtatc tatttattaa gtccccaatg tgaaatctgt 480

ccagagtgtg caatgcagcc acatctcagc ctagctgtgt ggtcggaagg cagtgtttcc 540

ttcagtgact cccagaccta atgttgctat gcta 574

<210> 550
<211> 225
<212> DNA
<213> Mus musculus

<400> 550
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agaaaggact cattcttagc tttaggggggg ttcctgtcac tgaatcgagt cgctgccctg 120

gatgcagggc tggcctgggc gacgctccag ggatgaggag ctgagaaccc cagtctaata 180

atgtccatcg acacctcctt atccctctaa cgtactatgt ctttt 225

<210> 551
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<212> DNA
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<223> n is a, c, g, or t

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cccntttatg cccacgaccc tgtgtataca nnaaatgatg atttgtctgt ccaggtctac 180

cctctgcttg tcccagaacg ccattgacat tgactttggt ttggttttta tcttgaccac 240

actgtacagt aacatccaag agcccttcct acagtgggtg ttttttttt ttttttttnn 300

ngnctttta caccttttct cggtcagtga tgatgtttgt ccctgttcaa catgtanccc 360

tgtaacagaa gcccatcaaa ttaattcaga gtgtcantct gttntcccta ttgtaggtga 420

aatagtgacg tagaaaacct agtnttctga atgcttttcc atgtagactt tttctggaat 480

gtgaacacga ctcttcagtt a 501

<210> 552
<211> 481
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 552

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cactcacgag gttatatccg tttctttgta tctatntcaa cgtatacttc ttgaagactg 180

tatacgtgcg tatagataag tagatattat atatatatat atatacatat atatacatgg 240

atatataaag ttcctttgcc ggcatgttgc cttgtttctg cttaaattgc tctattttaa 300

cttatgtcct aaaagaagaa tgtaatttgt ttacaaacct gtagataatg tctttggcta 360

tttgtgtggt ttaaggacac tggtggccaa gatgcttaca aacagctcgg gcccaacaga 420

cacatcccct ggattgcatc cttgaagttn tacgantagc catgctctga tttttgcctg 480

c 481

<210> 553
<211> 511
<212> DNA
<213> Mus musculus

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gtccccgccc ctccctcccg cagatttgta cgtattactg tgtctcgtgc tgtcttcgca 120

aacgtggtgt acgcctgccg caggtgtcct gtgcccttct ccctccctga ctctagagtc 180

tctcttctcc ttagttctca ggcctctccc ctgctcctct ccagtgaacc ttttccctta 240

ggactgaacc acactagcac cggttgattt cttctgtagc gcttctccca tcccttcctc 300

cggtcaagca atgctcatgc ttcaggatct tgtttgtcga acatgtgggg tttcctttat 360

gttatttata taaataattt ctcaaatgga tatttaaaaa aaagctagtc tgtcttgaaa 420

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gctctgtacc gtcctgtact gcagcatttg a 511

<210> 554
<211> 171
<212> DNA
<213> Mus musculus

<400> 554
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gacaaatgca agtgcaaggg ctgcaaatgc acgaactgca agaagagctg ctgctcctgc 120

tgccctgccg gatgtgagaa gtgtgccaag gactgtgtgt gcaaaggtga a 171

<210> 555
<211> 197
<212> DNA
<213> Mus musculus

<400> 555
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cagcccgtga cattgtccag tttgtgccct tcagggactt caaggacgct gccccctctg 120

cactagctaa gtgtgtcctg gcagaggtgc cacggcaggt ggtagagtac tatgccagcc 180

aaggtatcag tcccggg 197

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<223> n is a, c, g, or t

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cgactacctc caggcctccg ccatcacccg catccccagc taccgctacc gctaccagcg 120

ccgcagccgc tccagctcgc gctccaccga gccctctcac tccagagacg cctcgcccgt 180

gggcgtgaag ggcttcaaca ccctgccgtc cacggagatc tccatgtaca ccctcagtag 240

ggacccccctg aaggctgcca ccacgcccac cgccacntac aactcggaca gggataacag 300

ctttctccag gtccacaact gtatccagaa ggacagcaag gactctctcc acgccaacac 360

agccaaccgc cggaccacgc ccgtatgaag accgtg 396

<210> 557
<211> 308
<212> DNA
<213> Mus musculus

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gtgccaacac cagcccctca gggaggtttc tagtccctct ctaaaggctc agaattggac 120

agttaagcct tctgccctgt cctgggaggt gatgatttaa gaatcctaaa aggttcaggg 180

actctattcc aagctcaggc tgggccccac tggatggata ctcacgctcc acaccaaagc 240

aggacaccct acggctctcc ggcatccctc tactctgagg agggagagcc cttccttgaa 300

gtttatct 308

<210> 558
<211> 510
<212> DNA
<213> Mus musculus

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ccaagttcgc gcagcacgcc ttccgcacct tcgacaagaa cggtgatggc accatcgatt 120

tccgagagtt catctgtgcc ctgtccatca cctccagagg tagctttgag cagaaactga 180

actgggcttt caacatgtat gatctggacg gtgacggcaa gatcacccga gtggagatgc 240

tggagattat cgaggctatc tacaaaatgg tgggcaccgt gatcatgatg aaaatgaatg 300

aggatggcct gacgcctgaa cagcgggtgg acaagatttt cagcaagatg gataagaaca 360

aagatgacca gattacactg gatgaattca aagaagctgc aaaaagcgac ccttccattg 420

tattacttct gcagtgtgac attcagaaat gagctgatgt cgatgctatg gactgcacac 480

aagtcttgat gttccattca gtctgcagct 510

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<223> n is a, c, g, or t

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aatgcagtat acaacttaaa aatcctgctc aactactcat taagtataac tacatatcta 180

tagacacaaa ggtattattt attgaaagta aaaacataat aatgggaatg tattgatttc 240

tgtttgacgt ttcaaaggct tccagaaagg tggcaataga tntcccaaat aaatttctna 300

tagtcgattt acttccctaa ttattaattt atagttttca gctcagtgtt nataggggtn 360

agctanccat aacttactaa tctaccctgg aatttgcaga atgactggaa gtggggaaag 420

tcactgtcca acttatcat 439

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<211> 372
<212> DNA
<213> Mus musculus

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agatctcagc ctctgtttct acctgggact cagatcttct ggtagcttaa ctatttcagt 120

cgaaagagaa ggtctctaaa tccgagatga tgtgctacta gtaataaggg gaccctgttt 180

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atgcttggcc agcattgtgg cttgtcatgc cagccccatt gcctaccttg tcatgctcag 360

aggtcctact gc 372

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gagatgagtc agaaaatggc caaggagggc cccaggctct ccaagaacca gaagttctcc 180

gagcacttca gcatccactg ctgcccaccc ttcaccttcc tcaactccaa gcgtgagatc 240

gtggaccgca agtacagcat ctgcaagagc ggttgctttt accagaagaa ggaggaggac 300

tggatctgct gtgcctgcca gaagactag 329

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<212> DNA
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gcaaactgag aactataaaa atcaagtacc gggcagtaaa tgcagtatga cgttctgggc 180

ctgaatattg acatcccaca gtcctgtatt ggttattgct taataaggag aagccacaag 240

atctcacact ttttctataa tgcaatagga tttaaaaatg acagcagaac acaaagacac 300

tagaaattgt cctgtcagaa ataaaagtat aagaaataat tcctggcttg aggaaataac 360

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ggaggcagga ggtngagata caaagtgngg agaagacacc tgtgttaaga agctcactct 180

ggtgctcatg accaggaggg aaggagcggg ttgcttcaat ttctnggttc ccaagggcca 240

cacagncccc agcaggcaga aaggcagtca tggcttgcca cactcgctca ggtcaancca 300

gnctgaagnc tgaggccttg caagnagtcc agctccaccn ngnaggtggg tgtctgaggc 360

cagccaacct ccagagcacc tgtgcctggg tcgggttata gaaaggttgg gagctctagt 420

gcccacccca cccccattca ggggccatgc catactggct gtcctggcat tgcctacgaa 480

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tggaccaaga aatctgtcca cagctcagga a 571

<210> 564
<211> 72
<212> DNA
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<400> 564

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ggatcgctta ca 72

<210> 565
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<223> n is a, c, g, or t

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ctcaaggtgt aagtgccnca ggtagacaag gaactccaaa atgcaagcag tgtggcagaa 120

acagtcnctg gctgataatt tattatactc agaactgtgn cttgtttttc tggggaagtg 180

actcagagct tttttgatgc atagttgaga tacccacata tcaaggcaga gaccccgcag 240

ggctcagaag agcagcagtg cactcccggg gaatctctgg ataaaaattt gcatggtata 300

gtcataatag cttttgagct ttttatatgc atttggcacc aagactggga tccacaactt 360

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<223> n is a, c, g, or t

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catatacacc taacaacaca cacacaacac acacacacac tcacacgtat atgtatgcta 120

catacatccg tgcagcagga aagaaatana cantganccc acctccactc accccagcac 180

accntntccc aagttntggg gcaggagccc agctntgcag tttgcaggaa gcactagcgt 240

ggggcaaagg ggagagatgc tgggtgtggt ntntgaaaga taagtgatgg antgcgctag 300

cccntgtggg gacattaaag ggcatggctn tnttannnnn nnnannnnnn ntttgagcag 360

ccaggagcag tctgtctggg cctgatgccg ggggactgac ctaagggtgg gtgggaagac 420

ctgctntnnn nncnnnnctt agtgcatctg gccccagctt gccccttggt gtggtgacag 480

tgagcagctt tccggaaaac tgcagtgggc tctaaggaaa cattgccctc acctggccag 540

tggcgngcgg ggaccttggg ccggagtgga gactgagttt gaaataaacc gttacaat 598

<210> 567

<211> 377
<212> DNA
<213> Mus musculus

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<222> (153)..(153)
<223> n is a, c, g, or t

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<222> (157)..(157)
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<223> n is a, c, g, or t

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<222> (304)..(304)
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catacatccg tgcagcagga aagaaatana cantganccc acctccactc accccagcac 180

accntntccc aagttntggg gcaggagccc agctntgcag tttgcaggaa gcactagcgt 240

ggggcaaagg ggagagatgc tgggtgtggt ntntgaaaga taagtgatgg antgcgctag 300

cccntgtggg gacattaaag ggcatggctn tnttannnnn nnnannnnnn ntttgagcag 360

ccaggagcag tctgtct 377

<210> 568
<211> 472
<212> DNA
<213> Mus musculus

<400> 568
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ccgctcgctg cggaccatga gctaccgagg caccttccag gagttctgtc ggaggttcat 120

gaatgacaaa ctgggctacg gctcctggtt tgagcatgtt caggaattct gggaacatcg 180

aatggatgcc aacgtgcttt tccttaagta tgaagacatg caccgggacc tggtgaccat 240

ggtggagcag ctggccagat tcctgggtgt gtcctgtgat aaggcccagc tggagtcctt 300

gatcgagcac tgtcaccagc tggtggatca gtgctgcaat gccgaggccc tgcctgtggg 360

tcggggaaga gttgggctgt ggaaggacat cttcaccgtc tccatgaacg agaagtttga 420

tctagtgtac aaacagaaga tggggaagtg tgacctcacg tttgactttt at 472

<210> 569
<211> 483
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (216)..(216)
<223> n is a, c, g, or t

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<222> (245)..(245)
<223> n is a, c, g, or t

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<222> (301)..(301)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gttttcatgc tgacccactc aatgctattc agaactcaat tggcttagca ctttctcatn 120

tccttaggtg catttagatt ntcagagtta acctgcgtta aaaaaaaata aaataaaata 180

catgtatata tttaaaaaaa aaaataaggt ttcccnttnt nggcaaacag cannntacac 240

gcttntttcc tgtgctactg tagcaaacca cagcattgat gagaaggcat gcggactgtg 300

nttcanttca cagtgtttac ccgagcactt aataaaatgt aaggctggta tttatttgaa 360

gttgtacagt atgacttaat tcacatctgt tggaatagaa aatatattct gttgagtatt 420

taagaggctg tacatgtttt ntttgtgtt tggattnttt gtgctttttc atgttcggta 480

cat 483

<210> 570
<211> 325
<212> DNA
<213> Mus musculus

<400> 570
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cttcctcgca gaattcccag aattttgcaa cttataagga aggttacaac gtatatggca 120

tcgagagtgt taaaatttag gggatgacct tgagcgctgc cacgaggaac aaggcaaggc 180

tgtcaattac aggaagtact ggagaaaatg gacgtgttat gactccagaa tttcccaaag 240

cagtgcatgc tgtcccttac gtgagtcctg gcatgggaat gaatgtcagt gtgactgatc 300

tctcgtgatt gataggaacc ttctg 325

<210> 571
<211> 519
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

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<222> (306)..(306)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acccccacgg cctctcccca ccttttccaa cgtgttgcat gctgggagtt gaggaggaaa 120

gggctgctgc cttcatttag gaggctgaga tttgagggca agatccaacc tggtagacta 180

ccccgcttgc agcggtggtg tcttctctgt ggatggatag aaagagaaag aaaactcttc 240

ttatctgggg gaggggcgtc ctcttcctta tcnttagatt tcttnttana tcccctcctc 300

acactntaat ttanttcnnt ntttcaggag gntnnntngg tggggagggg gctgggcagg 360

gaattgtccg aggtgctgag ctgggcggga ccggaatcgt cctgggaaga gtaccaggga 420

ctgggtcggg cctggggcct tgtccaaggt gccaatgatg cgggccgacg gcgcaggccg 480

cactatctgt ctgtccgtct gtcctggagc gaactataa 519

<210> 572
<211> 462
<212> DNA
<213> Mus musculus

<400> 572
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ccctagtcct ctccctcagc cctcgaatat ccattccagc gtactcaaca cacctcttcc 120

cgaagaggaa ctcagcgagc cctttggagg gtggtttgcc taatcagtgg gttagaagga 180

atgcaattag gtcgtcacgt cattcgtgga gatgagtctt agggcgcatg ccactctccc 240

cgctgctgct tcaaacacaa agacagccat cagaagccgc ccgggaggct tgctgccagc 300

aggggcacct gggtgatact ctgacactgt ccccacagta gaaggcaaat catctcctag 360

tcttgccgtc tgtatacctt gtttggggtt ttcatccctg gcttattttg tggctttgaa 420

agagtgaatt gtgttgtgaa actgtgattc ccgtggctag ta 462

<210> 573
<211> 176
<212> DNA
<213> Mus musculus

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<222> (66)..(66)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 573
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tcaaanctan atagtgtggt gacatgtgag tccagattac tgttagactc cagaaattgt 120

tagcatgaac ttgaaatgga aaaatcataa tcactgaagg acttaggttg tttatt 176

<210> 574
<211> 454
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cacccagggt gactaagatc ggagtccgtt gcaaaaggtt aagccatacg acaatttcaa 120

aatgcatgtg attgacagct tcaaaacaga atgggttctc ccatgggggc tccagacatt 180

gtattttcct ttgtgcaata tgagggaact gcatgcaagc tcagggtgcc cccctcctca 240

gtccttgggg ggaattcaaa tgcatgatcg tgtatgtacc tagggaattc gccagtttcc 300

tganctgttg gaagaggggc actcgggggg gatntcttga gatgtattat gcagagtacc 360

aactganccn aaaataataa gtgaaacaga actctcttan ccttaagaaa gctatatatg 420

aatacttacg tttacctcac tggtgcattt aaaa 454

<210> 575
<211> 448
<212> DNA

<213> Mus musculus

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<222> (134)..(135)
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<222> (143)..(143)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (245)..(245)
<223> n is a, c, g, or t

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<222> (257)..(257)
<223> n is a, c, g, or t

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<222> (261)..(261)
<223> n is a, c, g, or t

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<222> (264)..(264)
<223> n is a, c, g, or t

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<222> (301)..(301)
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<222> (321)..(321)
<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

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<222> (351)..(351)
<223> n is a, c, g, or t

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<222> (362)..(362)
<223> n is a, c, g, or t

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ccctctctcc tcgtgctaag ctggatccgt gtccttttct ttttaacgag ttcaagtgaa 120

cgaaaactta tttnnccccc ttncctctcc ttttcttgaa gcttctgcta gatgnanant 180

tcactgaaaa ttcagtcagt cacaaactgg aagaattgta aaagaaaaaa aaagtatata 240

tcacnaagta cacacanggc ntcnacactt atnaactaat aaattggcac agaaggtntc 300

ntttcaccct tgtatccaca ntctgaanca agcacccatt tccatcggtt ntccggacat 360

tntctgttcc tgtttcttgc atttattttt ataccatatt taaatgagaa aacacctttt 420

actccagatg tatcaaagtt gacctctt 448

<210> 576
<211> 351
<212> DNA
<213> Mus musculus

<400> 576
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ggattgtgcc tgctgagcca cttcccttcc ctgctgccag gggcacgtcc cccatccccg 120

actaccctat ttattattgt agctatttat ttatttattg aggatgtgcc ccgagcgcac 180

ccccttccca ccctgtacat agctccaccc agctcggccg tggtgtattg tggtcactgc 240

tgctccctct cctttacccc ccacccccat tttgtttttg taaaccatcc cgtccacagt 300

tgtcagttgt gaagagggga ccagatgtca ctctgcagca ggctgatgga a 351

<210> 577
<211> 312
<212> DNA
<213> Mus musculus

<400> 577
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acctcagaga gtctttgaga aattgtgatc caccctgtgt cccttacctg gggatgtatc 120

tcaccgactt ggtgttcatc gaggagggga cacccaatta cacagaggac ggcctggtca 180

acttctccaa gatgagaatg atctcccata ttatccgaga gattcgccag tttcagcaga 240

ctacctacaa aatcgacccc cagccaaagg taattcagta cttactggat gaatctttca 300

tgttggacga ag 312

<210> 578
<211> 235
<212> DNA
<213> Mus musculus

<400> 578
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tggtttcaca ggaaagccca gcagaatcgg agaggatttt cagaggagca acttcgccag 120

ggacagaatg tcataggcct gcagatgggc agcaacaagg gtgcctccca ggcgggcatg 180

acggggtacg ggatgcccag gcagatcatg taagatgctg tatagtgagt gcccc 235

<210> 579
<211> 454
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<400> 579

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actttctcat gattacagct ttgtatgtta ctcttattta acaggacctc tgttgtattg 120

atttcttctg tatcttcctt ttgaatcttg taagacagaa gtttaagacc acgagttgga 180

agacaagtca cataatccaa acacaagtaa atggnctgca aaagatttga gtaactgctt 240

ggacttgacg gccttaaacc tgctgttcca gctttaacaa gagcatctta cctgggcgat 300

atttgcccgt tctggtgtga cttgtgtgac tccaatgctt accagctgtc actgaaacta 360

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tgtgcatgtg cactgactat tgcattcact tttg 454

<210> 580
<211> 414
<212> DNA
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<220>
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<223> n is a, c, g, or t

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tcttaaaagt cgacgtggac tgctgcgaga aagatttgtg caacggggca tcggtcgcag 120

gacgcagccc ctgggccctg gctgggggggc tcctgctcag cctggggcct gctcttctct 180

gggctgggcc ctaagacccc tccctccctc ctgctgggcc tttggagctt gtcccctaag 240

cctgttgctg cccctcccca gcctggcctg gctggggctg ggacagcaag ggtttggcat 300

caaggtctga ggctctcaac ctccctagat gtgagtganc cttctccgtt tctccaccag 360

ctccatatcc caagcagctg aatatctcca ggagtccaga catcctggca ggaa 414

<210> 581
<211> 473
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (168)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (171)..(171)
<223> n is a, c, g, or t

<220>
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<222> (175)..(176)
<223> n is a, c, g, or t

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<222> (188)..(188)
<223> n is a, c, g, or t

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<222> (192)..(193)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (208)..(208)
<223> n is a, c, g, or t

<220>
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<222> (216)..(218)
<223> n is a, c, g, or t

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<222> (245)..(245)
<223> n is a, c, g, or t

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<222> (284)..(284)
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<220>
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<222> (374)..(374)
<223> n is a, c, g, or t

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<220>
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<222> (406)..(406)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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gccttctctg gcgcaagctg ctgtggcacc aggtcttctt cgatgtggcc atcttcgtca 120

tcggcggcat ctgcagcgtg tccggcttcg tgcattcact cgaggganng ntcgnnggct 180

tggaaacntt gnncnttgag ggtggggntg gggccnnntt tcacagccat tcagtgcttg 240

gaatntacag cgtccagcca tttccagcaa gagcgctccc catnccctgg acatttcaac 300

cttgcggcct gaaaggttga ccgggaaatc catttcgggc gggcgacttc actctggaga 360

agccgcggca gggnccccgt ttncctngcc ggttttcagg aacccnaact catcttgtgc 420

aatgtatccg ntcgtggaac tgtatactgt gcgtgtggtg tgctcgtggt gaa 473

<210> 582
<211> 423
<212> DNA
<213> Mus musculus

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<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<400> 582
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attaacacct gcctgttgtc actttatgct tctagagcaa atgtatagtg aaacttcttt 120

gatggcactt attaaaaact cttttaaagt aagtacaatc aggaacattt accatctttt 180

gattcccaat aagaaattct attttcatgt tcctaatagg acataaaaca acatagactt 240

ggcttatttg ggttgatact tattattcct gctttggttt gtcgtttatc acaaattatt 300

aatttcttca gattttcaga agtgaaattt taaaaataat cttttggatg tttnaggtga 360

tttaaaatnt actgtgttgg tggtgaatga cttttgatga cggtgttaag tgcaactgta 420

ctg 423

<210> 583
<211> 362
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(335)
<223> n is a, c, g, or t

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gggctgcata ctatagggtt aactatgtat attcatgtta agagttaact tgtggtttgg 60

ctgtttcctg gattttaaaa catatacatg tgcagagatg tattcaaatg aaaggaagca 120

tatctttatc aagatgctag taaaactgaa catcaactat aatatttcat ttggattttt 180

tttnctttg gataatgccg agaaacgcct aattggattc cttttaattg ggagacgctc 240

tcttctgtgt agaacagttg ttccaagata gcttagtgtt ttgttttcct gttgcatgac 300

agaattattg tttccagcag tggaggtgct gttnnagagt ccagtgttct agaagaggcg 360

gt 362

<210> 584
<211> 400
<212> DNA
<213> Mus musculus

<400> 584
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tgatggatgt ctagaaaacg cccccgacac tgcagagttc agccgagaat tccagttaga 120

ccagcacctt tttgatccag aacatgacta cccaggtttg ggcaagtgga acaagaaact 180

cctttatgag aaaatgaagg gaggacagag gcggaagcgg aggagtgtca atccctatct 240

acaaggaaag aggttggaca atgttgtggc aaagaaatct gtcccccact tctcagaaga 300

ggagaaggaa gcagaataaa gagaagacag tatgtagaaa cccatccaat gcttatgtgc 360

atgttcatag agcccgtgag tgacagcatg cattttacat 400

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<211> 501
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (312)..(312)
<223> n is a, c, g, or t

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<222> (317)..(319)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (364)..(364)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

<400> 585
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ggctttaggc tttcatggtc tctagaatat tgtgaccnaa acgcaacgat tgttatagtt 120

ctcatatttg agtgcnatct ggagataatt catagttatg gcagttaata tttcttacag 180

aaaagttttc cttttgtggc aacatttta tangcttgtg tgaattccnt ttttttttnt 240

ttaatgacat aaaacagtat ttttgcacag ttgtaaccat gtgtgatggt gtcactataa 300

ccaaagtata tncaccnnnc ccttgtgcat ttattgttcc ctntggtatt gtgcacttaa 360

aatntccaaa ttcaaacctc tgtaactgtg gagaatctgg cagcagcaca gcatgcccgt 420

gacctncctg ctacagtgtg agctgtgacc agtaagcagg cactgtaaan tcctaagttg 480

ctctcaggca agggagtcca t 501

<210> 586
<211> 536
<212> DNA
<213> Mus musculus

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<222> (107)..(107)
<223> n is a, c, g, or t

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<222> (410)..(410)
<223> n is a, c, g, or t

<220>
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<222> (427)..(427)
<223> n is a, c, g, or t

<400> 586
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cctcccagtt cagtcttctg atgcgaccat ttaaagtgag acccacnatg gttgtcttac 120

ggggcactgt ggtttacctt tcatcatggc tccctaacac acctccatga agaagtgttg 180

ggttgttaaa gtagtgtttg gattactttg ctgcttgtaa agaaacttac tcacttattt 240

gcttttcctg aagttaaatg ctgggccagg catcatgaac acttgtaatc ccgcagtatc 300

tacaaggtga agggaggagg attgctgtga ggttgaggcc agcctggact ccctagtgaa 360

ttccaggcca gcctaagtta caatgtgaga ctccatctat ctcaaaaaan ccaaccaacc 420

aaccaancca aaaaaaaaaa aggactgaaa ggctgaggtg agtccctgtt gagtttattt 480

tgtctcagca cttgggaggc tgaggcaaga ggaacgtgat tccagactaa gctaag 536

<210> 587
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<400> 587
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caggggggcg ggtaggtncc ctttgggtgg tcctcagcct ggagggaggt ggggagtcat 120

gccaaggtga agagtctttt tgtttggtgg ggagccacgg atgatttctg ggctgtgggg 180

ctttgaagaa gttccctgat ctacttccct gcagaagaac acttcttgtc ccagctcttg 240

ctggctggag gccatggtaa aacaaaacaa aactcccagg attccaactg ggggtcccca 300

aactcaacct gcctctttgc acttagataa ccacagattt accccgtctg tactctgtat 360

ttcacctctc tct 373

<210> 588
<211> 528
<212> DNA
<213> Mus musculus

<400> 588
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ccacacctag atcgtgggta ctgtgtgtcc atgtgaacct ccacatttgc tcgtaatctg 120

cttcctgcct agaagcggca aagccaggct aagggaatct accagtcata gcacttatgt 180

ctgctcctca tggattacgc gctacacatg tgtttgggtt ttagaaacag gtgcatgtga 240

agacaaatct gagctcagtc agggtagaag cgaaaggctg aaccttccaa cgtgctgatc 300

acaaacgcaa agccagaggg ttcaagcagc catgggattg ttcttcatga agtgggctta 360

tttctctcat tttagttatt atgatgggat gaattaattg acatgtcggg tggcttatct 420

gtgggtgcca tgggtgatga tgttcatttt aagcttttgc ctgtagtaca agcacataat 480

gctactgaac gtttttccac ttggagactg tgagctggtt gctgcatt 528

<210> 589
<211> 487
<212> DNA
<213> Mus musculus

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<222> (113)..(113)
<223> n is a, c, g, or t

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aggagaggcc agggcacaag gccttcttcg cagagccatt tctgcgctgt ctnccgcagc 120

aggctccctt tgcctttcct gtgtcccctg ctttggtgga aagtgagata taagacctaa 180

atcctgctag gcgtgaccga gggcctggaa gcagtttctt gctcaccctc aattccaaat 240

gcatcaggaa ttattcccaa tcctagtact cgaacccgcc tgccccgcgt gactgtcttc 300

acgcctactt tccttggatg tctccagctc tatccgctcc gcggcgcccg aagcacactg 360

acactttgta ccagcgcctc tgaacccgag gtccacccgc caaacaaacc cgggcggccg 420

gactcgcgat tgcgctcatt cgcaggactt tcaaggggtt cgtccagaag ttttgattgt 480

accgaaa 487

<210> 590
<211> 459
<212> DNA
<213> Mus musculus

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<222> (56)..(56)
<223> n is a, c, g, or t

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<222> (61)..(61)
<223> n is a, c, g, or t

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<222> (137)..(137)
<223> n is a, c, g, or t

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<222> (322)..(322)
<223> n is a, c, g, or t

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nggcatgtgt gagaggtttc aagtgacgat aaaacattaa tgaccttagt ttctgaggga 120

atcttcatta agattancca cctgtgaaaa agtttgggac aaatgtagta ttgatttctt 180

atgcgttgcg agtgatgtca gcaccgtatg ataaggaggt gcacagccac tgttagccag 240

agaggcactt taatgcatct tcttttagg atcatggtaa ctggtcaata tgcttctcat 300

gtgaaaaaaa aaagtataaa tnccacagct agaaaatgcc caaggcatta acaggttatg 360

ttgcctattt cttaacatac atgcacacta ttttattggt actgccatta tatgcctttt 420

gattctcaag actggtgaac tgcttgctcg ttttagtaa 459

<210> 591
<211> 530
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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nnnnncnnng tggtctttgc cttggggagg ggagggccag agggaggggg agggggaggg 120

gaggggcggc cgaaanccaa ctgtttgtac tgaatggcaa gaatgttcta gtaaatgtgt 180

accaaaatgt gaactacttt gtacgattac agtctccacg tcgacctaac agaatattat 240

tgatattaat gtgctttttt ttgtataaag tncaaacatt tcgtcccaaa gtctgagtac 300

tttagtncag taaaatgttg tttcatgtcc tgtcaagaat tcgtatagta cgagcctgga 360

tntacgtgtc aaactgttcc atttgtttat gtaaagtgat attaaaaaga tataaactat 420

agctntccat tgcttttgnc aaaatataca accacacaat gtatataatt cctagtttcc 480

atatttatcc gcatgtaaag gntctggttt attcatgtta cagctattca 530

<210> 592
<211> 451
<212> DNA
<213> Mus musculus

<400> 592
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aggccggctc agcggagaca gaaagtgctg ctaaagctac cactgataac tccccgtcct 120

ccaaggctga agatggccca gccaaggagg agcctaaaca agccgatgtg cctgctgctg 180

tcactgatgc tgctgccacc acccctgctg cagaggatgc tgccaccaag gcagcgcagc 240

ctccaacgga gactgcagaa agcagccaag ctgaggagga gaaagacgct gtagacgaag 300

ccaaacctaa ggaaagtgcc cgacaggatg agggtaaaga agaccccgag gctgaccaag 360

aacatgcctg aactttaaga aatggctttc cacgttgccc ccacctgaac cctgtctctc 420

ctgcccttct cagctccact ctgaagtttc c 451

<210> 593
<211> 552
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (262)..(266)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggatgttgtg tccatactgc ggagtaagta ggggctggtg agtagggtaa tagctttctt 120

attcctgatg gtttaatttt gattctctga ctttgtaagt ctacagcacg tagaaagaaa 180

gaaagatgtg gcccttgcat ttagaaagtg gaaacgcttc ctttgggaga cctctnntag 240

gccagaagaa cccaggtnct tnnnnncccn nnnncnnnnn nngncatact tacacngntt 300

tttcagtnta cacnaaacac aacctcacgc tccctgcnaa gcancaagac ccctgaaagt 360

gacccatgct tccggcnggc nttntgcnat ntctagtgat tgttttggga atntctcact 420

gctacctgca cccagtgact nctgcagcac aagaacccnt ctaatgacac tacgcacggt 480

tgtttggaat tcataatgtn tcggttccaa gtgaggggac ctccagaatc aatccatgtg 540

agttcgcttt tg 552

<210> 594
<211> 354
<212> DNA
<213> Mus musculus

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<222> (221)..(221)
<223> n is a, c, g, or t

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<222> (311)..(311)
<223> n is a, c, g, or t

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ccggtcaccc ctcccagtgg accagccagc ccccactctg caaagtggcc tatgaggagc 120

tcctggacaa ccgaaaactg gaagtgaccc agactacaga cccatcacgg cagctggagg 180

gtggtaatct cgctttggcc atcctgttgc ccctgggctt nggtcattgt ccttggcatt 240

ggcgtttaca tatactacac taagctacaa ggaaaatccc tctttggctt ctcgggttct 300

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<210> 595
<211> 536
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (249)..(249)
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<223> n is a, c, g, or t

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<222> (308)..(308)
<223> n is a, c, g, or t

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<222> (313)..(313)
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<222> (425)..(425)
<223> n is a, c, g, or t

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<222> (427)..(427)
<223> n is a, c, g, or t

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<222> (486)..(486)
<223> n is a, c, g, or t

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actgttttcc tgaactaata actcaaccca atgagacttc tcagcctttg tatatacaaa 120

attcttccaa aagagagtgg gggggggggg gaaaccaccg ttctgacagc atcaagcgga 180

ctcggcatct caccatccct gacagtgtcc tgggttactc cgagggtgct gtgacangtg 240

accaggacna agctnaccaa ggacacttat ttctagatta cgattcttct gtttactcna 300

tgatttanaa agnaantntt caaaaataaa taaataaata aataaataaa taaatggaca 360

gacatcaaag agctntacgt tgtatatatt tatcaccaca gactataaga atggaattat 420

ttccntnttt gtcacataac tgtactagga cttgcccgag atcagaatcg atccattcgc 480

tgtttnttgt tttccgaagg tcatacattg tgtttggtta ttgttaacag cccaat 536

<210> 596
<211> 319
<212> DNA

<213> Mus musculus

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gtaatcttga gacttaggtg cggctgcctt ccagcaaaca gggcccggat gtaccatcgg 120

aagcaaagtg taatgtatat tttgatctgt aacaaaagtt gtgatctcat gttgtctttg 180

aaagtgtgga tattggtgtt ttgtgatttg gtgatcagaa ctgaaattac cattttggaa 240

actttcagac atttcccaca gaacagagat gcatttaaag gtagatttcc tcctggtact 300

ttacctgtct ttcaagtgt 319

<210> 597
<211> 391
<212> DNA
<213> Mus musculus

<400> 597
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tttgcctata gtcacagcca gggccaaata gctatgcaga acagagatat ctttatccag 120

cgccaagtca tctcacatct cacatgcctt acattgctgt acccgagacc acaggatggg 180

agggtagaga tgccctccca tgtttgaaga tgggggggact ttctagaagt cagaacagaa 240

catgtggacc tttttcctgt ctccaccagc ccttacagtt acccttgatg gtatagtttg 300

tccttgggct ctgcttgcta attttctctc ttgggatcag ggggacgtga actccagccc 360

tgactcgtgc tccttatgct ctgagtacat a 391

<210> 598
<211> 350
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(322)
<223> n is a, c, g, or t

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aggctgagag gctatttagg attcgaacag caggcattac tatatagagg ctgtgctcag 120

gaatttttca atgaagcatc ctcaatcgct cgaattggaa tcgattttta aatcctantc 180

tatagtctcg gctagttggg aggctgaggt atcagacatt agggacagga tcactttaac 240

cctctggatc gtatagggag atctgtctca acattaacta aaataaaatt aatcacatag 300

tagccaacca tgctaaaaan nnaccgtttt gtcagtttta tctttaagct 350

<210> 599
<211> 462
<212> DNA
<213> Mus musculus

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<222> (102)..(102)
<223> n is a, c, g, or t

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<222> (104)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
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<222> (426)..(426)
<223> n is a, c, g, or t

<400> 599
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ctgtgactta gtctgttgta gtggtgagct gacacatcca gntnngatng ttggtgaaaa 120

cttgtgcccc tctgtggtat tgctcctgcg acattctata aatatctata aatataccta 180

tatatacata tatatacata tatatggctg acacagcctc gcctgtagtg tcagaatcaa 240

ccaccatgct gtccttgtgg agtcttgtgg tccaaccaag ggaacgctgt catcctgaca 300

acccccccctc cagtgtacca cctccagtga gccccccctgt cctcctggcc tgtgaacagc 360

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gttctntggt agccaccagt cttgctgtct cttggctgag aa 462

<210> 600
<211> 412
<212> DNA

<213> Mus musculus

<400> 600
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actattgacc tcagccacca ccacgtcgcc cgtgtcttcc ctaccccaag cccaggacag 120

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tctgtgtctc tccccctctc tcccttgcaa ctctgcctct catttcctcc ctgggctctt 360

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ccagcgtgcc gccatctnca cncgacnctg tcttctaggg atagatgccc agggaatgaa 180

ctctagtttt cnaacggact agctgagatn ctaacttact caacgtgaac aggatnatat 240

gtntnctgtg tgggcgggcc aacgtgtgct cgcagggaac tttggggcag aatcctgcag 300

cagggatgca tgcagatggt tctggaaagc tttgctgccn cagggctaag ttcagatgcc 360

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aagacacttg agacttgttc ttgggccaat atataaggta aacaagcagg atgcacaaga 180

gtgaggagag ctaaaaggac atgtaagaaa ccaatcaaga tcaaggaagg tgaaataatc 240

tatatctttt attttgtttt ggtttaatat aacagatana ccaaccattc ccttaaaaat 300

ctcacatgca cacacacaca cacacacaca cacacgtaca aagagagtta atcaactgca 360

agtgtttcct tca 373

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<212> DNA
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cttgtggttt ccaaggagct gagaatagaa aggaactagc ttatttgaaa taagactgtg 120

acctaaggag catcagttgg tggatgctaa aggtgtaatt tgaaatggcc ttcgggtaaa 180

tgcaagatac ttaactcttt ggatagcatg tgttcttccc ccacccctat ccgctagttc 240

tggcccctgg cctctggcat aatatcttca caatggtgct ttttttcctg gggttttatc 300

cattcactca tagcaggtga ttagacgatc ttgattagtt tcatatttcc caattgttta 360

tctcttgttt ggagttgtat cagaaagacc tggaggatga ttctttgagc atagttcttt 420

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<212> DNA
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gcaggtgtat ctgcacagtg gtcgcccccc agcagaccat gtgttcgcgg gatgcccgca 120

caaaacagct gaggcagcta ctggagaagg tgcaaaacat gtctcaatcc atagaagtct 180

tggacaggcg aactcagaga gacctgcagt acgtggagaa gatggaganc cagatgaaag 240

gcctggagac caagttcaag caggtggagg agagccataa gcagcatcta gccaggcagt 300

tc 302

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<211> 238
<212> DNA
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acccaagatg aaaacccagt agtccatttc ttcaagaaca ttgtgacacc tcgaacacca 120

cctccatccc aagggaaggg aggaagagac agccgctctg gatctcccat ggcgagacgc 180

tgagagccct ccccgctcag ccttcccgaa tcctgccctc ggcttcttaa tataactg 238

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<212> DNA
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<223> n is a, c, g, or t

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aggaagacac caaagaatct gaagaggaag agaagaaaga ggagagtgct ggagaggagc 120

aggtggctaa gaagaaagat tgagccctat tcccaactat tccaggaaaa nttctcccca 180

atcaggtcaa cctcatcacc aaccaaccag ttgagttcca gatcctatac aaattaagaa 240

gtcaatacat gtataattct gagatgactt aggttggact ttcaatgttg tgctatgaat 300

ttcctcctta cgcagagtat ctgtttgctt gcagagtggc tttctggctt gctgccagcc 360

tgtgcatggt ccatgcttat gagttcagga tctatggcaa tgtgaatcac acagatgttt 420

acaataataa taaaaaaaaa accacacaca caacacgaat aaatgaattc actaatgttc 480

atgtgcaacc tcatgggaaa aatagtaact tgaatcttca gtggttagaa attaaagacc 540

tcgagttatg tgcaataa 558

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<223> n is a, c, g, or t

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cttccattaa tataatagct ttgcttgcag ccnttccaat ctatgttggt ttacctgtag 180

tgtttctaaa gggtggtcag aggccactag agannnnatt gtttgggagt gtagtgatat 240

atattttgtg tttttatttc aagtaagtca ttttaaccaa atgttcattc acattcattt 300

ataagaagta cctatatcag acaaatttta aaagaaaaac aatcagtatt aatggaccaa 360

atttcgtgtt tgt 373

<210> 608
<211> 106
<212> DNA
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tgaatgtgac tgtttagagg tggtagaact aatcccttac tgtaga 106

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ttctttgatg tgaaactgag aacaagtctt tttgagataa atgcagtgta tttcatgttt 120

gtaagcacct ctgagatgtt tggcaagaaa tcccctgatt tccacccaaa cttaccttat 180

agagcacaac gttaaaggtc gtacaattac tgtgagaact gtgaatatgt gtaacttttt 240

ttttncagtt ttnncccaga gggnagnaga tnattntnnn nnnnnnatat nctttctttt 300

ttttncnnat aaggatttat tctcagnaca ccaagtanat ttatctcnan tatnnaagta 360

tatgtnatat atncctattc agacnatata caganccctgt tttananana attacagtat 420

tatttagtna aattatctnt tctatggacc aaatgtaaaa tatttntaca tgaagatgtg 480

ttttaaatnt ctatcaaatg gaatcacagc tagaacacg 519

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agcaccaagc tggcggacct gggagagcag cggatatggc tggctgctgg aggaggtttt 120

gtggttacca gaactgacca ccagagagtc aacgctcaag atgggttttt ggactgtgtg 180

gaaaagtaga ccacaagtct tcagagatgg aggcctagat agaattcgtg tgttccatga 240

gatgagactg agggctttcc tttgctgcgg cccataggag gactgtgcta gagaattcta 300

tggtgacttc atttcagcct ggagnccttc taaagctgtg ataccaagat gaagaggctg 360

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tcatcccatt gccaaaacag ttgacagtgt ctgtgtgtgt tgtgtgcagt tttcaggatg 120

atataacaga tagcgcgtcc acgctgctgc ccctttggaa agagcagggc ctggttnatg 180

tagnctgccc agctgctcag tccagataaa tacatggact agcaactatg cagtcatcat 240

tcctgccttt acgtgattgg ctggacgagg gggcaaaaga acctatttat aaaagctcct 300

atatacttcc acgttctatt tatgcaantc ntcttcacag atcattctaa aatgaacgag 360

gtgatgtatg ctgtatcaga aaccatctgt aacagttgtg tt 402

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tcaaagggaa catcctggga ttcagactca gcaatggtgc caacatgaat ctacctcgtg 120

ccagagtctg agtagcctag tctagcaccc aacccagcta agattgntca gcagttccca 180

tgagtgaacc ctgaagaagg gagttaggag aagaggctat aaatcagaac acnccctcag 240

tgtaactgaa tgatgaccag ggaactattt actantcctt ttatgatctc ttgtaattct 300

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ttatatgtga ctatttttgt aactgggttt acgtttgggg agagggatta aggaggggat 180

actacatttc tctgtgtata atgagatcta ttttcaatga aggcatgctg cagttttcat 240

ccacacatga caatatcccn tcacacacgg aaagggtata cttctcattt cnggatgttt 300

ttagattttt tgaggtgctt ananagctat tcatattttt naggtgtttc atccagnaga 360

attttnatgt ncctgtaaat gttccanaga gtcacnacca tcaaagagtt gttttatttt 420

tacatagttc atnatatgta catgtatata tgtatatatg tatatgnccg tgtatataca 480

tatatatgta tacacacatg catacatatg cacacacaga ccatcacatg ctcagagtcc 540

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gtgcatgttt gagccaacga aaatgattta agcacagtat ttactgcatc anatatgtac 180

cacagttaag tatagtttgc aagctttcaa caggtgacat gacgtcattg gttccctnag 240

agnttgnanc nntcactgcn nnnnnnntnt cttgctgctg ctgcngtatc ttnacccttc 300

tgctnttnag aagtntnana gggaagccat atntcagagg tggagtgaag tggattnttc 360

catcaggaac tcantnttca cgacactgan caatgtgttn cagtaaacaa ggaagaaatc 420

cctnntcttt gttctcccta cccttaattg aacantccgg tgagatgtct gacagtgtaa 480

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<212> DNA
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attttagatg gaaaaaaaaa agcattttgc tcgtcatttc ttaatataat tcaacaggaa 120

ctgcaacatt tgtgtaccaa gcaataagtg caaagcataa aacctcctgt gtgtaaatta 180

tccccatgtt gcttgtggta gcagtgattt ctttctttta aaaaagttaa cctcagagct 240

ctttctaatg ttttgcgctg ataagaatgc acatcccaa 279

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gataacgaaa accgaggctg catcatagac tactccttta aatttttttt ctatttttt 180

ttcctctttt cggtttttgg agaaaaataa ataacaccag atttcagttc agagaacact 240

cgttcaacat tcagggaaac ctttatatgt cacctgctat gaatgaatgc agtttgctgg 300

caaanttctg atgcatttgc taagcattca tgggaaaggc atgccnaaat ctnttctcta 360

tgatgtgttc aatctgaggg aaaaaaaang gaaaaaaant cttaggacca ggcagttgta 420

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gctttctgta caaacgttgt gttttccttg ttatattcgg gggttttcct cttgcgatgt 180

gacccatgtt gggcattttt gtatcatcaa ttaacaacta catcttttgc caaatgcatg 240

cctgcctttt ccgttctnaa tatgtggtaa taaagaccaa aactggctag attttgcatg 300

aaaatggttc tgaaagataa gaaaacagac tttgaaggtt gtttagttta aatatgtggc 360

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gncaggnntt ctgaggtgca tgtgcagcct ccctccagga tcagctgacc ctccactcgt 180

gagcactgng caggcagtaa cactgcctgc cactgtgtga gcgaacctac tggaggtgaa 240

gtgactgtgg ggcactgagg atcagagagg agctcnccgc cccatanttn tnnnnttgat 300

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tgctctctgc atgtgcacag gctc 384

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tgatntagcc caatantncn tnttnttant ntnttctaan tntgantaga ntntgggttt 180

aagataacac cgatnaatgt ntnnccacaa taacgtgagg gtaagagaaa aagcagggaa 240

gaaatttcca gaaaaaaacc ctccagattn tcccacggga gtgtttnccc tccagtgtga 300

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cacgncccac acgnctggga gcannngcca caggctggcc acctcccact cctcgagccc 240

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tccctctgcc tgggatgccc ttccccctct nctatgcctg gcagttatct tgtccctttg 360

aggccccaca tcaagtgtca cctccttccc cagctctccc gggcagaaat antcgtctgt 420

gcttacttgg ttcatgcttc ttgtgtgaca cttctncgct gttttataat tagtcgggca 480

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atgggaacgg gttaggagca cacagtagcc cattggtgag acaaatttcc aggctagctt 180

catccaatcc attaaggaga ctttatgctt tttcatcttg ttttcatttn tggcaaagca 240

aagcctatcc tgagtgntcg tttgtntccg ccctccacgc cacccctgag acaccgagca 300

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aggcctccag ggcaaagagn aaggggttct ctgagcagag ccaggttctc agacaggagc 180

agaggaaact agcnaggagg cctnacanta ntgnnnggct tcccggtntc aggnannnnn 240

nnnnnnccta tnccccancc cctcactctc acantcttcc atacacacac acacctacac 300

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ttaatgcaga actctttaga aagctcagat ggaagaaatt atagttgtat ggaaatgaga 240

aagggaataa gtgatgtatg gcttgctacg attcaaccaa caccagttac taagtagggt 300

tgagtggggc tnccttcttg tctnccaggc gaatcattac attagtctgc tggccttggt 360

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ataatgtgag tggcntgcgg aagttgagat tcacaggacg agctgatggg gaattaaggn 240

tntntgaggt gtntccttta gctgctggga nccatnntnt gacctgctgg tncctagggc 300

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ggcatgttct cctggtgccg ttggctcctc atcacacagt atctgcacct ttccatgctt 180

ggtactgccc agatcttggc ctcctcaaag agccttttg ctttacctaa tttcatccca 240

ccagagtgtc tatcccctgt gacatctgcc aggcacagac tcaaacccta agccatccat 300

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<222> (514)..(514)
<223> n is a, c, g, or t

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accanttctn agcttnatag aaggaatnan ngtcactcng gctaacatag gggtacagca 120

tccttagtaa cccgagcgtg gctcgaagtg gtcatgattt catccnaaac acaatgtgta 180

aacttactca gctaacaatg ggaaatgtat tgcttctntg cgcagtggac ttacgtgcaa 240

tttgttcaaa agggaacaag tcattgagga gaaacaaaag cccaatactt agantcccaa 300

ttttntctta tttnccnaan nnnaagcaac cccccnagag ttgatattnt tacnatgtac 360

atactgtnaa atatgaaagn atcgatgtnt cttantttt cattatttgc taaccaaanc 420

tntacatttt tcatacaatc cncanccttt tgagtatcaa aggggtaaac cacacccntc 480

anccnattct ggaagtgcac tatttatact ggtntccttg ctttttttt cccattttct 540

tgctgagatg acatga 556

<210> 629

<211> 426
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (257)..(257)
<223> n is a, c, g, or t

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<222> (274)..(274)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccccagtagt cagggtaccc ttttaatttt tgtttgaaat caacttcttc actgtttgga 120

aatcttgcag tttcaatgtg cacactcctt ggactccaga ccctgtctga ttgatactct 180

ctncagggta taattatcag gaaatccacg cagcgggagt tcagatggnc ccttcaggag 240

gcaggaancc tccatancaa cgaaggccag cctnccattg tgatgtgttg acttctcacc 300

tcacctntcc tttaaagtga ggagcagagg gcggcatttc tatctgtact gggctcagaa 360

ggcacagtgg ccatattgac tttacattca actgtgtaat atgtggaaaa gactcagcat 420

gttggt 426

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<211> 154
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (126)..(126)
<223> n is a, c, g, or t

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caggagatat ggtcccctat tcagacanta ggccaggtgt ggctggggnt ntnnttagtg 120

gccntnctta gtggatgtgt tggcaacctt aata 154

<210> 631
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<212> DNA
<213> Mus musculus

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<222> (210)..(210)
<223> n is a, c, g, or t

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ccatagcaaa gaaacatccc agaatcgacc cttctcccat tgatccatgt ctcccgtgtc 120

accatgggca tggcatgtga agcaatgtcc tgcagatgga ttaccacctt ttatttctgc 180

cagctaacat cctcccagcc tcctgcctan tactgtagac tccggtgtga cccaccactg 240

gggagttcac acctagaaag agatggaact aaactctact atcagctgct tcaaaaacct 300

tttgtctacg gcctgggaag atgttctcca gcccctgagc ctattggttg gatagagaga 360

gactgtggtg gaaatgaggg tcttgctggg aggggtccat gactccgggg aagacgcttc 420

tcaacgaggg atgt 434

<210> 632
<211> 166
<212> DNA
<213> Mus musculus

<400> 632
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ggtgaccaat accaaaagag catggggagt ctgcacagtt ctgcttagat aggtaggaag 120

attctcatgt gcaatgcttg cttcctcctc ctcttagcac taaatt 166

<210> 633
<211> 216
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gnnnnnnnng nncccnnnnc ncnnnnnnat gngnccnccn ngaccntaag atacagntga 120

taaatntcag cccttntctt cccctacaat gcttcttgtg aaattgtgta cctgcaagct 180

ttttgacccn tcttactgca ttaactatag ataata   216

<210> 634
<211> 500
<212> DNA
<213> Mus musculus

<400> 634
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gggaatgtgg tctggcatta agaatgatgt cttcttggag aaaataagag ttttaacgct 120

tctagatgtt agttctagat ggagaaagca tcactaaaca tcattttact cttactgatt 180

gttaattgta attgcatgac acactatgaa aagggttggc ttgctagtag agtgtaatgg 240

ggaagggagg attctcatgg ttttcctgtg tgcagtgaaa cttttgtgtt gctcttgctt 300

tggctgtttg tgccgtaggt ggagtgtttg tcattctggg atggggaagg tatccatgta 360

tctgcttact gctttatgag ttcattgtta cacattatct cctaatccta gcatccattt 420

aacaattgac ttaagatttg ctgatattga aatgtaaagc tactgccttt atattttcct 480

gcttttgatt ctattgttgt   500

<210> 635
<211> 535
<212> DNA
<213> Mus musculus

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<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

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caccctcacc cccaccccca cccctacacc aaggcaagag gcagggatga ctccatttca 120

tataaataga tatanatata atataaatat atatatgtaa aacactcatt ttctaacctt 180

tttttaaggc ccnctgcttt attttcaata aactaaacct aatttctaag aggtcccgaa 240

gttgggctca cttcccaggc tgggtgatgg ggagggcagg gaagaggatc cttaaaagtt 300

tacacttcca tgtgtctcac acgcttactg tgagaaagtg gcttgttcag tgttctgaac 360

tttgcgaagg gtatatgttc gcaatgcaca gtgtcattct ctggatgtgc acctggctca 420

ggaaaggact gtctttgtac ttgaacttaa atccaatgga gaaccttaac acgggcattt 480

gcatgactga gatttgctgc tgtctttttt ccatatgtct ctttcttgga tgtgt 535

<210> 636
<211> 323
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaagncanng nnnnnngntg nnnnnnccnn nnnnngcntc tnnttaatct gttntaannn 120

ntgagtagag tgtggntttn agataacacc gattaatgta tcnccnacaa taanngtgag 180

ggtaagagaa aaagcaggga agaaatttcc nngaaaaaaa ccctnccaga ttttcccacg 240

ggagtgtttg ccntccagtg tgactgaacg accttgccca tggcttnntc cagacagcgc 300

agctgcagta tggctggaca gaa 323

<210> 637
<211> 317
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (281)..(282)
<223> n is a, c, g, or t

<400> 637
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tccctagacc attctgggga aaatagtctc atgagattgc ctgctccaga ctaagactcc 120

agatctgctc cccgcatcct tcaaggctcc tcctacctcc acttcagttg tagagttaag 180

tgggagtctg ggctcagcgt tccagaccac ctcccttcca cgctctgggg attcctggca 240

tgcaccaaga attctttccc cctacttttc tcagtcagct nntgttctag acttgttcca 300

gaatccctca atgctca 317

<210> 638
<211> 97
<212> DNA
<213> Mus musculus

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<222> (46)..(46)
<223> n is a, c, g, or t

<220>
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<222> (69)..(69)
<223> n is a, c, g, or t

<400> 638
cctttctcca tatgacttca actggcacag gaagcatcca tgtggnatgg actgatttga 60

actggactnt tctcagtgta ggcacttagc acccttt 97

<210> 639
<211> 132
<212> DNA
<213> Mus musculus

<400> 639
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attgctattt ctaaatacca ctttccttcc ctaccagtga aattgctagc attgaactgt 120

attatgtgtt tt 132

<210> 640
<211> 433

<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 640
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caggaactag cttttattga gtaatatnat tncagttcat ttatnctgca gcaatatatt 120

tgtaggtata ctatgtaagg gctttaaata aaagaggtcc attaatattc cttataaaaa 180

attctagcct ttcattattg cccagatgtt ttagaagtaa atatttatga aganggtatt 240

tttgnantnt ccttttntnt gatagatttt cacagatatt naacattant tcagnatcca 300

cggatcatgg tctaatcaca tttatnagac catgatataa nccttttagc ataatgncca 360

aataagacaa ttagaatcca tacctgagtt ttgagcaatg ttattntcaa aaagctgcta 420

tccaatgatg ttg 433

<210> 641
<211> 44
<212> DNA
<213> Mus musculus

<400> 641
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<210> 642
<211> 512
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcttccaaga tgttctttta attccccccc ctttttttat tgggggcagt ggagttggtc 120

agggaagttt aaaaaaaaaa taatgtcacc atttgctttt ttaaatcatg tttggtgtgt 180

ttctgttggt ttttgttttt tggtttgttt gtntgtttgt ttnntngttt ttaaaatgag 240

actccgtagt ttttctgaga gataggnaga gatgctangc nanaaacnct ncaaagttca 300

tgatcaacat tgatttattc cacatttatt tccatttgtc atttttttat tttaatgtgt 360

tttatgagtt tctataaatg ttctgatttt ctgctaatag ccaggtgaaa tttaatatag 420

tttgttatct tcaactgttg catttggata ttttactttg aaagcattaa ggtaatgttt 480

catatatagc aacttaggaa gtaatctgac cc 512

<210> 643
<211> 60
<212> DNA
<213> Mus musculus

<400> 643
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<210> 644
<211> 70
<212> DNA
<213> Mus musculus

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<222> (31)..(31)
<223> n is a, c, g, or t

<400> 644
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tttatttatt 70

<210> 645
<211> 150
<212> DNA
<213> Mus musculus

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<222> (28)..(28)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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attttntcag tgtataaacc taggtagtat tgtgcactga tttgaccatt gtgaattcct 120

ccttcagtgt aagtgcattc ccaataaaat 150

<210> 646
<211> 424
<212> DNA
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<222> (374)..(374)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggttaagagt ccacacacat ccattttaaa cacaattcac tcaaacaaag ttgcttataa 120

tttaaattcc atgccactta caatttttc tttgcatggg tgtttaaata gttctgttat 180

ggaattgttc ctgcatagtt ctgagctgtc cttttataag aagtgatgtt ccagtgtctt 240

cacaatgtag tgattatcan ccttacaacg accttgtanc ctttctgaac acacacatca 300

tnntcantnc nnnccaangg ctagaaaata caaagcacna gcaggattca ttncatccgt 360

tttcacatct ttcnaacatc aggacttcta aaaatntntg ggatacatgc ggtagtaaaa 420

ttca 424

<210> 647
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taattttgaa gctctctgta taaacattaa ttttttcata tgaccagcag aaatataaaa 120

tagttgtcca tattttcaca tntgtggtat aatttatgaa attagagagt aactnatctg 180

cntcttaata gaaatggcaa gttttgatat gagtatatag tatataaaga caaatagtgc 240

taagtgtaaa tatttggtct gtatttcacc tttggcatca gtattaacac caactgtcaa 300

gctagtgatg ttttttatga tgcccctgag tatgatgcaa gagacagtca tttattttaa 360

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tgctcagatc agcagatggc cagagggaca gtctcttcag acattaggga acgctccagc 180

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aggggcttag ccagccaaag ggcagggata ggaggctttg tctgctgcct gctggctacc 120

atcttgagtg tgacttacac cagggtgcag acaaagtgag cttgacctgg aagcctagag 180

gcccaagagg cccgggtgaa gcaagtatct ctgagatcaa gcctaccctt cagctcagag 240

agtggacccc tgcctaggct cccacacatg atcctaggtc ccagatatnc cacccctgga 300

gcccgtttca aggcccatct tccagaatgt ttaaacctgt gtatgtaacc agtaaaatgg 360

gagtttgtac tgtgtattga atntntcttn ttattggcct ctgtgggctg ctgggggaga 420

cctggagagt tgtttattct agtntccccc acccccctggg antctttgct tttgcccagt 480

tttctttntc tgttgtggat aagattttgt agagttgtgt gttgtatgct tgtgtttgac 540

c 541

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aaccaatcat attgtgaatc attttgaagt tcattantag cgatattgat anaattgtgn 180

acttntntta atgtttttt ttaattaacc nantattatt ttaaacctga gattctcaca 240

ttcaccagtt ggtgagtttt gaagaaaaac taaatttcat ttcaactgac aaatgtatat 300

ggtttgagtt cagtgtggaa gaattttaat acaatattaa attacttgaa ctgaatagtt 360

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aaaatgagag ctactaaatg ttatctttct gataaaacat ttaatcatta ctccttgaaa 120

tgtatgaacc ttgtgatatg ctaagggtta aaaaataagt gtcgctgaca taaagaattt 180

tgcttgagat tgccaacatt caaaattctg taaaagtact tttacatcca cttatttgtg 240

tttactaatg ttgactagga acagaagcaa aaatatctaa aacaaacttt tttatttcta 300

cactctaacc gatatatttn aacnacctaa gataatncga ttaaccatat atacatcccg 360

agcttataac aataagnatt tgagataagc ttttaaattt atggaagatt ttctttgtnt 420

ctttggaagt tcacttacca taaggtattt tgtagtgtac tttaagtaac agattttgtt 480

atacagggta agccaaaggc tgtacaagaa ttagtgccat tggntctgat atttgtgttg 540

gaccatgaa 549

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<212> DNA
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acaccataaa tatgtacagt aactatacca atcaaaagaa taaaacagct tttagaattt 120

ttaaatgaat atattttaga aagaccaaaa cttatcggaa tgccattttt gtgaaggatc 180

tttttagggg cggtctgggt ctcacacggc ctttgtttgc ctgcactcta aagaagtatc 240

ctaggccctg tcttcacccc tccagactcc ggggggggtg cactttaaag tcatcttcgt 300

cattttgtgt ttgttgtgag cantttctc tggctggcta gacgtacagc gactccgtgt 360

cat 363

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<212> DNA
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agcgggtgcg tgagtactgt ctcaaggtgc tggagaaaca gcagggcaac ttcaaggcca 120

cctatcgtgc cggcattgcc ttctaccact tgggtgatta tgcacgtgcg ctgcgctacc 180

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aagctgtgtg ccctctccat tggctcttag agaaaacata acctcaacta agtcccaccc 120

taagaaatct ctttgacaac tgtgtgatgg cacacaaaat gcttcatctc tgagnccaga 180

gnanccnatn ntgnnncntc acagnctgct gacagtgcan gtattgantn tacaggntct 240

tggagaagnt nctnctcctc agaacatgga caaaggatnc nacaggtgta aatatagtaa 300

caggacaaag aancnnanac atcnaaccag gtatcntctt ncacntgctt ttctgttttc 360

aagtgctaaa tncaaacact ntgtattaat tagttgtgta tncaaagatn cttgttncca 420

aatggtgttt ntgaataatn tcaacatttc cccagcacca ctacattaac taaagacaga 480

aaaaataaaa taaaaacaaa tgtggcaacc tatgctacca aatataaa 528

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taaatcggca actatgacca actccatttt ctgtaggtca ccgtgtttca gtcttatagc 120

taacttcatg gtcaaaaaca acaactgaaa acatcaacac agacaggtct tataacatat 180

ctatatgtgt atatgtgtat atagagatcc atgcaaacac acatgcatat gtatgcattc 240

atatgtcaga aacaaaagga ataaacaaag ggttatttcc ttcatatgac ttttttttt 300

ttnaaatttn ccanccaaca gtcaccattc tgaaataaat aatacagggt actgnacatc 360

tctctcanca aatcnatncc tacagttcct aagnacattg cacagtttga ctctacnata 420

gtactgtacc tcagaatatg agatgttaac tagtntctgc attgcttgtc aaatatccat 480

ttgttctttt aaaggacaca gataacacta tccattgg 518

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ccagaatatg gaaacagaac naaaacaaca accctagtac cttctttttt ttttttttt 180

ttnnagaaac agtaaaataa attatttttg aggactgtat ggtatatagt gatgtgctac 240

aactttctag gctgatttta gtgcccctat taacancccc tccccaggac atggaaataa 300

ccattgttta cagagctgag cattggtgac aggntctgac aggntcagtn tactaaaaga 360

aaacaaaaca aaacaaaaaa aacaaaaaca aaaaaataat acagtggcaa tattaggtaa 420

ccttttttcct atgaagtctt ttgtaggttc ttgttgtaac taatataggg tgagtttcta 480

cgttgtata 489

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gagttcctca tcacactggc cttcctcttc ctctgcgcca cgcagtacta ccagcgcttc 120

gataggctca actggccttg tctggacttc ctccggtgtc tcagcgccat cgtcatcttc 180

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tttggcatca tcctggtctc cgtctttgcc tatgatgcat 280

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ggggttcggc agctcctggg gatgccctca cagcccccna antggttgct gttgccttct 120

ggggtcctcg gctgtgattc tgaggagagt gtccaaggaa caggaaggac tctgcctaga 180

ngcctncctn accgccccag aggcttctgg gcctcagctt ggctgtc 227

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atgtntatca ttattgncgn ggtcggacct gccatgtttg aggcaatgga agagctggat 120

ngtgatgatg tacgtgtatc ctccagggga cgctatgcag agcgggacat cgttcagttt 180

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gccaaggatg tactagctga gattcctgaa c 271

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ggctcccctc ccccacactt canagtggct gggagggtaa ggaggagggg tgcccacttt 180

cctctcctgc agccccacca ctggctcctc gggngtgtgg ggtaaagatg gcagcctccc 240

atgtgcccga tcacccccct actnctgggn cactccagga gagggtggag gatccagacc 300

tctggctnnc ctccnnnnng ggagtcattg gnatgtancc cccntcaccc tttcctnttc 360

accccagntc ttggatttca ggtccctcca ccccccattc tgantntccn tccttcccct 420

ccccaaccag ggtttcccat gcagggtctg gaagtgtgtg tgacacccac tgagctgtta 480

ttggaagtca 490

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attcacctac atcatggcta ag 142

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cctggttgga cactacatca tctttccccc atccatccac atccatggta aagccacgac 120

aaagcttgca ctacttgtgt ttggtgtgga atatagatga cgtctttgcc tatctacagc 180

tctgttgtac ttctgcggct ctgatgttcc taggaactgc ttggtttgtt gatttnttca 240

nctacctgtt ttttagactt agaaatttna tctaaaactg aagtgatctn caattgaagt 300

ctctttgttt cacttacctc tacttgaata tgttactaca caaatangcn naagcatttc 360

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atttttgttn gagtatgctt ctttttttat ccatgtaatg tgttnccttt aaaaacanaa 180

atgatgacta aaataatgtg tgaggtggtt catccctaag aantcaacgg aaggtcactt 240

cantcgtacc cttctagtgc ttctaatgac tgaa 274

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cnaagcgagg ctctcancca ggagacccag tctgcaggtt gaccgtcctc cgtgcagata 120

ggattggcaa gccnacntgt gtgagtgngg caccttagac ctcannngng nnngggngga 180

gccatgatcc tgtgtgctgc ccacccccac acctatgggc ttgaatttga ccagatgagc 240

ggtggaccag gagatcgctg cttgtgggga ccgacttgtt ctgttactca ccaggctggg 300

aaga 304

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<212> DNA
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aatggaagta gtggggaggg tggcctctgc cactgtcccc tttcaggctc cagagctccg 120

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ctgccatcca tcctcagatg agccacctgt acccttctga cagtgcagtg tgaagtctta 180

gaagctgatn ccctagaaag atcctagttg ccntttgttg catatattta ctgcctgctt 240

gagtgtttct ctgtgtgggt tctntctgtg tctcgtagaa atgttggggt gttttcttct 300

gccataaggg ctcgtggccc gcganccaac tcctttagct gtattcttcc ttcatttttt 360

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g 421

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ttggctttag aaatcaccac ggggctaaga atacatttcc tacatagctg cttcattgtg 180

cttaaaggaa gcaaagaagt cacgtgctaa attttaaagt ctcagaaaaa catgggtttt 240

gttttctacc ccctagactt ttcagggttt tctcttctta gctttgtcgg agtatggggt 300

aggacagggt ctctagggat gcatgggtcc ctctgcttgg tggaggctgc ccaggtgcat 360

ngntcttcta agcagtgagg aagcctaggt gtatcccagt tcactatggg agccccagtg 420

tagccctgtc ccctccggac atgctgcttc taattgtgtt cacagcaacc atcttcactg 480

atcaaccctg tgccacgtgg t 501

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tactgcacct caccaccaac tccctcatgg acagacagat ccctgatgtc tgtcactata 180

gacacacgtg ttgtacatgt ggcccttaac acttgacact cttaacacta ctcatggggc 240

tgggntagag gnaggcttgt ggtttggggg gttnttattt ttnnctttct tttcttcctt 300

tctttttct tttnntcttt tttnntaatt tcatantagn atnngggnnn cngnagggag 360

gaggggaggg taagtggggn caagtggggn caaggggaca tatcattgtg acaacttttt 420

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atctacacag gaaggtattt catcactggg ctgaatataa atctgattct ggtttagttt 180

ttccttattt gataacattt tggaagcaga cgtgatggct tcacatcaat actnatcaat 240

gtcaccagcc cnatggtncn attggtgcag tntcagaatn ctnagtggag aataagaact 300

nacttanctt taattgagag acantncatt attcgggttn cttnacccat ttgaggaagg 360

atatttcact gagacttgtg ntctcacagg attncntgct acagagagga taacgacagt 420

gatggcatca acagaagaag tgatttttga actcgagtat atcc 464

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tatgttgagg ggcaatattt taaaactttt gtcaagaaaa tgtgttagaa cacaggaacc 180

taagcaatga taccatncna tatttcctga aattancatn nntnntntcg gtngnagann 240

ngnnnntngn angaaaanaa acaanatcat cctcnnaact gctaagantc atnttctttn 300

aaatgtaatt tagtttggaa ttatgactgt antctgttgn atagtattta ccatggtatt 360

tcatacccgt ggtattttat actttgggac tatcgatttt agtattatta gatgtttgtg 420

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attggctaac acagagctca gttttaggca gtaaaatcta gttcaatatc catgtaacaa 180

tgcatcagta tanttgcngt atagatgngt ctgtgtgcat ataagtgata agtgctcaac 240

aaagagtggt gacagcnctc tcaaggtttt ttttttaatt cattttctat naactngtta 300

tggaaagacc aaaatnatta tgnactattn ttatgtaaat tnacaattnt cctntactnt 360

acattttgtn tacagntata gtaccttatt ntntnctgtg tnaagtgggt ntcatactcc 420

aaggagacaa acactttcta caacttctat tgaagattct gggatttcca atttttcatg 480

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cagagtgttg tgaaacct 558

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<211> 73
<212> DNA
<213> Mus musculus

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ccctatgatc atc 73

<210> 673
<211> 478
<212> DNA
<213> Mus musculus

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gtctgggata gagtaggacc acccaaggga cttagcagtc cccagggaaa tggcaaatca 120

tggagagacc tcaaggcagg tcatccagag gaaccatagt agctaccttg atactctgtg 180

actctgttag tcccaattcc gtctctctcg ctgcttccca ccagagattg taggcctagc 240

ctcctctgca catttgggtg agcatgtgac caggtatggc caatgaaatt gaagtggaag 300

tctataggag ctactagaaa agcccatgcc ttttctgaga gccttgcttt gtttcttcct 360

tcttgattga ggatgcaatg cctggaccat tagcaaccat gttttaccta aagaaaaggc 420

caaaagatcc ataaacccta tgatcatctg accaagcaag tgccaacagc tctccatc 478

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<212> DNA
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atagatgcat acaaatatag atgcatactg tactaaaata aaaagntcgt tcctggtatg 180

ccaataaagc gtttttatg 199

<210> 675
<211> 56
<212> DNA
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<400> 675
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gactgtgtag aaacaaagtg ttctttggca tccaaactga gagagagagg caggtggcag 180

cccttcttga gatatgaggt ggccatctta tcagatcttt gccctggagc tcatgaaaag 240

cctttctgtt gtgttatttg cagtgcagat gatgtccttg tggcaactta atggttcttc 300

actttttttt ccttcaattt taatttttt ttttttngc tgtgttatca aaaacttgaa 360

tactgtgaga agtgaatttt cagttgatga atcagcatct tgttcccatg gtgataacac 420

taattgaata tatctatgag ggcatgtatt agttattgga aaacaataca acactaacaa 480

tacatagctg caatgttgta caatggctga ttta 514

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cgcagatgat ccaaatgcaa acgggctcct gcgagcctcc tttcctccca gtgtgctgcc 120

tagggacagc aacaactgct ttgcccaagc agcactggaa ccctggattg ttagacatgg 180

gggcttattt ggatactgcc ctattgccaa atgacttgct ggttactggt tcggctgctc 240

atgtacaaat gtgtgaataa tattgtgccc accagagggg gagattttta tatatagcaa 300

tttgttttat aaattaaaga aagtgaagga tgtattgaaa tgtgactact gggggggggg 360

tgggaaacac cctaaagttt gcaaatggct ctgggcnaag aaagcgtgtg ttntcagaca 420

ctggtgactt catgattgta actcggt 447

<210> 678
<211> 417
<212> DNA
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<223> n is a, c, g, or t

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tacatacaac cttgaaactt tataaagccc atttttatga ctttctgcag gtgaataggg 120

atcatgccct tttataattc acagtgtgcc acaaagatca caaacactga gggatactaa 180

agctcttctt tgttttggca gttactgtca ggccagtttc tgtggatttg aatcctccac 240

tattacccat tagagtgttt tagacatttg gggnnggggga tatcaaatac tgccctttga 300

aacttcccag aaaggtaaag ctcacaactc catgtttatt tctatggctt gagttaccct 360

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<210> 679
<211> 495
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (251)..(251)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 679
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aaaaataaaa cattcttcaa agacttctca cttnataaaa ggtcccctga ctactttgca 180

atgagaagnc tatgcctttc tctttttctc cccacgcctt cctttcccct ctgagacagg 240

gnttctctgt ntancctgg ttatcctgga gctcactctn tagaccaggc agggctcaca 300

ctcagagatc cacctgcctc tgcctccaaa nttctgggat taatggtgtg catcaccatg 360

cccagcnaan nctcngcttc ttgagtgtgt aacgtgacat tgaagcttgg gaaggaggat 420

tttaaagtnc agtgcagggg acccagggac tacactgtac aggctgcttg gttaatagtt 480

cagttgtaca aaaca 495

<210> 680
<211> 491
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaaacgcccc aggaagcccc aggcccttcc tngcgtgatt gacgatntga gttttatctc 120

tcacacctac aaggtggaag aggagaactg gntccccaca gttntcccct gaccctcacc 180

cctaaccccc aatcacaaag aaaggtaata aaaatataaa ttccaaggat taggaaaagt 240

ggaatgtttt tgcccctcaa agtccacccc ctaganagca atgccctctg gacttgatcc 300

tgagcctaat aaacctgtgt ncactccttt aggtcccagc actttcttcc tatgggtggt 360

ccagacaaaa gtatntcctc ctgtaggacg ctagagggcg ctntaggaca gcntcggatc 420

ctgtntctgg caacccctg caancccacg gggcttcctg ggtgggagga agagggttca 480

ggcacttccc a 491

<210> 681
<211> 529
<212> DNA
<213> Mus musculus

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<222> (462)..(462)
<223> n is a, c, g, or t

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acactctcta aaaccacaac tcaaaagaaa ggtcaggagg tgcagacaaa tcgcacacct 120

cagacacagt gggcaaggaa ggaaaagggt gttccctgtg gctcatgctg gcaggatgag 180

gatgcttggg attctgaggg agtttgcatg atcttgtcac caaacgatcc ttttcaaaat 240

acaagtgagg agatgtggag gcgtgcagca gagcagatga ggaggggggc ggcagtggcc 300

agccttccct cctcggcaag atgtaaggga cacggccatt tgctatgcta aagaaacagc 360

ccttcaccgg aaggttctca ccacatcctc ccccttacct tcactacatc cctttcagag 420

agccaggcca ccaccagggc ccctggcccg cccacttaca tntgccaaag tgaaatgttg 480

catgccggcg tggaagacaa aaccaaaccg cacaaatccc agtgtgtat 529

<210> 682
<211> 528

<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (314)..(314)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgtgttttg ttttgttttc atgaaactgt gatttttcaa cttatgaatg ctataatgtc 120

ccagtgcggg aagctaactc tgtgtgaata tcaacttgta taaaacaaac caactgacct 180

atacacaaac atttttcata ggcactgtat aaagagaana tgtatgttta ttgactcaaa 240

tcagtttttc agagaggaaa ctttactgag atgaagaagc gggtaaattg ntttnttnat 300

ttanaanaaa ananaaactt gcannttntn naaaaantgt tnnattgctt caaatttctn 360

ctattaactt caanctatgg gagtttgncg gtagtcaatt gaggattttt ttccatttnt 420

tttctttttg ttgttaaagc tgtacttcag tgaacagaaa aattnccaan caaactaatg 480

nccgtaaaag tgtaaattgc atgtgtgggc ataattaccg aacctcat 528

<210> 683
<211> 479
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (432)..(432)
<223> n is a, c, g, or t

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tgtttgccta accaaccaag ggcaattccc gtccatccat cacacgggat gtgagaagga 120

tgcagccatg gtctgcagcc tctctcatga agggttatct ggccatggta cttggctgct 180

tcataacttg ctgtcactcc tgatgagata agtgtgtctt tnaaaatagt ccccgtntca 240

ggtcactggg gtgtnatgta cnacnatcct nanccatcca ttttttnctt ttnttttttt 300

ttnccctgag agactcccna tggcatctat agaggactaa agaagaganc cgttccctca 360

ctgagtcaga ctgttcacag ttcattatgt attttatgat ggcttgtttg gganccgata 420

ctttcagcan tntcaactgt gttgtgggat ctcctgatgc tggtttctga gcttttgtt 479

<210> 684
<211> 324
<212> DNA
<213> Mus musculus

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<222> (299)..(299)
<223> n is a, c, g, or t

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gtcacataga gtcccacttt cactctgtga cctcacacta ccaatccatg gccttgtgtc 120

tcagcagtga gtaaactagc ccacttcctc atttatttt gtgggtctca actgcagcat 180

tttagaagca aactttgatc tgacactcag gagaataaac acaaatagag ggcagaatgt 240

atttggaaaa gtttatgata aatttactta tattatttaa agatcattta ggatcatana 300

tctacgtacc tccatgatat tttt 324

<210> 685
<211> 478
<212> DNA
<213> Mus musculus

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<222> (316)..(316)
<223> n is a, c, g, or t

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<222> (405)..(405)
<223> n is a, c, g, or t

<400> 685
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gttacttttg gaatgaactc tgacttcatg tcagtgtgaa ctttccatca cagtaacatt 120

gactctttgg gcaaagaact gccctggtgg agtaaatttc ccaggacact ggtgagtgta 180

ccttggactg attacctctt ctactgcatt gaaaggtgcc atgttttcct gaatgactaa 240

atccccctca ccttgtaagt gacctcccag agtggctcat gcaccatagc tctcctaggg 300

acggcccaca aacatntcat tcgtgactca tttttctact tcccaagtca gtagatgtgt 360

tcaaggtaag tacaggattg ttctcgtagg aataggcggt tgctntcctg attggtattc 420

ccgtcgattt catttcattg taaagattaa acttaaaccc ggttttgctt aagcacat 478

<210> 686
<211> 397
<212> DNA
<213> Mus musculus

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<222> (291)..(291)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 686
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agtgcaaaat tagaccgttt ctttccatga taataatggt taccaagttg gatgtccttg 120

gcttttgtga actgaatgag tcccagttgg cctccatttc aaagtcttta acagagatat 180

cctatgtagt ttcccctggg tttcctttct ctaaagagga gggttgaggc ctgttggctg 240

cctgggtaat gtcaccttac gcagagttcc caaaggttgg taggagggaa ntccttcgtt 300

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ttgttcaanc ctttatcaca tggatggatt cttacct 397

<210> 687
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<212> DNA
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<223> n is a, c, g, or t

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<222> (128)..(128)
<223> n is a, c, g, or t

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<222> (309)..(309)
<223> n is a, c, g, or t

<220>
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<222> (351)..(351)
<223> n is a, c, g, or t

<400> 687
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acagaggcaa ggggatctcc gtgaattcga ggccagcctc atntacagag tgagttccag 120

gacagccnag ggttgtagag acaccgtcta aaaacaaaat aaaacaacca aaactgttag 180

acctgctgca gcttgagcca cccaggaggg acttccaacc taaggagaag gttggtgggc 240

atgggggggt gtatcctaca cagaagccat atacactggc cagatgtcac atggcacttt 300

ccatttccnt ccccacttca gggctggctc ctccccctca cgctccaggg ntggctccta 360

ccccttcaga ctcctccccc ttccctctgc tttgtgaagc tggttggttt ttatttctga 420

ttaaaaaaaa aacttttcc cgtgtgccac gcccactctc ccagtgttac tattgtgtgg 480

aatgaggtca caggagagtg actcctccat aataaaag 518

<210> 688
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (135)..(136)
<223> n is a, c, g, or t

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<222> (138)..(140)
<223> n is a, c, g, or t

<220>
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<222> (142)..(144)

<223> n is a, c, g, or t

<220>
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<222> (325)..(325)
<223> n is a, c, g, or t

<400> 688
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cagttaacgt agacatttgc cagtgaccca aaccacaagg cgttattgcc taatcccaca 120

tcaccaggca gagcnntnnn cnnnttttte tgtagctccg ggttttgttt aagggcatcg 180

gacaatgcac aaagaaagac tctacattgt gccagggttc tttgggctcc tttctgggga 240

tggcactgtg gaactcttct tgagataata tttaatgctt tcttatcgtg attgtgatgt 300

ttagttgaaa actactgctg catancaagt cttgtgactc ctcctgtgtc cacagaagct 360

cttgtctgag tttaaagcta taaagtgtat tcacattgtg aaattattat tattattatt 420

aattattatt attattgaaa ttcattgtgt acaaatggta tgtgctctgt taggtattta 480

gtttgtgtgt gaattctgta tggaaagtgg ttttgttctc tgagttt 527

<210> 689
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

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aaatatcctc aaacccttte acctggtgat gcacagaggg gaaaatgtct tgctattctt 120

aatggagata ctgcatttta actcaatttg gttaatttta gtattaaaac catggaaatg 180

gtgaaatcca agtgggatca ttttggcagt aattttgaga ccctgtccat ctggatattg 240

gagaaagaga atgaactcag ttccttggaa gcgtcagcat ctgccgcgga tgtgcagatc 300

agccaaatca aggtgacctg cacccacgtt atgttactct ctcttccttt aagaacatct 360

ttcttagatt tgtatcaccc aaagctctct gatcccagga cagatcttcc gttcttctgt 420

ggctctttta agttaaattc atgccaagct tagagctc 458

<210> 690

<211> 466
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (276)..(276)
<223> n is a, c, g, or t

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<222> (425)..(425)
<223> n is a, c, g, or t

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<222> (430)..(430)
<223> n is a, c, g, or t

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agtctaatca ctgttcgttt ttttcttttc ttttctttcc tttgtgggaa catttcacct 120

gctgagtgta tatgaatttg ctttctaaaa aaaggctttt atgggtttac agtagggcca 180

gtggaaggga gagttaataa gggctgtttt tacaaaacaa acaaaactaa taattttaaa 240

aagacacttc acattccttc ctgttctcna actacnactt gggaagtnca cttcgggtag 300

ntntnctgtg tggctgagag atgaaggaaa cccatagaca aggacctcct agtgaacaaa 360

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<210> 691
<211> 528
<212> DNA
<213> Mus musculus

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<222> (335)..(335)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (376)..(376)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<222> (410)..(410)
<223> n is a, c, g, or t

<220>
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<222> (468)..(468)
<223> n is a, c, g, or t

<220>
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<222> (502)..(502)
<223> n is a, c, g, or t

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caataggact cctgcatgcc agggggacag cagtatcctc acacctgtta atgagttcaa 120

gtgtggtgtt cgctctcgct agctgagact ataccttgcc agggagtctg gagtgtgcct 180

cttgaacctg tatatgtggt cccaggcttt gggaaatcag ggcattaaag aaaacaagag 240

aggaggagga gggaaaaaga aggagggaga aggaggagga gggaggggag aggaggaaga 300

aaagataaaa aagctctgtt cagagcccca ggtancctca gagncctagg gtccttaagt 360

ttctttagag ggaacncaac ctnccttggc accagatacc tccaacttan cccccggttt 420

cagagcccac atagctctga gctcagggct tcactggacc actgatgncc gttcttgttt 480

aaatgcagct cctccacccc ancccactgt tcgctcttgt agtagtta 528

<210> 692
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<212> DNA
<213> Mus musculus

<400> 692
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cctttcccct gcctccagtc agagcacaca aggtcttgag gaagtgtccc caggaactac 120

cttctactgg gcccttggag cccagtggct tgaagtagtg gctcctttgt tttggagccc 180

tctgatgggg ttcagtgagg atttctgaac agaggcaacg ttgaacagag ttcatgatca 240

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cacaggacaa caaatcccag gctttagggc caaaggct 338

<210> 693
<211> 569
<212> DNA
<213> Mus musculus

<400> 693
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gaaaccccaa ctacaaggtc ctaaggactg ggaggaagga ccctgttgcc aggctctcag 120

ggcatctcaa acctgactcc caggcaccag gagaccccaa acaggaagtc ccatctttgg 180

aacaaggata gaggactcta atactcttag tccatggatc atctaatctc tcaacctcca 240

aattccatgg gccccagctt caagggaacc cccaagtccc aaatctctga ttactaatat 300

gtgcagggcc ccagggctct aacaggaccc caagtcatgg agtccctact tcaatctacc 360

ttccggtcac aggtccaaga cactaaatct gagtcattgg ccccaaagga cttcacagct 420

cctgggccag accaacagcc tgcgggagaa cctgagggcc ccataggtcc agagcagacc 480

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agcatgactc ctgtcctctt caataaaga 569

<210> 694
<211> 455
<212> DNA
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<223> n is a, c, g, or t

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<222> (344)..(344)
<223> n is a, c, g, or t

<220>
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<222> (397)..(397)
<223> n is a, c, g, or t

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ccaaaggaaa cactggtctg tgaagtctgc ttatttactg agaactgtgt atcaactttt 120

aaacacttcc catntgtgca gataaaaggg gaatagggct ttctgtagaa ttctatctgt 180

ctagtttgta aagtgtcatg tgtactgcag atgtctgttc tctgggcttt atgttctgta 240

cagtagattt cattaagaaa aattgtggac aaacttgttt ctgtggtttg antgggggag 300

aatggcgatg tgtatttaaa tagctatcct gtgagataga aatntcccca aagatctgga 360

agtaaccctc cctggccctc ggaaaactct ggctatntcc taggttctaa aatgaagatg 420

tatggatact ctggcagact gcatgttgta taatt 455

<210> 695
<211> 327
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttagggctag gatacaaact tcccgattta tttgggtacc tattcttact gagtttcctt 120

gataacaatc tgttcctgat acccagtgat aaacagttgg aatatgcata actaaaaaga 180

agagtgagaa ttttaaanga ccagtaaaat ggtctaaaag gagaatttga ttctgggaag 240

gaagaaaaga cctggtttga ttaagtttat caactcaaag gtctgctcac cttcctgttg 300

aagaatcaag tcagtctgag aggctgt 327

<210> 696
<211> 156
<212> DNA
<213> Mus musculus

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<222> (53)..(53)
<223> n is a, c, g, or t

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ttcctacaat gaagaaaaaa acatttgttt gttttctaag aatgtttatt tgtaaacata 120

tgtattcact atattaatat gaatttctta cctggc 156

<210> 697
<211> 484
<212> DNA
<213> Mus musculus

<400> 697
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cactttcgac cgctaccgta gccagtcctc agccaaggag aaacccagcc cccccggggg 120

acgccctggc ttgtcccagc acaggaggca tcaaagctgg agcaccttca aatctatgac 180

actgggctca ctgcccccca agccccgaga acggctggcc ctgcaccgga cagcagcctg 240

ggagcccaca gaaccgccag acggcgactt ccagacagag gtgtgagtgc cacgccggac 300

tgcccactgc acagaaatat atatctattt tcacactcca ctttggaact accaggagcc 360

agcgcccctc cccctcccga ggctgggcag gaggcgcaga ggactcagcc tggctggggg 420

cagccagact ggcagggcct ggggggccag ggcccctcct tgttctcaga ggtcccttag 480

ccac 484

<210> 698
<211> 467
<212> DNA
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<223> n is a, c, g, or t

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<222> (98)..(98)
<223> n is a, c, g, or t

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<222> (103)..(103)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (127)..(127)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (230)..(230)
<223> n is a, c, g, or t

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<222> (247)..(247)
<223> n is a, c, g, or t

<220>
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<222> (270)..(270)
<223> n is a, c, g, or t

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<222> (285)..(285)
<223> n is a, c, g, or t

<220>
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<222> (291)..(292)
<223> n is a, c, g, or t

<220>
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<222> (331)..(332)
<223> n is a, c, g, or t

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catgtaaagt gccattgtga ggaangtgtg ggtgtncnaa aangtatntg tcaagntnan 120

agtnctntnn attnaaaaaa aaaaacttna tangattatc naanggtncn gttaatanat 180

ntgttggaca atgggtgtac ccattttcac aattattntc aaancaantn tatgttcaga 240

tgctttnaaa ttttatcaca tgatacaagn atataacttt gtcanccttt nnaagttcct 300

tttcttttac tttcttattt tttttccttc nnaaatcaat gaagacttga tttctgtcaa 360

tcattgtatt gagggtgaat atactacctg aattttgtgc atgttacatt gtagttgtaa 420

ccttttctaa ttcaggatga atacaagatg gttgtgattg tgcagtg 467

<210> 699
<211> 363
<212> DNA
<213> Mus musculus

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<222> (95)..(95)
<223> n is a, c, g, or t

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<222> (214)..(214)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (240)..(240)
<223> n is a, c, g, or t

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<222> (317)..(317)
<223> n is a, c, g, or t

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<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

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gtttcccaga cagcaggctg tgggaaagtg tcccntgcag tggcgtatca gtcctttgct 120

ttgagcaggt cagtggagca tcaggggccg gatatggctc ccggtatatt gtgggtcaca 180

gactcaaatc cctctgagtc ctccaagtct tgtntntgtg agnacctgag attaacaagn 240

taggggaggc tggtgagagg gcagaggttg agagtgcttg gcttgcatct ttaagaggac 300

ccaggactca caccaanggg nctcacnact ccagctccag ggacacacac atcatttaaa 360

aca 363

<210> 700
<211> 505
<212> DNA
<213> Mus musculus

<400> 700
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gcacagcacg gctttatccc gtctgcactc agcgcaaatg ccagtacttc acgtgcttgg 120

cttcctgccc ccagcagccc taacaacacc agaaagcgtt cctggtacct cctaaaggag 180

tggcctctag ggagatcttc cttccccttt ggccatcatg gaggtctgcg gaccaccctg 240

tccatccctg tctgtctgct ttggttttcc ctccccactg ctccctctca ctttttaact 300

ggcctcagag caaagctcaa cgttctctct ggctggtgat caaaggggcc ccgtgtgcct 360

gcctggctct tcacttcaga gatgggggca tgtttgtgtt gggcggccga tgactctctg 420

taaggaaagg aaggcctgca cgtgacttgc ggggtctcta cctcgttgct gacattctga 480

ggacattttc tagtcactgt gctac 505

<210> 701
<211> 327
<212> DNA
<213> Mus musculus

<400> 701
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gatgggacca agtaggggca ttaagtccct cactccccac accaattcct gggtccatgc 120

acagcttttt cagtatagcc caaggaagcc acaagacatc cttgggtgtg gtatggttct 180

tccattccat acccttttctt ctgtgttagc ctgcaggatc ccttaagtac ccttattcca 240

ataggccagg gtgggggggtg ggggcgtgtc aagttgggaa ttttacacaa ggactttgct 300

gccccccttct ggctgttaga ggaaaag 327

<210> 702
<211> 515
<212> DNA
<213> Mus musculus

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<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

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<222> (419)..(419)
<223> n is a, c, g, or t

<220>
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<222> (434)..(434)
<223> n is a, c, g, or t

<400> 702
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tcgatgctgg attacaaccc cagggagcgg gccctgtata cctggaacaa cgggcaccag 120

gtgctgtaca acgtcaccct gttccacgtc atcagcactg ccggggaccc ctaggtgccc 180

ctgcaagggc tttggggagc cttcccacat cgcctgtgac ccccacccca gccttctctt 240

ggtcatgccc ttgccttcct agatnccgtc tccccacttc cccagcccag ctttctgttc 300

tcagtatctc tacccatgca tttcccccat tttattgatc tctgcttttg atactccact 360

tctgagtctt tctgcctttt tatggatgct tctcttcctt atngatcgaa cctctcttnt 420

cctctccctc catntactct ccctcctctt cctttcccac tttcccacat tccttacccc 480

tcactcccac cctatccctg gatctgagtg catgg 515

<210> 703
<211> 561
<212> DNA
<213> Mus musculus

<220>
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<222> (163)..(163)
<223> n is a, c, g, or t

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tagtgagagt ggaggtttaa aattggacaa tggatgtccc ataccttaa tcccagccct 120

cgggagacag aggcaggtgg ttatctgtga gttcaaggct agnctgctct gtagagtgag 180

ttccaggata gccagggctt gtcttgacac aaaataaaac tgagcaatcc agcctagtgt 240

gatggtacac acctgtaaac ttggcactta aaagacagaa gcaggaagat ctggagttga 300

aggctagcct gggctacata aactctgtca cacatacaca cacaaaactt gtataatgct 360

gtagtgatgt gtttgcttta tcaaaatgct caaagctttt aaaagtgctg acctattaga 420

cttgcaattc catttaaatg ttcaggagaa tttaattgaa tttgtaatcg gtgtttaagt 480

gatttgactt gtaaaatttg ttgtaaaaat tgttgatttg ttggctatgt gcttttgtgt 540

tccattttgc ttaagtaggt t 561

<210> 704
<211> 558
<212> DNA
<213> Mus musculus

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<222> (167)..(167)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcccctgggg agttcctgat gaattccccg cctccccccc agctccctgt gttttcatct 120

tgttcttgct gttgtctgga tcaggagggc ggggagggtg gactccntga gacaagacaa 180

gcaggtagag acagattaga gggagggatt gtcatagtaa cattttccga ggtgacagag 240

atgatacaca ggcagctgga cttctgtgaa ggacagagga gctggcagac ccacagggcc 300

acacctctga gggaccggtg aatggctggc taccagagac agtgctggta gacagtcagg 360

tacctcatgg gatgggccaa gagatctggg atcctgggaa ctatgtagag aagaggattt 420

gacacccccc acccacccac ccaaggccct tcccctctgc tgacagcatt gttgtggtcg 480

tggcctgctg ccttntcttc tgtccctggg tggggcacac ccttctgtgc tgtgcttgcc 540

atgagcatca ataaacca 558

<210> 705
<211> 318
<212> DNA
<213> Mus musculus

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<222> (46)..(46)
<223> n is a, c, g, or t

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<222> (51)..(51)
<223> n is a, c, g, or t

<220>
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<222> (253)..(253)
<223> n is a, c, g, or t

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gattggacct ggacctggcc aaggcctttt gtgtgtgtcg ctgctgccgg gcaacgtgca 120

ttgctgggaa gccgaagccg ctggaggagc gggtgggggg gcggggggag gggaaaggca 180

aatgcagata tatattaaaa acaaataatc gaggtaccag agctgcgtct gtggcaccag 240

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ttctctgccc atgggctc 318

<210> 706
<211> 456
<212> DNA
<213> Mus musculus

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<222> (96)..(96)
<223> n is a, c, g, or t

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acccgatccc ccttcgtgcc cccacccccc accttntacc cctttctcac gggcgtgggt 120

gccacccaag acaccctgcc tccgcccgcc gcgcgccgcc cgtcctcggg gggcccgtgt 180

caggccgagc gcgacgacag cgactgcgag gagcccgtgg aagcctcggg cttcgcctcc 240

ggggaggtct ttgactccag cctccccccc acggacgacg aggactttta cactactttc 300

cccttggtca cggaccgcac caccctcctg tcgccccgca agccccgacc caacctcagg 360

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ctgcccgcgg gcaaaatgaa ccaccgagac ccactg 456

<210> 707
<211> 121
<212> DNA
<213> Mus musculus

<400> 707
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cgggaaaatg ctatgaccat acagagctac cggtaagcca cattacaatc aagccaaaag 120

a 121

<210> 708
<211> 404
<212> DNA
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<222> (68)..(68)
<223> n is a, c, g, or t

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<222> (106)..(106)
<223> n is a, c, g, or t

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cccaattntg aaaagctaac ctaggatgga tgcacattat cagttntgcc agtccttccc 120

atttaaaaaa aaaaaaaaaa aagaatctct ccatctctcc ctcttgccta agatgggctg 180

tgactacccc cctctccctg gtcctgatat agtactgatg gaagacaccg actgtggaag 240

aacaagttga ggtttgcaat gacatgagtc actgtatttg attttaggtt gattttattt 300

cacccctttt tacggcatag aattctggtg ccttgctccc tggatttgtc tccgtgctct 360

gagtaggctc tccacattct ggcttacacg ggaacacaac tatt 404

<210> 709
<211> 340
<212> DNA
<213> Mus musculus

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gtatttatta tatttttgc agatgtttcc atacaattca cataaccttt ttgtaaagag 120

agatgaagaa atggattaaa gatttttaat atttgaaatg gtaaatagaa ctaatttatt 180

tgtaatatat ttctgttatt tatagatgtt cccttaatgt ttttctgtga agtactgctt 240

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atattttaaa taactggaat gtaaatcatc agcatatctg 340

<210> 710
<211> 326
<212> DNA
<213> Mus musculus

<220>
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<222> (148)..(148)
<223> n is a, c, g, or t

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caggcaatcc cggggccagc ccaggcgggt gtgtggtttg tgcgagtccc cttatatccc 120

cacttcctcc aggggcctcg tccccatnta gtttctctag cgacttccca gtcccagacg 180

ggaaaggctg ttctatttaa tcgtgtgaag tgtctgtctc ccagccttgg ggcccccgga 240

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cccctcacgg aggaaatagt tttgct 326

<210> 711
<211> 533
<212> DNA
<213> Mus musculus

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<222> (83)..(83)
<223> n is a, c, g, or t

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<222> (117)..(117)
<223> n is a, c, g, or t

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<222> (224)..(224)
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<222> (229)..(229)
<223> n is a, c, g, or t

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<222> (251)..(251)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (308)..(308)
<223> n is a, c, g, or t

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<222> (338)..(338)

<223> n is a, c, g, or t

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<222> (352)..(352)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (440)..(440)
<223> n is a, c, g, or t

<220>
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<222> (442)..(442)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (507)..(508)
<223> n is a, c, g, or t

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ctccctgggt gccagcaccc tgntaccatg tgcaccgggt ggcactggag agccatnaga 120

agtcatgaga tactgtatgt gtaagcacat gtacatgagt gtgtgtgtgt gtgtgtgtgt 180

gtgtgtatgt atgtatgtat gtgtgagtnt gtgtgtgtgt ntgngcgtnt gtgncacgag 240

tctcattcag nctctggggt caaantcaat tcctctcaag tgtggtaccc tagagantgg 300

tggccatnta cattttctcc ctctagcttc tatgtctngt ttttgctttc cntnccccctc 360

ctcctcccct ctctctcctt ctctctgtga ggggggagag tgctgtacaa agtcaaacaa 420

acaagtttac attgtaagtn cnatgacccg agtcctccac atgaccttgt gaattgtgtg 480

ccgtcctcct gtgntctgtg agaactnngt ggtacttcag tgtccctccc ctg 533

<210> 712
<211> 565
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (538)..(538)
<223> n is a, c, g, or t

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ggtccaaaga agttaatccc agnccatagg aatggcttgg tgcagttgga acgggtgaca 120

aattaagaga actttttcc tacatatgtc ttaagaatag acagccttgc tgtgcctcct 180

gctgatgtct tcctttattg aagcttgctg atgcgattgt acatagcctt tctatacagg 240

tagagatata ttatatatat acatataaaa catctcacta tgcccacccc aaaagttaca 300

ctgtggggtg gagggtgaaa tcacctctca gtgtttccaa gtaccaaagg ttcattatgg 360

aatgttcttt atgcttttta ggggagaacc cagctgcata catagcaagt gcttatgcag 420

gtntaggtac tacttcctnt ctgttggttg ggaggggaga gaagcttaaa tgntcttctg 480

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ttggctgcaa taaacacact gtctc 565

<210> 713
<211> 378
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (259)..(259)
<223> n is a, c, g, or t

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<222> (277)..(277)
<223> n is a, c, g, or t

<220>
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<222> (312)..(312)
<223> n is a, c, g, or t

<400> 713
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tcagccctgg agaggaaaaa ggtagaggat tagagcagag cacctcacag attccacctt 120

actcttccaa cttcccgact gtcagaaacg gtggtcacct gcacggccct tctggaagta 180

gaaccctgat aacatgcaga acctctgagc ccaaagtggg ggctggtcga ggagactnaa 240

ctaccagaat gnccttggnc aatatggaac taccctnagc atccacctgt ggggactggt 300

taaatattta tncacgtcca cagcagagaa tgctatgcag cctgtgtaaa aatcaaggcc 360

tatatgcact gatgaaga 378

<210> 714
<211> 306
<212> DNA
<213> Mus musculus

<220>
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<222> (64)..(64)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

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aagnannnan naaaagncca gaaggaagaa gaagagaagg ggtatatngt atattctcat 120

caggtggtgc acactctgat gaaatcaaac aaaaggctat agaggattga agagggagan 180

ccaacttncc ccntcctttc atggcgctgt agctcaaaga ctggantctg cttgttaacc 240

attgttaact agtattttta ntcccagttg cttttancct ctgtatagtt cctttttaa 300

acacat 306

<210> 715
<211> 451
<212> DNA
<213> Mus musculus

<400> 715
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agctgagtta tcagtcgcct gtgacacgcc cattctctgt cctggtcccg cccccaacca 120

tggtggatcc tggaggacct cgtacccctc ccctccccca catatgcatc tctcccttcc 180

gacatggtgt tccctgtgtc tccatgctgc ccacattcct aagcacatga gttggtctaa 240

tctttttttc cattggttac ctttaactct ccatggcagg ctcactttaa tccctcacat 300

catgtccttc ccttcttgtg agttatttgt cattaaccga cattgtcagc gacagacgtg 360

tatctgaggg tgtcatgcac gaccttcagc agggacttct gggccatgga ggactgtcta 420

atacatggac ttataaactg gctgcatgag c 451

<210> 716
<211> 333
<212> DNA
<213> Mus musculus

<220>
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<222> (70)..(70)
<223> n is a, c, g, or t

<220>
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<222> (99)..(99)
<223> n is a, c, g, or t

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<222> (151)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<400> 716
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cattgtgctn tggcctactc tacaattgtt ggcagcgcng gatgcccaag ctcaaacacg 120

tgtcgcacgg tgaggagctg cgcttcgtgg nagaacggct gccacgacaa tcccacgctg 180

gacgtggcca gcgacagcca gtcggagatg caggagaagc agcccagcct gaacggtggg 240

gccatcaacg gcccgagcag ntggagcgcg ctcatgggca gcaaacgcga ccctgaggac 300

tcggacgtgt tcgaggagga cactcacctg tga 333

<210> 717
<211> 196
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<400> 717
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tggccaaatc acttcacctc cctgancctc agtttcctca tctntcaaat gggggtttat 120

aaacacctac ctcgcagggt tgttgtgagg atttaatgag gtaatgtata taaggcgtct 180

tgcacagtgc ctggca 196

<210> 718
<211> 444
<212> DNA
<213> Mus musculus

<220>
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<222> (86)..(86)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

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tcctggtctc attttcagaa cccagntggg agtcactcag aatatcactg tacatgaaag 120

tgcctactat caatggggtg agcagacagg gaacagaccc gtggcctgca taatatcacc 180

taggggagga agatggtcgc tgatttcact ctcagtgtgc aagcctggag aatccatcag 240

tttcananct ttataaaggc tgancccCac tnncaaaaag gagnccgtgt gtattgagca 300

aatntccaga gacaagtggg tatntgaatg gtgnccCctc ccccaccaag ggaagaggag 360

cccaaggtga ccctaagcag acctgctttn tcccttcact aatcttcaag taacactgca 420

tttgctccat aatgccctta attg 444

<210> 719
<211> 469
<212> DNA
<213> Mus musculus

<400> 719
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tgccctgccc cctcgcccgc cctggaagag tgactgcagc ttccccacac gccttacccc 120

cactgatgca tcgacatgct ggagcagtct ggctccacaa agtaccaata cagtttttg 180

agactgccta caaaatacta ttttgttaaa actatgcctt taaatagaca ccgatgggtt 240

atatttgttt tataaaaagt tgtgtaccta atgttcaatc gtgattgatt ttgagattat 300

atataaatgt atatttataa gcctgtctta tgtggatttt tactctaaga agtgtggcac 360

attactaata aagatatgag tttctattta tgtaaagtca ttgtagcaac actcctaact 420

gctatctgag tgatgatcct gttcattggc caccatacat acttttatc 469

<210> 720
<211> 435
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

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tttaagacag cctaaattct cttagaagta gttagtttta tattattgta gtgttattgg 120

aatgtgatcc tgaaatatat tactgaaaat taaaattttt attttgttaa ttgcaatctt 180

ggctctcaga aatgcagtat aatattgata tatagctgct atcatctttc tgagagttca 240

gaacatatgg cagctgtttg tgaagctatt ttttactgac aaattttgat aagtttggct 300

actgtaatgg aaagtaggct ttcttaagca ctgactacat ttggattctt gtaaagtttg 360

gataatacat tctcaggtgc tgctggactt tgtgcacttt ggaggtactg catgtatctt 420

ccactgtttg agatg 435

<210> 721
<211> 446
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
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<222> (77)..(77)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (119)..(119)
<223> n is a, c, g, or t

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<222> (166)..(166)
<223> n is a, c, g, or t

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<222> (225)..(225)
<223> n is a, c, g, or t

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<222> (235)..(235)
<223> n is a, c, g, or t

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<222> (285)..(285)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

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atgattgtta taagcanctg caagntttac aacagtaaga ctggaaaaga aaaggctgnt 120

cataaaaatg tgtgtgcaca aattataaaa agaaggcaat tgtttngtga ttgtatatga 180

taattttaag aataaaaatt gtgaaattta tgctgtccct gcttnaaata tttgnaaaat 240

ttgaactgtg tatttatgtt tgtattgggg aagactcctc ctctntgaca tcatacagct 300

tctaaaagtt aacagtntcc caaagtatgg gatgctttgg aagtgaagga ctggataatt 360

tttggaccag tatgncagta tgtagtccag tggcaactgt gtattaattn ttctatttca 420

ggttctgtat tgcatgtttt cttatt 446

<210> 722
<211> 533
<212> DNA
<213> Mus musculus

<220>
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<222> (304)..(304)
<223> n is a, c, g, or t

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<222> (359)..(359)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)

<223> n is a, c, g, or t

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<222> (401)..(401)
<223> n is a, c, g, or t

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<222> (406)..(406)
<223> n is a, c, g, or t

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<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<400> 722
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gcacgtgcac atgcctgcac actaccacac atgcacacat accacactgt ccacacacag 120

acgcattggt gttcacacgc acccacaaac aattagtgtg tatcacagcc ctgagtgctg 180

ggtttctctg cagatgtggg tgagtctgtg acttgcttca cagagcatag ccttcccgat 240

aaccgcctca gagaacaggg cataggtaag ttcctagagc attggaggcg aggcggcagc 300

attntgcagc ctgtggtggg cagtgccatc tagaggcaga cacactcagt atctgagtna 360

ggaggntagc aggcagagcn tgatattcat aagntcctnt ntgatntccc ttaaagcanc 420

attntgtacc catccctcag gtgggtagcc aaggaccacc aggctgtttc agctcctttc 480

actaacggac ttttttacct gcttgtgtag ctgatgtgtg cagaacccac cat 533

<210> 723
<211> 523
<212> DNA
<213> Mus musculus

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<222> (429)..(429)
<223> n is a, c, g, or t

<400> 723
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caagtcaagg gaaagagaac agtagacatg cctctcatca ttctcttggt gtctcttttt 120

cttcttcagg ccaatgagaa gccgaaaatt aaaccccacc tccatcaaac acagttttta 180

tagattctga ctttttaaa aattcttttc taattattgt aaaaagtata ttatatctta 240

agtcagtttc cgtggcatct actgaataaa aattcagcag atctcctttc taggtgcaac 300

tgttcagtga attccctcac taaaagctta agcaattgtc agtcagaatt ctgtttgctg 360

agtgctggtg caggctttat gctttccacg tgaattaaat caaatgtgaa gttgatccag 420

agagagccna ggtgactggg gagccattga gtagggaatt gtattggatg atggttttca 480

tttttgttac tgaaaacaaa gtcttgtcta gcaccgtgag aat 523

<210> 724
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
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<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgatcgtatt gccatcattt cttagttgtt agtacatgtg agtagtactc tattatgtaa 120

attgattgca aacttatcaa agagaaatta ttctatgtag ctttacaaca gtgctttgct 180

aaaccatgta ctagtagtta antcttcctt gagaaaaata aagatacant cttataaaga 240

acagttcctn ctgactccca ggaatttttt tttaagatga cactgaatgt tgatgcacct 300

tagtgcagtg aagtggcaat aaaacccaaa ctgantcaag attgctcatg gcagctgcat 360

gtctcgcttt ccagagttta ncaaaacctt ttaatctcat gtctcactgt attctatt 418

<210> 725
<211> 106
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
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<222> (78)..(78)
<223> n is a, c, g, or t

<400> 725
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tagatatcca atacatcntt ctcagtttcc attccatgaa aaattt 106

<210> 726
<211> 433
<212> DNA
<213> Mus musculus

<400> 726
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cttcttcaat gcactgttta ggagtcacgt acgaagcagc cataagttgg tgacatggtc 120

tctatgacat acctctaaga tgaaagatag actattcctg aggctaaaac tacagtctag 180

aagtattaat ctgatgtgca ccctcaggac gacaaaccat tgaagctgat tctgaagttc 240

tgttttcttt cttggctttg ccaattgctt cctccttgag ttaaggacac gtctcatctc 300

atcacccctg cacttgccct gccctaaccg tttactatgt tgggttgagg atactgaaag 360

ttacgaatgg agaacctaag gatgcgcata gttttcatct atgcaatttt acttggttct 420

gtcacttcat gat 433

<210> 727
<211> 466
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<220>
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<222> (189)..(189)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (254)..(254)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (315)..(315)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (412)..(412)
<223> n is a, c, g, or t

<400> 727
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atttttctaa tcactaaaat gtgtgatata atttattttt ccaaattatc aaggtatatc 180

agaantccna tgcttngtag ttatctgata catgncanaa atggaacttt ctaattcgta 240

cgacttttat accnatnatc tagtagttnc agnaatattg agactcataa tttttaaatt 300

tataaatata ttncnattcc tattntcttt tacaatgaag atgacacatt gagagttgat 360

aaagcgatca tggagctcag aatttttcgt gtttgtttga atcccagagg ancaatttat 420

aaacactata tatttattta ctctattctc agaacagttg actgtt 466

<210> 728
<211> 570
<212> DNA
<213> Mus musculus

<400> 728
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acgtgtcggc cgtggacccc gtggctgcgg gagggcccgg tggcgggggc ccaggggtg 120

ggggcggtgc agggggcgcg ggcggataca cctacttcac cacggtgacc gtggagacgc 180

tggagacgca gccgggggag gaggcccagc agccccgagg tactgagaag gagcccccgg 240

ggcccacgac tgatggcgcg tggggcggcg gccggcctga tgctgcagcc ccggcctcgg 300

cgtccaccac ggcaccggcc ccgcgctcct cgcggcccac ggagaaggct ttcacggtgc 360

ccatcacgga cgtgacggag aatgcgctta aggacctaga cgatgtcatg aagaccacca 420

aaatcatcat cggctgcttc gtggccatca ccttcatggc cgccgtgatg ctggtggcct 480

tctacaagct gcgcaagcag caccagctgc acaagcacca cgggcccacg cgcactgtgg 540

agatcatcaa cgtggaggac gagctgcccg 570

<210> 729
<211> 68
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

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tacaagca 68

<210> 730
<211> 572
<212> DNA
<213> Mus musculus

<400> 730
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gattagtagt catgcaggtg agcctgagcc tcccccgaaa gcacagttct ggcagcaaat 120

tgcacacctg tgagagaaca acagagtact agaagcacac gaaggctcag ggccagcaac 180

agccaggggc cagcaatggt tgaggaccag caaaggccag tggtcaacct tggcattggc 240

agaggaccaa cctttgatgg actgatcttg agtatgtgac aggaggctga tctcctctac 300

tcagcctgct ctgcttgcct gtgtggagta ggtggagatg agattaacaa tggcaattag 360

atgtgatttt gcgaactgca ttctcactaa ataccatact ttgtagttcc tgtaacccct 420

ctcttcccca caaagacaga agaaacagca atgtgctcga gagtacccct ccctttcctc 480

acagatcatt gagaggtgaa gcaagcacac tcattttcag gggcttcccc agatgtgtgg 540

agtgagggga tatggtgact gtgcccttca aa 572

<210> 731
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<400> 731

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tttgcactac ggaattgcat gccttgaaat tccttactgt gtgcacctta gtttgaattt 180

gacgttatgt agcatgcaca aaagaatgga tgggcttggg cttgttccca agtcacctct 240

accgctcatt gggagcacag tgntgccctc agccaatccc aggttccgtg gagcccgtgt 300

ggctccagca cttactgtgc agtggctccc tttcccaccg tgctcccttt cccaccgtgc 360

ccacttaagc tgatggctca ctaatttgca caaatggaat tgttatgatc acgtcttagc 420

agtatcttga tttaaagtaa gcccaaagcc cacttctgga gttcctta 468

<210> 732
<211> 386
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
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<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(278)
<223> n is a, c, g, or t

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<222> (280)..(281)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (285)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(292)
<223> n is a, c, g, or t

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ctatgcactc gccctgccct acctacccaa cagaggacaa gatggtcggc ccctagctcc 120

cttctcccca acctagcctc tccccacacc ccgctgtgca gctgtgtgcg ttggtgtgtt 180

tctgtgtcgc tggcgtgtca tgtgatgtag ccatgtttgc tgacatgagc ccctgccctt 240

ctctttttct ccattggttt ctagaactnt nttnnnnncn ncccnncccn nnaggggaca 300

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cttatttctc tctattggtg accaag 386

<210> 733
<211> 553
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (528)..(528)
<223> n is a, c, g, or t

<400> 733
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atatatatat tacatatatg aaatgtgtga ttatttngga gaaaatgggc ccaaatgtga 120

aaaagatgta aagaaaacnt tataacccct tggaaatatg atgtatattt caaagatgtt 180

aagtttaaag agaagtgaca attgcagagg cacaagaaaa aatctaccag ggctcagcac 240

tcaagcactt tccccacatc cagggtcaaa gcagtagcga ttcctacacg gacttttaag 300

cgcagcatga aatgcagcat tacacgaaca cacagtactg tcaaacctca aatgctttct 360

ttctttagat gctttccctt gtacatgatc ctcgtagaca tgtttttata ttcgctgata 420

gtgaaagtca cgcgcaataa aatgtaacgg ttggaagcag tagtcacgaa tcggttaaag 480

acaagtacaa aatgttaaca gttgttatct ttctcctcct cgcttttntc cgtggttccg 540

atgtgttgac tga 553

<210> 734
<211> 83

<212> DNA
<213> Mus musculus

<400> 734
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tactaccaaa tgattaggac agc 83

<210> 735
<211> 438
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

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<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

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cttccttccc ctaaagccac atgcagctct ccactgtgag ccagagggga gggggcaaca 120

tctccnaaac acctcctgtg ctaggcttgg ttgtgntcta aaagccctcg cagagctctg 180

cccaaccctn tgatgcctcc cagccagcat ctctcaggag cctggaacgt gacaggagat 240

cctcatctaa ctccatttct gcatcaatca atcaatgatg caaacagctc acaggagagc 300

ccagtcccct tgagctctgg tccccccccc ccactgcagc ccagtggaat ggcagccagt 360

gtttaaccag tccttgcctc tgggtctgcc agatgctggg gtgtaaatct tactgctaga 420

ctgatgtcac cacacaga 438

<210> 736
<211> 339
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

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tttcccctgt taacatttct accgtgaagt aggaggattt gggaatgctt tgtaaagatg 120

atagtcgact ntntaatgtc catgaaggag gttgtacatt gcctgatgtc tttctgtaaa 180

tgagaaatat tgctaacatc cgagcattct gaagtcttgc ttatcttccc gagtttcctt 240

tcatttggtt ttcntgtttc tttggggact tggggcaagc tatttattag agttttgcaa 300

ccgagttctt gtttgaagtc tctgaagact acttgtaaa 339

<210> 737
<211> 297
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<400> 737
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cagccacccc acctgccatc tccacctgga cacaacttgc tcaaaggctg gtgacttgtg 120

ggccattcat ctacaantcc tgaaggaaca agaggcccaa gcctngggga tgcaagaatg 180

gcccatttta aaaacgttgt tantcccagc cgacgttttt ggtgatattc cagtttagtt 240

tcccaattga aaacaagcca aacagacact cagactggtc atgtagatgt tgctagc 297

<210> 738
<211> 341
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<400> 738
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gtaacaaaga tggtgtttca ccgagtcacc acctttcaca gacttggaga ttctgcacta 120

ccatgtgcct ggcacattta gacaataaga gatgaccaag tctgctattg agtagacaac 180

tgtttccctc gaaacagact ggcacttgct ggactccacc tctgctcctn agagtctcag 240

ccctgaagcc acattctgcc tatttgtccc cagacagacg actagagaca ggtggtgcat 300

ccacccagag tgcaaagagg gcaatttatt tctggctttt g 341

<210> 739
<211> 546
<212> DNA
<213> Mus musculus

<400> 739
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tcccagagga gcaagggaca gctggccttt cttgcctctg aggcaggttc tcactatata 120

gccccaattg cactggatct cacggtgtag accaggttgg ccttggacat gcagaggtcc 180

atctccttct gcctcctgag tactggaact gaagggttgt gctgcacgag gccactctgg 240

aaaacctatg catccaaaga gtacccgatc ttgaacttct ctggaggatg agacccccgc 300

ctccccactg aataactcag ccggacagcc cctggtggcc ttccacaagc agtgactgag 360

acggaaggaa aaggaaaagg ctgagatggg gggggggct ccttgccagt gaacgatggg 420

attctgagtg ttggggtggg gccagaggag gagaaggaga gttgctggtc tgatcaaagg 480

agaggaggtg ttaggatgat ctgggatcgg aagaattcct gagtgtgctg cagagtcgcc 540

caggca 546

<210> 740
<211> 161
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

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<222> (74)..(75)
<223> n is a, c, g, or t

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<222> (122)..(122)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<400> 740
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gtgtccacaa ctgnntagtg tcccctgggt gaccggcatg tcatgagaca gtgtgatcaa 120

cnttttcttn ccccnctgtg cacgtctagg tgacccttcc a 161

<210> 741
<211> 523
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (498)..(498)
<223> n is a, c, g, or t

<400> 741
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catagaagaa tagaggttat gcacagagat aagcttttgg acagatttta aatcagaata 120

tatgtaaagt aaaagataca tttaatgtgt atatatatgc atatatatac atatatatgt 180

atatatatat tatatggaat gttgctttct taggaaaagt acacccatgt aaagacacac 240

attcagaagt tgtactcatt gtcactgttg ttccaacttg attataagta cacctgtcac 300

ttccaggacc aaaaatttcc caagcacaaa gccttatttt cttttaaaaa taaataaata 360

aataaagagg cttcaacnaa atggatcata ggctcttttg aagggaagtg cctggagttt 420

acggtgagat gtttactcaa ccatagtnca ctgagggtcc acaggaagtn ccatttctgg 480

aaaccacaat tgcccatntc tctgaggatt tcatgatagc aat 523

<210> 742
<211> 457
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (58)..(59)
<223> n is a, c, g, or t

<400> 742
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gagagagaga gagagagaga gagagagaga gagagagaga gaggagagag agagatgctg 120

ttgacgaaaa gtaaagattc aacagcccaa agagttccct gcccctgcag tgttggccag 180

ggaggcccca ggctgaagtg gtcaggagcc agatttgtca gcccctcttc ccacagtccc 240

ccaacaggga gggggaagct gtccatttgc ccaaagtatt aatgcaactg aagctgtgat 300

atttccaatg actgtaggag gaaaatttaa ggggagagag gaacacaaac aaaaccaacc 360

aacccctaaa atcattttct tattgtacat aacgacctca ttctcctgta tatgcggaag 420

atataacctt atatttggta agtgtttctt gtgctat 457

<210> 743
<211> 551
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

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taaggttggg tgaagagcan accgttaggc tttccccgac tctttggggc cttagtccnt 120

gagactgcca gacaatcaag caggtacccc accaggaggc cagctctgga cctctgccat 180

tatcacagcc ctggggaggc ttggcctgga acccccaagt ctttactcag ccctggcaag 240

gaactcaggc agggacctga ggtggctcaa gagggcacag ctggccccta ggccctgact 300

ccctgcacag ccaggctgca acctgccccc atgcacacta ggcagagggg tggacaggaa 360

cttatggttt tagttttgtt tctaaagtgg tgcctgtacc tccagccccc agggggcctt 420

ccctggcccc acttttctgc cccacccagg cattgccatc ccagcacttt gctccatgtc 480

acccagatgc cctctgccga atgtatctga tcgtatgtat ttaaaaggat tcacgggcat 540

cagaatttct g 551

<210> 744
<211> 407

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<400> 744
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tcaaactatt agtgtgatag tgatgtgttt atttggtaga aatgggtata ctacagcttt 120

aatagcctta gtggaaagag aaacttttg ttgttacaaa acnctttttt tttncataga 180

aaggtgtttt gagcctacaa agagtctctt ggaattgtca gactctagca ttgttaacca 240

aattagagta gtgattgcaa tatttaagtg taaatgttgt tctatgagaa aggaagcttg 300

cttacagttt aaaacacgat gactgtttct acacacgaac ttgtatacca ctacacaagg 360

aaaaggggt tttgtaatcn ctgtagaaca gtctcctatt cattttt 407

<210> 745
<211> 388
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<400> 745

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agtcttctag catcaacttt caggatcctg ctgtttcctg agtggtgtca gttgggacaa 120

atgctacatg gatgaaatca cagagatgag cagatatgct ggtagcccct agttcaggct 180

cttgccttgt ggccacanac ataagcattg aggtacccca agagtcaccc tntcctctnt 240

cccccaagag gctgtgctct gtgcacacac atacaggtcc tgctgctcct gtgtgtgact 300

gtattgtaca tagaaaaaca tacaaaatta tccaatcttg aattccccgc tcacgcactg 360

ctagaatgct tctgttcaag tcactagc 388

<210> 746
<211> 274
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

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<222> (45)..(45)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

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tgaaccagca tgagcatacc atcggttgct tttctctttg ggaatcatta cagttgtgca 120

nccagcacat tctttgtccc tatcatcttt ctctcttcaa ctgctgagcc atgctatttt 180

ccagccattc attganaaat tgtttggggg tgtctcttgc tactcaccaa tactcaancn 240

aaaattacat ctgaccagga cgtatgatgt gtaa 274

<210> 747
<211> 84
<212> DNA
<213> Mus musculus

<400> 747
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gtactgggtc tattttggtt ttag 84

<210> 748
<211> 511
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(61)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<400> 748
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ntccagggcc accagagggg tgncctcccc tccaccttca tcaaggcgag aanctggcac 120

tgtatgcaat ttagtacttn agangtaaaa aaataaataa agaaaataaa ataaagaaaa 180

aaaactgcat gcccaatgtt atgcnaaaga gattcgagca tgaaataaat tttgtaanca 240

tggtttctgt ctagtcgaaa gcagatttgt ttttntgaag cgattggagg tttgcagaga 300

cccgcttctg catctcgaat aaatatagta ttttcccaac agaaacagag gacagtagct 360

tggctttggt ctgattctaa aattagtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg 420

tgtgtgtgta aagatgatat ttttgaaaaa cacatgcttg agttgaaaaa aatagcaaca 480

tctcgagctc tcagtgcgac atttcctgga a 511

<210> 749
<211> 417
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<400> 749
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ggtacaggtc actaacttaa gcttattctc aaagcacaga tgcaaatggc tgggattcga 120

gccctagaag ctgggtgtct ntgaagcaca ggtaaagact gttccaatca gtagcttctt 180

gcctcttctt ccagaatgtt ccagtcagat gtcaatcatg catcttaatt tcccactgta 240

cctcatttat attcttttgg ggttttgttt atttattttt tcttcattta gtgttagttg 300

gtgattttct gctattaagt ggtgagacag caggttagtg aaataaaaaa catatcttta 360

tatcaaatgt aaatattaat ataaatgaac ttggcatgca acttaagtga tccaacg 417

<210> 750
<211> 530
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (504)..(504)
<223> n is a, c, g, or t

<400> 750
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taacaaaact attctttcat gatgctcatt gttttattct acagggctac gtggaaggtg 120

ctgatcatgc ttgcttccaa tgattggatt cccaagctga taatataaca gactgtggtg 180

ttacatacac taggattaac ttgtagtacc ccttttgga gaagttattc ttttcattat 240

tttccttct catagattaa ttccnctgtc tatgctaact ttattnagat atgtgcaagn 300

actgaagaat caatctattt aaaatgatgg ctgtgtttgc ctttggagaa caggttcata 360

gtcttatgta aaattcttcc aggagcttat cttttatgaa acagaacaaa atcaaactag 420

aacagaacca agggtgactt gataaaatgg caagatagcc ccagggtaga aagaggtgtt 480

ctcagttgac atgaagagtt gtanctggaa agacaagtac ccacccttct 530

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<223> n is a, c, g, or t

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taagatgtag actagagaac catgtgtgtc tgtcaacccg gcctcattac cgatgtagcg 120

cagcttcccc ggctgctggg cattggacat ccgttcattt aacgcaacag tgcantttna 180

tagtatttac cttaccnacg caataantgc ataattcaat actaacaagt ccagaactat 240

tgtaacttgc tgattacatg acttatgtag aacaccaagc ac 282

<210> 752
<211> 43
<212> DNA
<213> Mus musculus

<400> 752
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<210> 753
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<223> n is a, c, g, or t

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aattggagct attagtaatt actgtaatgt aaacagacca taaacccatt ntgcgttatt 120

tggagtgctt ttgttcttgt tgatagtttg tacaccc 157

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<212> DNA
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<223> n is a, c, g, or t

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gctcagtgtc gtggagccca aatgtaaatt tgcagctatg actcgtgctg caaaacagcc 180

agcctattna gagaggtcac gggagtcagt ctcccttgag gaagtgacat tggagctgag 240

acctgaatac caagtaggaa gaaagaagct aggggaagag agaatggctg gaaggcccct 300

tgaggctgat tacagggatc aagtgccccg agaccagaag attgcattta tcaaaatagg 360

agataagagt tggggcagag tggcaggatg taggaaggtg gagggtttag aagacttcag 420

agataaacat ggacnccttt ttattgggtg agtttggaag gaaggggact aaggtacagt 480

attgtttctc cctcatgccg cagggtgatt gtgg 514

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcacacagat gccttggctc tgacccatct actgagtcag ggtcttcaga ggaagaacca 120

aggaacatgg atttctagca gttgtcttag ctgctaagca tcattatcag gcagccagtg 180

agcatgtggg agagcacctc tatgagagga cacggccgtg gatctgagaa agggtcacat 240

agctctgcca atcgggacac tcacttaacg gaaattgtta ggctntaggt ggaggaaaat 300

tcttacnacc atcctaatag cacgcattag atgggattac aaantccccn tcctgaccca 360

agtacgctgt gntntgagaa anctcgggct tgtccagtca ttccctccat gctgaagctt 420

gcagactagg gagccgccca gccctgagca tgaatcccat cctctgat 468

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtatcaggtt ccttatcaga cctactatac tcaggcttct tcaagtggct caggacctca 120

gggctgtgtt cctgacccgt gctctgcccc ttgttccacc agctactgct gtttggctcc 180

ccggagcttt ggggtgagtc ctctgagacg ctggatccag cggcctcaag gatggaatac 240

aggatcttct agctgctgtg aggattctgg gtgctgcagt tctggaggct gcgggggctg 300

cgggggctgc gggggttgcg gcggctgcaa cagctgctgt ggntctgggt gttgctgttt 360

gggaattatt cccatgagat ccagaggtcc tgcatgctgt gatcatgagg atgattgctg 420

ctgttagaca caaaagaacg gttatgnttc caaaatntcc ntcctgctat ntnnttctgn 480

tnttacccaa accggacaac tgcttcccta gttnttaact ttgntntttt atcaaggcat 540

cctgccagag ttagcgcaa 559

<210> 757
<211> 243
<212> DNA
<213> Mus musculus

<400> 757

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caattaatca acagtccagt aacatgcatg agctatggag gctcatgcca gcgttcatgc 120

aatggaggtt ttcgactggg tggccattgt ggccatccta aaatcagatg ctgccgcaga 180

aaatagataa aaggaccaag aaccagcaat gtgaataagt gccagaattt gcttcttcgt 240

gaa 243

<210> 758
<211> 423
<212> DNA
<213> Mus musculus

<400> 758
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atccagcata tctataagaa atcctctccc aaatgtgatg atgcaatgcg ggtcgttaac 120

aagtatacag gaaaatgtaa ggacttgaat acttttcttc atacaacttt tgctgatgtt 180

gtccgtgtgt gtcacaatcc acccaagact tgcaaagacg ggacaagtcc aaattgtcat 240

gatagttcat ctaaggtatc tgtaactatc tgtaaactca caaaacgggc aaggaattat 300

acccactgca gatacaaaac aacaggagga aagaagtcct acacagttgc ctgtaacccc 360

agaactccaa aggaccgtcc cacctatcca gtagttccgg ttcacttgga tcggctattt 420

tag 423

<210> 759
<211> 416
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tagtcaagtc taggctgagg aagggctgca cctcagaagt tggactcctg aagcatgctg 120

accgtgagca agaatcagaa gaagaagtat gatcttgaag tctttcttga taagccttct 180

ccctttgcgt tgcctttgtt catggctttg tttcttgacc tctggtctca agaacacttg 240

tctgaggctg actccatgct gtttgtactt ccagttttgt taaagtgttg gactttaagt 300

atcttacttt cagctctgan agaaccatga gtgataaatt cactttntac actgtgcatn 360

ccatgtaatt caagaccaat cataattgtt ttccaaagtt tagtttcgtg tccatt 416

<210> 760
<211> 520
<212> DNA
<213> Mus musculus

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<222> (405)..(405)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtgtgcaacg acaccctcca aggtctggtg tcctggggta cctacccttg tggccagccc 120

aacgacccag gcgtctacac tcaagtctgc aagtacaaac ggtgggtgat ggagaccatg 180

aaaacccatc gctaacatgc caggagccga gctgtgagcc tttgaggtta tgatcatgga 240

gtaaggacat cgtggcatcc ctgtaaagtc ctgcctggct ttacctttcc tccaggacat 300

agccaaacct caacactagg ttaagtttat aaaccaatca gaaccccaga gacctaaaag 360

caaatcaagg caagagacta agaaacctga gggctgtgga agatnccaga aggctaaagc 420

tttccaatac aagagccagg gattcctaca ntcctttatt ggaaagtggt tggtaactgt 480

gagaccttca tccactgcct tggactcagg tcatccattt 520

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<212> DNA
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<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

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accaagccag atctctcaag tccaantgtg gtgtttacaa actatgtatc tcatgtcatt 120

gaaacgggtg accggaagac tgcagaagag acgttgttcc actttttttt ttttttaca 180

cagattaatt tgttatgggc gtcacagaga gatcatatgg aaagaggaaa tgtgacaaaa 240

attagcatga atatttctaa atcttccaac ttgtcaaatc tgcatgtgtg ggatntntgc 300

tgtttgtaca gactttcaga aca 323

<210> 762
<211> 292
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tgacccttgt ggtcaaacct ttccacctct agtccgaata ttccctttg gatgtaatta 120

aatttgaaag ctctncaaaa tctctgtaga atctagaggc ctgttgagga caatgttgat 180

gttgttgttg atgatgatga tggtgttggt gaagataaga aagaataaca gtaaaatcct 240

gtcttgtgac ccataggcca ccacgattta cggcacaaat cactgtggga aa 292

<210> 763
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<212> DNA
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<223> n is a, c, g, or t

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agccagtcaa gaacgcacgg attctggtga aaggcatccg ccacgatgtc accacagccc 120

ctgatggtga ctactggaga cttcttcccc cgggttccca tatcgtcatt gctcaggccc 180

ctggctattc caaggtcatg aagagagtca ccattccctt gcgcatgaag aaggccggcc 240

gtgtggactt catcctccat cctctggcga caggacccna gaacttcctt ccnggacctt 300

cnagagcttt ancctcngnt nccaggatcc tcagagagag cccacacaga tggattttga 360

ncccccccagg gctcgtaggc anccagctag tgggancaan ccnatggtgg tgggcttact 420

tcacatca 428

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<212> DNA
<213> Mus musculus

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gatcaggacg attattgagg aggtgacacc tgagggtaga gtcctttcgt ctatgattga 120

atcagaaacc aagaaacact tctattaagc tgcatagaag agtctcttca tacgggccac 180

tggacagacg tgtg 194

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gaagaccact acagtcaaga cctctagccg gagatactag cagcaaggct ttgagagttg 120

ggccttggtc cttgcgctgg tcatggcttc tcaggaccgc agaggctgag tatttgtagt 180

gcacaattta catataattt gcatttggga aagggctcaa atctactcag gtttttctcc 240

ttggttatgc agtggaatgg gagggaagtt aggntcacca nctggttgat ttgggggtga 300

cctgaccatt tagagggggt aggatgtcca nttctacgtt ttcacctcag cagatctgct 360

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ttgtcacctc acggtcaag 439

<210> 766
<211> 99
<212> DNA
<213> Mus musculus

<400> 766
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cataagattg gaacttgtgg atctcctttc aaatgctgc 99

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<223> n is a, c, g, or t

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gtggccagct acaatatggg cagcgacanc ctctactact tccgagacac caaagtcatc 120

gatgcaaaat atcagctggt ggctggcatc aagtactacc tgactttgga catagaaagc 180

acagagtncc gaaagaccag agtntctgga gaacacatgg acctcaccac ctgccntctg 240

gctgcagggg ggcagcagga gaaactgcgt tgcaantttg agntccttga agtcccctgg 300

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cagagtcagg gccccatggg aacaagcat 389

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<222> (336)..(336)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atgtctgggt ctggggaatg agagttgctg acttgggttg atccagcctt atgcaaatct 180

ggaaatgcaa acaactcaag ttctcagttc atcccttctg ctctctgatt ccgagtaccc 240

tgtcagactt tgtctcctaa tttaaagttt aatttacagt tctatcagaa atacttgagc 300

tgtgctgagg gggcaggaag aggaaanttc canccnaatg aagantcacg agagggaatg 360

tnccttttnct tcgcgttccg gagacccctt gacttgcttn cctantccct acaaccnctg 420

agttgataat tctntccggg agagcttctc tgcaggggct gctgggtaat gcttgtgacc 480

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<223> n is a, c, g, or t

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gacctggcca cgaagaacat ggaaagcagc attgactgaa gacctgcaag cctagggtnt 120

cntnttntnt ggttttcccg cagaagtact tagaactntc tgtacntcnt nttcatntcc 180

ctaaagctca tntaccacga ggtnttcagg tnncccagnn tnntgagatg cattggcttt 240

gctttttttn tnctgacaca actaattgag aatgagatat tgaaaaatta gctttgaaaa 300

ntnttttttnn tgggcaataa taaagctttt gattcc 336

<210> 770
<211> 385
<212> DNA
<213> Mus musculus

<220>
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<222> (249)..(249)
<223> n is a, c, g, or t

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<222> (251)..(251)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
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<222> (278)..(278)
<223> n is a, c, g, or t

<220>
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<222> (287)..(288)
<223> n is a, c, g, or t

<220>
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<222> (313)..(313)
<223> n is a, c, g, or t

<220>
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<222> (325)..(325)
<223> n is a, c, g, or t

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<222> (348)..(348)
<223> n is a, c, g, or t

<220>
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<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<400> 770
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gggcatcctg gactgcagga tctctgcatg gtaacaatga aatagtcaaa taaaagtaaa 120

gtccacacaa atcactgaaa attgcacaca agcagctaac atgtgtatgc ttacattctg 180

atggctgaag tgtggccatt acggaggtct cctcagaacc atgaagaata tgttgggaaa 240

acccctttcng ncagtttntn cnaatttgat taagntcngt gactacnntc caggcagaaa 300

actcaactct ganataaagt acctntgggt ttccctatgt gagacatntn caagacttnt 360

gagttacatg aaagacacca gctaa 385

<210> 771
<211> 485
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<400> 771
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tattgttcta aacatttata ttatctttcc agatttncaa ataattctta agcttggtaa 120

ataaaaaatg ttgcaatctt ttcagagaat tctaaaaaga ctataggatc ctataataga 180

tccaatgatc tatagtgtca tatagatcct atagttataa aacattaatg caaattggcc 240

caaatctcat ttaaaaataa atatttccaa aaaagaagta attataagta atgagcttgc 300

aaatcagtgc tgtggantga tnantcttag ttaaaantgt ttacttcgca aaatgaaggc 360

taatttgtgt tgcctattaa ctaactccta ctaggtttag atgactatat gaagactgtt 420

agtncaacta aaactaaaca tgcttattga attaaagaaa tctgtaactt accagttttg 480

tttgc 485

<210> 772
<211> 337
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<400> 772
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gacctacttt ggctctctga ctcaccctcc tcttcatgaa angtgtgacc tgggntgatc 120

tgcaaggata gcatcagtct aagcccagag cagctggccc agctccgtgg tcttctgtca 180

agtgcnagag ggnagagcct gcagttccag ttctgagcaa ccaccgtcca ccccaacccc 240

tgaagggcag aacagtcaga gcctcatttt gagtcccagc aaggaatgag tcctcaatta 300

ggacctggcc ccctctacag cagcatccaa taaaggg 337

<210> 773
<211> 404
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (188)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (379)..(379)
<223> n is a, c, g, or t

<400> 773
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atatctacaa ggaagaaatc agcaaaatat gagaaggctg agataaagga gatgggtgag 120

atccacagag agcttaatgc ctagccgtgc tgagtgctga actgaggagg ggccgcccga 180

ccggaagnng ncnagaagag ncnnngnnnn nnnnnnnnat gtataaacct ggggaagatg 240

aagacctgcg aagggttact gctttgatag ttactttgtt agtttcacat ttgtaacagt 300

gaaatttgta ctcgtaaata caagcagctg gacaccggca ttaccgatcg taaaattaga 360

cgaacgtctt ataggtgcna ggtccagtgt ggtactcaga actt 404

<210> 774
<211> 356
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<400> 774
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gatgggcatg aagtgcacac gctgtggggg agatgacaaa gcgaagaagg cccgaatagc 120

tatgactgga ggcattgttt tcattgtggc aggtcttgct gccttggtag catgttcctg 180

gattggtcat cagattgtca cagactttta taacccccttg acgcccatga acgttaagta 240

cgagtttgga cctgccatct ttatcggctg ggcagggtct gctctggtcc ttctgggagg 300

tgccctgctc tcttgctcct gtccaggcag tgaaagcaaa gctgcgtacc gagcac 356

<210> 775
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<400> 775
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ctggtagaag gggtcactgt gcaggatgga gacctctcct ttcctctgga gtcagtgaaa 120

aaacttaagg gtctccgcga ggtacaggag cccagactgg tgagtcacaa gaagtttgct 180

ccccggcttc ttcagcccgt ggcaccacag ctatgtagta gccactctgc acttccagaa 240

gcactgaggc cggtctgcga gaaacccaac gccgaggaga tcctgcagag gctagaggcc 300

attgctcagg acccaaacac atgtgagatc tgtgcctacg ctgcctgtac gggatgctag 360

agtgacatcg cttgcctttn ctctcagccc atgtggaagc ccctctatnt tntagaagtc 420

acgaggctaa caaactcata ccctcagcat ntattgccct gccacagcgg ggaggaggct 480

gaggagacag ctacctggag aagccttgcc tgag   514

<210> 776
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<400> 776
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tggagactcg agccagccct ggccacactc caggctgtgt caccttgtc ctgaacgacc 120

agagcatggc cttcactgga gatgccctgc tgatccgagg gtgtggacgg acagacttcc 180

aacaaggctg tgctaagact ttgtaccact ctgtgcacga gaagatcttc acacttccag 240

gcaactgtct aatctacccg gctcacgatt accacgggct cacagtttct actgtggagg 300

aggaacggac tctgaaccca cggcttaccc tcagctgtga ggaatttatc aaggtcatgg 360

acaacctgaa cttgcccaag ccacagcaga tagacattgc tgttcctgca aatatgcgct 420

gtggggtcca ganctccacc ctcctgattn gtcccagcca gctgctcaca tccgttatga 480

atg 483

<210> 777
<211> 376
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<400> 777
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tgtctccaag ccaatgtatg gtgccggcaa atgtcagagt ggactgtggc tacccctctg 120

tcacatcgga gcagtgtaac aaccgtggct gctgctttga ctccagtatc ccaaatgtgc 180

cctggtgctt caaacctctg caggagacag aatgcacatt ttgaagctgt ccaggctcca 240

ggaagggagc tctgcaccct ggactcctgc tgctgatggt ggnccaaggg tagcaagcat 300

ccccgatnct gctccctgct gcaggccaat aaaggagcca ggagtcctga agaataaaga 360

cctcacagcc aacaca 376

<210> 778
<211> 475
<212> DNA
<213> Mus musculus

<220>
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<222> (29)..(31)
<223> n is a, c, g, or t

<220>
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<222> (94)..(94)
<223> n is a, c, g, or t

<220>
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<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

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<222> (234)..(234)
<223> n is a, c, g, or t

<220>
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<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

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<222> (300)..(300)
<223> n is a, c, g, or t

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<222> (319)..(319)
<223> n is a, c, g, or t

<220>
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<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

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<222> (445)..(445)
<223> n is a, c, g, or t

<400> 778
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aatataggag aatacatgtt ctatgttggg aatntggtag ccantttcaa agcacccaca 120

aatcttcctg atccagtccg tatctgtgtg aactgggagt ctgnctctgg gattgcagaa 180

ttctggctga atggaaaacc actggggagg aaaggnttga anaagggata cacngtgggg 240

ggtgatgcaa tgatcantnt aggacaagag caggattcct ntgggggaaa ttttgatgcn 300

aaagcaatcc tttgttggng gagatatggg atgtttcctt gtgggaccat gtgntccccc 360

tagaaaaggt atcagacagc tgtaacaatg gcaaccttat aaactggcaa gntnttaatt 420

atgaagacaa tggctatgtg gtgantaagc ccaaactgtg gccttaagct aattg 475

<210> 779
<211> 433
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<400> 779
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cgccattact ggttttagtc ctgtggcaga tgaaaatgtc caattgtacc tgtgagccac 120

agtgtgacaa ttccttttgt ttataatagt aatttgccca ttccttcaga cgcatgccac 180

agacccatgg aaatcttgta gagttttctt ttcttagatg gacagctaag tactccagga 240

gacattagcg tctgggggtt tctctggcac cgtcactcac tcaggatctt atcctgatct 300

taccctcctc cacactcaaa agggagggct aaggccaaag ctgggcttac agctctaacc 360

caganccttt ngcaaagctc cacagactcc tcaaatgaca acaccaggaa catgggtttg 420

ctacgtgaag tcc 433

<210> 780
<211> 572
<212> DNA
<213> Mus musculus

<220>
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<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
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<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
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<222> (375)..(376)
<223> n is a, c, g, or t

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<222> (406)..(406)
<223> n is a, c, g, or t

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<222> (414)..(414)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (428)..(428)
<223> n is a, c, g, or t

<220>
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<222> (468)..(468)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (506)..(506)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (508)..(508)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (518)..(518)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (520)..(521)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (523)..(523)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (546)..(546)
<223> n is a, c, g, or t

<400> 780
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gtcccggaga cccagccggc tgacggtgaa gtatgaccgg ggtcatctgc agcgctggct 120

ggagatggag cagtgggtag atgctcaggt ccaggaactc ttccagggtc aagaagaatc 180

ttctgagcca gagattgatc tggaagctct catggacttg tcaacagaag atcaaaggac 240

acagctggag gccattctcc aagactgccc aggcaacaga gagcctttta tctctgagct 300

actcagtcaa ntcaagagac ttcggagant cagcaggcct tngaaataat nctggaggga 360

ccatntcctg aagcnntcag cactgccagg atccacattc ctgacnctgg atantggctn 420

gaaaantntt ggatatggac aagggctgca gaagacaaag agagacantt gtatagccca 480

cacttgcata tgcagccaca gctggntntc agttgggntn ntntgggagt cagctgtagt 540

tttgtntaat gcttttcctt agcagccaag at 572

<210> 781
<211> 516
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (423)..(424)
<223> n is a, c, g, or t

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ccttctccaa aaagctagaa ctgagctcca ggaggctgac tttctacagc atgaagccta 120

cactgtgttt ccttttcatc ctcgtctccc ttttcccact gatagtccca gggaacgcgc 180

aatgctcctt tgagtctttg gtggatcaaa ggatcaagga agctctcagt cgtcaagagc 240

ctaagacgat ctcctgcact agtgtcacgt cttctggcag actggcctcc tgtcctgctg 300

ggatggttgt cactggatgt gcttgtggct atggctgtgg atcgtgggat atccggaatg 360

gaaatacttg ccactgccag tgctcagtca tggactgggc ctctgcccgc tgctgccgaa 420

tgnnttaaga atgaggaggt tgagaaacca atttcaaaat gatgagcata atgaaaccac 480

ggtctcgacc aggaaacctg actcattgtc ttcata 516

<210> 782
<211> 322
<212> DNA
<213> Mus musculus

<400> 782
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atcttcagcg ccatctgttc tgcggtgggc atcatgctct tcatcacaga catcagtatc 120

tcatcaggat acatctaccc tagctactac ccttaccagg agaacttggg tgtgagaaca 180

ggcgtggcta tttctagtgt gctactcatc ttctgcctct tggagctcag cattgcaagt 240

gtgtcctccc actttggctg ccaagtggcc tgttgtcact acaacaatcc aggtgtggtc 300

attccaaatg tctatgcagc aa 322

<210> 783
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
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<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
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<222> (222)..(222)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (228)..(228)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

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ctggccatgg cccaggacac tgtcctggag gacatcaccc tccaggacat ggtggnccat 120

cccntggcca tggcccaggg cactgtcctg gaggacatca ccntncagga catggtggcc 180

catcccatgg ccatggccca gggcactgtn ctggaggana tnaccntnca gggcatggtg 240

gcccatccca tggccatggc ccagggcact gtggccctca ccctggtcca catcactgag 300

aaatcagaag aaatgaagac acaagatgag gagtntgcat ggaatcccca gctgacctgg 360

caccgggntc taaactagaa ttttcccttg caaataaata gc 402

<210> 784
<211> 274
<212> DNA
<213> Mus musculus

<400> 784
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gtcactttgt cccacaccta gacctgggct gcatgcaagg ccatcagagc tacacttcct 120

gctgtgttag agtaggtgcc ctggagcaag gtctggatct tggagcctgg cagcctcaac 180

tggggacttg ctctcatgga cagtgctttg cctcctgggt gtgacttggg acacctggtg 240

actccaccca agccccgtgt tagtctggct aggt 274

<210> 785
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<400> 785
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aacttgaacc ttcccctctg ggcaggaaga ggagctgagt acacaccctg tgttgttgtc 120

ttgcagagga cagtcatgct gttatctatc accaaatttc ctaggttcca cttatccttt 180

ctgtttcagc ctgtgctcct tcatctctta gcattacact gaatttaaaa tgtgtcaaac 240

agaagaacaa agtgaagtcc tggttggggg tgttgggggg gtaagtggga nccttgttct 300

ttaacatggg caacagcttc ctctgtgctg ttaatgttgt taatggcggt cctccaactt 360

ggctatggca cagacgctga tgaggttatc aaattcaact gctctatttc aagaaagatn 420

tacttcctac ggcacaggaa ctggtgagct gtntgggttt actcactacc acatgctttc 480

atacctgctg tacacgtttt atttg 505

<210> 786
<211> 365
<212> DNA
<213> Mus musculus

<400> 786
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tctccggtgc tgccatcccc aagacataga tcctgggaaa gccacaaaag cagcagtcag 120

tgtgaagccc ctgtgacagc acaggccttc tatctggaac tctgacagag gagcctggtg 180

tccactcaat gatgcttcac tgaacctctg ctccatgatg gaggcttagc agtggccaca 240

cacacacaca cacacacaca cacacacaca cacacacacg ataaatataa atacatccat 300

catctgtctt tttaaatgtt aattgtgccc tcgtgtctgt ctgacgtctg gtcctctcga 360

aaggt 365

<210> 787
<211> 464
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
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<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

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<222> (353)..(354)
<223> n is a, c, g, or t

<220>
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<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<400> 787
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ctggcatgaa ctcgcactag cgcgtcctgt atgtgcagtg cacctccact ccgggggggag 120

aagttaccag tgggtgacac aggggagaag cataggaaag cttttaggtt tctttttcc 180

tatgtatgcc aaaagaacaa ttgtccacct catcggttac agaagtatgt gtcttagttt 240

taagaaatat atattatgtg ttttgggagg aagaccatgt tttaaaaata ctttaccntc 300

aaagccaaag tgatggaaaa atgnctgngt ttaactgaca ggcacatggc aannttcntc 360

atantnctat ttttttatgt ttgtntntnt tcatgatatn tgctaagact ttggggaaaa 420

aaaatcagcc ttttagaagc tggtttttat gtatgctgat cttt 464

<210> 788
<211> 382
<212> DNA
<213> Mus musculus

<400> 788
tgacactact ccagtggcca atacttttgg ccgtgtacca ccttcatacc agctgtactt 60

cattcctcgt taaagcagaa cacactggct gttgctatgc tggtatctct gacttctcag 120

ggagcagtct ccatatcctg tcaactatta gggacatctc tctcactact cctctcacat 180

cttttcattc tcccacaatc cagtcatcat ccatctttgt ttaagaagat tttccagagt 240

taccatgcag atccatcctc tgtcctcttc agtctacaac acttatatcg acagtactaa 300

gacatgtact gtgtcactaa tatgttaaaa gtgtaataca gacgaggtca actgagagcc 360

atctatgctt tgcttgactc aa 382

<210> 789
<211> 495
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<400> 789
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tcaccgtctc ctccaagggt tccagagtga ggtgggaggc tggtatctgg accagactgg 120

ctctggagag taggcggcna ttgaaagaag gtggtacacc agagtctaga ctcccatgtg 180

aagcacaagg atgctatctg ncccacctgt ctcctcttcc agcctcactt tcacctgccc 240

tagcacccca tgctctggcc ctccccagcc tggagctaca aagccatcag gactggacat 300

gaggtagagg ctgggcaatt ggccactgct cttgagacag aactcgcccc ctccttagtg 360

tccagggagg cctgcggatg gagaggaagg cntctatgag tctacctacc tgctcatgcc 420

caccttccca caggctgccc atcacacccc agggagcccc cagaccatgg gggactcgca 480

gctgtacagg gctta 495

<210> 790
<211> 355
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<400> 790
cttctcaatg gtcagtgtgc aggctggagc aaagcgctca tgaactgtga ccatgtaaga 60

tgttaagtat ttttattgtt tgtattcata tatggtgttt aatccaagtc aaaaggaaaa 120

cacttactaa aatagccagt tatctatttt ctgccacagt ggaaagcatt tagtntggtt 180

tagagtcttc agaggctttg taattaaaaa aacnaaaata gatacagcat caaatggaga 240

ttaatgcttt aaaatgcact ataaaattta taaaagggtt aaaagtnaat gtttgataat 300

atatactttt atttatactt tctcatttgt aactataact gatttctgct taaca 355

<210> 791
<211> 423

<212> DNA
<213> Mus musculus

<400> 791
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cacctaagta agcagacaag gtgtggtgtt tttgtaatgc cagtgctaga ggcagaaaca 120

gacagatcct gcaggctcag tggctggcca aacagcctag ccaacatagc gcgttccagg 180

ttcagtgaga aaacttgtct caaaaatcag agggaaaagc aaatgagggt gtcagccatg 240

tgcactcatg caaatgccat acatgcagaa gtatgtgcac acacacgcac acattaacca 300

acgactagca aggaaaatga aggtggataa gaggggtggg actgggacaa aggagggtac 360

ctggatgaat atgactgaag gacgttatgt acacatatga aaacgtcgta ctgaaactca 420

cta 423

<210> 792
<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<400> 792
gttacacact tcctgattct gtgcttaatt ctgganattg cctctggtca ggataatagg 60

aacaatctgc tttcactaaa tttgaaagtt tcttcaatga acaaggcaaa tgaatttgca 120

gtaacactca cagttacaaa taacgtggat aaatgcatgg tggtgaaaat cagtattgag 180

gacaatccga acatcaaata tctttctgct aaagcaactt acactgcttg catttgtact 240

gtaaacaact acttctggga tattcaagtc tttgcaaata ctgttttaca aggcaaagca 300

gaagttgttt cagctaagga gatatntcct gatggtgaaa acatatttcc agtaacttct 360

tatgnttgag acggttacag gtgaaatcct tgtaacacca agaactagat ntcccccata 420

gatccatggc accaaaccac ctgagggaat 450

<210> 793
<211> 383
<212> DNA
<213> Mus musculus

<400> 793
ttctggcttt ggtggagagc ttgctggttt gtcatcactc ctattctgtt gtctgcaatt 60

ctagtctggt cactggtgaa atttcacaga cctgattatg ctgatattcc atatcctgac 120

tggggagttg ctcttggctg gtgtatgatc attttctgca ttatttggat accaattatg 180

gctatcataa aaatagttca ggcagaagga aacatacttc agcgtatcat aagctgctgt 240

agaccagctt cgaactgggg tccatacctg gaaaaacatc gtggggagag atacagagac 300

atggctgaac ctgcaaagga gactgaccac gaaataccta ctattagtgg cagtacaaaa 360

ccagaatgag atgtcacctt tga 383

<210> 794
<211> 417
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<400> 794
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ataccaaatg ctgctgccag tgttgctggc cgttgccttg ccagggtccc tatgaactgt 120

gagctctaga gttctagatc ctcttctgct gggctcggag actcagaagc tcaacataga 180

cacngagaaa atgaatctcc aatggtggtt ttgtgtggga ccgtgaaagg tagcttggtc 240

cccagctgag ctaaggcttg aagccctagt acttctgaag gaacagtagg tgcttcacct 300

gtactggggt accaggcccc ggtcactagc tgcagacccc catagatttg tagccatcag 360

tcacataagg acaacgtccc aagcccctcc acatgtagag gatatgaccc gtggtca 417

<210> 795

<211> 497
<212> DNA
<213> Mus musculus

<400> 795
gaagcaggtc ttcctgtttc agtttttgct aacttcctct tttgctactt tagtcttttg 60

gagggcaacc aattgctgtg ccatgtcaca agaaaaatga atcatctcgg cagttttgat 120

tatagtttta ctaaacacat ctttgtattt ttttcccact tttgaggttg aatatcattc 180

tgtagttaaa attgctttca ttcatacatt taaatgttca tagttttaaa tttcaaccaa 240

ttgccaaaag agtgatataa aaggtttagc atgagaaaat tccttttaaa ataattaatt 300

aattaaaaaa atcagttgcc aactgggcac acttatgaaa cagttgataa tttattatat 360

gttcagaaag attcttagta agaatatatg agaatatgca gataggttgc aatcataaaa 420

tgggataatt tttcttataa gtttaggctt tcactgactg atgaatttct acaattaata 480

cctcctcata gaagtgg 497

<210> 796
<211> 560
<212> DNA
<213> Mus musculus

<400> 796
ctcatcctcg atttttcagc agtgtctttc cttgacgtct cctcaatgag gggcctcaga 60

acgattttac aagaatttat taggatcaag gtggacgtat atattgtggg aaccgatgat 120

gatttcattg acaaacttgc tcggtgtgaa ttcttcgatg atgaagtcac agactcaata 180

tttttcttaa caatccatga tgctattttg catattttga tgaagaagga ctacagcact 240

tcaaagttta attccagcca ggaaaaagaa aggaaatttg actttaccat aaatacaaat 300

ggaggactac gtaatcggga atgtcaggta ccagttgaaa cgaaattcta atcaagatac 360

aattcggaag gattctcatc tgtcataaca aaaacaacct tatacctaga aagttattgc 420

taagttcata cattgtatga acgatatttt tatttgacag aattatgttt caaactttgg 480

aacgagattg ttctagcatg gtatattttt cacatatcta gttatgaaat tatgtaccat 540

attcctaatt ttctaccttg 560

<210> 797
<211> 410
<212> DNA
<213> Mus musculus

<400> 797

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gaggtgggga tcattccagg cccttgacgg ctttcccgga tgcacgttga ccagcggcgt 120

ggtgaacttc ttcttggctc acacggaaca actccgaaga gttggttttg atcccatctt 180

gcaacgagtg gcccacggag agttctttat tgatgggctg gggagactgt tggtgggctc 240

ttgcccgggt gtaattataa accaccaagt aagaacacca ccaaaggatc caaagctggc 300

tgccttggag aagacttatg acaaataccg ggccaacacc aattctgtga tccaattcaa 360

ggttgcactc cagtacttca agaaccatct ctactgctcc acttaaaaag 410

<210> 798
<211> 166
<212> DNA
<213> Mus musculus

<400> 798
tggatgacgt cgcatacact gtcctgaact tcaattccca gcaacccaac cggccaactt 60

cagccccttc ttctccaaga gccacagaaa cagtttattc agaagtaaaa aagaagtgag 120

cataatctgt ccgtctgtcc tgctggctgc accagtgatg cattcc 166

<210> 799
<211> 539
<212> DNA
<213> Mus musculus

<400> 799
gcagggctgg catatttcct ctattccagg aagtctggcg ggggaagtga ccagcgagat 60

ctcacagagc acaaaccctc aacctccaac cacaatctgg ctccttctga caactctcct 120

aacaaggtgg atgacgtcgc atacactgtc ctgaacttca attcccagca acccaaccgg 180

ccaacttcag ccccttcttc tccaagagcc acagaaacag tttattcaga agtaaaaaag 240

aagtgagcat aatctgtccg tctgtcctgc tggctgcacc agtgatgcat tcccggattc 300

tgttcctcac tggagggtct cagcacacac acacgtacac atgcacgcga gcacacacac 360

acacacacac acacacatac acacacacac ttacacacac actcatgcat tcactctatt 420

gactccttca gtgtctatag aagaaaaggt ggatcctgga gcctacagaa aactcaaccc 480

ttctaggctt tcaaatttgg ctgagagtga ggtatcaaaa tttctcaccc tttcacttt 539

<210> 800
<211> 293
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<400> 800
tatccgggag ccatgactat tccagcttac cctgctggga gtcctgggta caaccctcca 60

cagatgaaca ccttgcctgt catgacagga cccccagtct tcaatccgcg tgtgccatat 120

gtgggggctc tgcanggggg gccttacagt ccgaagaacc atcataatca agggatatgt 180

acttcctaca gccaggaact ttgtcatcaa cttcaaggtg ggatcgtccg gagacatagc 240

tttacaccta aacccccgca taggtgacag tgtggttcgc aacagcttta tga 293

<210> 801
<211> 303
<212> DNA
<213> Mus musculus

<400> 801
tgaccagcga tgctgtacta ctgataagtg caatcaagtg gacacgaaac catctcaggt 60

acctgcaaaa gccaatggtg ttcagtgtct tgcctgctat atggaggcag gcagggtgtg 120

tattccaact cctctgaagt gcacagggag cgagacgaag tgtgttgcag ttataggcac 180

agctgttgga agcagtagtc ccctttcggt agtgatggtt ggatctggct gtgcgacaga 240

aagcgcctgt aacctgaata tgaccgtttt ggactttgta aatatccgca ccttttgctc 300

cag 303

<210> 802
<211> 242
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)

<223> n is a, c, g, or t

<220>
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<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<400> 802
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ccctgctntn tcntcccttt gntcctgggg atggccaagc actatttatt gatattgatn 120

ttacttcctg tgctaagcac attattttga gaaatgtttt gcagttctta tcaagtttag 180

tgtatctggt tttatactga agtnctttgg tccatgtcga actaagtttg gtacagagtg 240

at 242

<210> 803
<211> 382
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
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<222> (186)..(186)
<223> n is a, c, g, or t

<220>
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<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<400> 803
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cacatgcgcg cgcgcacaca cacacacaca cacacacaca cacacttaca cacacactca 120

ngcattcact ntatngactc nttcagtgtc tatagnagaa aaggtggatc ctgganccna 180

cagnanactc naccttcta ggctttcaaa ttnggctgag agtgaggtnt caaaatttct 240

caccctttca ctttcctgac ccagattgtt gnaaattgac ctattcagag caccttcatt 300

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aggtcaccta agtgcttacc cc 382

<210> 804
<211> 557
<212> DNA
<213> Mus musculus

<400> 804
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gaagatcaaa cctccatggg caatctacac acccgacaac tgtcatgctt acccatctgg 120

gacattcgag tctctgaacc ttgtgccctc acgcctgagc ccttctctga gcctttctcc 180

agaaaatcca ctcacagcaa ctagagaggc tctttgtcag caactccaag caaactgcta 240

ggcaggattc agaagaaaag acagcatctc taacatccac caggaaggtg cccagaaaag 300

cagagctggt gactttggac tgacagacat ctggagtgtg aaaaagcagc acagagctaa 360

ccttcggaga gtgttgaaat tatttgaaaa gaagccatat ttggaggtat tggagttttc 420

ctctttctga gacaatccac tatttgaaaa ttgtagctac tgaattgcct ctcagtatgc 480

gagctgatca cgtttcctta gggccactag atttctgtct cccttagccc ctcaagccct 540

tttgatcatg agttcca 557

<210> 805
<211> 531
<212> DNA

<213> Mus musculus

<400> 805
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cggagccaca gccaagtggc tatgacaacc tgaccttcct cccagaccac aaggccaagt 120

ggtcgcccac ccccaaccgg aagccagagc cgagccccaa gcttgcccag ccgcccctcc 180

ggcctcctag ccccatgtcc tccagtccta cgccccccag ctccacacct cctagccctc 240

agcccaaagc ttccgggtct cctaagacag tccaggctgg ggacagccct tcagccgtga 300

ggtctatcct gactaaggag cggcggccgg agggggaggg cggctacaag gctgtgtggt 360

tcggcaagga catcggggca gaggctgacg tggtggtcct caacgagccc accgccgatg 420

tggacagcgc cagtgcctcg ggaagtgagg gcagcgatga tgatgaccct gaccagaaga 480

agactctccg ctttggcgtg gatgctgaca acacttacat ctagctcagc g 531

<210> 806
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (75)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<400> 806
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cagctgggag ccttnntttn ccccagaatg cccttctgtg agcacatggc tgagcttcca 120

aactgtcccc agacacccaa cctgatctgt ggcacggatg ggctcacata tgaaaatgaa 180

tgccaccttt gcctgacccg gatgaaaacc atgaaggaca ttcaaatcat gaaggatggc 240

caatgctgag ntcagaggtg cactcaagcc atgaaacttc atgctggaga acagtgatgc 300

cccagaggct atgacatgaa at 322

<210> 807
<211> 397
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<400> 807
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acttgctctg ggataatccc acaccgtgta ctgcatcgct aagcagaaat acagaaccaa 120

gtagctgctt ccccctcttc agtgccagtc atttgggaaa ttgggatctg gtcctgatgc 180

tgccccggct tctgggtctt agccgtgagt gtaagaatac ccacaagcct ggctttcccc 240

cttcgtagcg ttgtgtacaa aaacagacac cacggagaag ggtttagccg tcgccagcct 300

ctacccggcc tggttactat tcggaatgca ttttatagta ggtttttaa ttcaantaag 360

tgcctcgatg ctgatcctta gatcagcact caaccat 397

<210> 808
<211> 474
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<400> 808
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cggttttgca tggatctgtg gacctgagga ctgaggagaa gcgtgtttag ccaagcgtgg 120

tggaacacac cctacattga gaattccgca tagagactta ctgggaaata gaccctgcag 180

ttacctagaa tgggtaccag agagatgatg ctggaancgc cgacagtatg gaaactgcag 240

tggtcatgtt acgatggtag gcgaaacctc ccagaatccc atgcccagag atgtctccta 300

cccgtggtcc ggcaatcagc accaaggaca gtgcctggcc cgctgccatc gtcggttgtt 360

ttaactttgg gttgcatttt accatcagca aagcacgctt ctaagaaaga ttacctccca 420

tntccatggc aagcactgtt tttaacatag accatctgtc tttacaaggg catg 474

<210> 809
<211> 387
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (113)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<400> 809
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catgcacgcg agcacacaca cacacacaca cacacacata cacacacaca ctnnnnnnnn 120

nnnncatgca ttcactctat tgactccttc agtgtctata gaagaaaagg tggatcctgg 180

agcctacaga aaactcaacc cttctaggct ttcaaatttg gctgagagtg aggtatcaaa 240

atttctcacc ctttcacttt cctgacccag antgttgaaa attgacgtat tcagagcacc 300

ttcattcccc tcccaactcc aagtcctgcc ctatcagagt ctgacttgaa tttccataaa 360

ccttggaggt cacctaagag ttacgcc 387

<210> 810
<211> 284
<212> DNA
<213> Mus musculus

<400> 810
aatagccaga gtcttcagct cacagagaga atgacactct cccagaacaa cagcatcctc 60

agaatagacc ctattaagag ggaagatgcc ggcgagtatc agtgtgaaat ctcgaatcca 120

gtcagcgtca agaggagcaa ctcaatcaag ctggacataa tatttgaccc aacacaagga 180

ggcctctcag atggcgccat tgctggcatc gtgattggag ctgtggctgg ggtggctcta 240

atagcagggc tggcatattt cctctattcc aggaagtctg gcgg 284

<210> 811
<211> 370
<212> DNA
<213> Mus musculus

<400> 811
gaagtgtacc aaggcatgtg tgagaatcaa tcagatgctc tatgacctgt tatctacagt 60

tggtgctctg ctcctgatca accaaaacca ttatcaaaaa ccaaaaccat tatcaaaatc 120

cagcaataat cacattgaca gccaagatga aaattagttt agaggagtgt tgggcaccgg 180

acaacctgag taggagacaa cctgagtccc gccagagtac tggtgctctg ggcggccata 240

ctcaggagta ctgctgcaaa ctttcaacgt ggccccgggt gggtgtctgg ctgtgggaag 300

ccagagaacc ccagcccgcg ggagttgggg tgtgtggaca agtggcattc cgaggtctct 360

gagcctcatg 370

<210> 812
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

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gaagctgaaa cactaactca cattgttccg atctgaaatg tgggtatcca cgctccctct 120

cagctggtat tatgcccttt gtagaccaaa tttcagagct cctcttgcat cctgggaggg 180

tctacaggtt cctggaagcc tgggacttgt gcatacgagg tacctatgtg attgtaaaca 240

aaagggattg ctggagtaaa atttccttta aggtgctctt caaagcaact cccaacccat 300

gttttcatga ataaacgtgc tggtgtaaaa atgacacagg accacaaagc cagtgatata 360

ggttagtaac agagtgacag ttatatccaa gggaagatgt gtcatccctg aggaacat 418

<210> 813
<211> 413
<212> DNA
<213> Mus musculus

<220>
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<222> (112)..(113)
<223> n is a, c, g, or t

<220>
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<222> (115)..(117)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (121)..(122)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (144)..(145)
<223> n is a, c, g, or t

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<222> (160)..(160)
<223> n is a, c, g, or t

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<222> (162)..(162)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (257)..(257)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccagaggagg cagcagctgg taccattcct ggggcactca acatccctgt gnntnnntng 120

nnanncncct tnaacntnga cccnnctgct tttcagactn tntactntgn tgagaagcca 180

aagctagaag acaagaatnt tattttnttn tntnagatgg gcaggcgggg tntncaggcc 240

acacaactgg cacaagntnt tggntataca gggggntngga antatnccgg ggcctataaa 300

gagtggctgg agaaacaggg ctagataaaa ggctcaccag tttgtggctg ttntcagact 360

accttgctgg gctaggcaaa tccttgtagt gcttcacaca tgaaaaactc aaa 413

<210> 814
<211> 473
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<400> 814

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actgggttgt cgttagcatg ctcaaacaca gtcttttctc tacttcaaga tctagaacca 120

tctctccaga agagagagag agagacagag agtgagttag tttcctatga tccagtaaca 180

cctcttcccc aggaacacag gatgttctaa aaggacatcc attcaactca aagggttcag 240

ggactccctg aaacccacca gacagactag gccccctctt ttccaagtat attagctgtg 300

aagactngct gagaggcact ctcagacaag tntgagctgc ctgaaacaga cattctctaa 360

cctgttgagc tgtctgcaag ttgtacagag ggcttcaagt ttacagcttt tgtgacatgg 420

tgagctttca tggtgccgct gtctttcgag tcatttgtga tcctgcggta acc 473

<210> 815
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<400> 815
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caaaaccaga ccagagtccc ttgctctgct gtctccgtca tgaaggagat ttcctacaat 120

ggctgcacca agaacatctc catgaactac tgttttgggt cctgtgggac ttttgccatg 180

tactctgccc aggtccangg tctggatcac aggtgctctt gctgcaagga ggagaagacc 240

agtgtccgaa gtgttaccct ggaatgccca gatggcagtg agctgagcca tacctacaca 300

cacatcgaga gctgtctgtg ccaggacact gtctgtgggc tcccacaggc ccagcaagtc 360

cgcaccaggc gttctagccc ccgttttcta ggaaggaagt gaatgggttg taccgtgcac 420

attccttcgc atcttaaact attctgctga ctctctgacc ttctccactc ctggcttggc 480

ttcttctctg cacatattta ttttcggagt ttctgttcca ttctttg 527

<210> 816
<211> 381
<212> DNA
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<222> (37)..(37)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (70)..(70)
<223> n is a, c, g, or t

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<222> (120)..(120)
<223> n is a, c, g, or t

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<222> (137)..(137)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (228)..(228)
<223> n is a, c, g, or t

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<222> (254)..(254)
<223> n is a, c, g, or t

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<222> (313)..(313)
<223> n is a, c, g, or t

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ataacnaaan caaccttata cctagaaagt tattgctaag ttcatacatt gtatgaacgn 120

tatttttatt tgacagnatt atntttcaaa ctttggnacg agattgttcn agcatggtat 180

atttttcaca natctagtta tgnaatnatn tacatattcc taattttnta ccttgtagac 240

ttatcaaggg tagnaaagta ttttgtttat tgtatttttg tagcgcagac cgattccttt 300

ccaagtcatt atnttcttgc tcaacatttt atggtgtatt tacaccactg ctttgactcc 360

aatttttaca ggtcatgcta a 381

<210> 817
<211> 495
<212> DNA
<213> Mus musculus

<400> 817
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ccatcaatga cccacagtcc aggaagctac ccagagcttg ccattaaaga ctgtactggc 120

tatggaagac atcaaaggac agctcgagtc tcaccagcca gtcagtctcc taatgctgaa 180

gactggctga ctaagggctg gggatgaagt ccagaataag ctgctcttct tttacccctc 240

tggacatcat ctgtaaccaa gcagccattt ctgtggaccc ctttctcctt tacttaggag 300

agccttggga aatacaaggc atggagaggg gctgcacatc cgtgtacttg ttcatgatgt 360

ccatactgaa cactgagcat tgtgcacttg aaaatagatg ttgagatgca caggttagat 420

tctgcccagg ttagctgaaa ggtgatcctg acctctacct gcagatggat attgatgaca 480

ttgcactggg ctagt 495

<210> 818

<211> 444
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<400> 818
taataactct cctcgggttg atacaactaa ccttacacca aaagaagcca actccgagga 60

aacctttgcc tttaaaccag aaaatatcac agaagaaaat gcaacgtaca tattcattgc 120

cattgaaagt gtcgacaaaa gcagtttgag ttcgggacca tccaacatcg cacaagtggc 180

actgttcacc cctcaggcag agcctgaccc tgatgaaagt ccaagtttat caggagttag 240

tgttgctact attgtgctgt ctgttttggg cgctcttgtt ctagtttgta ttattgtagg 300

taccacaatt tgtatcttaa agaacaaaag gtcctcatca gcagctataa caaaattttg 360

aaagataaca tgaataaaaa agatattttt gagtttttaa agcatatccc atntnatcat 420

gaactcaaaa gtaacttcaa gagg 444

<210> 819
<211> 524
<212> DNA
<213> Mus musculus

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<222> (184)..(184)
<223> n is a, c, g, or t

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<222> (199)..(199)
<223> n is a, c, g, or t

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<222> (201)..(201)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (204)..(210)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<400> 819
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tttgattacg gcccttgtgt gtttgcggaa gagctatcac cggaagcttc gagctatgaa 120

ggctggcaag gaggcccgaa agacaccaat agagacgaca gctccaactg ctgctatccc 180

aggnactaac atgtacaana ntgnnnnnnn caaccccgtg ctggacctcc ccaccaagga 240

tctgggcttg gagtgccact cctccagtga cttggactat gacagcctca attccctaga 300

tgagaactct gtggacttgg acatggacag taaggaantt caagaggaag gatcttccag 360

gagaccctcc tgagcctgac cctgagcccc tgactgcagt gctctcagga aggtcggcag 420

gtgcgagcga acagcagaaa aagaatctgt ccttcaccaa ccctggcctg gacaccacag 480

atctgtgacg gagcctgtca ttcttcgagc tcaaaccgta ctgt 524

<210> 820
<211> 456
<212> DNA
<213> Mus musculus

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<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<400> 820
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atatatgagg ctagcacatg tgtatcattc tacagcatcc aatctcataa tatgtgaggt 120

actcncttat aaacgcactc taaaattaga ataaagaata tacagaatat attctataga 180

atacaaagaa gtagagaata tagtagcagc tatcatgggc tgagggtagc ataaaggaaa 240

ggagagaaag gggagaaagt ctcagacaca ggaataggat ctgtttcacc atggttaata 300

atgtgccttt tgaaactgct aaaagagcac attttaaatg tttttgagac agagtgatta 360

atatgtgaag tgatggatat gtttatgtgc tcgtatgttt atatgcttat ttgctcattt 420

cacaatgtac aaatggcact acattgaacg catcat 456

<210> 821
<211> 439
<212> DNA
<213> Mus musculus

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<222> (33)..(33)
<223> n is a, c, g, or t

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<222> (42)..(42)
<223> n is a, c, g, or t

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<222> (75)..(75)
<223> n is a, c, g, or t

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<222> (108)..(109)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (214)..(214)
<223> n is a, c, g, or t

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<222> (345)..(345)
<223> n is a, c, g, or t

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<222> (350)..(350)
<223> n is a, c, g, or t

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<222> (355)..(355)
<223> n is a, c, g, or t

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<222> (363)..(365)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (375)..(375)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<400> 821
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tgatggagga cccancaaac cagtttttac gcctgaaaag acacgtgnna cacttgccag 120

atttntggga cccagatcat cacccagatg ggacaggaac atcattggct gacgaggtct 180

gggaagcatg gacttctttg aaagcaagtg cacnccgcaa ttttgacacg gacacattgg 240

cctttgatat atctactgcc cagtaaatgg acttgagtgt tacaaaggaa agaacaaaca 300

tggtagaagt tagcacagta gtgtggtagg cttggagaaa caggnagatn aaatntggcc 360

ttnnnctacn ttatntattn tgcccagntn atgganacat tgaaaggagc aatggtgaaa 420

acccttgcag acacctgaa 439

<210> 822
<211> 434
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

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<222> (291)..(291)
<223> n is a, c, g, or t

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<222> (296)..(297)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (347)..(348)
<223> n is a, c, g, or t

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tctggtgttt ggctgttttt tattttattt tttattttaa aaaaagccct ctttggcttt 120

tcccgtggtc cataggccca gccatccagg gctagcggtc ctcttggcct tctcctctgc 180

cccaggccct ngtgatattt attgtagtta aaggcaatga gagtgggtgg gagaagaggg 240

tctggagagg tgggaattgg gtgggcaagg gcacagagct gtggcngngg nggggnntcc 300

tatngttata tgtaaatatc tgtacagcgg gctgcccccc tccccanngc attctctgtc 360

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ggtctgtatg gaag 434

<210> 823
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

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acacacaccg gtgagtgtcc tcacttnctg agttctcaag gaggtgctgt agggatagct 120

gaagactctt tgcatggaag tgaacccttc cgcatagccc caatgtctgg gagtctggtg 180

tccaggagaa cttagaagtg ctttatggag agtacttgag ctgagggcaa atggaggcct 240

gaggtggagg agtgtcactc tggtatgtgc aggcaagact gaatctccag aaaagtagaa 300

ttctccaggt gagaagcttt acagttttgc ctaatttttt ngttctttag tgctcttctt 360

ggactcttaa ttc 373

<210> 824
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)

<223> n is a, c, g, or t

<400> 824
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tacaaaagcc aacaaggaga ggctaaggag gcagacgtgc aagcctattg tgtgcatgca 120

cacgggtgtg cttccgaagc acactaacaa gctcgctcat aaccgagccc ttaggaactc 180

tggttgacac aagttgcacc ttcaaaatat gaagtaggca ttaaatgcaa aaacgatata 240

tatagccagg catgttagag aatggccctg tcaagcacct ccctggcagc atccctccag 300

cccgcacaga tttgctagtc ctacgcttnt ntttgcttgc gattaggaac tcttaaagct 360

agttaaactg catgtgcaat acggaaacca gaacggactg caccttgtgg aagaaaaaca 420

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<212> DNA
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<223> n is a, c, g, or t

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<222> (429)..(429)
<223> n is a, c, g, or t

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ggacaaatta caggcgaagg tgaaatccta caagagacag gctgaggagg ctgaggaaca 180

atccaangcc aacctggcca agttccgcaa gctgcagcac gagctggagg aanccnnggn 240

annggnntna nntnnccgan tcccnnntnn annannnnnn ggnnnnagan ccgggagntt 300

cacaccaaan tcagcncaga gtaaacacnt nttgcagagg aaggaggctg ccaaggggct 360

gaaggaaagc acaggagggg ctgctttggn tcgcttgctg ggtcacttgc ctntntgggt 420

ttacttttnt cctactgctg actaaataaa aact 454

<210> 826
<211> 537

<212> DNA
<213> Mus musculus

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gaagccttca caatcatgga ccagaacaga gacggcttca tcgacaagaa tgacctaagg 120

gacacatttg ctgccctagg acgagtgaac gtgaaaaatg aagagatcga tgaaatgatc 180

aaagaggctc caggtccaat taacttcacc gtgttcctca cgatgtttgg ggagaaactt 240

aaaggggctg atcctgaaga gaccattctc aacgcattca aggtgtttga tcccgagggc 300

aaagggtcac tgaaggctga ctatgtccgg gagatgctga ccacacaagc agagaggttc 360

tccaaagagg agatcgacca gatgttcgca gcctttcccc ctgacgtcac cggcaatctt 420

gattataaga atttggtcca catcattacc cacggagaag agaaggactg agccctgaac 480

cacagcctca ggtgacccac agcccactct ccatcccagg gctgtgcgca ataaaac 537

<210> 827
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<212> DNA
<213> Mus musculus

<220>
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<222> (385)..(385)
<223> n is a, c, g, or t

<220>
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<222> (390)..(390)
<223> n is a, c, g, or t

<400> 827
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ctcaagggcg gcaagaagca gctgcagaag ctggaggccc gggtccggga gctggagaat 120

gagctggagg ctgagcaaaa gcgcaatgca gagtcagtga agggcatgag gaagagtgag 180

cggcgcatca aggagctcac ctaccagaca gaggaagaca ggaagaacct actgcggctg 240

caggacctgg tggacaagct gcagctgaag gtgaaggcct acaagcgcca ggctgaggag 300

gcggaggagc aggccaacac caacctgtcc aagttccgca aggtgcagca cgagctggat 360

gaggcggagg agagggcgga catcnccgan tcccaggtca acaagctgcg ggccaagagc 420

cgggacat 428

<210> 828
<211> 276
<212> DNA
<213> Mus musculus

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<222> (143)..(143)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctacaagcgc caggctgagg aggcggagga gcaggccaac accaacctgt ccaagttccg 120

caaggtgcag cacgagctgg atnaggcgga ggagagggcg gacatcgccg agtcccaggt 180

caacaagctg cgggccaaga gccgggacat tggtgccaag nnnaagatgc acgacgagga 240

ataacctctc cagcagaccc tcgctgtggc caatcc 276

<210> 829
<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<400> 829
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cacagtggac ttcgatgagt ttcttgtcat gatggttcgg tgcatgaagg acgacagcaa 120

agggaagtct gaggaggagc tgtcggatct cttccgcatg tttgacaaaa acgctgatgg 180

ctacattgac ttagatgagc tgaagatgat gctgcaggcc acaggtgaga ccattacgga 240

agatgacatt gaagagctca tgaaggacgg tgacaagaac aacgatggcc gaattgacta 300

tgacgagttc ctggaattca tgaagggtgt ggagtagatg ctggtcttgc acggttgcct 360

gcgcctgttn tccccctcca cccagacccc gtggtaggag tgcagctggg ctctntagac 420

tctgagcctg cctgtgtcct tgaaccttgg 450

<210> 830
<211> 534
<212> DNA
<213> Mus musculus

<400> 830
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taagcccaag atttcctggt tcaagaatgg cctggatctg ggagaagatg ctcgcttccg 120

catgttctgc aagcagggag tattgaccct ggagatcagg aaaccctgcc cctatgatgg 180

tggtgtctat gtctgcaggg ccaccaactt gcagggcgag gcacagtgtg agtgccgcct 240

ggaggtgcga gttcctcagt gaccaggatg gctccccaga gatggctagg tacaaatgga 300

tgccaggctg tgtaccagac cggaagggag ttggaggagc acccttttct gctactgcat 360

gtgtgtgtgc aactgtgcat cctggaagga ctggccagca gtgacaccag gcaggtctgc 420

tgggttctga agaaactgac cctaaggata atgttaatac tgggagcata aagtgtgtgg 480

gcttcagaag tggtgactgg ggacaggccc ttttggctgg ctcattgtgt agga 534

<210> 831
<211> 121
<212> DNA
<213> Mus musculus

<400> 831
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agttcaagca gcagaaatac gaaatcaacg ttctgcgaaa ccggatcaat gacaaccaga 120

a 121

<210> 832
<211> 498
<212> DNA
<213> Mus musculus

<400> 832
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agctcagaca gagcggaaga gtgggaagag acagacagag agagagaaga agaagaagat 120

cctggcagag aggaggaagg cgctggccat cgaccacctg aatgaagacc aactgagaga 180

gaaggccaag gagctgtggc agagtattca caacctggag gctgagaagt tcgacctgca 240

ggaaaagttc aagcagcaga aatacgaaat caacgttctg cgaaaccgga tcaatgacaa 300

ccagaaagtc tccaaaactc gtgggaaggc caaagtcacc gggcgttgga aatagatgaa 360

actgttctcg tcaaagctgt gccccctgct tgtgtccttg ccccgtgcat cccagctctg 420

ggtcctcctt ggcacccaat gcagactcct gtttggatag tgggagctgg cttagctaga 480

agccagtact ctgcctga 498

<210> 833
<211> 497
<212> DNA
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<222> (302)..(302)
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<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
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<222> (413)..(413)
<223> n is a, c, g, or t

<220>
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<222> (429)..(429)
<223> n is a, c, g, or t

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tttgtaccca aaacttttca agcctgaagg aaaagcagaa ctgcgggatt acaggagctt 120

taacagggtt gccactccat ttggaggttt tgaaaaagca tcaaaaatgg tcaaattcaa 180

agttccagat tttgaactac tgctgctgac agatcccagg ttcttggcct ttgccaatcc 240

tctttcgggc agacgatgct ttaacagggc gccaaagggg tgggtatctg agaatatccc 300

cntcgtgatc acaactgagc ctacagaaga cnccactgta ccggaatcag atgacctgtg 360

agagggaagc tggggatgcc acaggaagtt ctgcacatag aagctgctgt tgntctgctt 420

agggcaaanc cattggagtt gctcacctct aaagtcactc aatagcagtt aagtacattt 480

catcttatgg cacttaa 497

<210> 834
<211> 339
<212> DNA
<213> Mus musculus

<400> 834
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ctgtaagaag tgctccctgt ctctggtggg acgaggcttc ctcacagaga gagatgacat 120

cctctgtcct gactgtggaa aggatatttg aaggcggcac agaagccaca gcgcgtggcg 180

cagaagattc ggatgttttc ctttcataac caggcaatgc tgtgttctga ttcccaccag 240

ccaccacgag gcttcctctt gctgccctgg cttcacattt gttgaaaccc ctttagttct 300

tttcttctca gtggggacaa gatccatccg taagccccg 339

<210> 835
<211> 564
<212> DNA
<213> Mus musculus

<400> 835
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acttggcgat cgtggagaag ttaatggagg ctggagccca gattgaattc cgagatatgc 120

ttgaatccac agccatccac tgggcatgtc gtggaggaaa cgcagatgtc ctgaaactgt 180

tgctgaacaa aggagccaaa atcagtgcca gagacaagct tctcagcaca gcgctgcatg 240

tggcggtgag gactggtcat tacgagtgcg ctgagcacct catcgcctgc gaggctgatc 300

tcaatgccaa ggacagagaa ggagacaccc cactgcatga tgctgtgagg ctgaaccgct 360

ataagatgat tcgactcttg atgaccttcg gtgcggacct caaggtcaag aactgtgctg 420

ggaagacccc catggatctg gtgttgcact ggcagagtgg aaccaaagca atattcgaca 480

gcctcaagga gaatgcctac aagaactctc gcatagctac attctgagaa aagagactca 540

acaggagctg ttcgcaggca tttt 564

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<211> 331
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (297)..(297)
<223> n is a, c, g, or t

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tctgtatgta cattcagagt cttcccatag ctcttaaacc gtgtgggtga atggtgtcta 120

attgcacccc tttgtgttct cacttgcata aagctattca aggtactttt taaaaggcaa 180

gggttgatcc ccgcagccct tctctgaatt ctcactgctg atatctgaat gaagcaacag 240

aaggcacgca gtaacgcaga cgggaacgga agcagttccg caggactggc ncggagnctc 300

gccacccacc cacagatttg gttcggtttg g 331

<210> 837
<211> 416
<212> DNA
<213> Mus musculus

<400> 837
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gtaacaaagc tgtgggcttc ctcatatttc tggagtcagt gtcatccacc gacagttgga 120

accatcgcca atgtgacagt agtcttgggt tttcctcttt cttttggcca cctgtgatca 180

gtcattggtt aaggacgcct tgacaggcca tcttttgata tccaagctga agcaatatcc 240

attcagagat ttcattggtt gcatcataag acatgggtga ccatgtacat cgattcattt 300

tatgtttttc ttttttcttt tctttttatc attttgagtc cttttaaatg taattctaat 360

ctttacaatt aaaaaaagac aggttcagaa tggaagcgag gtcattctgc gaacat 416

<210> 838
<211> 387
<212> DNA
<213> Mus musculus

<400> 838
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ggaatattag gatgatgagt gggggtcatc tagctctatg aacatcccat taattgccaa 120

gcctcatata ttcaccagtg gtaagagagg ctgaaggata aaaggctttt catttttctg 180

atggagaccg tttaggtctc tgaatgggtc tgctggctgc ccagagtgag ctgggaactg 240

aatgcaccct ctctgtcccc gctagtgagc tgtcccattc tgagttaaaa tcgctttatc 300

cactggtcaa ttaactctcc ccattcatca gcactcccac agttgaccag ggcagcgacc 360

attaagagtt cacgatgccc tgaggca 387

<210> 839
<211> 562
<212> DNA
<213> Mus musculus

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gaacgagagg cagaagagcg acgtggagag aaggggcgcg ttctgaggac tcgttgccag 120

cctttggagt tggatgggct gggctttgaa gagcttcagg acttatgccg acagcttcac 180

gctcgggtgg acaaagtgga tgaagagaga tatgacgtgg aagcaaaagt caccaagaac 240

atcactgaga ttgcagatct gacccagaag atctatgacc tccgtggcaa gtttaagcgg 300

cccaccctcc gaagagtgag gatctctgca gatgccatga tgcaggcgct gctggggacc 360

cgggccaagg aatccttgga cctgagggcc cacctcaagc aggtgaagaa ggaggacatt 420

gagaaggaaa accgggaggt gggagactgg cgcaagaata tcgatgcact gagtggcatg 480

gaaggccgca agaaaaagtt tgagggctga gccatggctc ccacactgtg ctctgaagga 540

cgtccctgca gaataaacct ct 562

<210> 840
<211> 512
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (196)..(196)
<223> n is a, c, g, or t

<220>
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<222> (280)..(280)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (313)..(313)
<223> n is a, c, g, or t

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<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

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<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

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<222> (425)..(425)
<223> n is a, c, g, or t

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<222> (454)..(454)
<223> n is a, c, g, or t

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<222> (478)..(478)
<223> n is a, c, g, or t

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acgggagagc cttggcaaga aggccaaacg ctttctgggc cgcatcgtgg ctcgcaacag 120

ccgcaagatg gccttccgcg ccaagtccaa gtcctgccat gacctctctg ttctctaang 180

cccaatggcc cccttngctt aatgggccag taaatggctg gagggactgg cccaggcaac 240

tgttctagat gtctcagagt tggttcatcc tctgtgtttn tcagnactnt naactatgca 300

gcacacaccc ttntctnatg ntcatggaca gaaagatagt gctgaccagg gaggcaactc 360

caaatgncca gagagnccta ggcccatgga gatgcattgt gcaggcccac atgcatacca 420

agcancctga acccagcttg tggacaggac tctnccttтc tctatgcggg tgtctgtncc 480

ctggagggag gctgttcaat atggttgctg tt 512

<210> 841
<211> 466
<212> DNA
<213> Mus musculus

<400> 841
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atttggctgc ctgttgtcaa ctttttatct ttctcttgac cacttagaaa aacttgtctc 120

cctacttttg ccttcctggc ataatggaaa aagtgcaata cctcactcgc tcggctatca 180

ggagagcctc cactattgaa atgcctcagc aagcacgtca gaatctccag aacctattta 240

tcaatttctg cctcatcttg atatgtctgc tgctgatctg catcattgtg atgcttctgt 300

gaagagctgc cgccactcca gacctgcaac atgccaactc agcttaaagc cgagcactcc 360

gtcatggggg aagcaacgca ccgctgcctt ccggctgaga acagctttgt gagggtcacg 420

attaagagtg aaactaattg ttagccagtg tattcatctg cttgga 466

<210> 842
<211> 350
<212> DNA
<213> Mus musculus

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<222> (225)..(225)
<223> n is a, c, g, or t

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<222> (234)..(234)
<223> n is a, c, g, or t

<220>
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<222> (241)..(241)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (250)..(250)
<223> n is a, c, g, or t

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caacaataaa atcatttttg ttgctatttc ataactgtaa tttcgcctcc ttacctccac 120

tatgaattgt aaatattttg gaaacaggtt tgcatgaggg gttgcaaccc acaggttgag 180

aaccactggt aagaggtctg taaaaaatac ataagttgtg tagtngncca tgcntgagag 240

naacgngacn ctgaagctga aaagcaccag gcatttgtta tattgctcac taccacatca 300

acttcaaggt ataaactgtc agctcataag gctcttctca ttaaacattt 350

<210> 843
<211> 556
<212> DNA
<213> Mus musculus

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<222> (331)..(331)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (429)..(429)
<223> n is a, c, g, or t

<220>
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<222> (483)..(483)
<223> n is a, c, g, or t

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acgatgatga tgatgacgac gattcaaatc tcttggtcac tactgtcaga acaaatacct 120

tgaaaaaatg ttgtgccctt tttctacaca ctagtatttt taagcttatg agagttaaag 180

ggggaaatgt aagaacatat tctcatataa aattattcac taattttgct caagggctgt 240

gtacatgtac atgtacatta accacaaatc tgctctctct agggtttgat caacaagcag 300

gaacatcttg ctgtgttggc tgtgataatc nctaaagatc cagantctca cctgaagctt 360

gtcnctctca tgtatnctcc ttggtttaan agcgtttctc aaataatgaa gataacagta 420

ataaccnanc tgtagtaaga cacagctctt tcttttcctg atctcccaga gaggaagtgg 480

ttntccccta actttagaag tagaactaga gagctagtgt ataattctta ctgaccatgg 540

tttcaatttc cctttc 556

<210> 844
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<400> 844
cggcctcatg aagcgcagga gctcggtgtg aaccacagcc agacctggag cacctgtgag 60

ccagaggggt aggggacctg cctgcagaag ccgcaggagt tggccagaag gccccccaaa 120

gacgccttcg ggccccatgg gaagtcccca gcccatcacg tcgacgcggc cgcgaattcc 180

gagaaatgtg aaacttaggg ggtggggagc ccggaaagca gccacgggga gctgctgaga 240

agcccccagt cctcagaggc cctacggggg ccccagaccc ctcacctccg gagggaacta 300

atgttctcgg gttttgtttt ctgttttctg ttttggtttg gttctctctc tctctctctc 360

tctctctctc tctctctctc tctcnctccc tccctccctc cttctctctc tctcttctac 420

ttacacctcc tctgggttct ccaaagccca aggtgttttt gtccaggtca 470

<210> 845
<211> 364
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (43)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(47)
<223> n is a, c, g, or t

<400> 845
aggtcaaccc acctctgaga gacggcagtg ctctagggcg canncnntgg gacccctccg 60

atagatctgc cctcttgaaa agcaaactga gggctctgct cgctggccct cggagcctac 120

gaagatccag ctgcttcggg ggtaggattg acaggattgg agcccagagt ggactaggct 180

gcaacagctt ccggtaccga agataacagc caaggaggaa aaggcagtcg attctgcttg 240

agcagatcgc aaaagatcct aagcccttgt ggtgtgtcac gcagcttggt cacattgcca 300

ctgtggcgtg gtgaacaccc tcctggagct gcggcttcct gccttcatct atcacgatcg 360

atgt 364

<210> 846
<211> 545
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<400> 846
cagcagatcc acctgcagga gaagaagatc atcgagctgg aaaagctggt ggaaaagaat 60

atcatcctgg aagaaaggat ccaggtgctg cagcagcaga atgaagacct caaagcgagg 120

atcgaccaga acacagttgt caccagacaa ctgtcggagg aaaatgcaaa cctccaggaa 180

tacgtggaga aagagaccca ggaaaagaag agactgagcc gaaccaacga agaactactt 240

tggaagctcc aaacggggga cccaaccagc ccgattaaac tctcccctac atctccagtg 300

tacagaggct cctcctctng accctcctct ccggccagag tcagtaccac acctagatga 360

catcaccctg ccacccatag gagctcaggc ttctgcccat ctgagggcgt gctggccagg 420

tgccggtggc caccttgtgc gcatgctcgg tagctgcaca gtgcgcatgc tcggtagctg 480

cacaatgcat cttaggcagc gtcctctctg acccttgtgc aagaccatcc tggtattggc 540

gctta 545

<210> 847
<211> 431
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<400> 847
acaagaccta caagaagtgg agctcagaag gccgaggggg gcggcgcggt catnatgccc 60

ccatgatagc ctacgatgcc cttcttgntt cggggagcaa ctggaccgag ctgtgccagc 120

gagccatgtt tcacggagga gagagtggag cgacagggac gatcgccggc tgcctgttcg 180

ggttgctgca cggcctggcc actnttccac ggggcttnta ccaggagctg gaacacaaag 240

gcagactaga agatctgggc ncancccctgc accncctntc cacagaagaa aagtaaagtg 300

tttctgacat ttcccctccc agagggcagt gcggagcncc ctcactcagg cttagagctt 360

cctntaagtt accacccgag gaacacacac ctcatgggtc ncaatccaac tgtaactttc 420

ccctccaata t 431

<210> 848
<211> 351
<212> DNA
<213> Mus musculus

<400> 848
gaaatacttt tatagctgct ccaggtgcct gataataagc ttatttttgg aaagtgatgt 60

aatacctgag ccgtgaacag tgtgacctca ctctagagac atggttgcct ttgtaaaagt 120

aaaccataaa gccaaaggct ctgaaccact tgctgtgaat agcaaagttg ttctagactt 180

ttccatggga cttacttcta aaccttcaca aaattctcat cctgaggcaa actcacatga 240

aagcacacta aggagggttg gtgagtttat actgacaggc taatatttat cagaaatttt 300

ctgtaagatt tgttttgttt ttgcatgtct cattgatggt acttgacttg t 351

<210> 849
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<400> 849
aagttattcc aaacacagcc ccagccagcc aatgccaacg cagtaggtcc cgtacccaca 60

gcgaatgcag ccctaccagc tgacccacct gcatctgtgg tggtgggacc tgtggtggtt 120

ccacgaggac tttcagacca ccgaacttac cacgacctac gccacgcctt ctctcctgtg 180

gcctcggtgg agtcggcctc gggagaaact cttcattctc ctaaggtggg ccagcctggt 240

gctgctggtc cagtgtcccc catgtgccca gggaggatca gacacttcaa aatctaggct 300

tgattcgggg aagtaaggtt ttggcagaca ggacatagcc accactgaag ctgggggcgg 360

ggaggggtg gcttgtccac tgacaaagca ataccacatc acagctcgaa ttccaggtct 420

nttcattcct cagagaacag gggcagagag gtaatggtca aatttgatga aaggcataaa 480

gccagcagca acactggcac tggtggg 507

<210> 850
<211> 506
<212> DNA
<213> Mus musculus

<400> 850
gacggctacg atttcggcga tgaccccagt gacaagtttt tcacatccca caacggcatg 60

cagttcagta cctgggacaa cgacaacgat aagtttgaag gcaactgtgc ggaacaggat 120

ggatccggct ggtggatgaa caaatgtcac gcaggccacc tcaatggagt ttatcaccaa 180

ggtggtactt actcaaaatc atctactact aatggtttcg acgacggcat tatttgggcg 240

acctggaaaa gccgctggta ttctatgaag gaaaccacca tgaagataat tcccttcaac 300

agactctcca tcggagaagg acagcagcat cacatggggg gatccaaaca ggctggagac 360

gtttaaagaa catttcaaag ctggtttgct tttttaaagg actttatcca agcagagaac 420

tatactattt ttcctatggg acaatggact ttcaggacct cacttcattt tcagagttaa 480

tgggatccat ggtgcaaact ccatta 506

<210> 851
<211> 443
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<400> 851
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tcagggactg agccactaat aactgggnac cctcaagaaa ngaagactcc tgccagctca 120

attactcaga aggcccctgc ctagggatgc aagagaggta ttactacaac ggcgcttcca 180

tggcctgcga gacctttcaa tatgggggtt gcctaggcaa cggcaacaac ttcatctctg 240

agaaggactg tctgcagaca tgtcggacca tagcggcctg caatctcccc atagtccaag 300

gcccctgccg agccttcata aagctctggg catttgatgc agcacaaggg aagtgcatcc 360

aattccacta cgggggctgc aaaggcaacg gcaacaaatt ctactctgag aaggaatgca 420

aagagtactg tggagtccct ggt 443

<210> 852
<211> 180
<212> DNA
<213> Mus musculus

<400> 852
ggaagaacta ggctcctacg cgcgtgcgag tacaagggca gactctcaaa ggcaggggca 60

gagccagcgc ctgagcgtca ggcagaatct tcacaagtga agcagtagtc ccagcaatga 120

cccagaggga aggaccagaa gaatcctggg atgtgtggag cgcgggacca tcgtcttcat 180

<210> 853
<211> 541

<212> DNA
<213> Mus musculus

<400> 853
gactcaaggg actttcggtg ccggtcgtct caaggaggct cagctgcctg tgattgagaa 60

caaggtgtgc aaccgcgtcg agtatctgaa caacagagtc aaatccacgg agctctgtgc 120

cgggcaactg gctggtggcg tcgacagctg ccagggcgac agtggaggac ctctggtttg 180

cttcgagaag gacaagtaca ttttacaagg agtcacttct tggggtcttg gctgtgctcg 240

ccccaataag cctggtgtct acgttcgtgt ctcacggttt gttgattgga ttgaaaggga 300

gatgaggaat aactgactag gtggaaggcc gagcaaaacc tctgcttact aaagcttact 360

gaatatgggg agagggctta gggtgtttgg aaaaactgac agtaatcaaa ctgggacact 420

acactgaacc acagcttcct gtcgcccctc agcccctccc ctttttttgt attattgtgg 480

gtaaaatttt cctgtctgtg gacttctgga ttttgtgaca atagaccatc actgctgtga 540

c 541

<210> 854
<211> 268
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<400> 854
aatagattgg ttttgatgcc tggttaaaga ttcagtacat ccactgaact ttctcagtgt 60

ctgtacaagt taccatctna ataaaaaaga gatgaataaa ttagtgacag cacaggaaat 120

ttnccttcac tggttctcat gggatcatct ccatccatat ctcgttttct ctgctaattc 180

cttttgagat ctttcgatag taaccacgtt tttgtaattt gaacaaaaat ttttgatgaa 240

aaatgtgagc tcttgtaaca actctagt 268

<210> 855
<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<400> 855
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ctacatgtat gagtttcgnt atcgcccaag cttcgtgtct gacaagagac cccaganggt 120

tgagggtgat catggctgat gaaatcttct ntgtattcgg ggctccanta ttaaaagagg 180

gtgcctcaga agaggaaacc aacctcagca agatggtgat gaaattctgg gccaactttg 240

ctcgaaatgg gaaccctaat ggggaggggc tgcctcactg gccagaatat gatgagnagg 300

aagggtatct acagattgga gccactaccc agcaagccca gagactgaaa gcagaggaag 360

tggctttctg gactgagctc cnggctaaga atccacctga gacagaccct actgaacaca 420

cagaacacaa atgaatggga ggctctgcca gtctcaggac cagcggagcg aaaatggagc 480

tattccacaa aggatgacta 500

<210> 856
<211> 477
<212> DNA
<213> Mus musculus

<400> 856
gttgcttaca gtgctctggg aagccatcgt gaaaaacaat gggttgatca gagctctcct 60

gttcttttgg ataatccagt tcttggctca atggcaaaaa agtacaatcg aactcctgcg 120

ctgattgccc ttcgctacca gctacaacgt ggggttgtgg tcctcgccaa gagtttctct 180

gagaagagga taaaagagaa tatgcaggtt tttgaatttc agttgacttc agaggacatg 240

aaagtcctcg atgacctgaa taaaaatatc cgatacataa gtggttctag ctttaaggac 300

catcctgatt ttccattttg ggatgaatac taactggagg tccattttgt gccttgtgcc 360

agatgtcact gcattggaag agtgtatagg aagagtattc tcaaaatgtg atgattacat 420

atcaccctaa tccaagcttc tgagcaattc tggctctgct gaatctaccc attttaa 477

<210> 857
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(209)
<223> n is a, c, g, or t

<400> 857
aacatcctcc cagtggcaga tggaaaagca cccttcgctc tgcaagtcaa cactctcccn 60

ctaaactttg acaaggcagg agatcacaga acattccaga ttcgcatcaa cgtaagctac 120

actggagaac gacccagctc caacatggtc attgttgatg tgaagatggt atcaggcttc 180

atacctatga agccatccgt gaaaaagnnt ccaagaccag cctaacattc agaggactga 240

agtgaacacc aaccatgttc taatctacat tgaaaagcta accaatcaaa ccctcggttt 300

ctccttcgcg gtggaacaag acatcccagt aaagaactta aaaccagccc ccataaaagt 360

ctatgattat tatgagacag atgaattcac cgttgaagaa tacagtgccc ctttcagtga 420

tggctctgaa caaggaaatg cttaaaagtc ggaacctata gatgtcctca g 471

<210> 858
<211> 341
<212> DNA
<213> Mus musculus

<400> 858
gaacaagctc aagtatggcc agactctcag gcccatctgt ctcccctgca cggagggaac 60

cacacgagcc ttgaggcttc ctcagacagc cacctgcaag cagcacaagg aacagttgct 120

ccctgtgaag gatgtcaaag ctctgtttgt atctgagcaa gggaagagcc tgactcggaa 180

ggaggtgtac atcaagaatg gggacaagaa agccagttgt gagagagatg ctacaaaggc 240

ccaaggctat gagaaggtca aagatgcctc tgaggtggtc actccacggt tcctctgcac 300

aggaggggtg gatccctatg ctgaccccaa cacatgcaaa g 341

<210> 859
<211> 552
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<400> 859
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gtgcagactt gtggcgggtg gagggagata atggcacagg gcatgtggtt cttgagactc 120

attaaaacaa ttcagcttcc atactactca gaaccagtaa agttcagggg aaagaggcag 180

taaagttctg ccaaggggga gtgatacaaa ggggctggca atatcctgtg aacttagctt 240

cttggggctt catcttggcc tattgtgaga atccacagga ctgcagagat tgtaaacacc 300

taggatgagc tttgcctctg gcccttcctc atgatgtcca tgggcctggc catcatggaa 360

gatcgaaaga atccacttca caatcacctt tttccatggt gtcaggaggg agggccccca 420

cccgcactcc acatcctaat gccgtttagg aggtggtttt gctggtggga tagaatcttg 480

ctaagataaa caacaacaac aatttttatt tgtctcaaaa ccatggtttt ctttggattc 540

ctttcatttc ag 552

<210> 860
<211> 433
<212> DNA
<213> Mus musculus

<400> 860
gaccggaagg accatcacca gtgtagaagc tgttctcttg cagcaggtgg ggtggggcct 60

ggaggaaggc aggcatgggg aatcttcatt tcttcccaag gggctcaggg ggtgatcttt 120

tgtgggctgg cacttgtgga cacagttttg gctagaggta ggttaggcaa gtccctaact 180

tagggtccct ccacatttgt aagcagaggc tggagaggcc atctttagac atattccaga 240

caccctgggt gggaaaagga gagacaagtg ttggtctccc aagcttagac tggccttggt 300

gttatacttc atggttggag gctgacctac cctacaagag tgtcccttgc tgaagacatt 360

caggtcccca acctgtgtcc tgtcacccaa gtcacccctc tggtatttgg agatgccaac 420

actgccagga gtc 433

<210> 861
<211> 146
<212> DNA
<213> Mus musculus

<400> 861
gaaggtgaca ataaaatggt gacaactttc aaaggcataa agtccgtgac tgaactcaat 60

ggagacacaa tcaccaatac catgacattg ggcgacattg tctacaagag agtcagcaag 120

agaatttaga caaggctata tttcat 146

<210> 862
<211> 293
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<400> 862
tggtcagctg tggaaaggaa gcctcgnttg ccaccatgaa cttctccggc aagtaccaat 60

tgcagagcca ggnagaactt tgagccattc atgaaggcaa taggtctgcc cgaggacctc 120

atccagaaag ggaaggacat caaggggtg tcagaaatcg tgcatgaagg gaagaaaatc 180

aaactcacca tcacctatgg acccaaagtg gtccgcaatg agttcaccct gggggaggag 240

tgcgaactgg agaccatgac tggggaaaaa gtcaaggcag tcgtcaagct gga 293

<210> 863
<211> 126
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<400> 863
ggtgcccctc caaccaggat gaggctcttc atcgctcttc ctgtcctgat tgtggtcgta 60

gccatgacct tggaaggccc agcccccgcc caggcgnccc cggatttgtc cggaacattg 120

gagagc 126

<210> 864
<211> 505
<212> DNA
<213> Mus musculus

<400> 864
ctttctcttc cccaagaata cacagtttgt gttatgccac tacgtggtgt cccgggatcc 60

cagtgtcttt cctgagccca acagcttcca gcctcaccga tggctgagga agaaagaggc 120

tgataaccct gggatcctac atccattcgg ctctgtgccc ttcggctatg gggttcggtc 180

ttgcctgggt cggaggattg cagaactgga gatgcaactg atgctgtcaa ggctggtaca 240

gaagtatgag attgccctgg ctcccgggat gggagaagta aagactgtgt cccgcatcgt 300

cctggttccc agcaagaagg tgaggctgca ttttctgcag agacagtagt accgagctgg 360

gctcccgcct tcatggagct cgtccagaag ccctggcaca gaagttcttg gccagtctca 420

tgtcacatgt cacgatgtca gattcaacag gagaactctg tgcccttcct atagacacca 480

aatgtctggc acaatctcta ctgag 505

<210> 865
<211> 520
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<400> 865
gggcattaca ctcagtaggc tttgcaaacc cagcttctng gtactcattt ggcaatccta 60

agtagcaaga gtgaggtgac aggagtggga gatggtgtgt ggggtgactg accgcaagcc 120

agtgcttgac cgtgctggaa acccatgcca ctacaacctg gagttgggct cctgttaatt 180

ctcgcagcct ggtgctggct gttacagttg gtccatggag aggaactcct gtctccccag 240

ggttgtcatg agagcttttg ttggaaggga gcaggaggag agcatgatgc agagaacatg 300

tgatggagtg tgtacgtccc tgccagtggt cctgctggtg ggtccagtga tgggaccggg 360

cagagcccct atttccttag agaactctga atccagataa ggaactgagc catccacacg 420

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cagtccctac ctcctgactc tcagggtgga actgactttt 520

<210> 866
<211> 299
<212> DNA
<213> Mus musculus

<400> 866
cagtgatgaa tggatttgcc tctctgccac ccccttacca gctctgcttc attcctctct 60

aaagagatca gactttctgg cccctgctgt gatgccttct acaattgtct caggtcttta 120

tccacatccc tccctatcag ggatatggta tctttcatcc tggcttacag aaccctcttc 180

tctcaagacc cagcaaacac atacagtttc tggagttata gtacaaatgc acttgtattt 240

tctcttttat ataacagttt tctgattcct tgtgctttat gtgtatccat tcttgagta 299

<210> 867
<211> 570
<212> DNA
<213> Mus musculus

<400> 867
gcagctcttc cttgctgtca gaagaaaaag ctttgaagat aactgaagaa ttaagggact 60

ggaatcaatg aactttcaat ttagtttttt ttaatgaggt ggtgatatta tagcatggtt 120

aagctttaat ttacatcttt gattgggctc tggttgaata aacctagggc atagcatatt 180

aatgaagagt gtcatccctg gattccttta tttacaattt tttaaaggtc gaagattttc 240

cccagagaat gacaagtggt tttgacaaca cactctaggc cttctattaa aagcaattct 300

gtagaaatgc aacagggagt tcaactatca atcagcctga tgatggcaaa ttgctctggg 360

ggttgaaatg ggactgtgac cattcttttt ctgtgttcca tatttgctgc gcataaggct 420

tccaaaacaa atcaatgcat agaaacttaa tgataattta taatgattat gtgacttttc 480

atgtgtgtta ttttacaaac taaaatactg gcagaagatg ttattcaaac cctggggcac 540

aatctgtggt tctaattgcc acctagtggc 570

<210> 868
<211> 457
<212> DNA
<213> Mus musculus

<400> 868
aagcagctgt ctgcatttgc tatatgggta cagacagtac ctctaacttg taataacccc 60

aaaggccaca acagcttcca gatctcacta gaaatcagtt acacaggcag ccggccagcc 120

tccaacatgg tgattgctga tgtgaagatg ctatctggtt tcatcccatt gaaaccaaca 180

gtgaaaaagc ttgaaagatt agagcacgtg agcagaacag aagtgagcaa caacaatgtc 240

ttaatatatt tggatcaggt gaccaatcag acactggcct tctccttcat cattcaacaa 300

gatatcccag taaggaacct gcagcctgcc attgtgaaag tctatgacta ctatgagaca 360

gatgaaatgg cttttgctga atacagcagc ccctgcagca cagacaaaca aaatgtttga 420

aactcctatt tgtagacaag gcattgctgg aatcccc 457

<210> 869
<211> 333
<212> DNA
<213> Mus musculus

<400> 869
gtacagacag tacctctaac ttgtaataac cccaaaggcc acaacagctt ccagatctca 60

ctagaaatca gttacacagg cagccggcca gcctccaaca tggtgattgc tgatgtgaag 120

atgctatctg gtttcatccc attgaaacca acagtgaaaa agcttgaaag attagagcac 180

gtgagcagaa cagaagtgag caacaacaat gtcttaatat atttggatca ggtgaccaat 240

cagacactgg ccttctcctt catcattcaa caagatatcc cagtaaggaa cctgcagcct 300

gccattgtga aagtctatga ctactatgag aca 333

<210> 870
<211> 449
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<400> 870
aaggtggagc aggagctcac cccagagctg ctgcaggagt ggctggatga gctgtcagag 60

actatgcttg tggtccacat gccccgcttc cgcaccgagg atggcttcag tctgaaggag 120

cagctgcaag acatgggcct cattgatctc ttcagccctg aaaagtccca actcccaggg 180

atcgttgctg gaggcaggga cgacctctat gtctccgacg cattccacaa agcatttctt 240

gaggtaaatg aggaaggcag tgaagcagca gcgagtactt ctgtcgtgat tactggccgg 300

tcactgaacc ccaatagggt gaccttcaag gccaacaggc ccttcctggt tcttataagg 360

gaagttgcac tgaacactat tatattcatg gggagagtgg ctaatccttg tgtgaacnta 420

aaatattctt aatctttgca ccttttcct 449

<210> 871
<211> 420
<212> DNA
<213> Mus musculus

<400> 871
agaagacgct gttctctgtg ttacctggct tgaagatgac catgaatatg atgggactcc 60

tacagctcag tggcccagac aaagtcacca tcggcctcct gtccctggat gaccctcaga 120

gaggactaat gctgcttttg aatgacaccc agcacttctc caacaacgtt aaaggggagc 180

ttggtcagtt ttaccgggac atcgtctggg agccacccgt cgagccagat aatacaaaac 240

ggacagtcaa agttcaagga gttgactacc tggctaccag agagctcaag ttgagttacc 300

aagaagggtt cccaggagca gagatttcct gctggacagt ggagatatag aactgttagg 360

agcgccactc cctgccatgt tgtcctcgta cgcaggcaga tgacacctta tgccaacagg 420

<210> 872
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<400> 872
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gatcgctgca atcatcatcg cactcaacaa catcctggtc atcctcgtgc ctaccatcaa 120

atacatcttt ggattcatag gggcttcttc tgccactatg ctgattttca ttcttccggc 180

tgcgttttat ctcaagctcg tcaagaaaga acctctaaga tcaccccaga agattggggc 240

tttggtcttc cttgtgactg gaattatttt catgatggga agcatggcgc tcattatact 300

cgactggatc tacaacccgc cgaatcccaa tcaccactaa tcccggggag acgcgtctcc 360

actggaaaca gctgaaattn tctgaaggac attttagttn tcttgattgg gatgttagtc 420

tgaggaatta gcaagattcc aaagacgttt ttctagctct atcatggg 468

<210> 873
<211> 352
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<400> 873
ctgttcctag gccatagtct gccatcatga agctgctcgc aatggtcgca ctgctggtca 60

ccatctgtag cctggaagga gctttggtta agagacaggc ngacggaccn gatatgcaga 120

gcctgttcac tcantacttt cagagcatga ctgantatgg caaagatttg ntggagaagg 180

ccaagacctc agagattcag agccaggnca aggcatactt tgagaagaca cacgagcagc 240

tgacacccct tgtcaggtca gcaggaacta gtctggtgaa cttcttcagc agtttaatga 300

acctngagga gaaaccggct cctgcggcta agtgagatgt gccaggccca gt 352

<210> 874
<211> 478
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<400> 874
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tcctgggttt ctatgtgctg gacagcttcc ggatgtcagc ccggacaaag gggctactgg 120

gacaattctt ctccccactg gattttgaag tatttgacct ccacccaggc tctgacccta 180

caaagacaga tgccacaatg gtggtgaaga atcggcagct gacagtcacc cgagggttgc 240

aaaaagacta cagcaaggac cccagacatg gagcagaagt gccttgctgg tttgtccacg 300

acaatggagc tggactgatt gatggtgttc acactgacta tntcgtctct gacatcttct 360

gagccctcca gctaacacag cagcctttgc ctggaacggc ctatgaagga ggagaggaga 420

gcagagcatc agattaactc caccttcctg agcatactgg tccctgtgtc aagacatc 478

<210> 875
<211> 130
<212> DNA
<213> Mus musculus

<400> 875

agtgcccaat ggacagccca ggcctagaaa ccttggtgtc tttccttttc cggttgcccc 60

ctacccctac cagctctgtg ctgtgatgcg tgagcaagga cactaattcc agtcatggta 120

ggcagggcag 130

<210> 876
<211> 434
<212> DNA
<213> Mus musculus

<400> 876
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catcccaacg gaatgaggat ctttttctat gacgcagaga atcctcccgg ctcagaggtg 120

cttcgaatcc agaacatttt atccgaagac cccaaaataa ctgtagttta tgcagagaat 180

ggtaccgtcc tgcaaggcac cacggtcgcc tctgtgtaca aagggaaact gctgattggc 240

actgtgttcc acaaagctct ttactgtgat ctgtgacaag ccagctgcac gcacgtcatc 300

gaaagtgagg ccattatttc aatcctttgc catactgtaa ggtgcctacc acagtgatct 360

ctgctaacta atgaatgctg accttagtct cagacataag aaggtatgag agtttcctgg 420

caatagatcc taac 434

<210> 877
<211> 562
<212> DNA
<213> Mus musculus

<400> 877
acctaggcac agctttgtat tacgccatta agaactgctc tgacaaggcc aaggaacgag 60

gtcgagatgg ggccatagat ctgggttatg atctcttgat ggccatggta ggcgcgtcag 120

ggggcccagc tggtgcggtg atcacggctg ctcttaagcc agcgatgaag gctggggttc 180

agcggctgat ccagtattat tatgatgaga aagaggtgac cacccctcag ccagaggtga 240

ccacccatca gccagagacc ggaaaggatg ccaccacaga tatcggtgtt gtggaagaaa 300

tagccatgtc taattttgtg tcagaagttg aaagtacaac ttctaactgg gagtggcctt 360

tattaaagaa ctatggtgtc ttggcgtaca agagatagta acaaaacaac caataagtgg 420

aaaattctga caagagaagt gtagatggat ggatgggtgg gtggatggtt tgggatactg 480

tcatcgcttg ccagtaattt ccttcttgaa acttagattt ttacactcta atggggctgg 540

ctaacttcca cctgaacaag tg 562

<210> 878
<211> 438
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<400> 878
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agtatgtggt acctccaggg accaagtgtg agatcgcagg ctggggtgaa tccatcggta 120

caagcaataa cacagtcctt catgtggcct cgatgaatgt catctccaac caggaatgta 180

acacgaagta ccgaggacac atacaagaga gtgagatatg cacccaggga nctggtggtc 240

cctgtggggg cttgtgaggg tgactacggg gncccacttn cctgctatac ccatgactgc 300

tggntcctac agggacttat catcccgaac agagtgtgtg cacgnccccn ctgnccagct 360

atcttcacac gggtgtctgt gtttcgtgga ctggattaac aaggtcatgc agctggagta 420

ggcctgcttt tgagccct 438

<210> 879
<211> 469
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<400> 879
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ggctctcctg gcatctgccc gnagctgaag aggtagaggg atccttgctg ctgggctctg 120

tncagggcta catggaacaa gcctccaaga cggtccagga tgcgctaagt agcgtgcagg 180

agtccgatat agctgtggtg gccaggggct ggatggacaa tcacttcaga tncctgaaag 240

gctactggag caagtttact gacaagttca ccggcttctg ggattctaac cctgaggacc 300

aaccaactcc agctattgag tcgtgagact tctgtgttgc agatgtgcct gttcctccat 360

cctgctgccc ccctccaggc ctgccaggtg gcccctgaag gttgctttaa ggggaaagta 420

tgttctcatg tcttcacccc tccctagatc tcacctaaac atgctgtcc 469

<210> 880
<211> 367
<212> DNA
<213> Mus musculus

<400> 880
gctgctgatg gattacgcgg gcaacgccag tgctgtcttc ctcctgcccg aagatgggaa 60

gatgcagcat ctggagcaaa ctctcaacaa ggagctcatc tctaagatcc tgctaaacag 120

gcgcagaagg ttagtccaga tccatatccc cagactgtcc atctctggag actataactt 180

gaagacactc atgagtccac tgggcatcac ccggatcttc aacaatgggg ctgacctctc 240

tggaatcaca gaggagaatg ctcccctgaa gctcagcaag gctgtgcata aggctgtgct 300

gaccatcgat gagacaggaa cagaagctgc agcagctaca gtctttgaag ccgttcctat 360

gtctatg 367

<210> 881
<211> 565
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (143)..(154)
<223> n is a, c, g, or t

<400> 881
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gtatctactg gagaggtgga gtgtgttttg tctagcctag acttcctaga ggaagtcaat 120

gtctatggtg tgcctgtgcc agnnnnnnnn nnnnggtgtg agggtaaggt tggcatggct 180

gctgtgaaac tggctcctgg gaagactttt gatgggcaga agctatacca gcatgtccgc 240

tcctggctcc ctgcctatgc cacacctcat ttcatccgta tccaggattc cctggagatc 300

acaaacacct acaagctggt aaagtcacgg ctggtgcgtg agggttttga tgtggggatc 360

attgctgacc ccctctacat actggacaac aaggcccaga ccttccggag tctgatgcca 420

gatgtgtacc aggctgtgtg tgaaggaacc tggaatctct gaccacctag ccaactggaa 480

ggcaatccaa aagtgtagag attgacacta gtcagcttca caaagttgtc cgggttccag 540

atgcccatgg cccagtagta cttag 565

<210> 882
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(43)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<400> 882
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caacaggaaa aagaatatgg tggtgtcctt tggagatggg attagctttg tgatcatcct 120

acaccaggtt tggaagaaac atccagttca ccaggacttc ctagggttct acgtggtgga 180

cagtcaccgg atgtcagcac agacacatgg gctgctgggc cagttcttcc aacccctttga 240

ctttaaagtg tttggcatcc gcccaggctc tgaccctaca aagccagatg ccacaatggt 300

ggtgaagaat catcggttga ctgtcacaag gggctcccag aaagattaca ggaaggatgc 360

cagtgttggc accaaggtca tctgctggtt tgtccataac aatggagaag gactaattga 420

tggtgtccat accgactata ttgttcccag cttgttctga gtagcat   467

<210> 883
<211> 465
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<400> 883
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acaaccactc cgctggagaa ggtgtacgac ctggtgcgct ccgtagtaag gccctggata 120

aaagatcgct tcatggcccc ggacattgag gcagcacaca ggttgcttct tgaccaaaag 180

gtttgggagg ttgccgcacc gtacatcgag aaatacagaa tggagcacat tccggaatcc 240

agaccgcttt ctccaacagc gttttcacta gaatctctcc gaaagaactc agccacaatc 300

ccagagtctg acgatcttta acgggcttcc tcgaggacag gcacatcaga tgggcctgag 360

cttagcacag cactggtgtg ttgatggaga gagantctca ggaactgcct gtaatgtgta 420

aaactcatct cttttcaaac atactctgga taggccatgg cagca   465

<210> 884
<211> 548
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<400> 884
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ctcaacagga aaacggatat gtgcaggaga aggcctggca cgcatggagc tgttcctatt 120

cctaaccagc attttacaga acttncaacc tgaaacctct ggttcaccca aaggacatag 180

atgtaacccc aatgctcatt ggattggcct cagtgcctcc tgctttccag ctctgcttca 240

ttccttcctg aaaatcaaat gcctggctcc agctgggaca tcttctgtga tcaccctgag 300

gctttaattc actactttcc acactggaca cactgctttt tatccatttc ttttgcctgc 360

tcataatttc ataaggttct atgaacatac atttaccaat ttgcagatcc tgcacaaata 420

tttctgactg gtcctatttt ctgaaacact gttaccatat gctgtgatga tatggacctg 480

attccaagtt aaatatactc tcataaaatt gaaattacta ttgtaagata attcactgtc 540

gcttctct 548

<210> 885
<211> 241
<212> DNA
<213> Mus musculus

<400> 885
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ttaatggcag tggtctgggc acctgatgta gtttggggac actctgtatt cctgttttca 120

ttctaacaaa gaggacagag ctattttgct atgataatct ctgtggttta tgataataat 180

ctgaacagca aacagtgcca ttaagtgcac agatgttaat gcaactaatg gttgtgccag 240

c 241

<210> 886
<211> 411
<212> DNA
<213> Mus musculus

<400> 886
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gtctcccttt ctgtgctgtt cttggtcagc tttgtagcat ccatgtctac agaaagcctg 120

agccccacgc ctggccctga gagcagccgc tggagcctgg taagggccag ggtgttggag 180

atggtggagc cactggtgac cagaaccagg gacagatggc agtggttctg gggccctgga 240

gctgtccagg gctttatgca gacctactat gaagatcacc tgaaagacct gggtccccga 300

actcaggcct ggctgcagag ctccagagac cacctcctaa acaagaccca cagcctgtgt 360

cccagactgc tctgcaaaga ccggactcag ggttaaagtg ccacgtacct c 411

<210> 887
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

<400> 887
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ataaccaaaa agtctactca ctcaggtggg gcgaagttga tctaataggc aactgctctc 120

agttttaccc agatcgctac tatgagaaag agatgcagtg cgcaggtacg cgtgatgggt 180

ccattgatgc ctgcaaagga gactccggag gccccttggt ctgtgaggat atcaacaatg 240

tcacttacgt ttggggcatt gtgagctggg gagaaaattg tgggaagccc gagttcccag 300

gtgtttacac cagagtggcc aattattttg attggattag ctatcacgta ggaaggtctc 360

ttgtttctca acacaatgtc tgaagctatg acctccttct ttctacattt attcttttag 420

gagttacatt ttaattgaaa tgaaactgta tagttagttc tcctcagagc ntggcaagaa 480

ngcaactcct actggctagt cctaaagt 508

<210> 888
<211> 272
<212> DNA
<213> Mus musculus

<400> 888
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ttgagctccg agatacaggc agatacggat tcttgctgcc tgagagatac atcaaaccca 120

cttgtgcaga agctttggcc gccatctcta aaatagtttg gcatgtcatc aggaacactt 180

aatgccctaa cctccgctct cattattttt attttattga tttcagcaac acttaactgt 240

tgcattagct tctaagttga atcagtttcc tt 272

<210> 889
<211> 549
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (66)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<400> 889
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agtgannana angtnggana nagaagtatt ttgtgagcag tgttaaaaag atgagccttg 120

acagagtgaa ggccctgtgc tccgaattcc agggctctgt ggccactccc aggaatgctg 180

aggaaaactc ggccatccag aaagtggcca aagatattgc ctacttgggc atcacagatg 240

tgagggttga aggcagtttt gaggatctga caggaaacag agtgcgctat actaattgga 300

atgatgggga gcccaacaac acgggcgatg gggaagactg tgtggtgatc ttgggaaatg 360

gcaagtggaa cgatgtcccc tgctctgact ctttttggc aatctgtgaa ttctctgact 420

gagggtgctt gtttctcagc cctccttgat tctttagggt actcctgacg tccgcagttt 480

gttctgaaaa ataaaatatg ggaaaatata aacaattcaa cattggttac ccaatgcatt 540

ctcttgtga 549

<210> 890
<211> 318
<212> DNA
<213> Mus musculus

<400> 890
catcctcatg gacatgactt ccttgactat ggaccttgtg acccgccctc caatagtcaa 60

gaactcaaag gtcagtatca tcggggctat ggtccaccac atggacactc aagaaaaaga 120

ggtccaggca aaggactctt tcctttccac caccaacaaa ttggatatgt ctaccgactc 180

cctccactga atataggtga agttctcact cttcctgaag ccaatttccc cagcttctct 240

ttgccaaatt gcaacagatc cctacaacca gagattcagc ccttccctca gacagcctcc 300

aggtcatgtc cagggaaa 318

<210> 891
<211> 484
<212> DNA
<213> Mus musculus

<400> 891
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cggctacaac tggagggaca tcgtcagcta tgtgctggac cacttcagca ttgaaatctc 120

tgggggtctt gggcccactg aggagagggt gctacggatt ggcctcctgg gctacaacgc 180

caccactgag aatgtggacc gtgtggccga ggccctgagg gaggccctgc agcattgtcc 240

taagaacaag ttgtgagcat cctctcacca gactatgccc tcctggaggg gctgggaata 300

tagcaagaac gaaaagactg tgcaaggcct agagccagca aagatgctga tgtagccagg 360

ccatgccgga aggagcaggg tgaagcttcc cctctcccta caaatggaac cttgtggaaa 420

caggatgcta aacaccttct gatggagctg ttgcctgcag gcgcactggt ctttgggaat 480

tttc 484

<210> 892
<211> 487
<212> DNA
<213> Mus musculus

<400> 892
agacgccaag attcccgttg aagatcgagt atacctcgtt gctcagcttg cagtcgtttt 60

aaagcgtatt tttgtgaacc ttgtgtggga atattttcag acctattttg gatagacacg 120

gcctcctagg catggaatga actttctcat agccctttag taggtgtgca cacagcagct 180

gcccacggtg tgtagctaga cgctggctgc attttacaaa ttcatacatt gtcttccttt 240

gatcctaatg tgtgaagaca cttgatatga cttcagtctt tcagtttcta aatgctatgg 300

gtattgcaat ttccctcttt aatacttttt aattccttgc ttaatgcttt ttaatttccc 360

agctgaattc tgggccttgg ttgtattcat attgttttgg gatattaagg aaaggaaggt 420

ttgttgtttt gttttgtttt gtttttgaga cagggtctgc ctgggtaact ctgtctatct 480

tggaact 487

<210> 893
<211> 501
<212> DNA
<213> Mus musculus

<400> 893
aaacctgtac ccttcagtga ctatattcac cccgtgtgtt tgccagacaa gcagacagta 60

accagcttgc tccgggctgg ttataaaggg cgggtgacag gctggggcaa ccttcgggag 120

acatggacaa ccaacatcaa tgagatacag cccagcgtcc tgcaggtggt gaacctgccc 180

attgtagagc ggccagtgtg caaggcctcc acccggattc gaattactga caacatgttc 240

tgtgctggct tcaaggtgaa tgacaccaag cgaggagatg cttgtgaagg tgacagtgga 300

ggacctttg tcatgaagag ccccttaac aaccgctggt atcaaatggg tattgtctca 360

tggggtgaag gatgtgaccg gaaggggaaa tacggcttct acacgcatgt gttccgtctg 420

aaaaggtgga tacagaaagt cattgatcaa tttggatagg tgtgtgggtg ggtaaaggac 480

ctacactatg gaatcctcat t 501

<210> 894
<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<400> 894
gtttcagagg gacacctacg actatgatat cgccgtgctg aggctgaaga ctcccatcac 60

gttccggatg aacgtggccc ctgcctgcct gcctcagaaa gactgggccg agtccacact 120

gatgacacag aagacgggca tcgtgagcgg gtttggacgc acgcatgaga agggccgcca 180

gtcgaacatc ctgaagatgc tggaggtacc ctacgtggat cgcaacacct gcaagctctc 240

caccagcttc agcatcacac agaatatgtt ctgtgcgggc tatgaggcca anttagagga 300

tncctgccag ggggacagtg gtggccccca tntcacacgg ttcaaaaata cctactatgt 360

gaccggcatt ntcagctggg gagaggggtg tncaaggaaa gggaaatatg gcatntacac 420

aaagntcacg accttcctca agtggattga 450

<210> 895
<211> 562
<212> DNA
<213> Mus musculus

<400> 895
ggttctttgc cctcagcgag atgaagacct ttgtccttct tatgattatg tacttcgact 60

tcaagctggt cgaccccgac atacctgtgc cccccattga cccaaggcgc tggggctttg 120

gcacctcaca gcctagccat gaggtacgct tcctctatcg cctgaagccc gtgcagtgag 180

ctcaggtctg agcataccct gcagcccaga gcagcactga atacccatcc tctggctctg 240

aggcactcct tcctctcccc agctctcaga gatctgtcat gctccccata agacgccatc 300

cctccagcgg tctctgcctg accctcctct caggaggaac acatgtggtc agctcagttt 360

acaactgatg gctcacccac acttgactca tcctggaggg cagaccagct cccgtgagtc 420

agatggcatc ttgcaaatgc tgcctcaacc catccagcct gccttactcg atgcccttac 480

tccaaatcct accagctcag actccaggga tgttgctcaa tggaatcgag ccatgtgtgc 540

gactgttaat ttcccactag at 562

<210> 896
<211> 244
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<400> 896
agctgcacag gagcattctt ggaaggagat acagaaattt ctcaagcagc atctccttcc 60

agatttgagc agtcagctct gagtggactt gattatattc ctggaaagtg gagctgggca 120

tctcctggcc agcaccactc ctcacttcca tagaggaatg tctttgatct cttatctggc 180

aaggaaggag agtaccacaa gaanatacag gaggatggag agtgataacg tcttgaattt 240

ggaa 244

<210> 897
<211> 115
<212> DNA
<213> Mus musculus

<400> 897
tgtcttcctt ctgcccgaat gatgggaaga tgcagcatct ggagcaaact ctcagcaagg 60

agctcatctc tcaagttcct gctaaacagg cgcagaagcg ttagctccag atcca 115

<210> 898
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<400> 898
gaatacagcc tatacatcgg acaatcaaaa gtcacagtcc gtggtatgga agaatacctt 60

tctccagtac acctatgtac cacttgggag tcctcctctg gcattgttga attttgggtc 120

aatggaaagc cttgggtaaa aaagtctctg cagagggaat acactgtgaa agccccaccc 180

agtatagtcc tgggacagga gcaggataac tanggaggag ggtttcaaag gtcacagtcc 240

tttgtaggag agttttcaga tttatacatg tgggactatg tgctgacccc acaagacatt 300

ctatttgtgt acagagattc ccctgtcaat cctaatattt tgaattggca ggctcttaac 360

tatgaaataa atggctacgt agtcatcagg ccccgtgtct gggattgaga tcttacaaca 420

aaacctcatg gacatcagat ggccgatgtg taagaggtca aggcngcaga nttcactcta 480

tctggagctt tttcttcttt gtgaacatct tgtatacata tctgcca 527

<210> 899
<211> 238
<212> DNA
<213> Mus musculus

<400> 899
gggatcctca ggctatcatt acctgcgttc aactgtgagc gacaggtaca aggtttttgt 60

ggatttattt aacctctcaa catatctggt tcccagacac tgggtaccaa agatgaatcc 120

gatcattcac aaattccttt acacagccga gtacagtgac agctcttact tcagcagcga 180

tgaatcggat tgagttcttc tgaacatcag tgaaaactac aggattctca gtcggctt 238

<210> 900
<211> 180
<212> DNA
<213> Mus musculus

<400> 900
ctgctttcca cactggaaac actgactttt atccagttct tttgcctcct cataatttca 60

taaggttcta tgaacaaaca tttaccaatt tgcagattct gcacaaatat ttctgacagt 120

tcctattttc taaaacactg ttaccatatg ctgtggtgat atgtacctga tcccaagtta 180

<210> 901
<211> 76
<212> DNA
<213> Mus musculus

<400> 901
agcaagtgac cagtgacttc acccgtgtcc tagacagaca agataggagc ccagcttcga 60

gtggagaagc cagcga 76

<210> 902
<211> 449
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<400> 902
aactgcgctg ggaatggacg acacagagac cccagagccc cacctgggcc tgtggtactt 60

tattgcggga ncagcctccc accacggaag agttggcaac ttttgatccg gtggacaata 120

ttgtcttcaa catggctgcc ggctctgccc caaggcagct ccagcttcgt gctaccatcc 180

gcacgaaaag tggggtctgt gtgccccgga agtggacata ccgattgact gaagggaaag 240

gaaacatgga actcagaact gaagggcgcc cagacatgaa aacagacctg ttctccagct 300

cgtgcccagg aggaatcatg ctgaaagaga cgggccaggg ctaccagcgc tttctcctct 360

acaatcggtc accacaccct ccagagaagt gtgtggagga attccagtnt ctgacctctt 420

gcttggactt caaagccttc ttagtgact 449

<210> 903
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (452)..(452)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

<400> 903
gctccttcaa gaagcgtctt cgaagactca tcacaccaga ccccagtctg ccccagccag 60

ggcggcgccc accacaggat ggctcctctg ctcaaaactg ttcgtcctct ccagccaaac 120

aagaactcat tgcctgggag aaggagactc atttgtagga agtgccagag gccaggtgac 180

tccagagcca ggaacctggt caaggctagc tcctcccagg ggtaacctct gctgcaccct 240

gctgtgacct ctcaggtctc cggacacccc tgccantctt ctgggagcca ctnttctgtt 300

cagctggaac agcttgtcac ctctcagtcc tttccaagtg agctctagga agctgantct 360

nccaagtgtt ttgaactnaa catcttgact ttntggatta aaaaactaag aaccagacag 420

gcaaagtgat attttcaagg tcacacagcc tntcagagcc ctagaccttc cttgaacttg 480

ctgntctcag ctgaggcgtg tgagcctcca gca 513

<210> 904
<211> 325
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<400> 904
gaatcctacg gacagcagtt ttttgacgac ttttgcagca ccaccaaacg agagttgatg 60

aagtgtagca ggaacctgag cctagtcacg gactgcatgg agcacgccct gacctccacg 120

catcctcgca cccggtactc ggctggntgg gatgccaagt ttttcttcat ccctctatct 180

tatttgcctg cgtcactggt agactactta ttggccatat ctaggggcaa gccagctcaa 240

gcagcctgaa ggatcccgga ttggtggctg ttggaatgaa gaaatgactc agttattccc 300

aacactagct atctgcgcag acacg 325

<210> 905
<211> 367
<212> DNA
<213> Mus musculus

<400> 905
gacacatgca ttttctttgc acatgttgta ccaaacattg agaataaaaa aaaaagaaat 60

ttaagaaaat tagtctataa ttatcagaaa acttacctta gaatgcattt ttaacagcta 120

tgcaaatgaa ttggaagacc cacattgact gaagaaagct aagagcaatg aataagtaag 180

ccttcactcc ggaggccttt cagttctgag ataagtgtgt gccagacact ggctggtaga 240

ggacatcagc agtcaactcc accactgtct tgtttttttc ttttgttttg gatgtgagat 300

atatagatat aggagatata ggtagatata gatttagata tatggatctc tctctacata 360

tatatat 367

<210> 906
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (32)..(32)
<223> n is a, c, g, or t

<400> 906
gctcagctca ggttctaact agtcttggcc ancactacct aagaagtggc gatcgcatca 60

ctctttcttg gctttattct cattgtcttt tgatcgaaac aaaagtctgc tttccgctct 120

agaagggaag caagacacaa catcactgag cgggagtaaa tgaattggtt ccctcataaa 180

gcaaaggcat tcttctagag aaggccagtc tggtttgtag ggacgagaag gcacggatga 240

agacggagat tctagtcata cgggagcaac tgctatgcca aagccaggtc cctaggcgga 300

agactaactc cacaggagca gagaaagaaa cgtggggagg atggatggag cctgtgggat 360

ggaggatgag gaacttggga ttcatcctgc tcttgtcaca tgttgtcaca tgttgccact 420

ttcagagtgt ggcatacttc actatattgg cccatctg 458

<210> 907
<211> 363
<212> DNA
<213> Mus musculus

<400> 907
gtcctccatg ctgaaagatg agtctgtctg ggagaagccc ctccgcttcc atcctgaaca 60

cttcctggat gcccagggcc actttgtgaa gcctgaggcc ttcatgccat tctcagcagg 120

ccgcagatca tgcctggggg aggccctggc ccgcatggag cttttcctct tcttcacctg 180

cctcctgcag cgctttagct tctcagtgcc tgatggacag ccccagccca gcaactctgg 240

agtctatggt attcttgttg ccccctctcc ctaccagctc tgtgctgtgg tacgagacca 300

aggacactaa ttccagacat gctctgtagg gcagtttcct gccatgtata ataaactagt 360

ctt 363

<210> 908
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<400> 908
tcagaaatcg gcctgacttt tcctcccaag gtgctgggat taaaggcgtg caccaacact 60

gcctgctgat tttattgctt agaaatgcac atgaatatta ctgctacagt ttcaacttcc 120

atttgaagta tcaactcatt tcttctcata aatataaact ttttagttat atggtgatca 180

atttgtaact ttaaagacaa ttgccaaaat gcaaaagcag taatacaaaa ctcctaatcc 240

aaaatatgat atgtccaagg acaaactatg tcaaacaaga aaatttgatg taagtttttc 300

agcattgttt ttctattcag nacttcctca gattttcctg gataccttt gatgtaacgt 360

tttgatttat aatgaatgaa cgatatattg actcattctt caaatttagt attatttctg 420

aatcatgtaa caaccaaact atcatatatt atagtactaa tgcatataat taaaaactat 480

ctaatacttt catatcaa 498

<210> 909
<211> 490
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<400> 909
ggctgtggac agtactctgc tcaaagaacc caaaggcatc acccaggtgt ggacgtcctg 60

tgctcggatg gatctgtggt gtatgcacca ttcactggga agatagtggg ccaggagaaa 120

ccctatagaa acaaaaatgc catcaatgat ggcattcgac tgtctggaag aggtttttgt 180

gtcaaaattt tctacattaa gccaattaag tataaaggtt ctatcaaaaa gggggagaag 240

ctgggcacct tgctgcccct gcagaaantt tacccgggca tccagtcgca tgtacacgtt 300

gaaaactgcg actccagtga ccccacagca tacctgtaag cagagacaaa ggccagatct 360

tctaaattca aagccatctc agaaactggg acatgccctg ctcccgaaga aacgtgcatt 420

ctaacagaaa cataaatctg tgtaaacact cacaaccctg attccaagtc atcaccgctc 480

tgacgggtgg 490

<210> 910
<211> 511
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<400> 910
tgactccctg catatctgcc aaagacatcg tgtacattgg cttgcgagac gtagaccctg 60

gggaacacta tataantaaa aanctctggg aattaagtat ttctccatga ctgaagtaga 120

caagctgggg attggcaagg tgatggaaga gaccttcagc tacctgctgg gaaggaagaa 180

aaggccgatt cacctgagct ttgatgtcga ngggctggac ccagcattca ccccggcgac 240

cggcaccccg gttctgggag gcctatctta cagagaaggt ctctacatca cagaagaaat 300

ttacaagaca gggctccttt caggactaga tatcatggaa gtgaacccaa ctcttgggaa 360

gacagcagag gaggtgaaga gtactgtgaa cacggcagtg gctttaacct tggcttgtct 420

tcggaactca acgggagggt aaccataagc cagggactga ctaccttaaa ccacctaagt 480

gactgtgaat gcgccacatg aaaaccatct g 511

<210> 911
<211> 493
<212> DNA
<213> Mus musculus

<400> 911
gccgttgcaa cactctgggt tatgacatcc gcaaggaccg gtcaggcaag agcaagaggc 60

tcttcctcat cacgcgagcc cagtctccct tcaaagttta tcattaccag ttcaagatcc 120

agttcatcaa tcaaattgag aagccggtag agcctacttt taccatgtcg ctgctgggaa 180

caaaagaaga aataaagaga attcccatca ccctgggcga aggaattacc agcaataaaa 240

cctattcctt ccttatcaca ctggacaaag acatcggcga gttgatcctg ctcaagttca 300

agtgggaaaa cagtgcagtg tgggccaatg tgtggaacac agtgcagacc atcatgctat 360

ggggcataga acctcaccac tctggcctca ttctgaagac catctgggtc aaagctggag 420

agacgcagca aagaatgaca ttttgccccg aaaatctgga tgacctccag cttcacccga 480

gccaggagaa agt 493

<210> 912

<211> 330
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<400> 912
ttgttatgcg ccacaaaaga gccaagcacc tgagaccact tggacataac cttacctggt 60

accagtacca ctctctggat gtgattggat tcctactctc ttgtgtggca accactatag 120

tccttagtgt aaagtgcctc ttgttcattt accgattctt tgtaaagaaa gaaaataaaa 180

tgaagaatga gtagagctca ctgacnatga actacatgna caaactttca ncctcattct 240

natttatgaa ccaccttcta aacacttgac ttgattcttt tctaataaag gcacatcttc 300

tttgtaaatt tttaccatat aagaagacat 330

<210> 913
<211> 534
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (318)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<400> 913
agcacaggag ccagtttcat atttggatag gtcttaccga cagggatggc tcctggaaat 60

gggtggatgg aactgattat agaagcaact acaggaattg ggccttcact cagccagata 120

actggcaggg ccatgaacag ggtggaggtg aagactgtgc tgaaatcctg tcagatggcc 180

attggaatga caacttctgc cagcaggtga accgctgggt atgcgaaaag agacggaaca 240

tcacccacta ggagtcggct cgaccaatcc cccaccccgc ccccaccccc acatccccca 300

ctaggagtct gctcaatnna tgcctntncc ctacctccag ccccacacca ccccaacatc 360

ctncactggg gatactggag caaggaagag agacagggtc ccaagcatga ggaggggtta 420

tggaaaactg gaaagggcat ggctctatgg tctcatacct taggaagact gagaatcccc 480

ccttctgcac aatttattgc aattgttata aatttcggcc ttctgaatgg agta 534

<210> 914
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)

<223> n is a, c, g, or t

<400> 914
aagagaaagc ttccatcttt gtgataatga tcagtatgct ggntccgatg ttgtcaacgc 60

ctttgtttct aaatgttgct tgaagaaaat ccatgaatac atgggtacaa taagacacaa 120

tttcatatct tagataatca tgaaaaatga aaatattcca agtgagtaaa gatgtaacag 180

aattgctaga gccacatatg gtcagtgaag cacaaagatg cctttagaag gaactagaaa 240

cagggttcga gagtcataag agtgattgtg ccacatgacc tcatcctttg ggaatttttc 300

ctgaattatg cacccacagc tgttnttaga agtatataan agactaaaat gtaactagca 360

gacatctatt tgtgtagaag aagttnagga gggcagagaa tataaatatt aattnatatt 420

aattctcaga aaatttcaaa ttcacatttt aaacaagtac cagtgtttag gcagttttat 480

aatgttataa ttgataaaat aaaacttatt aaaatatgat ttcatttgct gttcaaa 537

<210> 915
<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<400> 915
tatcactcag tgctgctctc ggtaggagct ggtccctgtc tccatcaagg acttggtgac 60

agagagcatg gagtcctcct tagggcagag ggttgtcttt tgcatttggg aaagctcctt 120

gtacagagtc tgctctgtaa tctggactca actgtttgag ccagctcaag gtcaagagct 180

aagaacttaa ggctactggt agtttttaat ttaaaaagtt tgcttgtttn tctataggga 240

agcaaatgtc tttacctctg acacccgtga gtagggagag gaacacgttt ccattctgga 300

atctcccagg ctcagggagg ccaaaggtga gctaaggaga agtagaggtt gacagtcagg 360

ggtactgatt tgctcagggt gctattgtca cgatacacta cagtggatct gccagtgtgg 420

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cccttactcc taggaaatct 500

<210> 916
<211> 529
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<400> 916
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tctggtggta tttgtgatga agagaaggag aaacacaggn tagaaaaaga ggggactatg 120

ctcccgctcc agtgtgaaga cacctgactg gagtggactg agtgacaacc agtgtgttca 180

ggtctctcct gtgacatcca gagccctcag ttctctttag acaacagtgt ctgatgttct 240

ctgtgttcct gtgggctcaa tgtgaagaac tgtgtagccc agcctgccct gcacaccagg 300

accctgtccc tgcattgctt gctcccttct acagtcagcc ttccaactcc agccaaacac 360

tgggagacat ctgcatcctg tgagctccac gctaccctaa gctgcagctc ctcacttcca 420

cactgagaat aagaatctgg atgtgaactt tattgttcat atccttgatc tgagggttga 480

ttgacaggta aactaaagaa ttaagaatac ttagagtttg tggaggaaa 529

<210> 917
<211> 533
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(417)
<223> n is a, c, g, or t

<400> 917
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gtagcatgct gaagntgaaa gatactgacc tcactgttca ttaacctgtc ttctgtttag 120

atttccttaa gacagtggct cttacagttt gcacttggct ttgaaatgct ggaaatgccc 180

agagaaacat gaggtntgga tttgccatgt tgagaaaata gcaccaggta gaattgaaat 240

ggatggntgg taatttgtga ttttttttct agaaactttt catttttaa caccctattt 300

ttttgaaggt agatttttag ctatatatca cacgtctgaa tatgtctgga tgtttngtgg 360

cactcattgc atttganagg gatgtgtcta gtccagttgg gaccacatgg agctnnnttt 420

acttttttgaa cctttggtct cctcattctc attttaaaat aagtgttgac ttcctaattc 480

ctcttgaatc ttttttgatt ttctcacttt tcctcattta tagtcacatt cag 533

<210> 918
<211> 498
<212> DNA
<213> Mus musculus

<400> 918
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cttctcaagg gagcggctgt ggaaatattg catatctcac tcaacactac gttctgtctt 120

caaacagaga atttcttctg tgggcctctt tgctacaaga tggaggacgc agtccatgca 180

gggttccagt acgagttttt ggagtcgatc ctccacttcc ataaaaacct gaaaggactg 240

catctccagg agcctgagta tgtgctcatg gctgccacgg ccctcttctc ccctggtttc 300

tgtatgcaaa gctgatgggc ctgctggctg acctccggag tataaacaat gcatactcct 360

atgaacttca gcgcttggag gaactgtctg ctatgacgcc gctgctcggg gagatttgca 420

gttgaggccc aggcttgcat cctttcccca gacccccagg gatacactgg cctggaaagg 480

gtacagcgct ggacccca 498

<210> 919
<211> 528
<212> DNA
<213> Mus musculus

<400> 919
aaaccaacag ttgcgcgatc ctgtcacctc acgttcagcc tgtgtgtcta cccagcggcg 60

cggccccacc ctctgagaca gtgctctgcg aggtggccgg ctggggtcac cagttcgagg 120

gggctgaaga atactccacc ttcctgcagg aggcacaggt tcccttatc gccctggatc 180

gctgctccaa ctctaacgtg cacggagacg ccattctccc tgggatgctt tgcgctggct 240

tcttggaggg aggcaccgat gcctgccagg gtgactccgg gggccctctg gtgtgtgagg 300

aaggaactgc agaacatcag ctcaccctgc gcggagtcat cagctggggc tccggctgtg 360

gtgaccgcaa caagcccgga gtctacacag acgtggccaa ctacctggct tggatccaga 420

agcatattgc ttcataacta accaggcttt atccttccct ccttgtgtgc tccttgggat 480

gggacgatga atgtggcatg ctgggtcaca gtgaagctag tgccccga 528

<210> 920
<211> 525
<212> DNA
<213> Mus musculus

<400> 920
cggctgccac ttggattctt atatgtgcat cacacatacg tgccagcgcc accctgcacc 60

accttccaga gctgcgccgc cgatatgcgc tccatgcagc gtttccacca ggatgtgcgc 120

aagtgggatg acatcggcta cagtttcgtg gtaggctccg acggctatct gtaccagggc 180

cgtggctggc actgggtagg tgcgcacaca cgcggctaca actcccgcgg cttcggtgtg 240

gccttcgtgg gcaactacac tgggtcactg cccaacgaag ctgcgctgaa cacggtgcgc 300

gacgcgctcc cgagctgcgc aattcgcgca ggtctcttgc ggccagacta caagctgctt 360

ggccaccgcc agctagtgct cacccactgc cccgggaacg cgctcttcaa cttgctgcgc 420

acctggcctc acttcacaga ggttgaaaac taagaactcc tttgagagac ccttgaagat 480

ccaggaggta ttatccctga tgatcctttg agcaaccaca gacct 525

<210> 921
<211> 158
<212> DNA
<213> Mus musculus

<400> 921
agcgtcttca agctttccaa ggttaccagg ttacgatgaa gactgccaaa gtggctgcgt 60

ctgactggac atttttacac tgtttgccta gaaagccaga agaagtggat gatgaagtat 120

tttattctcc acggtcatta gtgttcccag aggcagag 158

<210> 922
<211> 467
<212> DNA
<213> Mus musculus

<400> 922
agcgtgttta ccatttccta taagaaagct cagcgcgatc taggctatca gccacttgtc 60

agctgggagg aagccaagca aaaaacctca gagtggattg gaacactagt gaagcagcac 120

agggagacac tacacaaaaa gtcacagtga tatgtggagg gcgaggacat ggccctgggt 180

gttatcaggt cctccagaga gggacttaga aacaactcaa ctcttatcaa ttccatttta 240

tgcactgtcc aacttgtctt tgggtcacta gcaaccttgc aagtcactgg cccagtcaca 300

caccatcagt cctaagcact tgcccagtaa tgcacaggct gttgtgactc agctgctgtg 360

acccaagaat ctgtggctgg tactgaattg cctggaacct cttgtaggta gaatttcctc 420

aggacttcca catctccctt ccatgtgcca aagcatttct tgtcttg 467

<210> 923
<211> 357
<212> DNA
<213> Mus musculus

<400> 923
gattatgcag gcaatgccac tgctgtcttc cttctgcccg atgatgggaa gatgcagcat 60

ctggagcaaa ctctcagcaa ggagctcatc tctaagttcc tgctaaacag gcgcagaagg 120

ttagcccaga tccacttccc cagactgtcc atctctggag aatataactt gaagacactc 180

atgagtccac tgggcatcac ccggatcttc aacaatgggg ctgacctctc cggaatcaca 240

gaggaaaatg ctcccctgaa gctcagccag gctgtgcata aggctgtgct gaccatcgat 300

gagacaggaa cagaagctgc agcagttaca gtcttacaaa tggttcctat gtctatg 357

<210> 924
<211> 424
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<400> 924
ttttctcgtg acaagaagcc gtggcgggag gctgagaagt tctgtacgtc ccagggagcg 60

cacctggctt cggtgacctc tcaggaggaa caggcattcc tggtacagac tacaagttct 120

ggggaccatt ggattgggct cactgaccag ggcacagagg gcatctggcg ctgggtagat 180

gggacaccat tcaacaatgc ccagagcaaa gggttttggg ggaaaaatca gcctgacaac 240

tggagacata ggaacggaga gcgagaagac tgtgttcacg tccggcagca gtggaangac 300

atggcctgtg gatcctccta cccctgggtg tgcaagaagt ccacagggtg gtctgcggcc 360

agagtaggct agagctgagt ctgtccttcc tgagactcct tcagccttga tctcacttca 420

gggc 424

<210> 925
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<400> 925
aactgcactt ttaacacctg ccaaaaagct ctagggaagg atgacttcac taagattccc 60

aatggggtga atggtgtcga ggacaggatg tcggtgatat gggaanaagg gcgtgcacag 120

tggtaaaatg gatgaaaaca ggtttgtggc agttaccagc acaaacgcag ccaaaatctt 180

taatctttat ccgaaaaaag gaagaatagc tgtaggctca gatgctgaca ttgtgatctg 240

ggacccagaa gcaacaagga ggatctcagc caaaactcat catcaggccg ttaacttcaa 300

catcttcgag ggcatggttt gtcacggggt gcccctggtg actatttcaa gaggcagagt 360

ggtgtatgaa gcaggtgttt tcaacgtcac agcaggacat gggaagttta ttccccgcca 420

acccttgcc gaatacattt acaaacgaat caagcagcga gaccagacct gcacacctgt 480

gcccgtgaag cgcgcccccc acaagggaga agtcaccaca ctgaaagcca g 531

<210> 926
<211> 596
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (490)..(490)
<223> n is a, c, g, or t

<400> 926
tggccacatt atacagcttc ctctttnctc ctttgcctgt ggcttatttt ctggatttct 60

tgcagaaant tatgtggcta aaagtttgca ggcagatctt gctgacatca ccaagtctta 120

cctgaatgca catggctcct tctgggtggc tgagtctgga gaccangtag ttggcatggt 180

gggtgctcag ccagtcaagg accctccatt agggaagaag cagatgcagc tctttcgcct 240

gtctgtgtcc tcacagcatc gaggacaggg aatagcaaag gcactggtca gaactntcct 300

ccagtttgct cgggaccagg gttacagtga tgttgtcctt gagactggca gtgtgcaaca 360

tagtgctcag gctctctacc aggccatggg cttccagaag acaggccagt actttgtcag 420

tataagcaag aagttaatgg gtctttctat tcttcaattc tcttactctc tccctttgc 480

ttcaggaccn agggtatagt gggaaatatt taaaaaaagg tcccattcca tgctagcacc 540

aggtactctc tggccccagt ggtctcactg cctccatggc ttgtcctatg tagcaa 596

<210> 927

<211> 439
<212> DNA
<213> Mus musculus

<400> 927
aaagaccctg agactggtgt gaactaccta atccagggaa tgacctcaaa actggctgtg 60

ttggtggcct taattatttt ggaacaaagt cctgccttca agattgattt tgatctccat 120

gacctgatac cgtcttgtga aaggaccttc ctttggagat attctttaag caagttgtga 180

agaccctgaa acccaaaaga acgtacatga ggtttttgtg tgagcttatg ctcagaacaa 240

cagtgtttag caagtggcat ttgacaggtg tgaatatttt cctacaatgt ggctgtgaga 300

tccttgcctg acttcctgtt gctgctttag aacactaaaa gtctttcaaa actggaaaaa 360

tgccctggca ggggagaata attttaccca tttaaaaaaa tggcccgatt tttagtcata 420

ttagggatat ctgtcacat 439

<210> 928
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (248)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<400> 928
cgttactctg acattcatca tcactaaatt ttgtttgttt gtgtgtcaaa aactttatat 60

gaaagaaagt aagaaaatgg ggaacagaaa gaaaaagaac taggtctttt ttaggtttgg 120

gaaagccctg agtgacaatt atattaacaa tcaccacaag aagcatgcaa cttcctgctt 180

tatacctatt ttcaaataag cagctctgtt tcagactgga aataaatgta aacattaagc 240

atgataanna annactgatt ngttccaatc ttctatcttg taggcattct cctctcactc 300

ttctaagata tggaaaatta attctaaata tattctatag aaaggaagtg atgaataaca 360

atatgctaga cctctgggaa gacatataat accaatctta ttgatgtata tgaggatctc 420

ttacagtcaa tgtcataagc ctatcatatt gtctaa 456

<210> 929
<211> 157
<212> DNA
<213> Mus musculus

<400> 929
ggattccaaa acgtccaact ctgttctacc atcctcaatg tcaccttccc ccctgaagtc 60

attggaccac tgttcttctt tcctctcctt tatatgattt ttcagcttgc agaaggactt 120

ctcttcatta ttatcttccg gtgctatttg aaaatca 157

<210> 930
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<400> 930
gctgctgcca cagggttcat ttttggcttt cgttctagaa gattacaaac tatgactgtg 60

cagttcaaca ggccattcct gatggtcatc tctcacacag gtgttcagac taccctcttt 120

atggccaaag tcactaaccc caagtgaacc taaagctccc caagttctga atattctgcc 180

caggacccta ggatggagtc cgcatgtgga tctctgttta catcctggca atcatgcttt 240

gattggctga tgcaaagatg gcttagacag tgacattgac tatctctgtg gctcccacat 300

gctcaggagc ctttggactg tcagtgtcag gcgctcaggc ctcttgggag catctgtgca 360

tgtttctgaa cctggagtct gtctttattn cctcttccct ggtgactcct ttttatatat 420

ct 422

<210> 931
<211> 481
<212> DNA
<213> Mus musculus

<400> 931
actccagttt gctactgcac gtgaagcagt tagtgtctga cgtgcgaagc ttgagctgcc 60

agatggctgc atttcggggc aatggctctg aaaggacctg ctgccccatc aactgggtgg 120

agtatgaagg cagctgctac tggttctcca gctctgtgag gccttggact gaagctgaca 180

agtactgcca gctggaaaat gcccatctgg tggtggtgac ctccagggat gagcagaact 240

tcctccagcg ccacatgggc cccttaaaca cttggattgg cctaactgac cagaacgggc 300

cctggaaatg ggtggatgga acagactacg agacaggctt ccagaattgg agaccagagc 360

agccagataa ctggtacgga catgggcttg gaggaggcga ggactgtgcc cacttcacga 420

cggatggccg ctggaatgac gacgtctgca ggaggcccta ccgctgggtc tgtgagacaa 480

a 481

<210> 932
<211> 539
<212> DNA
<213> Mus musculus

<400> 932
gaaatcagcc ttccgaacat tcactacttt aacatcgaca tgtccaaaat gggactgatc 60

aacaaggaag aggttttgct gcctctcgac aatccctacg gcaaaataac agggacagtc 120

aagaggaagc tgccttccag gctgtgacgt catggctcca gccggttgcg atgctgggga 180

atactgtatg cttgcctgca aaaatttcaa ctcaggatat tgattgcttt gttctgtatg 240

aagtaattgc tttgttgtta ttgttgttcc tagttcaaca gggaacttgt agtggtatgt 300

atgtggagtc ccatgttagc aggcccaacc tgctccacgg ccatgggcag tttccttaaa 360

aattactggg ccatgttagg agaatcacag tgatagttct ccttgctgtt cttgtgttct 420

ctgcctttga atccgtcttt agaatccaat tgtcataagg acataatcgt aaagtactgg 480

ctgccgccac attgattaat ctgaacacag aagcaaacac tgtcatcatc ctagggata 539

<210> 933
<211> 431
<212> DNA
<213> Mus musculus

<400> 933
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cctcactgaa tggcttccac attcccaagg agcgctgtat ctacataaac cagtggcagg 120

tcaaccatga tgagaagcag tggaaagacc cctttgtgtt ccgcccagag cggtttctta 180

ccaataacaa ctcggccatc gacaagaccc agagcgagaa ggtgatgctc ttcggcttgg 240

gaaagcgccg gtgcattggg gagatcccgg ccaagtggga agtcttcctc ttcttagcca 300

tcctgctgca gcatctggag tttagtgtgc caccgggtgt gaaggtggac ctgacaccca 360

actatgggtt gaccatgaag cccgggacct gtgaacacgt ccaggcatgg ccacgctttt 420

ccaagtgaag a 431

<210> 934
<211> 517
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<400> 934
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aaagatgcat acataaagaa gcaaaatttg gaaaaggctg ttgaagacta tatagatgaa 120

ttcagtacta aaaggtgcta cccatgtcta aatggaggta ctataattct tctggatggg 180

cagtgcctgt gctcctgccc aatgatgttt aggggaatgg cctgcgaaat ccatcaaaaa 240

atatagcctt caggaaacaa agcaaaccct ggttcacatg gaaggggggaa aaananaaag 300

gacaaaaaaa naaaaatccc aggactttcc aacttagcat cttaccctgg agctaatccg 360

cactgccaag tggaaagcag cttgtttcat ggaaatccta ccaacctctg atgctgtctg 420

ttttaatcta cagtnccttt ctcccctctt taatgcctat aatgcttcca ttttttcatt 480

ccctaatgaa gagtcagcag tgagatatgc ccgggct 517

<210> 935
<211> 421
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<400> 935
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ggaagagatt gacaatgtga ttgggagaca ccgcagcccc tgtatgcagg acaggaacca 120

catgccttac acaaatgcca tggtgcatga ggtccagcgg tacattgacc ttggcccaaa 180

tggtgtggtg catgaagtaa cctgtgatac taagttcaga aactacttca tccccaaggg 240

aacacaggta atgacatctc tgacatcagt gctgcatgac agcacagagt tccccaaccc 300

agaggtgttt gaccctggcc actttctaga tgacaatgga aactttaaga aaagtgacta 360

cttcntgcct ttctcagcag gaaaacggat ttgtgtggga gagagccttg cccgcatgga 420

g 421

<210> 936
<211> 577
<212> DNA
<213> Mus musculus

<400> 936
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gaagtgatgg gagtctgatg ttccagcaag tgcccatggt agagatcgac gggatgaaac 120

tggtgcagac caaagccatt ctcaactaca ttgcctccaa atacaacctc tatgggaagg 180

acatgaagga gagagccatc attgacatgt acacagaagg agtggcggat ctggagataa 240

tgattctcta ttacccccac atgccccctg aggagaaaga ggcaagcctt gccaagatca 300

aggaacaaac caggaaccgt tacttccctg cctttgaaaa ggtgttgaag agccatggac 360

aagattatct cgttggcaac aggctgagca gggctgatat tgccctggtt gaactcctct 420

accatgtgga agagctggac ccgggcgttg tggacaactt ccctctcctg aaagcgctga 480

gaagcagagt cagcaacctc cccacagtga agaagtttct tcaacctggc agccagagga 540

agccttttga tgacgcaaaa tgtgttgagt cagcaaa 577

<210> 937
<211> 310
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<400> 937
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cctgnttgtt atctatcaca caagtgctca gagtatcctc tttatggcca aagtcaataa 120

ccccaagtag acctaaagct caccaagttc tcatgnttct gnccagggct ctgggacana 180

gtctgcatnt ggatctctat atacatcctg tcattcaagc tctgattggc tgttncaaag 240

ttggcttaga cagctacatt nactatctct gtgatcccac atgcacataa gactttggac 300

tctcagtgtc 310

<210> 938
<211> 485
<212> DNA
<213> Mus musculus

<400> 938
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gggcactcaa gtgtatgtct tcctgacaaa gggaggcaat aacctagtaa gtggttatcc 120

aaagcggctg gagaaggaac ttgggagccc tcctgggatc agccttgaga ccatagatgc 180

agccttttcc tgccctggtt cttccaggct ctatgtctca tcaggacggc ggctttggtg 240

gctggacctg aagtcaggag cccaggcaac atggacagag gtttcctggc cccatgagaa 300

agttgatggg gccctgtgtt tggacaagtc tcttggcccc aacacatgtt cttccaatgg 360

ttccagcttg tactttatcc atgggcccaa tttgtactgc tatagcagta tagacaaact 420

gaatgcagcc aagagtctgc ctcagcctca gaaggtgaac agcatccttg gctgcagtca 480

gtaaa 485

<210> 939
<211> 484
<212> DNA
<213> Mus musculus

<400> 939
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aatgatgaca aagaatttcc caacccagag aagtttgatc ctggccactt tcttgatgag 120

aaagggaact tcaaaaagag tgactacttt gtggctttct cagcaggaag aagagcttgt 180

attggagaag gtctggcccg catggagatg tttctaatcc tgaccaacat cttacagcat 240

tttactttaa aacctctggt taaaccagag gacatcgaca ccaagccagt tcaaactggt 300

ttattgcatg tgcctccacc ctttgagctc tgtttcattc cagtctgaaa ctgtgtagta 360

tttcacatgg atggctgaga ccctgcttct tctgtgagca aaaaggtcct cctgtcctat 420

gtacctgcat ctggtagtcc tttatgaatg gcagggatgc tacctctata ctttctcaat 480

tctt 484

<210> 940

<211> 549
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<400> 940
gacgaactct ctgaaaggca tcctgacctt tctgggtttt ttgacaacca ctttggttta 60

atctcaccta acttcaaaga atttggcagt aagacccatt ctgattccga catcctcaca 120

aacattgagg accccagctc ccatgtacct gagttttctt ccagtagtaa aacctcaact 180

gtcaaaaaac aagtaaccaa gacctataaa atggcagacg aggcaggaag cgaagctcac 240

cgggaaggag aaactcgcaa cactaagagg ggccgtgcca ngagctcgcc caacgagagg 300

tatcgacact taactttcgg gagattcccc tgacaccccc ccccccccnt agattaagtt 360

aaccattact gcgaagtgct taccaggcac gctgcacccg tttcctaacc tcctttagtg 420

ttttgttgga atctcatttt ttttttggtc aacttttcat gctagactgt acgttccttg 480

ggggcaggga cttgaccatg tgtctatttc tgtaattccc aaatgcctaa cagtgcagtc 540

atttctcaa 549

<210> 941
<211> 326
<212> DNA
<213> Mus musculus

<400> 941
ctcactcaaa ttcctgtttg catctccacg agccatacat aaactacaat catctcagga 60

aaaggggttc cccttgcatc atatctgtcc aggctaagga tttggtcctt ctaggttcta 120

ctggtccacc aagtatagag agatccctgg ggcctgcagt tttccctccc tcttcagaag 180

ggatctcttg gcaacagagg tagcatgagg catgctctgc ttacttttat ccttaaaggc 240

ctttcagatg cccagagtct gtctgttggt cctgagcaag ccatcttcca gatgggtcca 300

cgtggccttc tgactgccat ggcctg 326

<210> 942

<211> 326
<212> DNA
<213> Mus musculus

<400> 942
agccaaccgt tttcacagac gtggaggacc acatgtacat cgctaaggag gagtccttcg 60

ggcccatcat gatcatctct cggtttgctg atggggacgt ggatgcagtg ctatctcggg 120

ccaatgctac agaatttggc ctggcctctg gtgtcttcac tcgggatatc aacaaggccc 180

tgtatgtcag tgacaaactg caggcgggca ctgtgtttgt caacacatac aacaagaccg 240

atgtggccgc acctttgga ggattcaagc agtctggatt tggcaaagac ctgggagagg 300

cggccctgaa tgagtacctg cggatc 326

<210> 943
<211> 463
<212> DNA
<213> Mus musculus

<400> 943
attcaacacc ggaaagatgg ctcacaggac ttcaacgaaa catgggaaaa ctacgaaaag 60

ggctttggga ggctcgatgg agaattttgg ttgggcctag agaagatcta tgctatagtc 120

caacagtcta actacatttt acgactcgag ctacaagact ggaaagacag caagcactac 180

gttgaatact cctttcacct gggcagtcac gaaaccaact acacgctaca tgtggctgag 240

attgctggca atatccctgg ggccctccca gagcacacag acctgatgtt ttctacatgg 300

aatcacagag caaagggaca gctctactgt ccagaaagtt actcaggtgg ctggtggtgg 360

aatgacatat gtggagaaaa caacctaaat ggaaaataca acaaacccag aaccaaatcc 420

agaccagaga gaagaagagg gatctactgg agacctcaga gca 463

<210> 944
<211> 477
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<400> 944
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gctggaggag aagctagagg ggctcatgga attctacaag acgatctgat caggccccag 120

tcagtcaccc catccccaag acaggcagag gtcaggggng aggacctgga cagaggagag 180

caagactgca gtcaggtccg agngaccnag tgtgnaggcc tgctgctgaa cacagcacaa 240

tcaggtgaga ccccctggtg cctgagacga gaganctaaa ggatgtgctg ctgtgagagg 300

gactggaaag attgaactct ggactaaaca cggaagaagc cagttaagag aaggactaga 360

aagccctccc cagctgagct actgcaaaca agaccccaca aaaggcaaac cagagagaaa 420

ggtgtgtgct ctntaaacac atcatgagcc ccatccctgt gctttagagc ctgtgct 477

<210> 945
<211> 417
<212> DNA
<213> Mus musculus

<400> 945
tgatatcaag cctgttacta ctgggctttt caacttgcca ccgccttaca agctgcgcct 60

tgttccaaga taggagtttc tccttttaat cattcaaatc aaagtaattg ttctcttttt 120

ttctataaac agtctatttt gctaagtgct acctaggcca gaaacatcac tcactaacag 180

cacgtgggca tttgtttcca tcttaaaacc tgggtcctga aagctcccag gacacaggca 240

gggtgtctca gttcctcagc tgtctataaa ctaggcccta agcacaactg acaccagatc 300

cacaaggccc tcatcagacg ccacctgcaa gcagctgcgt gctcttctgt ggcttcagaa 360

atagaattat attctgtcac tgtttcaata gagaaattaa tgtaccagcc cacacac 417

<210> 946
<211> 546
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<400> 946
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gcacggagtt cttggccgcc ccatcttctt actacaaact gcttcgggag aatctcaagt 120

cagccaagat ccaggtgaaa gagagcatgg acgtcctgga ggagctgcat atcctagtcg 180

actatgacga gaaaggctac ctcctacaga tcttcaccaa gcccatgcag gaccggccca 240

cactcttcct ggaagtcatt caacgtcaca accaccaggg ctttggagcg ggcaacttca 300

actctctgtt caaggcgttc gaggaggagc aagccctacg gggcaacctc actgacctgg 360

agcccaatgg tgtgaggtct ggaatgtaag cccccatcca cacatggacc acgcaaagtg 420

cntggacaca tcagtcatct ccaactggct gaaaggctga acctcagggc tccacccacg 480

tcatggccac gccccctcta ttacaagagt ccgccttgcc tgagtcctcc ctgctgagta 540

aagcta 546

<210> 947
<211> 511
<212> DNA
<213> Mus musculus

<400> 947
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ggtctgaaac acgaagactt tgagctgctc tgccttgatg gcaccaggaa gcctgtgact 120

gaggctcaga gctgccacct ggccagagtg ccaaaccgtg ctgtgttctc caggaaagat 180

aaggctgact ttgttcgaag aatactcttc aaccaacagg agctctttgg aagaaatgga 240

tttgaatata tgatgttcca gatgtttgaa tcctcagcta aggacctgct tttcagtgat 300

gacacagaat gtttatctaa ccttcagaac aaaacaacat ataaaacata cctaggacca 360

cagtatctta ccttgatgga taactttaga cagtgcttgt cctctgaact gctggatgcc 420

tgcacatttc ataaatatta aacaccattc agctgggggg ggcggtaacc caggggctgg 480

ggacccaact gcttgcctcc atgtggactt g 511

<210> 948
<211> 534
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<400> 948
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gaaggnaana gctggtcacc ctgcccaaga tcaccagtgt cgccaaggcc ttgggcgtga 120

acactgtcgg ggcgcagacc ctgaagctgt tttacgaaca ccccattttc tccgaggtca 180

tctcagacca ggaggctgtg tctgctcttg agaagttcgt ggacgatgag aagattctgg 240

tggagcccgc gtgcggcgcg gcgctggctg ctgtgtacag ccgcgtggtg tgcaggctgc 300

aggatgaagg ccggctgcaa accccactgg cctcgctggt tgtcatcgtg tgtggcggca 360

gcaacataag cctggcgcag ctgcaggcac tcaaggtgca gctgggcctg aacgggctgc 420

ccgagtgata tctgctgctg ccctggcctc cctcagaggg gtcaccgggc acccccctagt 480

ggggtgggat acacttgaca atggccccac cctcctttac ctgtgtttat aatg 534

<210> 949
<211> 356
<212> DNA
<213> Mus musculus

<400> 949
attacgtggg caacgccagt gctgtcttcc tcctgcccga agatgggaag atgcagcatc 60

tggagcaaac tctcagcaag gagctcatct ctaagatcct gctaaacagg cacagaaggt 120

tagtccagat ccatatcccc agactgtcca tctctggaga ctataacttg aagacactca 180

tgagtccact gggcatcacc cggatcttca acaatggggc tgacctctcc ggaatcacag 240

aggagaatgc tcccctgaag ctcagcaagg ctgtgcataa ggctgtgctg accatcgatg 300

agacaggaac agaagctgca gcagccacag tctttgaagc cgttcctatg tctatg 356

<210> 950
<211> 545
<212> DNA
<213> Mus musculus

<400> 950
ttacctacaa ggctgctgca acagaagatg ctactccagc agctctggaa aaaggtaccc 60

acaacgggaa taatcctcct acacaacctg gcctttcccc taatggcctg aactctggtc 120

agatggcaaa ttagaatgtg aaaacttaga agcaacaagg aaagtaacac ctagtgtgcc 180

agattgtcta gcacttccag caaaccttca acagcagaat catgaagcaa tgaactgagg 240

cagaagggca tctatccagg aaccatcatc catccccaaa aatctgctat ttgtttaaaa 300

gataaaaaag aactaggcaa agtggttcct ccctataatt ccaatgctca gagactcaag 360

gtcaaccttg agtacacagc aagactgtct caagaaacca agaacacttt cagcagctat 420

gaactcttat gaaggctcta tgaaacagct acatctgata aacattatca ctatttctag 480

actttccaat aagcaggtgt tttgctcatt aagcatccac aacctgcttc atgttgtaac 540

tcaaa 545

<210> 951
<211> 501
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<400> 951
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atctgacaga ggtcgcaacc cgcaggttga gagccactgc cttcaaggct ttaatcaaga 120

gagtagtgag ctgagggctt tactggtaag tcaggggcaa gtccaactca atcatcctca 180

catactggct gctccctcag gcctgagaat gaggcttgca gcatcctctg gtttcctaac 240

cgttatccat ccctgactct catctctgna aatagatgtc atccatgaaa ttaaggagtg 300

agaatattaa gcagcattta tagagctcaa aattccatgt catcaccagg aagtgccatg 360

ttgatcacag agaacacaga ggagacatat agacagggtt ttgctcaaaa ttgggatata 420

gaatgagcct ntcaggtacc tatcaggagc ggtaatccgt gagagagaac cgttgcaagc 480

cactctaact gtagcaatga a 501

<210> 952
<211> 442
<212> DNA
<213> Mus musculus

<400> 952
aaatagactc acttttccat caatataagg aaagccattg tttctggtta ttaattgggt 60

acagcaaact tccaacaaat atttcctaaa gggcctgtgg tggaggctac tctccttcaa 120

tcagaagcct ttttcagaca ctaatcttca agcatttact cttactgctc ctgacataaa 180

ttccagtact tgggagttct taggcttggc aagattattg atttattttc cttcttatct 240

cttactcaca actgacctga acactgtcat tctcattctg ccttttgaag tagatttaag 300

ctgccaaatg tcccattctc tctcgctttg aaagtacaca tccaagagaa gattatcttt 360

ttaagtcata ccatcaccta gctcatgtta tatttcgtat ctgaaatatc ccccacagac 420

acacaatgta ctttgctgat tt 442

<210> 953
<211> 77
<212> DNA
<213> Mus musculus

<400> 953
tgtacaattt cagtgcacac agaataaaat tagacgctat gaatgtatgc tctgcaagaa 60

tcacagaaca tcacagt 77

<210> 954
<211> 363
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<400> 954
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agacctttat tccctgccct cccccagaaa tcagaagtga ctcaattgcc ttctcacaat 120

ctttttttatt tctataaaga aatatgtcat gagaaagctg tatttgttgt ttcaataaga 180

accgaataag ctgtagaatt ggttaacaac caaattttaa aagatcaaga tagtgatcga 240

gtccttctgt ttaactttgg ggtaggtctc attctaggcc tgcacctcag actcccctgg 300

ttgaactcgc atgcagcaga ggctccagga gttgatctca ccttcaaggt tcttttgaac 360

att 363

<210> 955
<211> 544
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<400> 955
tttgctctca tcagcatcaa acttgctgtc ataggagtcc tgcagaactt cactgtccag 60

ccttgtgaag agacacagat ccccctgaag atcagcaggg aaccaanttt ccnaaccaga 120

aaaacccatc atcctaaagg ttgtgtcaag agataaaccc agaactggat catgaatttc 180

cctcagaaaa catgttatat tcttcaagga gactgtgtca tagaacacaa gagaatttaa 240

ttaactttag aacaacataa tatgggcata ctcaactttc cttgatgatt gaatattcag 300

aaattcactg aacatgctca gtgactatgc agtgtatcat ctattttgtg attcaaagga 360

aattattaac tcaatggtag ttgtggatgt tcaccttctg attcttgtgg gaatgtctac 420

actaattcca gttagttaca tccattctga attctaactg cagcaactat ttctctatca 480

ttttattaat agaaaccctt gtaatgatgg ttagtaaatg tgtatcaagt tttctctttg 540

ttaa 544

<210> 956
<211> 387
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<400> 956
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aagatttgaa gattatttct tcttccccca gtcacatcca acacatgcct ggaaccccag 120

attctcccat tattcggctc tgctggagcg actcatgagc cctttacccc tagctacacg 180

cacgcacgca cngacgcacg cactcacgca cgcaggcagg caccatatac ttctttatcc 240

tgagggtacc agtttaccag aaggaagctg ggatgggaaa agccagagct caggatgaga 300

gaagcagaag gttgcctccc ccaccatttc ctcgagctga cacaggagtg tcctcttcag 360

tcaggtcgga agtcaccttg gttcctg 387

<210> 957
<211> 461
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<400> 957
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actaccaccg gattccttat cagtcaggtt gggcatgtta ttgaacatct gcaagtggca 120

ggattctgaa tcaggatgga ggaatgtgtt tttcctgtct gctgctgtca acatgtttgg 180

tctgatcttt tatctcatat ttggacaagc agaaatccag agctgggcca aagaaaggac 240

tctcacccgc ctctgaggat gtagggttgg agaccaacca aagtgctgac ccttaacata 300

ctttgctnat caccattctt tctttgtact tacgaccata gacacagcgc ttctctattc 360

tggctgggtg ctagcatttt ccaaagatct tcaaaagcag atcccaggct accctccaga 420

gtgagttagt ctgtggtgga acccaggtgc cactaagttt t 461

<210> 958
<211> 484
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<400> 958
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ggctgcctcc ttggccccaa ttaaaccagt tagaacaata cttggagatt ggtctagaat 120

cacggactgg ggtgaagcta aagaagggtc ggctacagtt ctggacagag acactgccaa 180

gaaaaattca agaatggcac cgagagcaga gaagcaggaa agttccagag gagctctgag 240

gccagaccta cctagacctt actgactggg ccaacccaan gaatagtggc acccnaagca 300

gggcaactac aacttctttt tgtttctgtt cagagacttt agcctggacc acgctgctgt 360

gagcccatgt ttcttaaatc atcggcccct gcaagaccag tatggtgaac cactaaatgt 420

tatcaatctg gtttctactt cttgatcatt gaacatactg ctgtttcttc ctaaagtgac 480

ttga 484

<210> 959
<211> 486
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(298)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (300)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(310)
<223> n is a, c, g, or t

<400> 959
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acagggnctt ccttatccct aaggggacga ccctcatccc caacnngtcc tccacgctaa 120

aggatgagac tgtctnggga gaangcccct ccgnttccat cctngaacac ttcctggatg 180

cccagggncc attttgtgaa gcctgaggcc ttcatgccat tcntcagcag gtcgtcgagc 240

atgcctgggg gannccctng nccgnatgga gctcttcctc ttcttcacct nnnncnnncn 300

nncnnnnnnn ctttagcttc ttagtgcctg ctggacagcc ccagcccagt gactatggca 360

tctttacatt tctggttagc ccctcccccc atcagctctg tgcattcaca cgttagcagg 420

caacaaatcc tagtccagaa actagcttag agtcacacgc acaataaacc agttttgtgg 480

ctgcca 486

<210> 960
<211> 503
<212> DNA
<213> Mus musculus

<400> 960
gagtctttgg caagctcttc tgaatacagt actacatcta cacagatgca ggggaggaca 60

gaagggccca ccttgacccc tccccgagcc cagccaactg ttacctcttc tggttttcag 120

gactcagatt tcattgaaga tgtggtagct accacccccc catatgacac tggggcccat 180

gatgatttga tccctgatat ccatgtacag ccagatagcc tttcatttaa gctgatatct 240

gattttccag aagcaacttc ccccaaatgt cctgggcgcc catggaagcc agctagctgg 300

gaggatccaa acacagaaac aacagaattt tctgattttg atctccttga tgctctttct 360

taacttacgc agcctaggta gcttcacaaa tgctctccca gcctttcttt ctactgccca 420

agcacaaaca ttgtgaccta agtcatccag ccatggtgat cagaacagcc tgtcaatggg 480

actttataac tccctgtgga ctg 503

<210> 961
<211> 500
<212> DNA

<213> Mus musculus

<400> 961
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caggacagtc caaggctcgc tgcattgaga gtcttcttca agtgatacat ttccctcaac 120

cgctgtcgaa tgatgtccgc gcggccccca tctcctgcca tgtccaggtt gcccacgaga 180

aggaaaaggt gatccccaca gccttgctga gtctcctact caggtgctcc atcactgagg 240

ctaaggaacg cctggctgca gcttcttcag tctgtgaggt tgttaggagc gccctctctg 300

ggccaggtca gaaacgcagc atccaagcct ttggagaccc tgtggtgccc tgaattgatg 360

tttctgtgac cattgaaaag tctccatcca cttctgaggg gacttgtgcc agtaatacac 420

gttgcaggac agactcagtt ccggtgggtg gggcactaac agcccagaat tgaggaagag 480

tcctgttctc agctggatca 500

<210> 962
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<212> DNA
<213> Mus musculus

<400> 962
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<210> 963
<211> 558
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 963
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ggattcaata catttagtat acttaagaca gactatgata attatattat gattcatctc 120

attaacaaaa aggatgggaa aaccttccag ctgatggagc tctatggccg agaaccagat 180

ttgagtttag acatcaagga aaagtttgca aaactatgcg aggagcatgg aatcattaga 240

gaaaatatca ttgacctaac caatgtcaat cgctgcctcg aggcccgaga atgaagaatg 300

gnctgagcct ccaggtgggc aatatacaat gagagcaagg aggagngttg agtggnnnnt 360

ttnnaccagg actccagcat catcccttcc tatccataca gactcccatg ccaaggtctg 420

tgatctgctc tccacctgtc tcacagagaa gtgcaatccc gttctctcca gcatgttacc 480

taggataact catcaagaat caaagacttt ctttaaattt ctctttgcca acacatggaa 540

attctccatt gatttctt 558

<210> 964
<211> 555
<212> DNA
<213> Mus musculus

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<222> (177)..(177)
<223> n is a, c, g, or t

<220>
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<222> (183)..(183)
<223> n is a, c, g, or t

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ccaactggca aagacctctg tggtcagagt accacacaag ccatggacca gtatacattt 120

gaactaagca gaaggactca agttccagaa gtgttcctca gcaaagttct ggagccnaac 180

ccntgaaaac ccttagggag tgctgtgaca ctcaggattc tgttgcctgt ttcagcactc 240

agagtcccct gctgaagagg caactaactt ctttcatcga aaaaggtcaa gaaatgtgtg 300

cagattattc tgagaacaca tttactgagt acaagaaaaa attggcagaa cggctaagga 360

caaaaacacc caacacctct ccggcagagc tgaaagacat ggtggagaaa cactcggact 420

ttgcctctaa gtgctgctct ataaactcac ctcctctcta ctgcagctca cagattgatg 480

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ctgaaccact ctgga 555

<210> 965
<211> 581
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 965
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cctttactat ttaattttac taaaaaaatc ttnccttttt ctttaaaaaa gccttcgtta 120

ctaaattatg aaattgaaat tgtatacata agaataataa aaatcagtta aagaaatnan 180

cagtnaacaa aacacctctg gcttatcaac cttttatgat agaaggaaac tcagatngtc 240

actttattta tagagagcta ttaagtcacg tgccatgact ctgtgaagga atggcacatt 300

acaataaagg ctaatgtttt gaatgtgtat actagtaaag caattaacag taacctgaat 360

ttaaatgtca gtcgatggaa gtacagccta tgacagggct ttganaaacg tttctacagt 420

gaagcagttc tacagagaac actaatgagc aatgtgtaaa ctgtttggaa ggtgctggtg 480

aataactgga actttccaca tggcttcacc acacttgtgc cagaaacata ttctgaaagt 540

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<210> 966
<211> 481
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (89)..(92)
<223> n is a, c, g, or t

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<222> (257)..(257)
<223> n is a, c, g, or t

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<222> (260)..(260)
<223> n is a, c, g, or t

<220>
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<222> (262)..(265)
<223> n is a, c, g, or t

<220>
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<222> (350)..(350)
<223> n is a, c, g, or t

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ataaaaaant ntttttaaa aaannanann nnttcaagga aagatttgat gctttgtatc 120

aaataacgcc atgtaagtta aagcccttcc gtggcttaca gaacggtgtc acttaagcct 180

aaccagatgt cagggtttta ctattcaccg gaaaccccaa gggatggacc tgtttgaagt 240

gaacatgtat ggctatntgn annnntaaat aggtaaacct gggatgaaat gtagagttgt 300

ttttcaaaga ctggctgcag acattctgag atgaatatgc tatgaatgtn aattgaatat 360

atgagatgaa tttcagatag ctcagaaatt cccttgtggg agaaacaacc ttggcttgag 420

agatctgttt tgtttctgca aatgttatgc cccagtgaga ccaagggtac catttcctaa 480

g 481

<210> 967
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<400> 967
caactgccta tttctatggt gtaaatatcc ttactttggt agatttcaag ctattaacat 60

gaagttactg gaaaaggagt tgagaaaaca tatggaaaat tactcttaaa actgtttcag 120

gcagttttta acctagaagc agctgaactt tctaggaata cttcaacagt gcatcttcag 180

ccttctccag ttccaaccta cctaagggtc atgtctctca cagcaggctc aaggctgcaa 240

gagtcattgc aaatggccaa ctgacttgcc catttatggt tttcttctca ccggtaaact 300

gttattgtaa ttaacactgt catattgaat tttctagagg gatgctgacc atccgaccca 360

tttntnatct gagacttggt gnactggcat tttaatactt atctggacct ttgtagtgat 420

gcataattgg tttgaacccc ttgtcactgc cacctgcccc caccaacaca aaatcctact 480

tcattactgc tgactctgct aacgttccac tacttgttg 519

<210> 968
<211> 541
<212> DNA
<213> Mus musculus

<400> 968
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tgagctaggg tttggctaga gatgacaacc gacaggcaag ggatgctaag tagtttaaca 120

gcacttacac aggtggatta agagccccga tggtgaatta cagaaacgca aacgaaccta 180

gaataggttc tgtgttacat ctattctata ggaagctcat atggagtggt gtaacagggt 240

ccagacctta gcacagctga ctccatgatg gaagtggcat tccgactgta aaactcagca 300

catagacacc gccaccagcc agaatgaaaa caaagatcta atccaccaag gtccacagtt 360

ctaagaaagt ctccacatga actaaccttg ctttttggct tctgtaatta tgcttctggc 420

taactgttct tgctaactga agaatgtcaa cccagaatac ggttttcgtc cttaaaagct 480

cattcagaga gaggctcagg gctacgctgg catctggaat acccagtgta gtagccagcc 540

a 541

<210> 969
<211> 129
<212> DNA
<213> Mus musculus

<400> 969
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aggaaatggt ggcagctctg acaacctgtt gcactctcag tgacgagttc gcctgcgttg 120

acaacttgg 129

<210> 970
<211> 376
<212> DNA
<213> Mus musculus

<220>
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<222> (114)..(114)
<223> n is a, c, g, or t

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<222> (117)..(118)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (138)..(139)
<223> n is a, c, g, or t

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<222> (141)..(141)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (164)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

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gtgaatgccc aagagacaaa tgcaaaacca aatattactt ttatataact tttnaannca 120

ttnnannntt nntnnntnna ntnnnnnnnn nntntntnnt nttnnntnnn nnnaggagtg 180

tccaacctga attgaaatca cttggaatgg gattccattc actggttgta cgaacactag 240

gaggaattct agctccagtc nattatgggg cattaattga cagaacatgt atgaagtggt 300

ctgtaaccag ctgtggagca cgtggagcat gcaggctata taactcgaga ttatttggaa 360

tgatctacgt gggttt 376

<210> 971
<211> 406
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<400> 971
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gaaaatccag ggacaatcag agtgggagac cctgtgtacc tcctgggcca gtgatgggaa 120

ctgttcgttc tggaagaaca gatggctctt aaaaaaaaac ttttacaaac agacatcgct 180

tgaaacagtt cttcagcctg ttctttggat cggccagttc caagtttctc ttctttcaga 240

tttccgtctg tttcaatgtt tcctggggcc agccnacaaa gcaggcaaat acagctttgc 300

gaacttagca ggtccctgtt atgtttcttg tagaatgaag ggattatcat attgccctgt 360

ttataaatac ggagtaatcc ttctacgtcg gaattcactt gccaag 406

<210> 972
<211> 494
<212> DNA
<213> Mus musculus

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<222> (60)..(60)
<223> n is a, c, g, or t

<220>
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<222> (62)..(65)
<223> n is a, c, g, or t

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<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<400> 972
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gnnnncttca gnaacagata accaactgta tacacaaaaa agaggaggct cttgggcnac 120

tgggagtaaa ttattaacat caacatatgt agcatccaag tgactgctga gggaggacaa 180

gtcagaaaat gcagtctgca cacgttatat atacatcaga ggcaacaagc acggtgccta 240

tctgaacctg gatggacttt ttaacagatc aacatggagg agacttttga aatagaaatc 300

cagcctgatg caaaacctga cagtgagaaa gaacgtgggg actgggaaaa atgacgaaag 360

acaaagaaag acggtgtatg aaacgtgttc cagtgcctac cacatggcaa attattagca 420

tcatcattgt tattcccatt gttaaaacgt gattcagagg tttacctaaa taaacttggc 480

tcttctatct gaaa 494

<210> 973
<211> 367
<212> DNA
<213> Mus musculus

<400> 973
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tacaaaggga cggctggcaa cgccctcatg gacggggcct ctcaactggt gggggagaac 120

agaaccatga ccatccacaa cggcatgttc ttcagcacgt acgacaggga caacgacggc 180

tgggtaacta cggatccaag aaaacagtgc tccaaagaag atggtggtgg ctggtggtat 240

aacagatgcc atgcagccaa tccaaatggc agatactact ggggtggcct ttacagctgg 300

gacatgtcca agcacggcac agatgatggt gtggtgtgga tgaactggaa gggatcgtgg 360

tactcaa 367

<210> 974
<211> 472
<212> DNA
<213> Mus musculus

<400> 974
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tgaccacaaa atcagggagt tgatctgcca tctgcttggg ggtcatgagt caggattgtg 120

tgggtctgct tgatgaggac atgtgtcact tggagtcatt ttcaccgaac aaagaactgt 180

tcattcctgc ttgtactgcc atgcccattt cagagcatac cttcaccaac ccctctgggt 240

gctaggccaa cctcgaaacc cagttctact cagcatccac cgattcactg tccctttaga 300

gacaggctag ggaccagaca gcaagctggt tacatctgac tacaggctgg gctggttccc 360

tgtcctaggc tactcagagg accgaggaat cggtgcaggg catcaccatc gcatacccac 420

accacctgta ggtgctgtgc tggccacatg aagatcctgg aacctgggtc ag 472

<210> 975
<211> 159
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 975
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ggagcctttt tcacagtgag aggtagtcac tccnagagac tcataatttc cctgattgct 120

gagcataact gactgatcct ttgatataat ccgatattg 159

<210> 976
<211> 237
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<400> 976
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gagcaacaga ctgattcatg ccatgcattt gttcgctggg taacagaatc acttgacaca 120

gcccacttat ctgcactgaa aggactctgg ctctttaagc tctcaccttt cttattctca 180

tctctagccc tctttctcct ccccacccca acatggctat ggccagtctc tcttctc 237

<210> 977
<211> 466
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(124)
<223> n is a, c, g, or t

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aataaaatat ggatttaatt tatgaatggc atcatgatgc ttgtgtatng ttatttttt 120

ttnnggcaat gattctcact tatatagtca acctagaaat agcatttttt cttcccatga 180

ttcacaaagt gagattggat ttctttgata gatccttgct tcaggtttta gaagatgtca 240

gcagatgaca gaggacacag aagtggttat tttcttgata ttcatgttgg attttaatat 300

aagtcaagtg aaatgtatag gctgattcac cttctgctcc aatttggaaa ccctgtagaa 360

gttcctgttc cttttgtagg atggattctg gcagtagcct gactctcacc ttgcattctg 420

tataccacac atattacaca tagggcctcc attcctttac atgcaa 466

<210> 978
<211> 438

<212> DNA
<213> Mus musculus

<400> 978
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ccaatctgca ggatttttca gaccaactct ctagctacta tgaaaaattt gttggtgagt 120

ccacaagatt gattgacctg tccattcaaa actaccacgt gtttctcaga tacatcaccg 180

agttactgag aaagctgcag gtggccacag ccaataatgt gagcccctat ataaagcttg 240

ctcaaggaga gctgatgatc accttctgat tcatctacta acaaattcaa attaaacctt 300

cacatagtag gagactttgt agactactat aaagaccatc ctgagccaga cctgcagtca 360

acagcaagag caagaagcac ataggaacta tacctgcaac caagctggca taagaaccaa 420

gaccttcaaa gcagcctg 438

<210> 979
<211> 258
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
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<222> (103)..(103)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctaggcctc tttgattttt ctctcaaaag cnatagctnt ctncctcnct ntnccttttgt 120

tgcngtggaa gactgaagat ataaatgagc atnactggga cgggacgtct gcgtgaagac 180

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ttaaagattt ctttccag 258

<210> 980
<211> 350
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(30)
<223> n is a, c, g, or t

<220>
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<220>
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<222> (38)..(38)
<223> n is a, c, g, or t

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<222> (40)..(40)
<223> n is a, c, g, or t

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<222> (42)..(45)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (180)..(180)
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<220>
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<223> n is a, c, g, or t

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acaacancaa caacaaaaac ccctntgttc tttagcaata gaataagtca gtttatgtgg 120

gaaagagaag aatttaaaat tgtaaacaca tccctagtgc atggtatgat tatgtaattn 180

ctttgctatt atgagaattt cttaaagctt ttagtttaag tgcctggcat tttattatcc 240

tgcttgactt ggtttaaaca ctntcttcaa tttacaacct ctgaatgaca tttgggtatc 300

atattaatta tcatacacat ttccttccac taaacattaa acactttgct 350

<210> 981
<211> 477
<212> DNA
<213> Mus musculus

<400> 981
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atccaggtca tgagcctact cagtttttat ggttctctac ttatggaagt agaaatttgt 120

acagtttgat aagaaagaga ttcagctgtt tttgatgttt cttaacttct cccacccctt 180

tccagggaag cttcatgcct ggacaagcca tgaagcagta gagtgctcct catacctttg 240

aagtagaaaa gatgcctgcc tgtttgtgta acaggctggg gaagattcca atacagagct 300

aatcagattg gcctcagaaa aaatactaac ttattcgttt tgttcctgtc tttcagtgta 360

gaagacttct gtatttttta aaatacaatt ttatttcttt caacgaattt aaaaaaaaac 420

acctttggaa caacaagaac aacaaaagta taattacttc ttctattgct tgcattg 477

<210> 982
<211> 188
<212> DNA
<213> Mus musculus

<220>
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<222> (65)..(65)
<223> n is a, c, g, or t

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gaggnggaaa gttgtatttg atgttcacgg tccgctcaga caagctgaaa agggaacctg 120

gagaagtctg cttccctgga ggaaagaggg acccggtgga cacagatgac acagccactg 180

ctctccgt 188

<210> 983
<211> 83
<212> DNA
<213> Mus musculus

<220>
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<222> (53)..(53)
<223> n is a, c, g, or t

<400> 983
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gaggcccttc ccaaagtatt aat 83

<210> 984
<211> 565
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (385)..(385)
<223> n is a, c, g, or t

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<222> (399)..(399)
<223> n is a, c, g, or t

<220>
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<222> (417)..(417)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (444)..(444)
<223> n is a, c, g, or t

<220>
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<222> (460)..(460)
<223> n is a, c, g, or t

<400> 984
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agcaggtaga ggctgccctc cagccagaga cgctgagaag gtggggccag cggttcctgc 120

ccagtctgtn ggatttgcac ctgccaaggt tttcaatttc cgcaacttac aacctggaan 180

gagatcctgc ccctcattng gtcttggcaa ncctattcga catggaagct gacttatcag 240

gaattatggg gcaactcaac aaaactgtct ccagggtgtc acacaaggcc atcgtggaca 300

tgaacgagaa ngggaactga ggctgcagct gcctctgncc tcctntccca gcccccancc 360

ctgaacatga cntcancccc acagncccac tataacagnc ccttcctgct tctgctntgg 420

gaggtgacca cccagantnt gctnttcttg gggaaagtgn tcaacccagc tgctgggtaa 480

ttgtggtggg gaggccacag gaaggcccaa cctgcacggc aggacccccc tgcatggcag 540

gacccctgtg cttcagttct aataa 565

<210> 985
<211> 347
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (311)..(311)
<223> n is a, c, g, or t

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ccaagcatct gagaccactt gcatacaacc tcacctggta ccagtaccac tctctggatg 120

tgattggatt cctgcttgct tttgtgacat tcattgtagc cctcattgta aagtgcttct 180

tgtttgttta ccgattcttt gtaaagaaag aaaagaaaat gaagaatgag tagaactcat 240

tgataatgca ttacatgaat aaaatttnac catcattctn atgttatgaa ctatctttta 300

aacactcact natcacttta cagaagcata tctttttgg agtttta 347

<210> 986
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<400> 986
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acagtatttt ttgcagactt tttgtcagta ttctctacac aataatagca tacattgtgt 120

tattttatca cagcnaacct agaaatgact taagagtata aagatgccag attatatcaa 180

aataaatgac acctcacatg taagaactga tcgtccatgg atttttggac ctttggtgct 240

cctggaactg gtattacagt gttatagaag gaagatgacc atggatttca actgcaccac 300

ttgtgtgtat gtaaggtgtg catatgtgca cactcacaca tgtacttaca taacacacag 360

tgagggttaa acagatataa atacagagga aaataccatg ggctaacagc aaaatctcag 420

aaatcagtag gctaaatggt aaatgctgaa atggtccttt gtaactatct gtgtggtaca 480

cttctaagca aacaccagtt cctatttaaa tggggaatac ctattttgta agcttca 537

<210> 987
<211> 463
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (141)..(142)
<223> n is a, c, g, or t

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atgtctgtgc acatgcagat gtgggatatg gtgaaggaga aagagtggac tggagagcag 120

gcagaaggga taaggtcagg nngtgtgtgt gtgtgtgtgt gtgtattgtg tgtatgtgtg 180

tgtccatata acttcacgat ctaaatgtct tgcaaaagta tcattaacat attactttat 240

tttctgtgga gaattattat gctttaaacc aatattccat catttctaaa tgcatattta 300

ccaggttttt tggtattaca tagaatgcaa ttattacaga gagtatttgt ataatctggt 360

ttatctgagg atagtttgtg gaaatgaagt gattgtgtca gtaaaagttg tttgggtgat 420

atatagtgcc aagtcatgga gcagacgtgc agaaatggaa aag 463

<210> 988
<211> 407
<212> DNA
<213> Mus musculus

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<222> (42)..(42)
<223> n is a, c, g, or t

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<222> (72)..(73)
<223> n is a, c, g, or t

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<222> (91)..(91)
<223> n is a, c, g, or t

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<222> (122)..(122)
<223> n is a, c, g, or t

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<222> (136)..(136)
<223> n is a, c, g, or t

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<222> (186)..(186)
<223> n is a, c, g, or t

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<222> (319)..(319)
<223> n is a, c, g, or t

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<222> (330)..(330)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cactggtttc tnnatgatga acatcgatct nttttatact aattcaacag tgggaaggtg 120

cngagagcct cctggntcag agagagtgat ggtggaggca cagaatagga ctctggtgtg 180

gctttnaagt ctgagggtct ctggtaattc taactctcta actgtattga aatgctggtg 240

acaacatcta aaaaaccata aaactttctt tgctctttct gagggtaaaa aacctgcaga 300

cttaggtgat taacaactng aagccacaan aaaccnaaac ttatgggaca cnaatgaaag 360

cattcctaag gaggnaanac ncatagctct gactgccacc aaaaaga 407

<210> 989
<211> 517
<212> DNA
<213> Mus musculus

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<222> (45)..(45)
<223> n is a, c, g, or t

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<222> (172)..(172)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 989
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tgtgtgttcc tgcacaaagt agcccgtctt ccactcgaag ccttaagagg ctgagaaaat 120

gagagggccg gataacatca cttttacaag acaaagtgga ggcaggaggc cntagatctt 180

tggcaggtcc atccaagaaa gggagtgtca cctctggaat ggaacaatgc cggcactgtt 240

cttcctgggc cgcacgtgga gagcacacag cacaccacta acacttntag agctcaacgg 300

gaagctcaaa gggctgtctg atctctatct attttttttc ttgtagttct tgcttatggc 360

taccagccct acaaactgtc aacaactctg aaggatgctc ttgcatctct gcctctctct 420

ttcatcagta cttcatgtga ataggaatgt ggcaaatagg agagatttgg gtttnctgtt 480

attatttttg ttgctgtgta tgcgtaattg cctgcca 517

<210> 990
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctaaggcatc ttatnatnta cactactacc ccagnagaca ccactttgac acagttccta 120

atgctttg 128

<210> 991
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<212> DNA
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<222> (31)..(31)
<223> n is a, c, g, or t

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<222> (45)..(45)
<223> n is a, c, g, or t

<400> 991

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tcatcttcat ggggaaggtg gtcaacccca cagcacagca gacctcggac tagctggtct 120

gttaccagca ggagaatgtg actggggagt gctgggtatg aataactctg catccacgac 180

ttggggtagg gaagggcccc tgacaccaag agca 214

<210> 992
<211> 214
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (119)..(119)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taacgcaact gacctcctag ggggtaacac naatacatag ncacactgag ggncnnagna 120

gtggcaacta tcatcactgt acatttggag aggntgtgaa gcctgtgatt tctctctcag 180

gccttccaca aggccaccct agacgtgaat gaag 214

<210> 993
<211> 254

<212> DNA
<213> Mus musculus

<400> 993
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gaaactgcga tgacgaagtg tacgagctga tgcggcagtg ctggcgggat cggccctatg 120

agcgcccccc ctttgctcag atcgcactac agttgggccg catgctggaa gccaggaagg 180

cctacgtgaa catgtcgctg tttgagaact tcacctatgc gggcatcgat gccacagctg 240

aggaggccta ggct 254

<210> 994
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (292)..(292)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 994
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agagctgccc cgaggagcac gcacgtgtac cttggctgcc tctctggcgg tccactcctc 120

aaaggcacct cagagacaac tgggccaggg aggtgganca ttcgctgggc nagaggacct 180

ggtcacagat ggttctggaa tacctggagc ctttgtgatg accagaggac actggctgct 240

taccagaatg tgacactacc cagactgggt cacagcaggt gggagtgctc tngactaagt 300

nttctntgaa ccctcgatcc ttttcacctg ttnctgaggg acccagcncc aagttgactt 360

tcgancctcc cctattagac gantcactga accctgggtt ttcatcacac cccacttctn 420

cnngngaaaa agcactgatg caggctgctg gctcagcctc gtncacctgg acagacacan 480

cctgcngccg gagctgnccc ttgccagggg aactggttga tntcttgttt ttctcacttc 540

tagttccact gttta 555

<210> 995
<211> 532
<212> DNA
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<222> (85)..(86)
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<222> (323)..(323)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (507)..(507)
<223> n is a, c, g, or t

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atcctagccc ccacccctgc cccannccca gtgtgccagt tcataagaat ctgcattttg 120

acaacatcca cagggacatt gtccagtcat ttcaggacaa ctggtcttaa gagtttccaa 180

cctttgtaga acatttaaat gtcggttaat aataagtagc aggccatgtt aaggccattt 240

attatcaaga aactgaggaa ttttctctgc atagctttgc tttctggata caataaaatg 300

agaaggtaca cacctctaga tantgccaca cagagtccag aagggttttg ttttaagtaa 360

gctaggaatg agttcatatg ttagtgtaag gaacaaatgt attatatgtg tntcttttng 420

taaagaaagg tttttcttta cggttttgta agctcagcat atttgtacat atttatttat 480

tggagtttcg ctagaacaca agcaaancct ttgcttatga cgtcacatgt ac 532

<210> 996
<211> 425
<212> DNA
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<400> 996
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aggagagacc gagcagccac aagctggaaa ccaccggcca tgaacttgtc ccaggaacca 120

aacacctccc ctgcacctgt tcattcctcc cagtggagac ttcagattgg aataccttgg 180

gatctcctca ccccacttta cagaactgcc caatccaggg gctctgggat atggctgccc 240

gggattacag aaagacacgg cactgccgtg ccacacccat gctgcttaga agcctaagcc 300

tctgccttca agctggatcc tgtgcagggt gggcaggcaa gaactcagac atgcccagcc 360

tagcccaggg cggcctgcat ctggccccag aagcctcctc acctggactg gcacaacttc 420

ggttg 425

<210> 997
<211> 352
<212> DNA
<213> Mus musculus

<400> 997
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ataggagacc gccagccttc ctcacgatga ccctggaggg gctgggagaa cacaagggac 120

aatagcagcc atatttgggg ctctggaatc atgtggtccg aggtgtaaat aagcattcta 180

ggggcttggg tttttgtttt tgttttcctg tcaggaatta attttgaaaa ctccttgagg 240

aatgtccagc agaatgaggc tcaaagggac tgcatagatg aaggcagagg gggagaagcc 300

ctgtgtagaa cagcctgtgt caccgtcagg tgtctgatgc ttccctcggt ct 352

<210> 998
<211> 508
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggtacacaag atggactggg ttgcgacctg acggcgcccc cagtgtgctg gagtgggaag 120

gacgtggcgc gcctggcttt ggcgtggagc cagagagcag cggcctattg gccggcagac 180

tttgcggacg ggctgtgccc gcgcgcgacc agaacgatgg acttttcgtt aacattgacc 240

aagaactgca tggacctaac attcgatctc attcagtatt aaaggggggt gggaggggtt 300

acaaactgca atagagactg tagattgctt ctgtagtgct ccttaacaca aagcagggag 360

ggctgggaag gggggggagg cttgtaagtg ccaggctaga ctgcagatga actcccctgg 420

cctgcctntn tcaactgtgt atgtacatat atattttttt ttaatttgat gaaagctgat 480

tactgtcaat aaacagcttc ctgccttt 508

<210> 999
<211> 442
<212> DNA
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<220>
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<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<400> 999
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aactcggcac attcgggacc aatatattgt gggtacatca agtccctctg acaaaacagg 120

gcagaagaga aaggactctg tttgaggcag tttcttcgct tgcctgtttt ttttttncta 180

gaaacttcat gcttgacaca cccaccagta ttaaccattc ccgatgacat gcgcgtatga 240

gagtttttac ctttatttat ttttgtgtag gtcggtggtn tctgccttca caaatgtcat 300

tgtctactca tagaagaacc aaatacctca atttttgtgtt tgcgtactgt actatcttgt 360

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gctttcagtt atcgacagtt gt 442

<210> 1000
<211> 524
<212> DNA
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<223> n is a, c, g, or t

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<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
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<222> (352)..(352)
<223> n is a, c, g, or t

<220>
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<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

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gcccgctctc agagtccngt tgaccatcac tagccgggcc ctgctcagaa cagactacag 120

gcacttttaa gaacttgacc gacctttttct tctatgcgca gttggccacg acgtgggtgg 180

aacgctcaga tttcatcggt gaagtnaggc accaaactgc cgcgaacagt tcctactgag 240

atcctggggg cactagatgc tgccttaatg tccagtggca cctgctaacc tgaaagggca 300

gctggnagaa accccggggc tgccagaggg acgtgttaaa aagggcattt tntttgttag 360

tggagaagaa cctactgaac caaaggactt agccttggac ctggtctcac tccagcantc 420

tccccaaggn tgggggcccn tgtaggtacc agagccttag aggggttgcc ttcctcctgg 480

aagcttgggg cttggggggt gggccgggca agaatttgct cagt 524

<210> 1001
<211> 297
<212> DNA
<213> Mus musculus

<400> 1001
gaaggccgtc tcagtgctaa gttgacactc cggggcaagg cgctgcgagt gaagctggac 60

cttcgaaggt ttcaaatcta ctcaaatcag tctgcgctgg agtctctggc gctgatccca 120

ctgcaggccc cactgaagac actgctgcaa atcggagtga tgcctttgct gaacgagcgt 180

acctggcgtg gggtgcagat ccccccttcct gagggtatca acttcgtgcg tgaggtggtg 240

accaaccacg cgggcttcgt cactgttggg gctgacctcc actttgccaa agggctt 297

<210> 1002
<211> 448
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<400> 1002
gcgcaagctg cacattagtc acgacaatat aggtggccca gaaggcaaaa gggcccggac 60

ggcctacact cgctaccaga ccctggagct ggagaaagaa ttccacttca accgctacct 120

gacccgccga agaaggatcg aaatagctca tgccctttgc ctctccgaga gacaaattaa 180

aatctggttc caaaacagga ggatgaagtg gaaaaaagat aataagctga aaagcatgag 240

tatggccgcg gcaggggggg ctttccnccc ctgagcatct gagcggccaa agtactgagc 300

agtagtagcc gggcagctct ctgtagtgtc agtactaagg tgactttctg aaactcccct 360

tgtgttcctt ctgtgaagaa gccctgttct cgttgcccta attcatcttt taatcatgag 420

cctgtttatt gccattatag cgcctgta 448

<210> 1003
<211> 542
<212> DNA
<213> Mus musculus

<220>
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<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (452)..(452)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (488)..(488)
<223> n is a, c, g, or t

<400> 1003
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taaaggccag agcagtttcc agaagccatt aataagctgt taggtacaga aaagcacctt 120

taagtagaga attagatttc tcctttccag aatagaaatg atcctcccct ccccggagca 180

aaagaggcag tttctagaca gtagcctact ttttggaagg gttaatttac tcctaattta 240

agtagcaggc agtgaacaga cagaaggcag aggaaagcat tgttttttn ttttttnnnt 300

ttttttttn ngagagtgag tttagtaatg tagaatgtnt tcnatacaan ccgtattctc 360

attgtgagaa ttgtaatact taatagaata tttcagagtt tttgtttaaa ccacaaatta 420

cagaatccac ccnagaaaat gtttcccctc cncttcctgg aattggcatc taaggntcct 480

ctggcttntc ctctgttgtt taactcaatg gtctctaggg ttgatctttt caattcctgg 540

ta 542

<210> 1004
<211> 497
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<400> 1004
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tggtgcaact ggactttgat tagcaggcat tacagcgacc tgcagaactg cttggaatac 120

aatgcagaca agtttgggct gggcttccca aatcccttgg cagaaaacat catccttgag 180

gctcacctga tacactttgc gaactgctcc ctggtgcagc ccaccttctc tgatccccca 240

gaggatgtgc tcctggccat gatcatagcc cccatctgcc tcatcccgtt ccttgttact 300

cttgtggtgt ggaggagtaa agacagcgat gcccaggcct agggtccatt tctcagcagc 360

cattttccc ccctttccc tgctggaacn caggaatggc gntcntcccc tccctaccca 420

cttactntca tccttcccac agacctgtgg attggtggaa atggcagcaa aggggactca 480

cgacacaatg tttgtag 497

<210> 1005
<211> 598
<212> DNA
<213> Mus musculus

<400> 1005
tgccaatatc tactgtggtg tcattctcag ccatagcagt ctaagattag tcagtattag 60

ttttgtaata gtatttttga agctggattt ctctaaagct gaagtgccaa ttaaaatatt 120

tctataatgc ttgtagaaaa aaaatccaaa aattttgaaa gaaaacttct ctggtgccta 180

aaaattaact tggggagttt ttagctttta aaagttgcat ctattatttt tctctaatac 240

tttgttagag tcatggctga cacttttaga agcgactttg tatttttttg ttgataaacc 300

agccttcctg gaggttagtg ttttttcaaa tataacaaac tgtgtagggt ttaggagtag 360

tcagtgttat acttactgtt tagatatttt aatgtgaatc tattttaatt tcctttgtgt 420

tttaatttgc tcatagaaac attatatgta aaacatactc aagttcactt aaaagaactc 480

atattttatc gacataaaat ctctacttag gttttatgag aatattaaag ttgtaagtta 540

tcactcactt tcacgcatcc tccctggact atagagcaat tgaattcctc acaaaatt 598

<210> 1006
<211> 478
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<400> 1006
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atcgctacct tttccatcgg ctccactggc atcgttgtgt atgactacca gcggctcctg 120

acggcctata agccagctcc aggaacctac tgctacatca tgaagatggc tccagagagc 180

atccctagtc ttgaggcttt cgctagaaaa ctccagaact tccaggccaa gccctccaca 240

cccacctcta agctgggcca ggaggaaggg catgatactg gttccgagtc cgattcttcc 300

gggagagacc tggctttcct aggccttgct gtgagcaccc tgtgtggaga gctaccantc 360

tactatatnt agcatccaca gggtcggtag aaaccgcagc gggacaggaa agaccctccg 420

caaagggtnt ttgtcagaca agcaggaagc tgntcctgcc cagaaaccgg tggaagtc 478

<210> 1007
<211> 557
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (527)..(527)
<223> n is a, c, g, or t

<400> 1007
aaaagtgttt tgctgtgtac acataagata ctgttcgtta aaataagcat tcccttgaca 60

gcacaggaag aaaagcgagg gaaatgtatg gattatatta aatgtgggtt actacacaag 120

aggccgaaca ttccaagtag cagaagagag ggtctctcaa ctctgctcct cacctgcaga 180

agccagtttg tttggccatg tgacaattgt cctgtgtttt tatagcaccc aaatcattct 240

aaaatatgaa catctaaaaa ctttgctagg agactaagaa cctttggaga gatagatata 300

agtacggtca aaaaacaaaa ctgngggacn ntacatttat tttctatagt aatctgttgt 360

acattttaag nagtaanact aggaatttag gagtgatgtg tgacatttct gacatggagt 420

taccatcccc acatgtatca catactntca tattcccaca tgtatcacac atgtattgta 480

aaattttgta gttttgatca cttgtgaatt tactgttgat gtggtancca cctgctgcaa 540

tggttcctct tgtaggt 557

<210> 1008
<211> 444
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<400> 1008
gaccatcgag ctgacggcac actgaccggc accgggcagg ggccagtccc tcagcccctg 60

gaccactgga gaaaaggaag acgaagagtt tggagcacct ctcccnagca tcctctcagc 120

tggagaggca gcattggatc cccatgccgc acacggggat gggatgggag cagaagccca 180

tgatgggaca cttgggtgtg ggccagggac agggcctctt tggaattagg cagaacgact 240

gccacagctc agacctcaga gattgtgaag gcagtgccaa gctcacagca gttcaggacc 300

atcccagaaa ggggtgatag ccctgtttat ctctccaacc cagtatctca tgtgccaaag 360

ccttccccca ggtagacaga ggggacattg cctgagagct cttcaggaga gagatagatg 420

gttcgtcgag tgccatctta ttta 444

<210> 1009
<211> 337
<212> DNA
<213> Mus musculus

<400> 1009
aaggctggcc agctattgcc tgatgggtgt gacagaagaa attagcacca tccttggatc 60

ccagcagttg gttgctgacc tcagtcattg acactgggac aaggtgtcct ctgtgtcctc 120

agacagacag ttggcccaga gcctggggat cgtgtttgga gagggcacag tagagagagg 180

acaaggggtg tggtaagatg tccccactct gaagcagggt ggggcagtag agaagggcca 240

gttaaagggc atagctggac actcctgcca aatggtactc ctatcctaat ctcagctcga 300

gtggtatgct gcgagctgta ctaagcactt actctag 337

<210> 1010
<211> 534
<212> DNA
<213> Mus musculus

<400> 1010
gattacctgg atatcggcaa caacccccga gtgggtacca aaagatacat ggcacccgag 60

gtgctggatg agcacatccg cacagactgc tttgagtcgt acaagtggac agacatctgg 120

gcctttggcc tagtgctatg ggagatcgcc cggcggacca tcatcaatgg cattgtggag 180

gattacaggc cacctttcta tgacatggta cccaatgacc ccagttttga ggacatgaaa 240

aaggtggtgt gcgttgacca gcagacaccc accatcccta accggctggc tgcagatccg 300

gtcctctccg ggctggccca gatgatgaga gagtgctggt accccaaccc ctctgctcgc 360

ctcaccgcac tgcgcataaa gaagacattg cagaagctca gtcacaatcc agagaagccc 420

aaagtgattc actagcccag ggccaccagg cttcctctgc ctaaagtgtg tgctggggca 480

gaagacatag cctgtctggg tagagggagt gaagagagtg tgcacgctgc cctg 534

<210> 1011
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<400> 1011
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cccctgtgta ccccatcctt aaggttttct gtctgatgag actggaggcc cagtgcaatc 120

cccactgaga cagcctgcag cccactgtgg ctcttggtgc actcaccagc caggactaga 180

caagtaggaa agggcttcta gccacactgg agaaaaagaa aatcaggtag ggctggccaa 240

agacatcttt gtccattcgc aaaagctctt gtcggctgca gtgtgtaagt caggcgatga 300

gacagaggct accagagaaa cggatgagaa cagcancctg aggtttctna tccagatatc 360

cagcaattgg ggggtggggg aagaccatag atggtcctgt attattccga ttttaataat 420

ctaattcgtg atcattaaga gactttagta aatntccctt ttcccacaaa agtaaagaaa 480

agctatcggg attctctggt tctgcttaaa gact 514

<210> 1012
<211> 564
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (481)..(481)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (498)..(498)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (526)..(526)
<223> n is a, c, g, or t

<400> 1012
tgccctatac atttgctctt cctatataag ttggtgaact ttcctatata acaacataga 60

ataacaacaa cagaaaatga taagtacaga taaatggtta attgttgggg ctgggaaaat 120

ggcccagtgg ttaaaagtat tcattcctct cgaggaccca ggatcaattt ccagcatcca 180

catggcagct cacaaccatc tggaactcca gttccagaga atccaatgcc cttctggcct 240

ttgtggaaac tttcatatgt atggtataca tgcatacact acactacact acactacaca 300

cacacacaca cacacacaca cacacacaca cacacacata cacacacaga gtaaatcaat 360

ttcttanatt gtttaacttt cacggtactt cttggaaaca atgacattaa acatagattt 420

ntnccttttgt ggctcancct gctctttcat agtcaagctt gctcatttaa ttttttttata 480

ntcatatcca gtaaacgncc ttgtgtcata gtaagataaa atggtntctt actgactctg 540

tttacttatg tgtacaattc tgga 564

<210> 1013
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<400> 1013

acggtggtct tcatacttgt gagcatagca gttatcgttt tggtcgtctt gaccattaca 60

gtgctggggc ttttcaaact ctgcttccac aaaagccgtt cctccaggac agggaaggga 120

gctttggact caccaggtgt ggaatgtgat gcngaggcta cctctttgca ccacagttct 180

acacaatgca ctgacattgg agtgaagagn gggactgtgg cctgaaggac tgagcttagg 240

ttcttcactg gctgggtgcg ctcttggant cgggacactt agggaaacac ctcaatgctc 300

acatcttgcc tagacttttt cagtcccaac aattggggaa agaagaaaat tttcagtgat 360

tactgtggaa gtcctccttc ccatacattt tattttgtgc taaatctgaa agagacactt 420

gttccctgaa aggg 434

<210> 1014
<211> 558
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (480)..(480)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (495)..(495)
<223> n is a, c, g, or t

<400> 1014
tacaatgaca atgtgtgtgc atcagggggt tgttacaact gagcaagagt ctttgcaggc 60

aaaactaggg gaaattgctt tccacagaat taatagtgta aaaagnaaat aacaaataaa 120

natataacac cttnctatga cttgagatnt tagcntataa taagaaatat cacacattca 180

ggtggtaaat aattaaggaa taataatnaa aaacaatctg gttgaancca aagaccttgg 240

agaatatttc aggtagatta gagtnctgcg atttttgtaa gtgttgtaaa gttgtgtgaa 300

gagaaacaga gaaataaact cactcttggg agnaaatgaa actagaaaat aaacttgagt 360

tatatttttc tagantcatt tttatactct tgattgtact aagagttgat ttaaagttan 420

gcaaatatcc tataataaaa taacctagna aattaagaga gttcaatata tgaatctgtn 480

ttctaaatat aaatntatgt gtttaatatt gtttcactga agaaacaaat tgagagcttg 540

cttcatatga atgtggtt 558

<210> 1015
<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<400> 1015
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ctggaccttt cctccttccc atcttgtctg caatgtggca aatggcttct ttttgcattt 120

ttactccgcc cccaccccaa gctgaagttc atttgcagat cagcgattaa gtctgaattg 180

tgtggtggtc agtcttgttt ccttttgtca ggggttattg taaatgttag taatttcgcc 240

tcaagccctc agtaagaaca taaatatttt aaaatatgtg cgtttgaaat ctgtttcatg 300

catcctggaa ctgtgggatg ctcaggcaag agtgacttta gtctttcagt gaatgttncc 360

cagaatgtgg gtagggaagg ctcacaggtt actctc 396

<210> 1016
<211> 266
<212> DNA
<213> Mus musculus

<400> 1016
cccttggtag ggaataactc atctttaacg acaaacttaa ccctaagggc tatttctaac 60

acagacagag gaatcagctt gcttttcctg ttaaacgttt agggagtgtg ggagatgcac 120

agcattaaat aacagttggt tccatttaga aagtacccaa gggaagaatg gacaaataat 180

gagagccctg gcaagtggtg ttataaaaac gttccaccaa aagcctacat tggcttggca 240

ttcccacgta cctaagaagt tctgtt 266

<210> 1017
<211> 173
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
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<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(148)
<223> n is a, c, g, or t

<400> 1017
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gtttaacggc agtgtcatcc cctttgcact gtaatgagga aaaaaaanan aggtatnaaa 120

aggttnccaa attnctgcat atttntnncc gtaattatgt accatgaata ttt 173

<210> 1018
<211> 324
<212> DNA
<213> Mus musculus

<400> 1018
acaatcactg tggtcatgct gtccatctgc tgcagctcag cttcttcgga catctgccca 60

ggatttcttc aagtccttga ggccctcctc atggaatcag agtctggtta tgtggcatcc 120

ctgaagcctt tcaaccctgg ctcagacctg caaaatgcgg gcacccagct gaagagactg 180

gtggataccc tcccacaaga gaccaggata aacatcatga agctcacgga gaaaatccta 240

acaagtcctc tgtgtaagca agatttaaga ttctgaagct cactggattt cagagatatt 300

ctactgctaa agccttgtca ctgc 324

<210> 1019

<211> 528
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<400> 1019
ggtgcgagag aacgtatccc aaactgggat ttctaaggca acgctaactc agaacactac 60

canccaagag acaccgcggg tcctggctag gcccactggg gacggacaga gactttctcc 120

gtgtctaatt aatatttatg tatttatgta tatcctccta ggtgaaggag gggtgtatgt 180

aantatttat tctaacttat gcaggggtng cngagatatg cctccctgct gtaacacaga 240

tatttattac gatttatagg gtcggtaaga cangagttgt gggagggagg acccgggtgg 300

taggactccc agcttgggga ttagtctggg ggggggtgta ataagattag gggtaacact 360

ccgtcttcca gcacttcaac tctgtagtct gttgtaaggc tttggaagac ccttgggaat 420

ccggcctttg atgtcttctg gttgcttctc aggggcagct gcaggagtct tgggtccatg 480

gattgtcaga gggcggctgt ctggggtcgc ctagtatgta tgttctgt 528

<210> 1020
<211> 413
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<400> 1020
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gctcagtgac tctggtgttg ctttcttcat ggactcattg gccaagcctg cggtagaacc 120

cgtggccgcc cttgctccag ctgcagaggc tgtggcaggg gctgtgccta gcctaccatt 180

aagccacttg gccatcctga ggttcatcct gnccagcatg ggcatcccat tggatcctct 240

natagaggga tccaggaagt gtgtcaccga gctgggccct gaggctgtag gagctgtgaa 300

gtcactgctg ggggtcctga caatgttcgg ttgaggggaa cntgggaaaa ttctgcctga 360

cgagatgcct gacgagatat ttttctttaa caagagctgg aaaccctgct gct 413

<210> 1021
<211> 357
<212> DNA
<213> Mus musculus

<400> 1021
tatcgtgtga gctttctggt cagttgttga ttttttttt taagccataa gttgtatgta 60

gctgtgttgt ggttgctata aactgtacaa gaaatctgca acccatccat tctgaggctt 120

gttctcttca tgaaacactc actaaactat attaagaata tttctgtttt ataaacaaga 180

catatctttt aaatttcact tcagtgtgga aggatggaag atagcctctc agaaagatat 240

ttttaaatag tttcaaacca tgaaagtaga attctgttaa aaacggtctg tgcttccctc 300

ttgtggtaca agaaggcatt cgatctctca atgctgtttc cataattttc ctcgaat 357

<210> 1022
<211> 421
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (275)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<400> 1022
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acaagacact ctgaaagtgt gctttacccg caaagaaatt atcaacgatt cttttctcag 120

aaatgaaatc ttcctatttt atatttactt cttggattcg ttttactact gacatcttta 180

gagaatcatt atctttgtct tatgaatata atcaaaattt atatttttca gaatgtttat 240

ttcttgagat ttttcttctc tgtattttaa agagnnagca gcttccgttc taaaatatga 300

tttttatgag gcttttcagt tcggtaagag taangcaagt ggattgtaat aagaacaatt 360

atgaatacgt attcagactt aaatttaact attatntcag ctatctcagt atgctatata 420

a 421

<210> 1023
<211> 326
<212> DNA
<213> Mus musculus

<400> 1023
ggagatctca atatacacag tgcaagttgc aagggccctt attgagagga gctttacaca 60

atgatttgtc cttgaaactc tcagaataag atcaagttca acggtttttc cacagtgcat 120

tctgcatcat gcttccatgg agaataatag aaataagtca tgaactttcc taaattgaat 180

cccagagtag tactaagatg gatgtcttgt ctgctgtacc agctgggaag aaacaaaaaa 240

tgctcttcat ctgtcagctt tggctaagct ctgaacatct tttgcttcct gtaaaaccac 300

catgcttgtt tcttgctctc acaata 326

<210> 1024
<211> 544
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

<400> 1024
ctctgggctt gacactcaac gtaaatatgc ccgtagttgg aagtcttttg caattggctg 60

tgaagctgaa cattactgca gaagtcttag ccgtgaaaga caatcagggg aggattcatc 120

tggttcttgg tgactgcacc cactcccctg gcagcctgaa aatcagcttg ctcaatggag 180

tcactcctgt tcaaagcttt ntagacaacc tcacagggat attgactaaa gtccttcctg 240

agctgatcca gggcaaggta tgtcctctgg tcaatgggat tctcagcggt ttggatgtca 300

ccctggtgca caacattgct gaattactga tccatggact acagtttgtc atcaaagttt 360

aggcatccca ggaaggaagg ctatcttggc tgagctgaat catttcttgc tgctcagtct 420

cctgcctctt gcccagtctc ccatggctca cagaaagggg cccacatcct ggaaaattat 480

ntcttccttc tcctcacgga gcctgatctc ttcccatcag gcacgattaa tcctgtgatc 540

ctca 544

<210> 1025
<211> 483
<212> DNA
<213> Mus musculus

<400> 1025
aaagcgggct tccagacagt gctgctctga ggcagcagat ggaggcctta aaaggaaaac 60

tacagcgtct agaggttgcc ttctcccact atcagaaagc tgcattgttc cctgatggcc 120

gaagtgttgg agacaagatc ttcaggacag cagactctga aaagcctttt gaggatgccc 180

aggagatgtg caaacaggct ggaggacagc tggcctcccc acgttctgct actgagaatg 240

ctgccataca gcaactcatc acagcccaca acaaggctgc tttcctgagt atgacagatg 300

tgggcacaga gggcaagttc acttacccca caggagagcc cctggtctat tctaattggg 360

ctccagggga gcccaacaac aatggtggag cagagaactg tgtggagatc ttcaccaatg 420

ggcaatggaa tgataaggct tgtggagagc agcgccttgt tatctgtgag ttctgagcca 480

ctg 483

<210> 1026

<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<400> 1026
ggactgtgac cttgacctgt gccatctctg cccagccccc tcctcaggtc cactggataa 60

aggatggtgc acccttgccc ctggctccca gccctgtgct gctcctccct gaggtggggc 120

acgnggatga gggcacctat agctgcgtgg ccacccaccc tagccacgga cctcaggaaa 180

gccctcctgt cagcatcagg gtcacagaaa ccggcgatga ggggccagct gaaggctctg 240

tgggtgagtc tgggctgggt acgctagccc tggccttggg gatcctggga ggcctgggag 300

tagtagccct gctcgtcggg gctatcctgt ggcgaaaacg acaacccagg cgtgaggaga 360

ggaaggcccc ngaaagccag gaggatgagg aggaacgtgc agagctgaat cagtcagagg 420

aagcggagat gcca 434

<210> 1027
<211> 535
<212> DNA
<213> Mus musculus

<400> 1027
ggaaccctat cagacagtgc cgtggtttca attccaatgc aaacaagaat gccgtagagt 60

ctgtgcagta cggagtggcc ggcagcgcag ctttccttga gtgtcagccc cgctcgcctc 120

aagccactgt caagtggctg ttccagcgag atcccagtga tcggcgccgt gagattcgcg 180

cagaggaccg cttcctgcgt acagagcagg ggctgttgct tcgcgccctg cagcttggtg 240

accgcggcct ctactcctgc acggccactg agaacaactt caagcacatc gtcacgcggg 300

tgcagctgca tgtactgggc cgggacgccg tccatgctgc cctcttcccc ccactggctg 360

tgagcgtccc tccacctcct ggcacaggcc ctccaacgcc tccttaccag gagctggccc 420

agctcctagc ccagccggaa gtgggcctca tccatcagta ctgccagggt tactggcgcc 480

acgtgccccc cagccccagg gaggcgccag gagcacttag gcctcctgaa ctcca 535

<210> 1028
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<400> 1028
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tagacgtgga caccaggatt gctgtggagt ctggggtggg ggctcagggc actcggagga 120

gggagaaagg ggccatccca ggagacaggc ccctgcctgg gacagaggtg cctagtcaag 180

gccaaccttt cccaggtatt ttttccctat ttattgggga cagaagagac gtctgtctgg 240

gtgaggcaga accttctctt ctcccttcct tgcctgttgt cctggcaggt ccagcccact 300

ctacctcctt agcttttcct gtgccgcctc gactcatggg tggggctggg tgcgggcatg 360

gcttaaaaga acccccccc ccngccctga ggatacacgg gccgtggtgg aggcccaggg 420

cctntctggc atccccaagt ctcccttctg cctactgcct caggtgacgg g 471

<210> 1029
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<400> 1029

gagaacgcca agactgggtt cccgccacag tgctatgcct cccagttcca ggactacggt 60

cctccaggag ctcaaaaggt gtcaggcgtg gccagtcgac tgctggggcc atcgttcgag 120

ccttacctgt tgccggaact gaccagatat gactgtgagg tgaacgtgcc cgtgcctgga 180

agctccacac tcctgcaggg gagagacctt ctcagagctc tggaccaggc cacctgagcc 240

agggcctctg gccgggcatg cccctgcctg ccccgccgtc ttgacctgcc agcttcactt 300

ccatctgtgt tgctattagg tatctctaac accagcacac ttcttacgag atgtactcaa 360

cctggcctac tggccaggtc accaancagt gnccttttatc tgacatgctc actttattat 420

ccatgtttta aaaatacata gttgttgtac ctgctatgtt ttaccgttga t 471

<210> 1030
<211> 278
<212> DNA
<213> Mus musculus

<400> 1030
tggctttact gctgtacctc caccatgcca agtggtccca ggctgcaccc acgacagaag 60

gagagcagaa gtcccatgaa gtgatcaagt tcatggatgt ctaccagcga agctactgcc 120

gtccgattga gaccctggtg gacatcatcc aggagtaccc cgacgagata gagtacatct 180

tcaagccgtc ctgtgtgccg ctgatgcgct gtgcaggctg ctgtaacgat gaagccctgg 240

agtgcgtgcc cacgtcagag agcaacatca ccatgcag 278

<210> 1031
<211> 320
<212> DNA
<213> Mus musculus

<400> 1031
acggttctgt ccattcttga tgagatggag aatgtgtttg tctgggagca cctgcagaca 60

gctgaagccc aaagtcgagg tgcctggttg ggcatgaact tcaaccccaa aggaggcacg 120

ctggtctggc aagacaacac agctgtgaac tattctaact gggggccccc tggcctgggc 180

cctagcatgc taagccacaa cagctgctac tggatccaga gcagcagcgg actgtggcgc 240

cccggggctt gtaccaacat caccatggga gttgtctgca agctccctag agtggaagag 300

aacagcttct tgccatcagc 320

<210> 1032
<211> 426
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<400> 1032
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cggtggnccc aaaccccaca gcaggagtgg acagcatggc gagagaggag gtgtacaggc 120

tgcaggctcg ggttgatgtg ctagaacaga aactgcagtt ggtgctggcc ccactgcaca 180

gcctggcctc tcggtccaca gagcatgggc tacaagatcc tggcagcctg ctggcccatt 240

ccttccagca gctggaccga attgattcac tgagtgagca ggtgtccttc ttggaggaac 300

atctggggtc ctgctcctgc aaaaaagatc tgtgataacc tctcaccacc caggctggat 360

agagcnantc atccctagat cccttgtagc cagagttcag gcgctgtctg gtggtgccta 420

tgagca 426

<210> 1033
<211> 528
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<400> 1033

aagcctctat atctttcatt tgggagacct gagaacaaga gaatatttcc ctttccaatt 60

cgggagacct ctagacactt tgctgattta gctcacaaca gtgataggaa ttttctacgg 120

gactccagtg aagtcagctt gacaggcagt gatgcctaaa agccactcat gaggcaaaga 180

gtttcaagga agctctcctc ctggagtttt ggcgttctca ttcttatact ctattcccgc 240

gttagtctgg tgtatggatc tatgagctct cttttantat tttattataa atgttttatt 300

tacttaactt cctagtgaat gttcacaggt gactgctccc ccatccccat ttcttgatat 360

tacatataat ggcatcatat acccctttat tgactgacaa actactcana ttgcttaaca 420

ttttgtgctt caaagtctta tcccactcca ctatgggctg ttacagagtg catctcggtg 480

tanagcaagg ctccttgtct tcagtgcccc agggtgaaat acttcttt 528

<210> 1034
<211> 413
<212> DNA
<213> Mus musculus

<400> 1034
tgggctttct gactgcattc caaagtcccg gaaaacatca caggcaccag ctatgaagct 60

ggtatctatc tttctgctgg tgaccattgg tatttgtggt tattctgcca ctgcccttct 120

catcaaccgt ctccctgttg ttgacaaatt acctgtacct ttggacgaca ttattccctc 180

atttgatccc ttgaagatgc ttctgaaaac cctgggcatt tctgtagaac atctggtgac 240

aggactgaag aagtgtgtgg acgagctggg accagaggct tccgaggccg tgaagaagct 300

tctggaggct ctttcacacc tggtataaaa tcttcataaa gagatttaag gaaggagtat 360

gaaaagaagg atttgctcac tctggctggc tggatctctc attctatcat ttg 413

<210> 1035
<211> 564
<212> DNA
<213> Mus musculus

<400> 1035
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tcacagtgac aagagcttag gagagaaggt gccacttcgg ttacacagtg agaagccaga 120

gtgtcgaata tcagccattt gctctcccag ggactctatg taccaatcag tgtgtttgat 180

atcagaagag aggaacgagt gtgtgattgc cacagaggta taaggcagga gcctactcag 240

acacccagct ccggcccagc agctgggcct tccttctgca ttgtttacat tgcatcctgt 300

atgggacatc tttagtatgc acagtgctgc tctgcggagg aggagggaat ggcatgaact 360

gaacagactg tgaacccgcc aagagttgca ccggctctgc acacctccag gagtctgcct 420

ggcttcagat gggcagcccc gccaagggaa cagagttgag gagttagagg agcatcagtt 480

gagctgatat ctaaggtgcc tctcgaactt ggacttgctc tgccaacagt ggtcatcatg 540

gagctcttga ctgttctcca gaga 564

<210> 1036
<211> 361
<212> DNA
<213> Mus musculus

<400> 1036
aagcattcca ggttcactcc agtagggaga gttcagctat gccatctctc tggacatctt 60

cttcgccggc ctttctcctt gggaagagtt tggctcattc ctttacttcc tggagtcatg 120

gctcagatct caccttgttg gtgaggaagg aggcactgtg cccaccctgc tcaatgccct 180

gtctatacac tgatgctcat gtgcttctgc acacacaata ttttcactct gtacagggat 240

ttctcctgtc gtgctccctg cagactgcct cgagcccacc cacgcaggtg agctgcagag 300

taaggctctc ggtgaacagc tccctgctct cctcagactc ctaccacaga agcttgtgtg 360

t 361

<210> 1037
<211> 129
<212> DNA
<213> Mus musculus

<400> 1037
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tccctgtgaa tggcactgga gaaatcaatc aactgtcttt cttgacatgt gaaaagagac 120

ttctggagt 129

<210> 1038
<211> 456
<212> DNA
<213> Mus musculus

<400> 1038
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agattctgca aacaatggga gtcctcagct tgcaaggatc catgctgtca gtgggggata 120

aagtcttttc caccaatggg cagtcagtca actttgatac cattagagag atgtgtacca 180

gagccggtgg ccacattgct gccccgagga atcctgagga gaacgaggcc atcgcaagca 240

ttacaaagaa gtacaacacc tatccctact taggtgtgat tgaaggccag actcctggag 300

acttccacta cctggatggg gcttctgtga actacaccaa ctggtaccca ggagagccca 360

ggggtcgggg caaagagaaa tgtgtagaaa tgtatacaga tgggaaatgg aatgataagg 420

gctgcctgca gtaccggctg gccatttgtg aatttt 456

<210> 1039
<211> 529
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (503)..(503)
<223> n is a, c, g, or t

<400> 1039
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tgtactaatc tctgtcaaga caaactgtag catttccacc ccatcctcct ccctccctca 120

cagaattctt tactagaacc caaagtagac agaccgtact ttgtggcaga gccatgaagc 180

atctgccgta gccgtcattt aagccacaga acagcagant ttgattntac atctcgtggn 240

cagcctggct ggacatgcgt gttaacatca ggaacactgg ctccaacatc ggctctgtaa 300

cccctaactc tgctctttnc cttttcccta cctaagcatt ccatggctca gggctagagt 360

ctaaagccga aacccagaga gggaagggcc ctgcctgtaa gaatgggttt ntcaaggtga 420

ncatnctgtg tgtnaaccna aaccaccatt tcctcctgta gnaantnaga nctcagactg 480

aatcttagaa tatttttaa atntcctttt cacaatcatg taccgggaa 529

<210> 1040
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (97)..(97)
<223> n is a, c, g, or t

<400> 1040
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cagtggggaa ggggcttcca gtcgccgggg tagggtnagg gtccgcctgc ctcgggtagg 120

cttggcttcc ccttctaaag tctctaaggg acaggagggt gatgcaacct ccaagtcccc 180

agttggggag aagtcaccca aattccgttt tcctagggtg tccttaagcc ccaaggcccg 240

gagtgggagt agggaccggg aagaaggtgg attcagggtc cgactgccca gtgtgggatt 300

ttcagaaaca gcagttccag gttccaccag gattgaggga acccaggctg ctgccatctg 360

aagccccagg acagctgtgg attccccctc ttgtctttcc attccccagc ctagcccccc 420

attttgtgtg tgacattact agcactaatc ctcagagggc ttgaaggtgg gtaactgact 480

caggcaggag ccagtggcct gtgccacctc attggccaaa gtgcctgtat atcatgtc 538

<210> 1041
<211> 514
<212> DNA
<213> Mus musculus

<400> 1041
ggaatcgtgg gatctgctta ctgtgtcatt gtggcatcac tgggtttggc agaaggacca 60

aagtgcagcg atgcccatgg agtatggaac tacacctttg ccagcactga gggacagtac 120

cttctgaatt cctctatgtg gtccaagtgc tatgagccca agcatattgt ggagtggcat 180

gtgactctat tttctatcct cttggctttt gccgcagttg aattcatctt gtgtctcatt 240

caagtaataa atggaatgct tggaggctta tgtggctatt gctgctctcg ccaacagcaa 300

tataactgct aaaaaagaac acaagacaga agggcgtgct tcctgtattt cactgtaatt 360

tgtatatttt ccctgtgttg tgagactttg caccttgtgc cacatcctac cctttctgct 420

tttgtaagga aatgtgctga cgtcatcaca tgatgtcagt gtttacattc acaaaacaaa 480

caaggcagca aactgcactc tctccgaagg gatt 514

<210> 1042
<211> 442
<212> DNA
<213> Mus musculus

<400> 1042
gaaagctgag acattgtccc caactcttct tgatgtattt attaatttag agttttacca 60

gctatttatt gagtaccctg tatatagtag atcagtgagg aggtgaatgt ataagttatg 120

gcctggaccc tgctgcagat gctgtgagag tctggggaaa gatcacatgg gtcgagggtt 180

tctctactgg tcaggatgct tttctcatat aagggtcgac ttttttcacc agtcacataa 240

acactatgtg gactggcagt ggttctctgc ttcctccaca tcctggagcg tcccagcacc 300

tccccaccta cttttgttcc caatgtcagc caccatgcct tagcagctga acaatcgagc 360

ctcatgctca tgaaatcatg gtcccaggcg gctccacctc aaagagaaag cctggaagga 420

aatgttccaa ctccttagaa gg 442

<210> 1043
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<400> 1043
gaactacctg ataagtcggc cagagagcca ccaagtcaat cctcaacaaa aataccatct 60

tccctactta aaagtttttt ttnaaagtcg tgatatttta tagttagagg agagagagag 120

agagacaaac tattcccatg actaagatac aaacctacaa gtaagggtta ttcagtcatg 180

cctgtgcctg atttctggac cagggccctg gttttcatgg acagtccaga ggaaagtcgg 240

gggtttccac tgatttccaa gctatcagca gcacactaaa cccaggagtn taagaaccaa 300

cnnnnnagtc aagagtaaga ggatgttgat ctcagctgtg agctcattag caggttttac 360

tcatgcatct gttaaagcta ccaccacatc cttttgcaag tctgtttatt accgcttnat 420

ccaaatacat actgtgggca agatgcacac agtgctatga atacagtact ttaagaatct 480

ccattcaaca tatcagaata tgtccagcca catctatgt 519

<210> 1044
<211> 187
<212> DNA
<213> Mus musculus

<400> 1044
gagggatgag gcccctcccg catcaccacc tgcctccagt ggcctggagc ctgattgtgt 60

gttgcgcctt ctacctttcc ctgtctctct atgtctgcag gcctgaggtc caagagactt 120

gtgatgttat ttgttttctg taaagtctgt ctcagggccc agctgggcat ttgcagggaa 180

gctgtat 187

<210> 1045
<211> 547
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<400> 1045
gggcggactg aatgcatgct gttctttgct ttgagcggga nccttggttg atgccttccc 60

agaatgcact tggctctctt cgcttccact ggagacccga ccacgtgcct ttacccatag 120

tggaacacag tgccttgtgg catgcaatag gtgcttaata aatactcatt gaatgtatgc 180

acgcataaat ggatgaacaa gtaacgacta gggatgtttg aggtgctaag ggtttttttt 240

actctagttc acgggtattc taaggtcaac agctagtctg tgccaattag taatgttgtc 300

tgttttgctt tgtgaactat tctcgtttcc acctgttcca gctgtgtgag cttcatgatt 360

gtgtgacaac tctntcctgg acagatagca cagaaattgt tacatgggct aaacctgtnt 420

tggcaaaccg aggaggcccc caaatcacac tctgcagatt ccatgcgact tctagtttta 480

tccctgtttt ggtgttattt ttaatttcta caaatatgta tttccttgga ctttgtaccc 540

gagaaag 547

<210> 1046
<211> 466
<212> DNA
<213> Mus musculus

<400> 1046
ttcagcgagg agatccatcc attatttccg tcaatggtac tgactttacc ttccggagtg 60

cgggtgccct cctcctcatt gtggatgcct gcagtgtgcc cttccgggtg aaggaaaagc 120

ggatgttcct ttctgcagac gtcagtcaca tggaagaata tttcaaggct agcatccccc 180

caaggtcaat cgttctgttg agcacaagag gagaaattaa gcagctgaat atctcggatt 240

cattagcagt tctgggactg gccaagccag cacatctgta cagcaaaggt agtgtcgtat 300

ttttgggatt cagcggaaac ttcgcaccgt catggacgaa gctgttcacc agtcccgatg 360

agcagggcct cggagtgctt gagcagtttc tcccgttgca gatggaggaa tatgggtgct 420

cccggaccgg cagtgtccac agaagagacc ttgacctgtt acagca 466

<210> 1047
<211> 455
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(275)
<223> n is a, c, g, or t

<400> 1047
agaaaagttc atcttcctcc gtggagggcc gagnctgatg cctgtangtt gtgtccagga 60

gacattctag gacagctctg tgacttgtgt aactttacag aacatgctac ctcaaagtgc 120

tgtgacaaac catttggact gtagtgctca caggatgggc acgtgtctta atcaaagttt 180

ggttacttgt ttatccgggt tttttggatg tggggttttt tgtttgtatt tttttttctt 240

tttctttcat tctttttttt ttnnttttnt tttnntacag tgagatctta cctattaaat 300

atatttagtg ggtcatggtt cctgaaggtg agtgaattga ttgtgtgtgc agatgtgtgt 360

gtgttatgac ttaaatatat ttgttttgtg ctgttttaga gttccttttt tatatatatt 420

tggagaaagt atgcaagttt caaggcactc agtgt 455

<210> 1048
<211> 526
<212> DNA
<213> Mus musculus

<400> 1048
agcggatggt tttattggtc actacaaatt caggccgaaa aagtttccca caaccaccac 60

cacgcccgtc accaccacac tccccgtaac tacaggtcta aagcccactg tggccctgtg 120

tcagcagaag tgtagacgga tggggactct ggagagcaat tactgttcaa gcaacttcgt 180

gttagccggc acagttatca cgaccgtcac tcgaggtggg agcttgcacg ccacagtctc 240

gatcatcagc atctacaggg aaggcaacct ggccattcag caggctggca agaacatgag 300

tgtcaagctc actgtggtgt gcaggcagtg ccccccttctc agacgaggtc tcaattacat 360

tattatggga caagtgggtg aagatgggcg tggcaaaatc atgccaaaca gctttgtcaa 420

aatgttcaag aataagaatc agaagcccat gaacgcactg aagaacaagc agtgttagcc 480

tgagctctgt cacataacct gaacttactc atcaccgctg aacgat 526

<210> 1049
<211> 494
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (99)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (159)..(159)
<223> n is a, c, g, or t

<400> 1049
gtgggcactg gatttggatg atttccaggg cacctgtcag ccgaaggaat tcttcccgct 60

caccaacgcc atcaaggatg ccctggctta gctcccccnn tttcccatat ggtaccccca 120

ctctctggcc aggagtttaa tctcttgcaa tgttaagtnc cccaactgag cctcagtttc 180

tccttccctt ggcacctgtg taaggggcca cagcaggctc agctatggag aacagggaac 240

tagggtagga cgatggtggg gttgtgagag tcacagtgtg agcagataca caaccctgtt 300

aaggaatgca aattctcaga ctctaacctc cctttaccca gcctgaccaa aggacaccac 360

ttggatcaag taggcaaata tcttacagga ttgagggacc atactaatta taccctctgc 420

aaagcccaac ttgaatcctt cccttaggaa cttaatcgtc ccacttccct ttccctaatt 480

ccacagctgt tcaa 494

<210> 1050
<211> 464
<212> DNA
<213> Mus musculus

<400> 1050
gctgacctct ggagagtgtg caccaacagc acaaactgta ccgagatcaa tgagctgacc 60

ggccctgaag cgtttgaagg ttattctgtg atgcaggcgg tgcaggccac catgatcctc 120

tccaccatcc tctcctgcat ctccttcctc atctttctgc tccagctctt ccgcctcaag 180

cagggagaga ggttcgtcct gacgtccatc atccagctca tgtcctgtct gtgtgtcatg 240

atcggagctt ccatctatac agaccggcgc caagaccttc accaacagaa cagaaaactc 300

tattacctac tgcaagaagg cagctacggc tactctttca tcctggcctg ggtggccttt 360

gccttcactt tcatcagcgg cctcatgtac atgatcctga ggaagcgtaa ataagtgtca 420

gaagtctgac caccctccca cagggtggca tccatggtca cata 464

<210> 1051
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<400> 1051
acatgggaag gtctctcctt ttcttcccgc ccttttttct aatgtggatg cttccattaa 60

tcctctgttt ctggagcctt ggaagatctg tcttccattc attcatccac ccatccatca 120

ttcaacatga atgggtcatg tcacgtgtng ggtgcnaagg gatactcttt caaaacaatc 180

cctcacgaga ctcacagtct agtgaagagc acacgccaga aaccaattag agaagctacc 240

aaccacgatg gaacatcagg gattcaaaac ctcggggtga gagggagcct actttctctg 300

tgttcttcta agagccctga tggctctcga ttgntctgaa cagaggtcca cttggtcnag 360

tgctatcatg ggtnagtgcc cacgaggttt ccccagagaa ta 402

<210> 1052
<211> 508
<212> DNA
<213> Mus musculus

<400> 1052
gactatattc aggtcatgac atatgatctc catgatccta agaatggcta cactggagaa 60

aatagtcccc tctataaatc tccatatgac attggaaaga gtgctgatct caatgtggat 120

tcaattatta cctactggaa ggaccatgga gcagcttctg agaagctcat tgtgggattt 180

ccagcatatg gtcatacctt tatcctgagt gacccttcta agaatggaat aggtgaccct 240

actgttagtg ctggaccacc aggaaagtac acaaatgaac aaggactcct ggcttacttt 300

gagatttgta catttctgaa tgaaggagcc actgagatct ttgatgccac ccaggaagta 360

ccctatgcct atctgggtaa tgagtgggtt ggttatgaca atgtcaggag cttcaagttg 420

aaggctcagt ggctcaagga caacaattta ggaggtgccg tggtctggcc cctggacatg 480

gatgacttca gtggttcttt ctgtcacc 508

<210> 1053
<211> 436
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<400> 1053
tcagtatact gtcccctcgg agtgtcaggc gggaggcgtc ttcttcctcc tctccatcct 60

tagtcagacg cgcacggacc atgtcggcgc agaccgcgag cggccccacg gaggaccagg 120

tggagatcct ggagtacaac ttcaacaagg tcaacaagca cccggacccc accacgctgt 180

gcctcatcgc agccgaggcg ggtctcacgg aggagcagac gcagaaatgg tttaagcagc 240

gcctggcaga gtggcggcgg tcagaaggct tgccttcgga atgcagatct gttacggact 300

agggagccag gcccttgagc ttgctcttgg aactccatct cttcttcctt ccctcggctt 360

acccaggctg ttttgnatgt ttcagtgcag tgttgaatgt ctcattgttt tgctgtcctg 420

ctatttaaca caatgt 436

<210> 1054
<211> 248
<212> DNA
<213> Mus musculus

<400> 1054
aggtggcccc agtactgttg agaatgactc tatctttgag cctctgagag acctgctgga 60

aatcagtact cctattgcat gtctccaaat ctccagggct ccaaggcatg ttcttcttcc 120

ctgtgaatgg cactggagaa atcaatcaac tgtctttctt gacatgtgaa aagagacttc 180

tggagtccac atctcatgtt gagtcacttc ccttttcctc ccaatagccc aagtccgcac 240

ttatcagc 248

<210> 1055
<211> 229
<212> DNA
<213> Mus musculus

<400> 1055
ggaaatcagt actcctattg catgtctcca aatctccagg gctccaaggc atgttcttct 60

tccctgtgaa tggcactgga gaaatcaatc aactgtcttt cttgacatgt gaaaagagac 120

ttctggagtc cacatctcat gttgagtcac ttccctttc ctcccaatag cccaagtccg 180

cacttatcag ctctccatga tctgggatct gtgctaatgg actctgtat 229

<210> 1056
<211> 585
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (520)..(520)
<223> n is a, c, g, or t

<400> 1056
acgcaagtca gatgcaggga cctatttttg ccagacagta gaacacaatt ttgtccatac 60

tgtgcgtaaa atcaccttgg aggtggtcga agagcataaa gtggagggca tgtttcataa 120

ggaccatgaa gaggaaagac atcacaagat gccctgccct cccttaagcg gtatgtctca 180

ggggacaaaa ccgtggtaca aggaattctt gcagctgatt ggctacagca acttccagag 240

agtggaagaa tactgcgaaa aggtgtggtg tacagataag aagaggaaaa agcttaaaat 300

gtctccctcc aagtggaagt atgccaaccc ccaggaaaag aggcttcgct ctaaagctga 360

gcacttccgc ctgcccaggc acacgctgct ctcctgaggg cgccctctgc cggcggctga 420

ggaacctagg atggaaacat ttttttaaag ggggggaaaa aaaaaagact gaaagcatgc 480

agtctctttc cattacttca aagaactttc tgtagtactn agaggctggg aaggtgtttt 540

aagttattct gcatattcat ctgactgtac aaacatctct ctcac 585

<210> 1057
<211> 584
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<400> 1057
taacatgtgg acgtcggtgt cgccatacac cagctacagc gttcagacca tggagactgt 60

gccttaccag cccttccccg cacactttac tgccaccaca gtgatgcctc ggctgcccac 120

catcnccgcc cagagcgccc agccaccagg aaatgcccac tttagtgtgt acaatcagct 180

atcccagtct caggtccgag agcgggggcc ctctgcttcc ttccctagag agcgtggcct 240

ccctgggatg tgtgagagga agccaccctc acctcacctg aacactgcca acgagttcct 300

ctactcacag agcttctcct tgacccggga gtcatcctta cagtatcatt cagggatggg 360

gactgtggag aactggaccg atggatgacg agactacctg tatccttaac agccccaggg 420

ccatgtcaat ccagtgttaa tctctgtggg tggccagcac tgccaagaaa catggaaagg 480

tatttcagaa tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg gtgtgtgcgc gtgcttgaac 540

ttctacacac atgtggtcag agagcatctg tcttctgaca tgca 584

<210> 1058
<211> 88
<212> DNA
<213> Mus musculus

<400> 1058
acggtttgtt cagtcgatgc ttagacttgt ttttcaaaga gacccccaag aaacatgagg 60

cagagagagc ctgtctggtg cattgcct 88

<210> 1059
<211> 352
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<400> 1059
ttccatgact cactttctca ccaggagcct tccaagttcc acnagctggt aatgcttttt 60

gaacagctcc aagtgacttt gccatttagc tcaacagaca cagatttggg gcttctgaag 120

tagaagtaaa gagcacctaa gatgtcctta ggtccatttt ttttaatgat tcatttcctt 180

cttggtcatg taactgnaca gnctgattca gaagaaaggg gaacgtaatc gagaatttca 240

ctcccaggtn ccaataagac attgcactac actgatggag gaagttatcc aaagtactgt 300

ataacatctt gtttattatt taatgttctc tcaagtgaga attgtttgtg gt 352

<210> 1060
<211> 462
<212> DNA
<213> Mus musculus

<400> 1060
ggaagctaat cccaattcct ctggacccca tcccccacaa cctttcccac cagccttcct 60

aacagcccag gtgaggtggc tcctgtcttg cagacccatg aacttgccag ggaggagcct 120

aggaaacaga ggggaaggaa gcaggtaggc tgcctccttt atgtgtggat acactataga 180

tggctcatcc tgtcccatgt gacctctctg tggctgggtg tcttggagga aggctctgga 240

tgcccttccc tgctacaggg tgagggccct ggaagggcgt gcctcactga gcatgctgaa 300

gcggccagta tataagtgga cagcctgggt tccctgacgg agccacgtag gctctgccca 360

caggaaagag cattaatccg tgaccacaca gtgggttcac tgctactgcc cacctcctca 420

tcccggaaca catcccctca gcctcagcca tcctttggaa gg 462

<210> 1061
<211> 517
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<400> 1061
ccgagtggac catcagggag tttaagatat gcagtgaaga acagttggat gcacacagac 60

tcatccgtca ctttcactac acggtgtggc cagaccatgg ggtcccagag accacccagt 120

ccctgatcca atttgtgagg acagtcaggg actacatcaa cagaagcccc ggggctgggc 180

ccaccgtagt gcactgcagc gctggtgtgg gcagaacagg gacgttcgtt gccctggacc 240

ggatcctcca gcagttggac tntaaggact ccgtggacat ttatggggca gtgcatgacc 300

taagactcca cagggttcac atggtccaga ccgagtgtca atatgtgtat ctgcatcagt 360

gtgtaagaga cgtcctcaga gcaaagaaac tgcggaacga gcaagagaac cccctgtttc 420

cgatttatga gaatgtgaat ccagagtatc acagagatgc aatctactcg agacattaag 480

aattcacctg aagatcccct ggataaaagc gtttcac 517

<210> 1062
<211> 309
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<400> 1062
gttagctaga tttcatcact actcagttta cttcctctta agataactac tctgtgcaga 60

tagcatattt aanttgggct tcttcaggtg ttagatggtg ttacacatgg tttggcatta 120

gggctctgtt gtgcttaatt ttctgctgcc tcgagtgact tttcttcatg ttctctggna 180

aactcatgtc tgcataattc aactttacaa aatcttatat ttatagtttc ttttatatgt 240

gtaaaaaact atttccagtg acttctgtaa agcattcatt tcaaggtact cactatgctg 300

atgatgttg 309

<210> 1063
<211> 504
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<400> 1063
atcgatgagt gcaactgtgc cccggcctgc agctccctgc ctgggacttc catgattgct 60

tcctagagcc cattgctaga aggcaattgc atccctnacc ccttatgtcc ctccacctgg 120

ggcagaacct gcacaactga ccatgagaac cttaggcagg caagctcccc gaggcccaca 180

agaaccctct gtggccctca ctgcctctgc tccaccctcc gcctgccact gttaagacca 240

gcatcaaaga gggtggtggg gcaatcaaga tccactngag gagggttcca gntgaggatn 300

tggccctgan gagcctgttg gctgttttgg cctcattntn tgtgagagcc tgtggctgtt 360

aaggntcccc acagcaagcc tgtgtgtcct ntgtcacata aaacaagccc tgtgtcaggc 420

atntcatgct cacaaaagca gatgggactg tccaagcaag atcagctacc agggatctgt 480

atcaggcaag gtggctgcct gctg 504

<210> 1064
<211> 448
<212> DNA
<213> Mus musculus

<400> 1064
gaagtttact tatgtttcat gcacacctta gacacttagc ctggcggtaa tttcagacga 60

aaatttaaaa ataattttcc acatgagata aagtctcaca gtgtgacatt tgcccctggg 120

gacagcatgc tgacaagcag tttcaggctt ggtaaaagtt tagttttcag atttttgggt 180

taaagctatg aggagctatg tacggcatga cattccataa ctgatattac tcaacacatt 240

ctcatgtata gcggagtgtg ggctgaagct aatatttttt tccagctttt atatccttag 300

cttttctact tccaaactaa ttttttttgtt gctgagaata atccattcat tttctctaat 360

acagcaacta cttcaacctt taatttatta ttaatgtatt tgaaagtgta ttattacctc 420

tatgtaccaa catatacact ttgtgtgc 448

<210> 1065
<211> 497
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 1065
tggccagccc catagttcaa aatcttccca cagggaaata caccacctgg ccgtgctctt 60

tggaaccagg cacatgtaaa ataaggaaag gaaaacaaca gaaggtcatg gagagcctng 120

gtgacttgag acttaatctc tggaaagcca aaataaacag agcatgagat gggagctggg 180

gcnacagata gcagccttgt tggctgagac tgtaaataca ggctggggct gagaagcctc 240

tcggttaatt gatctgcagc acgtagacag actttctttt ctttttactg ttgctggtgt 300

tctctagaga caaatacacg tttataagaa acctaaaagc aggaganccc aggagctgac 360

tcagtggtaa agcacttgcc cggcatgtac aaacaaggct tccagtccaa tccccagaat 420

ccactgaccc cacacacaca aagaaacaaa cacaagtatg catttccatt ttttacttga 480

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<210> 1066
<211> 445
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 1066
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ctggcaccca ggtacaggga gtccaacaca gcgggcaatg acatcttcca caagttctct 120

gccttcatca agaacccagt gcctacacag gacaatgccc tgtatcagca gctgctccgg 180

gccctgacca ggctggacag ctacctgcgt gcaccantgg accacgaact ggcacaggag 240

ccanatnttn gtgagtccca ccgccgcttt ntngatggtg accanttcac gttggctgan 300

tgcagtntac tacccaagct gcacattgtg gataccgtgt gtgcacactt ccgccagctg 360

cccatccccg cggaactntc ctgcgttngt cgctacttgg acagtgcgtt gcagaagaag 420

gagttcaagt atacgtgtcc acaca 445

<210> 1067
<211> 560
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttacacttg caagaatgtt aactgccaag ntgacctttc tatctgtgtg atgaggactc 120

aatgtataag ctgttgaggg tttgctgaga tcaaatgagc aagaaaaagg cacatattct 180

cagttttata gatcaacagc ctaaagcttt aaaagttcac attgccccat ttcctcttgg 240

gtctaatttt tnatgacatt acttttaatt gtaactacat tgcttttgaa aatattttta 300

ttgagctatt gctggtttgg gggaaagaat gatttttaaa aattgatctt atactcaacc 360

atctttttgg attcatattt ttcctttaat actttcaatg attcatatat cattgcattt 420

gtaaatgatg attttttttc ctgctcacat atatttatac atatatacat atgtgtcata 480

ggagaatttc taatacttca ccagtggaaa ttcattgtca aatctttctt gaatagatgc 540

ctgaagggtt ctgaattcat 560

<210> 1068
<211> 361
<212> DNA
<213> Mus musculus

<400> 1068
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caaccttggg tcagagggga cagaaaccaa acactaaaaa gccctgtcta cagtctctgg 120

gacacagcta cccctataaa gttctgggtt ctaatcctgt acatgactct tgtgggcaat 180

gagcctgtgg acagctccaa agtcagccac cctccctcat ctgtaagatg ggcgtccaac 240

ttgaatgcat tgtcaccaag gaggcttgcg atgcagtgcc ttggtgtgtg acacacagtg 300

tgccagtctt tcatgacatg agaggactaa tcctaggcca tactgtgtta aactccaacc 360

c 361

<210> 1069
<211> 336
<212> DNA
<213> Mus musculus

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<222> (139)..(139)
<223> n is a, c, g, or t

<220>
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<222> (294)..(294)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 1069
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gccgtctgtg gttccacaaa catcatcatg tttttgggga gtgactgtgg ttgtggttac 120

agagcaagaa gtcaagaanc cttccaggca gtgatggcta cttcaggtat aactaccatt 180

agagaggatg tggaatttct tttatctttg gggaagtttt gaaaagatag tcaaggaatt 240

aggaatttaa aattacaggg aaaaatatgt atgtgaaaag caataaatat tttnttctct 300

ttngctatca agatgttcac actcagatat ttatta 336

<210> 1070
<211> 479
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
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<222> (373)..(373)
<223> n is a, c, g, or t

<400> 1070
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cacttcagaa ccccagggct atggaagtgc ccttgtccaa cgctatggga atagtcctgt 120

gggttgtctc tgcttgccac tgtggccagc attccagtgc ctacagccac ctgtgcctac 180

agccacctgt gccatgagaa gtgcctctcc tgctctatgc cctgcatttg ggatgctaag 240

aagaggtgag ggtgtgagcg agaacagatc cacccttntc ctaggtagga tcagctctca 300

attggtgctt atcactagtt atcaaagaac agcagagaca gctgcgttat ccaagaagca 360

agtattagga ccnaaacctg ttactgtatt taaaggaact ttagtttgcg tatcttacat 420

ttttataaag tactgtaatt caggggtgtg ggtatgcaac agagacagac taacccatg 479

<210> 1071
<211> 528
<212> DNA
<213> Mus musculus

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<222> (318)..(318)

<223> n is a, c, g, or t

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<222> (474)..(474)
<223> n is a, c, g, or t

<400> 1071
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atgcaagacc cctgcccttt ccaggggcag tgtggcctct ctgcatctct cccttggaga 120

gagttgagta actttccact gagtgacagc tggaggaagg ggcatacaga cacaaagagg 180

cccaagcgag gcggaaatgt gccttcaact caccctcctt gtggaatcct cccccaacaa 240

ggcctttctg caggggacta tcgatagctc tgacatttgt ctaatcaata attagtttct 300

cttatttttt ttttttnac taatgatact tattataaga ctctagttct cacagacata 360

gaataaggtt tgctgtgtga taagcagttt gctatttagg ttaacaattt ttttttaatt 420

cgggtttctt agttagagga acaattcctg taagttttta tttcctttct gtantcattg 480

ctgtaaggat aatgactatc tattagtcac cctggtgcat gagatgta 528

<210> 1072
<211> 443
<212> DNA
<213> Mus musculus

<220>
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<222> (287)..(287)
<223> n is a, c, g, or t

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<222> (302)..(302)
<223> n is a, c, g, or t

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<222> (311)..(311)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (330)..(330)
<223> n is a, c, g, or t

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<222> (342)..(342)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atttctcttc aaataatctt tgagatccca gggagaaaaa aaaaaatgct ctgttgtgtg 120

gagctataat gtaaatgtgt ttgtttaaaa accagacgag gcaagggagt gatttattgg 180

tcctacggga ccgtagctga ttctctcctc tcagactcta aacacttctt tcccaaggac 240

agaaatgggt gactctgctt ctcactagca aactgtcatg gcatttntcc cactttctgt 300

gnagcgtcat naacatgata catnttntan tcaccagtac cnggcgtaag atccggtgag 360

ctgaaatgat ccacctttcg atgtganccc atccaaagag atgatcctgt tctggatggg 420

tgactttctg tatcagttac act 443

<210> 1073
<211> 531
<212> DNA
<213> Mus musculus

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<222> (422)..(422)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gacttagctt ccaggccgat ttccttaaga ctggggaacg aagaactatt tattctgcct 120

taaagggatg gcaactgggt ggagatgacg tcaggcgaat gtagactatg ggtacactcc 180

tagtgggcta atgtagcata gagagaaagc aggtaggtgt ttctctgtta tgtaagcaat 240

aacttttct gtgtcttatg gagtatgact agcaattatt tatttccatg ctagacggtt 300

ctttgcatgt gggttcctta taggtgcaga catctcggcc aatggaggtc cactggccac 360

tttgtcattt ggacgagctg ttactggatt gaaattcaca taccatttca ctaaaaattg 420

tnccttagaa aacncaaagc tgttgcacac agtgacgaac ggcagattcg gaacaccaaa 480

gggagacgaa gtcactccct agttcccacg gcttctctcg gaggtgtttg c 531

<210> 1074
<211> 493
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (311)..(311)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggaagaggca ccattcccag ctggggtaag actgccagct cttcactgat ccaaaccctt 120

tccaacacaa aactgttcat cttcctctgc accaatcctg ggagaactaa cggcatccac 180

atttcaatct cactgatctg tagtagcact ctctccagat gattaaactg tagcatcgtt 240

acggactcac tctctccaga ttaaactgta gcatcgttac ggactcactc tctccagatt 300

aaactgnanc ntcgntacng actcactctc tccagattaa actgtagcat cnttacggac 360

tcggagagaa gcgtgcttcc agtaaccaaa tgagctggag aaccagttag cttttaaaag 420

nctgatcatt ctntctcagt tttaccttaa ataccgttta tattttgtgt acacgtgaac 480

actttcactg gtg 493

<210> 1075
<211> 542
<212> DNA
<213> Mus musculus

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<222> (32)..(41)
<223> n is a, c, g, or t

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<222> (44)..(51)
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<222> (64)..(69)
<223> n is a, c, g, or t

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<222> (374)..(374)
<223> n is a, c, g, or t

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<222> (399)..(399)
<223> n is a, c, g, or t

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<222> (402)..(402)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (431)..(431)
<223> n is a, c, g, or t

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<222> (478)..(478)
<223> n is a, c, g, or t

<400> 1075

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ntgnnnnnnc tggtgcctag gagccaggat gcccacatca cctgccaggc ccttggcgta 120

tgtgaggccc cggctagccc tctgcagtgc ttccaaaccc cacacctgag aacgcggtct 180

ccagcctgct ccagaggaca agcctcagcc tgcaccctca gccctgtgtc agtctgtatg 240

tcccagctct aactacagac caccaccacc accaccacna ccaccaccac caccaccacc 300

accaccacca ccaccaccac caccacagtg gtttntggnt ccccccggtg atgggggcg 360

gcaggcccan gtcntntgga agccttcaga aggggnttng gngccttngc ctccaccaga 420

gccaagccag ntcccatagc tcccacagcc cacagggact gagaagaact gttgtggntc 480

caagaagaca tcgggtagaa gctgggtata gccacaccaa ccccttgcta acatttctat 540

ga 542

<210> 1076
<211> 120
<212> DNA
<213> Mus musculus

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<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

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ggnccaaagn tcagaatggg caggcagcag gcctggaagt caggctgtgc gctcacttgt 120

<210> 1077
<211> 70
<212> DNA
<213> Mus musculus

<400> 1077
tctgtctgtg acttaatgta actgttatca ccgcgcttgt gacctttac gtcattgttt 60

tgtgttcacc 70

<210> 1078
<211> 44
<212> DNA

<213> Mus musculus

<400> 1078
acaaccactt cttttcctcg gctatacata tacctcattc acaa 44

<210> 1079
<211> 120
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gggccaaagg tcagaatggg caggcagcag gcctggaagt caggctgtgc gctcacttgt 120

<210> 1080
<211> 288
<212> DNA
<213> Mus musculus

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<222> (33)..(33)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (218)..(218)
<223> n is a, c, g, or t

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<222> (226)..(226)
<223> n is a, c, g, or t

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ntccatntta agtttatnan nngtggccca tttgtnctgt tctcagtata tgcaaacaca 120

ttggacttca ctntttattc tnntanataa gaannncaan atggagatgt atacantctt 180

tgctatatta ggtttataaa ctgttttaaa aaaattcntc cttttnccaa aatgatgaac 240

taagtgattg gtaaacccta agccctgtat gagtggaggg atagttta 288

<210> 1081
<211> 114
<212> DNA
<213> Mus musculus

<400> 1081
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ggagccctga tatttcccct caataagggc agctcctagt tgatatattt gata 114

<210> 1082
<211> 321
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

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aaattttaaa ttaggaagga aaagaaaatc atcttccttg atttggacct gaactgtgag 120

ttttcagtgt tggtaacagt ttcacattcc cacccatcag acgtgtcact gggacacagc 180

cacactggaa ctcattccct aacactggcc cgcaaataca gcactgcttc aaagantgga 240

atggttcgct tgcaggtccc ggacaagctt ttattactaa atatttccat tgtaaaggag 300

cttcccgctt ttgaagtgca a 321

<210> 1083
<211> 291
<212> DNA
<213> Mus musculus

<400> 1083
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agtccctcga gggcagtcat gcacacaacc cagacaccag accccgtggg ccaacagatc 120

acaccatttt tgctgttttt aagttatttt aatttaatac attccccca gtggagacag 180

ttcacaaaac agttctcgaa tttaaatata caactttgac tagtatctat cacgtggtgt 240

caagccagat tttgtattta aagcatggag ttttaaattc cacatgcggg a 291

<210> 1084
<211> 546
<212> DNA
<213> Mus musculus

<220>
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<222> (67)..(68)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (406)..(406)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (434)..(434)
<223> n is a, c, g, or t

<400> 1084
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ccttccnngt gacctcaggt acgggagaga atgatgctgg attaggtgaa gagcatcggg 120

ttcttggtgc ctacaacaga ttcttcaccg agtttgttct agacttgcat cactaataag 180

atgctgtact gtgtctcaca ggccgtttaa tcaaacctta agctcacaag ccaacccaca 240

gctctgtgcg agagacttca tgcgggtttt tgtttaacaa gcttctaagt gattcctgcc 300

attaaaagca cagaagcaga agctattnaa gntgcccagg ttgagtggtg ncagtgctgg 360

accacncctt taatcccagt actccagagg cagaggcaga ggggantntg agttcaaatc 420

cagcctgcct ggtntacaca gtgagttcca agacagccag ggctacacag aaaaataaat 480

aaattctcag attatctaag attacaacgt ttgcttggga gggaccatga ctacctctga 540

gcttat 546

<210> 1085
<211> 515
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttccttttga gtttcaagaa tgagaagttt tcttaaatag taatgcaagg tcagtaatgt 120

ccgccaaagg gatgcagtgt tttatggtaa caattattct ggaaataagg tcgccccatg 180

gagccccagg ataagtctgc gctaattcat gctgccttac ngggcagtgc cacctttnt 240

tntccnattt ctactgcctt ggacagtcac caggagcacc tgnatagcaa tgcaccnttt 300

cnacaaggca agcttgaatt tttttatnca catacantcn acnattttta taaatgtgtt 360

aaacaatttg acccattttt atcataaata tttttagtga aatttttagt agtatgagtt 420

caaccacatt tgataaacta tggtttttt attgacttat ttagaattgt atatatgtgt 480

gcaattgtgt ggctaatcag ctgtctaaaa cttca 515

<210> 1086
<211> 278
<212> DNA
<213> Mus musculus

<400> 1086
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aacaacatgt gtacattgat gcttgcctaa tgtagcatgg agacttgtac tcacgcacac 120

ctgtggtact tagggtccat ctgtctaatg ctggttaatg tcaaaagaag agggtatctc 180

aatggatgcc acccttgct ttgaccattg catgaactgc ttctaaatta ttttattacc 240

taaaatttta aaatatgcca ttcgttgcac acattcac 278

<210> 1087
<211> 519

<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (217)..(217)
<223> n is a, c, g, or t

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<222> (223)..(224)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (374)..(374)
<223> n is a, c, g, or t

<220>
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<222> (383)..(383)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cctttacctt gacttctccc agccatggcc ctggatcccc cagacaatcg tcttcgccca 120

ccgcatggtg ccaccaaaga tctctactgt cagtggtgac tcatattccc agagacttcg 180

aaaagctctg gcgctgggtt aaanaaaaaa anatcanaac atnnaantca aacaccctta 240

ggcaaaaggg gtggaggaaa gctccaccct ctccaagctc gggcaaaagt tcagcgaggg 300

atgattcgtg aatcaggctt gctccagctt tgcgaggaaa tgcactggcg agagcggaga 360

gcttgancct gcantcgccc tantctcacc aggtaggtga tntccggacc gcacgaccat 420

gcgcgacaaa cgctcctccg cgctaaactg ttaccaaccc ttcagaaaag catagatgtg 480

caaagattaa taaataatag aaagatgctc ccgcggctt 519

<210> 1088
<211> 489
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (314)..(314)
<223> n is a, c, g, or t

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<222> (352)..(352)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

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<222> (410)..(410)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aacctgggta tgggactcag agtcaccatg gaaaccagcc actgggtatg cctgtcagga 120

agcttctaga gtgtgttcac ggaagtggga agagccaccc tgcgtgttgg cagtgccatc 180

tcttcgtgat ctggggtcct ggacagaatg aaaaggagca agcaagtgga gtaccagcag 240

tcacccctct ctgcttcctg actgtgggtg ccatgtgacc agctgtttca tgttcctncc 300

nctgtgcctc cccnccatga cggactgtgc acgctcacac tgtgagccag cncgaaccct 360

tccttnttta aggtgctttt tgttacagcg gtgagacgac ggctaatatn ctgcagaaac 420

acgtgcncgg tgtgcagggc tcacgtggac gacacaatcc ctgctgcatc tcatttgact 480

agctctcag 489

<210> 1089
<211> 448
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (291)..(291)
<223> n is a, c, g, or t

<220>
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<222> (298)..(298)
<223> n is a, c, g, or t

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<222> (301)..(301)
<223> n is a, c, g, or t

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<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

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<222> (312)..(312)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (349)..(349)
<223> n is a, c, g, or t

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<222> (374)..(374)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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tatgagagac attttcttgg aacggaaaac taaaggagac accagcagtt tagtgtcaac 120

aaacactgag caacatagca aacaccaggc tacaaacact cctgatagca tctctttcca 180

tgaaccgcac tgcaaaagat aagctatgcc cagagaccag gccagcctcc tctgttttaa 240

tgagttccag gtcagtcaga gaccctgtct cagaaaacnn aagtggncga ntcctganga 300

ncnanaccag antntcacct ctgncctatg tactcatgtn ngtatatgnt tccacataac 360

cctgcaactg cacncacttg aacacacaca aanatatatg catacacata tatacataca 420

aaagttcact gatattacta catttgca 448

<210> 1090
<211> 456
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (56)..(56)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acatctacaa ggtagaggga ggctgtatgg ccaagctgga acagttcgtg gctgaccacc 120

tgctgctcat gggagcggtg ggtattgggg tagcctgtct tcagatctgt gggatggtcc 180

tcacctgctg cttgcaccga aggctccagc aacaatttta ttaaaggaca cccatgtacc 240

ctgctgactg gcccacccaa gggaccacat ctccacttcc tgaaccaggc ctgcaaagtc 300

atcgctgggg ctgtggactc gctccaccct atgcagaggc caccaaatgt ctgtggttgt 360

ggttcctgtg catcccgact ggcaggggcc tcagctaact cctccattcc taagtactca 420

nccactgcca aaatccttgc caagggatga tcctgg 456

<210> 1091
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<212> DNA
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tgcgaatcct gtgagtgcat ccaactgtgt caccaccacc cactgccaca tcaatgaaac 120

catgtgcaag actacgctct actccctgga nattgttttc cctttcctgg gggactccac 180

ggtgaccaag tcctgcgcca gcaagtgtga gccttcggat gtggatggca ttgggcaaac 240

ccggccagtg tcctgctgca attctgacct atgcaacgtg gatggggcac ccagcctggg 300

cagtcctggt ggcctgctcc ttgccctggc acttttcttg ctcttgggtg tcctgctgta 360

aagccatggc catctagctc cac 383

<210> 1092
<211> 496
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (287)..(287)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (383)..(383)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (429)..(429)
<223> n is a, c, g, or t

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<222> (455)..(455)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaaaccttgt cctgcagatt aaatgtgtca ctgaagtatg cctgagactt ccagccccac 120

atctgaagca tacctaggaa aaaactgctg ggtggccttg gagggcctgg gcattttcta 180

caagtttcac aatagtagca catatataat gcatgtttcc tttgactctc tcagtttctc 240

ctacagtgat gantngnnta ccaggctttc ctgctcattc ctttttncct ggcaggaaac 300

aatntcaaag tgnccaaatg agcnngattg tgttnanntg angatgtagt tacacttnnc 360

catgaacctt taactntttg ntncntntct gattgtgaga caaacttaaa tttccatcct 420

ntccccaant cctcagtggt cactatttca aaggnccctg gtaactntac tgggcatttt 480

cccagatgtt tacaga 496

<210> 1093
<211> 476
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (290)..(290)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (327)..(327)
<223> n is a, c, g, or t

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<222> (329)..(329)
<223> n is a, c, g, or t

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<222> (332)..(332)
<223> n is a, c, g, or t

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<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

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<222> (356)..(356)
<223> n is a, c, g, or t

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<222> (372)..(373)
<223> n is a, c, g, or t

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<222> (420)..(420)
<223> n is a, c, g, or t

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<222> (422)..(422)
<223> n is a, c, g, or t

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<222> (441)..(441)
<223> n is a, c, g, or t

<400> 1093
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ccagttttct gttttagagc caggcagctg ctagaacctt ccatntttga gcatctttaa 120

atcagattgt ctgagaattc agagggtaaa gagggctgat cagctggcac attttaagca 180

cagtggctgg aagtatggag tgctaatgct gacactgttg tatgcattgg aaggtggagt 240

cctttgctgt cagtcaagtg cttacctact naatgtgaca ctgaagctcn ctgggactgt 300

ggttgaagct nntctggcct gaggaantnt tnatnttgta ntaggaagca cacaancctg 360

tttccttatc cnnctacaca gtgagactat taaggaaaac taacaggatg gtggctcatn 420

tnctaccaca agggtgctaa nccttttcca aacacttgat atttctatag gacctt 476

<210> 1094
<211> 460
<212> DNA

<213> Mus musculus

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<222> (330)..(330)
<223> n is a, c, g, or t

<220>
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<222> (342)..(342)
<223> n is a, c, g, or t

<220>
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<222> (344)..(344)
<223> n is a, c, g, or t

<220>
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<222> (359)..(359)
<223> n is a, c, g, or t

<220>
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<222> (361)..(361)
<223> n is a, c, g, or t

<220>
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<222> (368)..(368)
<223> n is a, c, g, or t

<220>
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<222> (371)..(371)
<223> n is a, c, g, or t

<220>
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<222> (391)..(391)
<223> n is a, c, g, or t

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<222> (398)..(398)
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<222> (412)..(412)
<223> n is a, c, g, or t

<220>
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<222> (424)..(424)
<223> n is a, c, g, or t

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cgatgacaac cggtgtctgg tggacgtcaa cagccggcca cgtctcatcg agtgcagtta 120

cgccaaggcc aagaggatga agctgcactg gcagttctcc cagggaggct ccatccagaa 180

ccgcaagtcc aagcgctgcc tggagctgca agagaacagt gacatggagt ttggtttcca 240

gctggtgctt cagaagtgct cgggacaaca ctggactatc accaatgtcc tgaggagcct 300

ggtntcctga ccctccacag gcgccaccgn ccaccgcttt gntnactgtg tagcatcanc 360

ntgcaatncc ncctgctgtc acgtggggct ncccggantc tgagagggag anccaagtgg 420

gtgncctccc cccacaaaag agctttgtat ttcctattca 460

<210> 1095
<211> 530
<212> DNA
<213> Mus musculus

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<220>
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<222> (335)..(335)
<223> n is a, c, g, or t

<220>
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<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
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<222> (370)..(370)
<223> n is a, c, g, or t

<220>
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<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<400> 1095
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tttatgatgt cacaatgatg tgaagttcaa tgaaaatcta tgaagacagt aaagaggtaa 120

ataccctctc tttctggaac taaaatttaa tacaggggaa ctaataggaa tcacagacaa 180

ttagaaagca caaaacagga tgtcatcctc ttaagctgtg cagttaggta gttgctacat 240

tagtaataat ctgattcaga tgcttgcaca gtaaatagaa ttaattcccc accntctttt 300

agagatggag atagagctta gtgacaaagc acttntctag catttaggca ntccttantt 360

ctaacccnan cggtgtgaag gaactatatg catntntcat gagcatatga tgtatgatcn 420

cactcacttg tntcncctgt gtacacacct ggggcaaatg gaggaacttt atctaattca 480

agtcaaaaga agtatagaag ctccatgtac ggttcctata acttttctat 530

<210> 1096
<211> 511
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (345)..(345)

<223> n is a, c, g, or t

<400> 1096
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catttctgag ggtgctttgt agggaaagaa aggctggcac ttcctcagaa ccctctgtct 120

tgttaacggg tatcttttgt tggtgtgttt tgctcttaca ttacagatag aatatcgtgt 180

gtgagctgat gaataattac tttcagttat tttgcttttg tataagccat ctgagacctt 240

gctatgctgt ataagttgtg tgacggagca gtgtgagtat gaaataaagc agatcacttt 300

ccttttgtat tatctatgga tgccactatg aacgctgaca ttaanccact caagagtttt 360

ctatgaataa gtgtaagtaa atgctttgat atatataaac ctaaataaaa gattgtattg 420

agacagagac attggcaaag gaagttttaa ggcagttctt taggtgtaaa aggcttgctg 480

taaaatggtg cgttattcca cttattaaag a 511

<210> 1097
<211> 537
<212> DNA
<213> Mus musculus

<220>
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<222> (279)..(279)
<223> n is a, c, g, or t

<220>
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<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (489)..(489)
<223> n is a, c, g, or t

<400> 1097
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tgtgggagac aacccatatg gggaaaacta aagatgtcag gggggcgaca agaccaacac 120

agaagaaggt atgggaatat cagaggcaaa acatggtttc ccatggtctc aactgtagaa 180

gtgcaggagg gctatcatac acatgcacac agaagctgag gtcaggtgac ccctctgggg 240

acatgttcat aggcatccca tcctcacaga gaactgagnt attcaacaat gctcatggca 300

ttnctgatgc ttctgtcata cattggtatt ctcgaggagt ctatctgtat ttctctttaa 360

tgagttcttt cctagttctc acagctgttt ttataagaca gagggaaatg agcagatttt 420

ctaatcttgg agatttttat acagtaaagc attctagttg tcactgaaat ctaaatctta 480

gaattcttnt cttatttaaa tacatgtata gagacagtgt agattttcat gtaccta 537

<210> 1098
<211> 289
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<400> 1098
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gactttctct atgaataacc actataacgc tgtagtctag aaatcggtag actgctccag 120

gccctgcttg tgcagaggtg tggggngagt ccgggctacc tatatataca tatgtatgat 180

actcatgtac atttattacg ttacatatga atatattata tgtctctgtg tcattgtgtc 240

atcctacttc tgacacgatc ttccttggcc aggcagagca tggcttcac 289

<210> 1099
<211> 372
<212> DNA
<213> Mus musculus

<400> 1099
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aatatgaaaa gacctaacca agaccaagac ctcgctatga aatactagct taatccaagc 120

cttaaaattc aaaatattac ccaagttcaa tttctggttt ctggaggcac taaacatgta 180

cgtgtcacca tccttaccaa gtacttaccc aaaatttggt aagagggcac tgggtacctt 240

agcagcactc caacacagtt gagcgtggtc taacagagaa aagggataaa tggagcagcc 300

tgaaacaact ggagcagggt gagacccacc attagacacc aagccatggc agaaagcagc 360

agctagcacc tt 372

<210> 1100
<211> 433
<212> DNA
<213> Mus musculus

<220>

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<222> (360)..(360)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 1100
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ccaaacccag cttccttctg tttgtgggca tggtcccttg ggatactggt agataaaaga 120

agacgagaga ggagtgggta aaagctggag gagagttggg gagacagagg agaggaaagg 180

ggtggaggaa accctgagaa ttcagaaagt ggcaacctag ccccccccagt ggcatttgga 240

cagagtctag gtttggcaag ctctgggcag ggtcctctgg ggaaatggcc ctggaaaaca 300

caggaaaaag gaactcggta tcctaaacag tgcaccccta tacctggaaa cataggacan 360

ctcttgccca ctgccacctt ncccacggta ctgtactacg aacaccctga aaacgcccac 420

atgtgtgaac tgt 433

<210> 1101
<211> 502
<212> DNA
<213> Mus musculus

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<222> (35)..(35)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 1101
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ttgcgatacc aatcaacata aggtgttgtt gactcgggta caataaaact ctcaacacac 120

acaaagccca tcaggcaaga gtacagtaag cctaagggga cttgctgctc aaaccaaaaa 180

ttaactctga aggtcagtct acctgacatt acctaggcat ggtgttgtcc aagctgcgca 240

tcggtgcaca gtgtggcctg gcacacacgc aggcgggcga cggaacttga agggttattg 300

acatgcaaat gctggtgttt gatttcctgt gttgttgcct cagcgttaag ggcatttccg 360

tttgcagttn tactaaagac actctgagaa atattccgag tttcgtatta acctttcctg 420

tccatgtaac aacttcatga ccattactgc attgtcaaat tcctactgac gacattataa 480

ctgtacggga gcttaacttt at 502

<210> 1102
<211> 324
<212> DNA
<213> Mus musculus

<400> 1102
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attgcccggt tggcaaggcc ttgtaagctt aagaatctga atttgagctt caggacccat 120

attttacaag cccggtgtgg ctgcacacac ttctaatccc agcattgggg agggagatga 180

aaacagtatc ctgggtatcg ctggccagcc tcctctgttt taatgagttc caggtcagtc 240

agagaccctg tctcagaaaa caaaagtggg cgaatcctga ggagcaatac cagagtctca 300

cctctggcct atgtactcat gttt 324

<210> 1103
<211> 420
<212> DNA
<213> Mus musculus

<400> 1103
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ctttccagaa ggtcttccca actgagaatg taagggaaga agcaagagct agccccgtct 120

ctgaccctga gatagaaagc tatttatttg tgttcagtgt tcgaggcatg actagtgttg 180

ctaattagtc taataaatcc ccacacttcc tgcagtgaac actaatggta ttgttctaac 240

ccttttttct tctttgtaag tggtcagtca ttcacagtaa gctatgacgt aagctgtgtt 300

ctaacataca aaccgtagtt gtaagacaat tccgtgaagg ctcattccca cccacccgca 360

cataccacat tgcattgtag ggttgacttt agttggcacc gcacctgtac attatacatt 420

<210> 1104
<211> 310
<212> DNA
<213> Mus musculus

<220>
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<222> (39)..(39)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (186)..(186)
<223> n is a, c, g, or t

<220>
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<222> (189)..(189)
<223> n is a, c, g, or t

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<222> (192)..(193)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (219)..(219)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (263)..(263)
<223> n is a, c, g, or t

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<222> (266)..(266)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccgagaagat cntgcagagg gcgggatagt cagtgttctt caagataaag aatcgctcca 120

cctactggcg gacagaaaag atttccaatt cacgccccac tttntnnnnn ccngcccaac 180

cccnanccna gnnacatttc cagnacctag agacctntnt tcnatnntnc ngnnctaagn 240

nactgaagag acttnggggg ganttntttg tttgttttta agggnatgga tttgagggaa 300

caccaggttc 310

<210> 1105
<211> 363
<212> DNA
<213> Mus musculus

<220>
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<222> (32)..(32)
<223> n is a, c, g, or t

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<222> (153)..(153)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 1105
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acagtacatg agctttgatt tatttttctt ccaccaatgt gattagtttc cactactctc 120

aagcaagagt ccgcaatgcc aaagtcatgg tgntctgaga atgttgtcgg tcggcaaatc 180

cactacacat ttctaaagaa aaatagagag gcatgaccat aaaaattaaa tgctcttctt 240

ggcaataatg tatatttacc acgtgcctct gacnttctat aaatattgcc tgcaccggaa 300

ccatttctgt ccntactatc tctccttgag ttttttatgg ctcaccctga ggcatagcat 360

gaa 363

<210> 1106
<211> 435
<212> DNA
<213> Mus musculus

<220>
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<222> (143)..(143)
<223> n is a, c, g, or t

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<222> (146)..(147)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (270)..(270)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (295)..(295)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtaa aggaggtggc accagaagcc 120

aggccagggg tgaggcagag ccnccnncaa tncaaaaggg gaagtagaaa ggatggagaa 180

gtngggntct gaacataaac cgtatatctc ctntgatttn tgaccaggtg caggagaagg 240

cctgataatg tcacatatnt cggttctttn cctgtagaaa tnttaagtgg acganccatc 300

agaaccataa gagtaccact tngtatcctc attgaaatta gtactactgt gactcaaaag 360

ctgatagtaa agaaataata ctctgtagag aaaaaggttt caagctgaat tgattcatgt 420

actgactaat acaga 435

<210> 1107
<211> 200
<212> DNA
<213> Mus musculus

<400> 1107
agggtctctg tattcctata tatacaaagg taacttgtat cttttactta aaaattatat 60

tattaacaag gtaaatatat cctaatacta tgtgtttatt atatactata tagtcaagaa 120

tactaagttg tagaaatatt tagaaagcat acctttgaat ttaagtatct aatgcctcaa 180

gcaaatctgc tagtttcaga 200

<210> 1108
<211> 123
<212> DNA
<213> Mus musculus

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<222> (40)..(40)
<223> n is a, c, g, or t

<220>
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<222> (79)..(79)
<223> n is a, c, g, or t

<400> 1108
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aggtggtacc ggtttcatnc cagagtcagg ttaagagcgt acgttttact cctgattgtt 120

tgt 123

<210> 1109
<211> 179
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<400> 1109
aaacagggtg agagttcctc ccgctttctg agcaggcacg gtaggggaaa gtaactgaaa 60

tcacaaaaga agagaagaaa gatgggaaag agaaagcttt cagactttga aagantcttt 120

ttgagtgata ttggatggtc cttaaaatgt attcattacc tgacaataaa gtttaactg 179

<210> 1110
<211> 240
<212> DNA
<213> Mus musculus

<220>
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<222> (27)..(27)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (77)..(77)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (98)..(99)
<223> n is a, c, g, or t

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<222> (126)..(126)
<223> n is a, c, g, or t

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<222> (131)..(131)
<223> n is a, c, g, or t

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<222> (144)..(144)
<223> n is a, c, g, or t

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<222> (199)..(199)
<223> n is a, c, g, or t

<220>
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<222> (201)..(201)
<223> n is a, c, g, or t

<400> 1110
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ttttnctgaa ctgaggntcc ttcctntnnt gataattnnt agcttgtgtc gagccatgac 120

agaaantgag nttccaagag catnggcctc attttcttca gccagtggtt ggtagaattg 180

gaccagggcc aaggtgtcnt nttcaccttg tgacctctag tttcctgtgt gatatcccaa 240

<210> 1111
<211> 407
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (86)..(86)
<223> n is a, c, g, or t

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<222> (88)..(89)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (126)..(126)
<223> n is a, c, g, or t

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<222> (131)..(131)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (353)..(353)
<223> n is a, c, g, or t

<400> 1111

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ttttnctgaa ctgaggntcc ttcctntnnt gataattnnt agcttgtgtc gagccatgac 120

agaaantgag nttccaagag catnggcctc attttcttca gccagtggtt ggtagaattg 180

gaccagggcc aaggtgtcnt nttcaccttg tgacctctag tttcctgtgt gatatcccaa 240

acagggtgag agttcctccc gctttctgag caggcacggt aggggaaagt aactgaaatc 300

acaaaagaag agaagaaaga tgggaaagag aaagctttca gactttgaaa gantcttttt 360

gagtgatatt ggatggtcct taaaatgtat tcattacctg acaataa 407

<210> 1112
<211> 172
<212> DNA
<213> Mus musculus

<400> 1112
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gtagatttta ttatgtacac aaagacaaat ggaccctgag aaatgtatgc gtttgtaaac 120

ttgccatggg tccgaatatt ttcaagccat gtaatccatt aattttgtgg ga 172

<210> 1113
<211> 343
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

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<222> (114)..(114)
<223> n is a, c, g, or t

<220>
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<222> (126)..(126)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (129)..(129)

<223> n is a, c, g, or t

<220>
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<222> (131)..(131)
<223> n is a, c, g, or t

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<222> (137)..(137)
<223> n is a, c, g, or t

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<222> (143)..(143)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

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<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<400> 1113
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aatattttca agccatgtaa tccattaatt ttgtgggaag cttaataant cngnagcttt 120

tatttnttnt nattttnatt gtntnttagt tgactgaatt tnggtgaagt ttttttttt 180

tttatgcnat atttcctgtg taatattttg taantccttc acctgtttct tttatgggga 240

cttttcttnt ggggcaagtt cagtgtattt atgtgaaact ttataagaga actaattttt 300

ccatttgcat attaatatgt tcctctatac atgtaaagac aca   343

<210> 1114

<211> 542
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<400> 1114
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cacacactta tacacataca cactcggtgt gcttgcacac acacacacac acacacatac 120

acacacacac acacacgaac aaggaacacc aaaacagtgt tgattgttgt gtttaaagac 180

atgttttttt ttcacctgaa gaatggactt aaactatgta tttaaaaaaa aatagcctca 240

gtgttagaga tggtgaatgt atccagtttc agttacnaaa acaatttcct gaattttaag 300

cattcagtga gctgccaatt ttgattttgt gttgcttttn atccaaatgg ctttctcttt 360

tcttttactt ttttcttttt tctttgtaaa ttggaggaag tgggggggcgg ggagcagcaa 420

tattgtgttt gaaaaattat actctgtacc tggctttcct gtgttatgtt aaccacttca 480

atgtttttat tctgctttgg ttttatagtg tctgtgaggc attcgatgca actatacagt 540

ta 542

<210> 1115
<211> 216
<212> DNA
<213> Mus musculus

<400> 1115
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gcagagtcaa atctaagaca tcgttttcaa tggctttaaa gtaaatgacc aacataattg 120

tactgaagag cccagcagga gctctgctct atcttaacgg gctcagaaga ctgaaggaag 180

ttcaggtgta aagccaggag tggcactttc caaaga 216

<210> 1116
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<400> 1116
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tacatgcctg gagcgaggat gccggctggc agaagatgga cagctgagag aaagtacttg 120

agtgttcaag ctcagaggag catatcatcc cttcagagta gggaggggag tatccttggt 180

ccatcagcat cacacgtcac cagaacgtca gggcggccgg tatgaactct ggagatcact 240

aaactctttg catgctgaat agctatttat atattatata aataaataaa tatataaata 300

aatatatatc tcacaaatgc gggccacatg tcaaattcag ctttgctttt tttacaaata 360

aacttactga aaacaaatgc tgaaggaagt atttggaaag acatctattt aaatttttat 420

tacgtttgat gttaaagata aaacatatat atatattata aatncacact gcagataaag 480

ctttattaga aaacacacta gctgacaggc ggtatgaaac ttcaa 525

<210> 1117
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<400> 1117
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ttatcattat cattactacc atcaccacca ccactaccac caccgtcacc atcactgtca 120

tcaccagctc agggtgctac gcatcatcat ggtgttttat taatgacagt aactggatga 180

atcccacctg tctctaactg agagcaaaaa ggccagacag aagaggagca gaaagaagag 240

aagcgggctg ctttccttca gcttcatacc cggggaaacc gagtaagcct ctgggaaggt 300

ctaccctgat tccttcccca gagcactgga taatgtggaa tgaaacacaa atacttttga 360

gtacatgttc acagtgcagg gcaagctgcc gagaaagaac tctttacctc ctcatcaagt 420

tttcctcctc tttgagttcc taaccatgan cctcgcgtgg actgttatca ccaaccaaac 480

tttcaatagg tggatgggat cactaggtca ttttgttct 519

<210> 1118
<211> 246
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<400> 1118
ggcatcggga gagcgtttac tcctagtcct accagtaagg cgtccacttg caatggtaac 60

tgagtccaca aacagctgtt agaacctaga cagcagcatg actggctcag agctcttgcc 120

catgagcaga tgtttacaag agaggaaaag attgcttnct acgactgcat cagcntctgc 180

acctgcgtaa ggaggaagct cactcactca agagcacctc catgtaccgc gtcacactgg 240

aaggag 246

<210> 1119
<211> 181
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
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<222> (147)..(147)
<223> n is a, c, g, or t

<400> 1119
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tttaaggagg tagtgtacat gggacctttt tgaagtagac tggataaggg ccagtagcga 120

cttgcgacta gactttaaac tttgctnttt caggtggagg cttcgtttct gggatcccac 180

t 181

<210> 1120
<211> 127
<212> DNA
<213> Mus musculus

<400> 1120
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tgcagagaga cagagatacc gccacgttct gaccacttag cttcttcctg acagaaattt 120

ggcatat 127

<210> 1121
<211> 426
<212> DNA
<213> Mus musculus

<220>
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<222> (93)..(93)
<223> n is a, c, g, or t

<220>
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<222> (97)..(104)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (204)..(204)
<223> n is a, c, g, or t

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<222> (217)..(217)
<223> n is a, c, g, or t

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<222> (227)..(230)
<223> n is a, c, g, or t

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<222> (254)..(254)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 1121
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caaacactgg taattccagc acaagggagc tgnagtnnnn nnnncnangg tcagctgcat 120

ancaaactgg aggctggtct gagaccctgt ctcaaaacaa gtaaaatatt cagctgatac 180

ttgaatttct ccccccctcca cccnagtcac ctagttnttt ttttttnnnn ttttatttta 240

taagctgagg agtnaactga ttggcaattc taatacattg tatgtaggga cactccaaat 300

gatggtaaca tatttttga gacctttagc ttgggtgaga acagaccttg ctttcaagcc 360

ttactcaatg taccacncct ttgactacat accaagtcaa gtgttttcta cttatccttg 420

agccag 426

<210> 1122
<211> 516
<212> DNA
<213> Mus musculus

<220>
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<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<400> 1122
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acatgaaaca ctaactcatg attgaaacta aattcagtga ttctcaagga taacctttg 120

agatctacat gtttctatca tccatattca tatacattat atctatatat gatattacaa 180

agaaccttta gaaagggtga aggaaagaag tgtgctcatg aggcctcaga ctctggtgtt 240

gggagaagat ttgtgatctt gtctttggcc ttggggccct tctacaaata agccaatgac 300

tttgtatcca ctgctcttta tcattcaaac taacagcttg tgcctgaatt ataagtgtat 360

tttattttcc ctctaccaat atttccctcc cancttgct ncaagctaca ttcatctcat 420

tattatgaat gagtataaat caaactgccc aatcttattt aatgttgttt caggatatag 480

atctattgtt cattatcacc acatgcacca gcaaaa 516

<210> 1123
<211> 550
<212> DNA
<213> Mus musculus

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<222> (107)..(107)
<223> n is a, c, g, or t

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<222> (147)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

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<222> (347)..(347)
<223> n is a, c, g, or t

<220>
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<222> (352)..(352)
<223> n is a, c, g, or t

<220>
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<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(401)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (429)..(429)
<223> n is a, c, g, or t

<220>
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<222> (441)..(441)
<223> n is a, c, g, or t

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<222> (443)..(443)
<223> n is a, c, g, or t

<220>
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<222> (477)..(477)
<223> n is a, c, g, or t

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aggaaaggaa gaaacgccaa gggaagtcag ggcctttgtg atttgtncag ggcacctcag 120

agaggtctgt gttgggagaa aatacannca aagatgagag agagtacagc agcagccagt 180

gtggagggag gcatgtggga gttattcgca ggtgagtgga gcagtaagtc acagccagtt 240

ncaaagacag aaaaaaaaat tatntgggct ggttattcag ggagaaagtg ttttatctgc 300

accangtaga aatgttgtgt atgngctttt gcaccccaaa gaggaancca gngacccagg 360

tcaatagaag tctggttcct tgagaatccn caaagnnnnn ncttagaaca gncatctctt 420

tcttacttnt tgttaaagac nanagaaata gcatttctat tgcaaccaga tgccgtnggt 480

ctctagaatt acgactcaga gtttaaagtc atgtcctact aaaatatcag tgtattagtg 540

atgctgtctt 550

<210> 1124
<211> 479
<212> DNA
<213> Mus musculus

<220>
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<222> (284)..(284)
<223> n is a, c, g, or t

<220>
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<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<400> 1124
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tagtattcag aaccaaaaat atgtctcttt gtgaaaagga aatcataact ggaattgtct 120

gatatttttt aacaaaaatt cagaacctca gcactcggtg gaggcttttg tccttcccgg 180

gagcagtcga gaggtgacct tggtagccac catggtcaga gaccacacag gcattgtggg 240

taggtgggct ccagttttcc ttaatgagtc gcgaacgctg tgcntncnnc agaacgaagt 300

ctacaagtca atgggttttt tctttttata taataattat ataacttatg catttataca 360

ctacgagttg acntcggcca gccaaagaca caccacacac aaacaaacac acacacacac 420

acacacacac acacaagaga caatcaaaac atatgatgtg gccttgaatt ttaactctg 479

<210> 1125
<211> 541
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
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<222> (274)..(274)
<223> n is a, c, g, or t

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<222> (313)..(313)
<223> n is a, c, g, or t

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<222> (341)..(341)
<223> n is a, c, g, or t

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<222> (356)..(357)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cantcctgac acccctcaac cttaaggcag gctagggagg agcacagatt gggatactgg 120

cagcagcatg gggaagaaaa agtctatcca tccatctgtc caaccgtcca accgtccatc 180

catccatcca tccatctact tgctgtcagt ggaaacacta cctctagagg caaccaatag 240

ggatagagca gctaatgaaa caagaccatc tgancccacg acaaggaaga atggggatgg 300

ctcgaatgtg ttnccaatgg agacagggga tgagtacaga ntggccaagg ctgagnncac 360

ggccagaggg tatcaaagta tgtccacaac caaggaagat taagcagggg cattgcattg 420

agaaatgacg tcattgaagt antcctgtag acaacaggga tgggatggga cctatccagc 480

cagagaagac ggtgatttgg gctcaagaga gcagtagtca cccttgttgg ttttacagaa 540

g 541

<210> 1126
<211> 452
<212> DNA
<213> Mus musculus

<400> 1126
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atgttcgttt ggggagttct tcaatattga attctatgca ggtttactgg gacaagcaga 120

tagaagtgta tttgtgtttt taaaacttga gggacttaca tctttcttgt tttggtttgt 180

ttattgagcc aatcacctca catcatgtag cttattaaaa agtgggaata tttataattt 240

ccctatgatg ttacttttaa aaagtgtgaa gttagtctca taatgtaggt tgtaatataa 300

aatgtgttga aaattaagaa aatattctaa agagtttaat gatcatttta atgtagcaga 360

acacaagggc agcatctgta gtcattaaag aagaaaggta ttctcaaata ttttccataa 420

ctaacaaaat tataactgtt tcttctgttt gg 452

<210> 1127
<211> 510
<212> DNA
<213> Mus musculus

<400> 1127
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agatacgcat tgtatgctaa tttgttcagc cttttgaaag ccatgcatgc atatgtacat 120

attttaatcc cataattgac aaacttgatc taccgcactg agctcagagt cctacgtctg 180

tcgtacatgt aacaacagct ttaaccgggt actctctgtg cattgtagaa tagatttaat 240

aattatgtag catgtacatt tttattttgt actcgtgact tcattgtgac tgtggtgatg 300

acagcccttg gtgtgctgtc tgtattgctg tgttctatcc cttcccagcc ttctaagttc 360

ctaggccaat atacattcag agtttctatg gtctgattgg tgtttcttgc agccacttgg 420

aaggagaaaa aggacctggc tcgataagca aatcgcagat cccccacccc caccccaag 480

aattagattc tgaatttatg cccgtgtggt 510

<210> 1128
<211> 353
<212> DNA
<213> Mus musculus

<400> 1128
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gggagtcaca ccatgtgggg atcacactgt atccactcag agtcacccag gtatggaggc 120

gccctggatg ctgatgctga gactcccctc aggccaggct ctcctctacc ttcttgccca 180

gctcccaagc tcctattctg attatttgtt gtttctgagt ggacacaagg tgacttttgt 240

cctgagtgcc ttcacccttc acatggccat aggggctcag ctcctaaaga tgccggatgt 300

gggggtatgc acagcaggcc agtgtgatga gccactttga actcagaatc tgc 353

<210> 1129
<211> 37

<212> DNA
<213> Mus musculus

<400> 1129
ggaccgtaag agcacccaga tcgagcctgt gtgatgg 37

<210> 1130
<211> 269
<212> DNA
<213> Mus musculus

<400> 1130
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gtctctccac agttgaaatc tatctttgta gaaatcatcg aatgtttttt tttctttaga 120

ctttccaaca cctgaaaaat ggtttaagac tttttcctgt ttcctcaacc cagtcccagg 180

catttaaggc tgccacatga ataatgtca aggtttctca tcatattcag cctgtatatc 240

tgctttagga caatgacctc accaagtag 269

<210> 1131
<211> 533
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (71)..(71)
<223> n is a, c, g, or t

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<222> (73)..(73)
<223> n is a, c, g, or t

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<222> (138)..(138)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (167)..(167)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (200)..(200)
<223> n is a, c, g, or t

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<222> (241)..(241)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (261)..(261)
<223> n is a, c, g, or t

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<222> (306)..(306)
<223> n is a, c, g, or t

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<222> (373)..(373)
<223> n is a, c, g, or t

<220>
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<222> (478)..(478)
<223> n is a, c, g, or t

<400> 1131
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gaggtgtccc nancagtttc atgccagagt atttctacct atttcccact cagggacggg 120

gccctgttcc gaggttancg gtctggattt cntagagaaa gggaagnaca cacctgtana 180

atgtcaccct cagtcctggn tcagcacaaa acatactggg gtcccatgcc aggccctgaa 240

ncttggtnta gctcaagcca ntggaccctc attctaagca tataagtgag ccaccattcc 300

ctaaanctca aagtggccac ctcaaaaaca cagcccaccc ctaaatcccc cagtgaccag 360

tattggggaa canggatgga ccttagtcta tgacatcaga tggggtgtct ccatgcattc 420

gtccctttcc ctccccaaca gtgcatcccc accctcaccc catagcacca ttggcatnta 480

tatattcttc actatgctat tcatagtgac accaacggga tgtgctatag tcc 533

<210> 1132
<211> 380
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (270)..(271)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

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aatcatataa gaaatgtatc attatttcaa tctatggatg agaaaactga ggtgaagggc 120

ctgagaacca ggtcacagtt ggcaatgtca gtatttgaac ttggcacttt catggagatg 180

gtactttgtt gacgggaggt tggactgctn tntggttgca gagttgagcn tcaggaatcc 240

gggatttcat ggtcacncac cgagggactn ncctntccca tgtttcctga tcacttagac 300

aaattctcac cttttccctn ttacagattt gcagataacg gaaaggggct gacctttgcc 360

aggtttgtaa cggctttaat 380

<210> 1133
<211> 548
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<400> 1133
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gactgaggtt cagtgggcct ggtggtgaag gtctgtgact gtagcgactg aagaaactga 120

gacaggggga tttaaaggtc aaggcggaga gtgggctggg aatatagctg aacggtaaag 180

ttcttgctga gtacatatga gactctgggc tcgatctcca ggatagagga aaaactgggg 240

tctgaagcga gagtttattt ctttgtgaac ttaagtcatt ttatttacct ctgtatgtct 300

ccataacttt atttacaaat gaatgagaat actaacgtgt gtcagtcctt aatatcatac 360

cacacccata ataagtgctt tgtccataga ngcaatgttg ctggtgacag tggtggccaa 420

tttcaggttt gccaaaacca ctcatcgccc agaacaagca gtaagcaatc cctgcttaaa 480

tcaagataac ccggggtttc ccagcttaac caggaatgta gtctttcccg ccctcttctg 540

taaatgaa 548

<210> 1134
<211> 310
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
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<222> (171)..(171)
<223> n is a, c, g, or t

<220>
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<222> (213)..(214)
<223> n is a, c, g, or t

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<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<400> 1134
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aatggctntt cacacactgg tatctaaggc catgactggc attaggataa atggcagcaa 120

tttcaatttc atggttatta ggaaccaata attttataat cattatttta ncctaggacc 180

atatgtagac ttcatgtttt atttgaatta tanncatata ttataggctt gtaattattn 240

cttgtaatgg ttcagtttgg actgaaatct ctgttgagnc aattncattt gtgatggctt 300

atggaattaa 310

<210> 1135
<211> 92
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<400> 1135
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aggttaagag cgtacgtttt attcctgatt gt 92

<210> 1136
<211> 361
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<400> 1136
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gctaaggaga tgctgcccag cggcagactg gccctacctt cttcccttgg cagctgactt 120

gagaaatctg gtttcaatag aacccacaga aaaangttta ttccatggtc cctgtaattg 180

gaaaaacact ggttcccaag tttccatggg gttttccctg cagctgtact agctgagatc 240

gagtgcctgg tctgagctaa ttacagcttc tccccgtcag gaaattgtgg gatttgaaaa 300

gaagggaaag agagcctaga ggtctcccaa gctctccagg gctggcagca ttctccaggc 360

t 361

<210> 1137
<211> 436
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<400> 1137
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gggttgccca cgtccagggc atatgcagag tatcttggtg gctccctgca gctgcagtcc 120

ctgcagggca ttggcacgga tgtctaccta cggctccgcc acattgatgg tcgggaggaa 180

agcttcagaa tctaatggtg gattttggcc ggctagcctg ccacactcct cggaggacct 240

cctaggcctg gcagggggcc gctgggctcg cacagactgc cacttcgctt tatggagctt 300

aaggggcccc ttcaganaca ggtggactta gatggagctg ggcaccactc ctcctcagca 360

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tgataccagc tctgct 436

<210> 1138
<211> 445
<212> DNA
<213> Mus musculus

<220>
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<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<400> 1138
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taaaaccccc ctccccatct tgggtggata tatgcaagcc ttgccagata gcagtgagct 120

agtttcatat gactacctgc ctgcctaggn cagnctctct ctataccctg caaattgact 180

gtggatgccc aaggttctgc ttatggcaga aaggtccagc aaagcccagc tttgtggtac 240

ccagacagtg agaagcccca agaaagaaga aactgagagc aaagctaagt atttgagggg 300

gaagaatgtt acatttaaaa aaaaaacaac aagtttttgt ataattaagt gtcttcacaa 360

gtagcccagg gctatagccn aggcttacag tgattctgtg tttgagtcat gagtcacact 420

acatgcccct gtgtaattgg tgaca 445

<210> 1139
<211> 231
<212> DNA
<213> Mus musculus

<400> 1139
gtgttcccat ttctcactgg catagcaagg gtgcggggca taaggcgact tgtctcagga 60

gctgtcacag gatttattac tgtgacttga aaaatctgtc ttctatatac taaaggtata 120

aataatccta tctgtctttg ctgttacgtt ggtcactgta aacctgtcaa atcatagtat 180

gccaagtatc tgtctatgat aatttttgaa tattttgaat ctcccgttcc t 231

<210> 1140
<211> 564

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (452)..(452)
<223> n is a, c, g, or t

<400> 1140
aagaatgccg catcaccgag tgggtcagcg tctgcaagtg agcagaccca agctcctctg 60

ggtctcaaga atggttgtcc tcttggtgcc tggcttctgc cgctagcgga tctgagccag 120

gcagcaagca gcagccttgg ctcctgagag aggtggttgg ctcttacagc cccgagggtc 180

tacaatcacc agacagtcca gatctgattg acattcctcc gctcacctct gtaggttccc 240

ctctttctgt tcctagctca gacagctggg ggtgatagtg gagactgttc cacaccctag 300

gacaggtcac caaagcagcc cagcctggca tgcctacctc ctgtcatctc ttcttccctt 360

ccccaggagt gataggcaat gcactgaagc tgatgggcac cggggaagaa aactaaaagg 420

cagaaatggc cgtcatcggg ctgaagtgac tntaagggct ccagacctct gctcctgtct 480

ttcacttaac agatatttat ttttgcgctc tctttgagac actctctggg gaaaaagaag 540

ctccggagtc tacaggctga ttaa 564

<210> 1141
<211> 432
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<400> 1141
tcaccgctgc tcaagatggc cagaggnngc gttatcctgc taggctggct cctgttggtt 60

gtgaccctgt cagccactct gggacttggg atgcctgcaa aggagaagag aggttggacc 120

ctgaacagcg ctggctacct tctgggccca catgccattg acaaccacag atcatttagc 180

gacaagcatg gcctcacagg caagagggag ttacaactgg aggtggagga aaggagacca 240

ggaagtgttg atgtgcccct gcctgagagc aacattgtcc gcactataat ggagtttctc 300

agtttcttgc accttaaaga ggccggggcc ntngacagcc tgcctggcat ccccttggcc 360

acntcntcag aagacctaga gaagtcctga gaccatgtcc actgtgcacg tgtgtcctgt 420

gctgtaattt aa 432

<210> 1142
<211> 176
<212> DNA
<213> Mus musculus

<400> 1142
ctgtgatcaa ctgtgcagac aacacaggag ctaaaaactt gtatatcatc tctgtgaagg 60

gaatcaaggg acggctgaac agacttcctg ctgctggtgt tggggacatg gtgatggcca 120

cagttaagaa aggcaaacca gaactaagga aaaaggtaca tccagcagtg gtaatt 176

<210> 1143
<211> 453
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<400> 1143
ctttccgggc gttcaagatg tcgaagcgag gacgcggntg ggtcctccgg ngngcgaaat 60

tccggatttc cctgggtctt ccggtcggag ctgtgatcaa ctgtgcagac aacacaggag 120

ctaaaaactt gtatatcatc tctgtgaagg gaatcaaggg acggctgaac agacttcctg 180

ctgctggtgt tggggacatg gtgatggcca cagttaagaa aggcaaacca gaactaagga 240

aaaaggtaca tccagcagtg gtaattcgac aacgaaagtc atatcgaaga aaagatgggg 300

tgtttcttta ctttgaagat aacgcagggg tcatagtaaa caataaagga gagatgaaag 360

gctctgctat cacaggtcca gtggcaaagg agtgtgcaga cttgtggccc agaattgcat 420

ccaacgcagg cagcattgca tgattctcca gtg 453

<210> 1144
<211> 125
<212> DNA
<213> Mus musculus

<400> 1144
tagcacgcct gctggcccgg gttcagtctc ctgccccacg aagccgggcg gataactgag 60

ctctctgctt ttaaccctga ttatggacca ggctgggtct ttccactaac ctgaggctga 120

ggtag 125

<210> 1145
<211> 455
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (131)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(427)
<223> n is a, c, g, or t

<400> 1145
tgctgccatc catgtactgg ttacaggaag cctgcacctg gtgggcgggg ttctgaaact 60

gctggatccc tctatgtccc agtagccaag gaccatccta catcggtctg cctttccaca 120

gactcttata nnnnctcagt gccttgtgat ttctgctctc agatttttc ggactggccc 180

agggtcctgg gctcttggta gagtgtaggg atgggagagg ctctctgtac ctcggcctct 240

ccttcctctg gcagagacag cagggtgctt cccagantcc ccaccatcgt agcaggcttt 300

cagcctggcc catctccctg ctgcctccag gctcaggtcc agctnactgt tgcagnctgc 360

ctgagcagcc tggatcctgc cntgaggtta gaccagagac ctcctcctcc ctcccaatgc 420

tttnnnngca aaagagaggg cccttgcctg gcatt 455

<210> 1146
<211> 457
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<400> 1146
tgaggtgtct gtctgcaaac tgcatgcact gcgttcaccc acgtacagct gggatgagaa 60

ctgtcagtgt ggaagggcct actgttaaag ccctgagtga gctaggtagg tgactgttgt 120

gcccttcatt gcctttggct aaagactgtc cacatgtctg tccaggcaca tgacaggtgt 180

gagggcctca gcgttgggtt cttcatctgt ctttctcgtt tgtccctaat tgctcggtag 240

caacctagaa gactggactc tgcccagggt ggctctttgt gaaagtggtt tattctggcc 300

accggagaaa gatggctgaa cagtggcacc agtctgcttc atgctgcaca gaacaccgtc 360

ttaagtaagg tggccaaaag aggttgctgc agcaagtgca actctgccag ggccatggcc 420

aggggctccn atgaactgag actcttcatt ctgttta 457

<210> 1147
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(28)
<223> n is a, c, g, or t

<400> 1147
cagttttcag attcacctgt gcgtgnnncc cccactccca tcccaccctg ttctttccat 60

agaacttttg atatcaggca aacggtttcc tttttgagat attttaacag agaaggggtg 120

ggggagaagc agatgaagct gtactaccca gccctcttct tgtttgtatt tgtttagggt 180

tgtgaggttg tgtaaaatag tactagcttc ttacttgaga actacagttt ctgcttatca 240

tttattcttc cttgtggcac ttaatatttt aattgtctta agctttttga tgtatatatc 300

ctctggcccc ttacatgctg ccagaggaga aggtgtttgt ttgagattca ttccacttga 360

agtgtctcct gggatcccca cagctgcgta tggctgggaa atggacttaa ggcttgggct 420

tgaattggtg gctcctacct gtgaggtccc atcgtgagtc actgggattt gtgttgcatg 480

gaaggcagtc tttcctgttg taaat 505

<210> 1148
<211> 219
<212> DNA
<213> Mus musculus

<400> 1148
gttgggagag tgattatgca gttttcttct gtcttgactg tttcctgcga ctgtctttgt 60

ttttaactct gaacatgttc tctaactctg tgctaccaca tttctgtgtg tgaagtcatg 120

cagccagtgt atcagccctt tgtacttaga agtgtggccc ctcctctcta gcctcttctc 180

caccattgaa cattgcacat aggattacga agtgttcag 219

<210> 1149
<211> 209
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<400> 1149
taccctgggc agactcccaa gtctgctgtc cctcctgnat tttaaagggc tcatccttag 60

tgacccaggt gccgtgtctt ggtgtcagtt ctccttgctt ctgctttctt gctgcctgta 120

atcantgtgg ccacagacat tcctgcctaa acttaanccc tnctgtgagc aaaaggtact 180

gtgagttcct tgagaaatag gtactgtac 209

<210> 1150
<211> 359
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<400> 1150
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tacaaagaag gccagaactg gctggagaag aaggacgtgg taggaagagc tcgagggttc 120

ttaccttatg ttggcatggt caccatcata atgaatgact atccaaaatt caagtatgnt 180

ntttttggctg tgatgggtgc atatgtgtta ctaaaacgtg aatcctaaca tgagaagcag 240

ttncntggga ccagaccgaa atgagttctg ttgaaaaaga gaaaagctaa tatatttgaa 300

atgttccact ttctgtataa agagaaacca ggtggggatg tttttgtctt atctaaata 359

<210> 1151
<211> 383
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(219)
<223> n is a, c, g, or t

<400> 1151
ccttggtcca ggtttcgaca gagaactcgc tcttgggtcc gcncggtcct cttgcgctaa 60

ttgcgggtcc tacagggtcc acatgtgcgc tctgngtctc ttaggacagt aaccagagcc 120

gcggcggccc acnggtcagc cgcgtagacg ggagcggaga ggagataaga tggcggccca 180

gctacgcaga caccaggggc ggcgannnnn nnnnnnnnnt gacgacctcc ctacgagaac 240

atgcctctcg caaaggatct ccttcatccc tctccagaag aggagaagag gaaacacaag 300

aaaaagcgcc tggtgcagag ccccaattcc tactttatgg acgtgaaatg cccaggatgc 360

tataaaatca ccacggtctt tag 383

<210> 1152
<211> 331
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<400> 1152
tcaggcctgg ccaccggctc atagagccac cactaagtaa gaatgtacag actgtgtgac 60

cagaggagac ttgggaccag ccttgggacc ancctggga ctgtttttng tgtaggggct 120

gcntgttctc ccattacctc catctgancc ctcccagaga cactgctggg agacttcctt 180

cctctaacgt ggtgttcagg atgcttccct ctgagcttcc catcgctaga nccttccctt 240

tgggctcctt ggagtgagat gcaggctcat ccatcagctt ttacggggag nccngagggg 300

agcggttgca atgttgagta aaggcttcct t 331

<210> 1153
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (46)..(46)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(436)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(442)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (444)..(445)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(448)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(452)
<223> n is a, c, g, or t

<400> 1153
gcaatgttcc ggatcgaggg tctcgcgccc aagttggacc cggagnagat gaagcggaag 60

atgcgtgagg atgtggtctc ctccattcgg aacttcctca tctacgtggc cctgctgcga 120

gtcactccat atatcttaaa gaagctggat agcatctgag gacgggcagt caggtggatg 180

catggcatga agacctggtg acggcttctc ctcctgtctg cagctgaatt ggcccagaaa 240

ggtgtaaggc tgattaaacg gacatataaa ctacttgttg agaacaagta ggactttgag 300

aactgacctc catagctgaa atataaagcc acttgggaag tgcaaaaaga tgtcttgtgt 360

tcatggtgcc cttaggccca tgaactccac ccctgtgagt gttgatggag tggttaataa 420

tgtcaggctn nnnnnngngn nntnncnntt nngtttacca cttctgttca aagtgttatt 480

tgtgaagtct gtttggaagt cagcatacac ccacaatga   519

<210> 1154
<211> 557
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (517)..(517)
<223> n is a, c, g, or t

<400> 1154
agtaaactgg cgcttcctgc ctgaaaccat cttcctgcat cgtgccttcc atctagccct 60

gttggctgcc caccttagcc tcctcttgct gtttgccctc tgtaggtggc acagaacagg 120

ggaaagtatt ctggcactgc tgaaggatcc ttccaaaagg aaagttccac cccaagccct 180

cacacctaac cagattgttt ccatcctctt cacctccaac ttcattggca tctgctttag 240

ccgctcgctc cactaccagt tttatgtctg gtatttccac acactgccct acctcctgtg 300

ggccatgcct gcacgctggc tcacacacct gctcaggttg ctggtgctgg gactcattga 360

gctctcctgg aatacgtacc catccacgtc cttcagctct gccgccctcc acctgtgcca 420

cgctgtncnt cctgctgcag ctctggctnt cccccgagtc cttccctaag agcattcagc 480

caagcaggaa aactcactga aacccacccc ttccttntag gacgtgctca gcatcatggg 540

tggaacggac tctgtgt 557

<210> 1155
<211> 140
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<400> 1155
tttccaagaa gataacaatg tgaggaancc ctttctattt tatngacttc ccctccntgg 60

ctgctgggtc tgtggtcgat cctgctgtga ctctcccctc cacaccccac ccaccaagga 120

attgcagacg gtcctctcgg 140

<210> 1156
<211> 185
<212> DNA
<213> Mus musculus

<400> 1156
acagctctga ggtggctaga gagccaggat cccagagaag tggggccgct gaggcttgtg 60

cagctacgtt ctctcattac catggcacgg aggcttgggg gtattgggcc ctcagctgta 120

acttctgatg atggtgtgtg actaccttgg cccagtggtc tttttcctgc ctcactggga 180

gagag 185

<210> 1157
<211> 98
<212> DNA
<213> Mus musculus

<400> 1157
tcatgaccaa gaaggcaacg ttggggagga acagggtgta tttaagctta cacttggcac 60

agtgctgttc aatcaccaac aggagagtca gggaccag 98

<210> 1158
<211> 521
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<400> 1158
ttttaataac tcctccgcta atgggatctt ggggatgtct tcctcattta tgctggagtt 60

tttactggct tactcttgtg caggtcttgc actggtgtcc acaggtgctg tgagctgatg 120

tgtttggctg ccgtgtgtgg cgtatccaga agccaacatc tcccagctct gccgacaact 180

cttacattct ctctgttcac tcttctgtgc tgttccctga gcctgggacg gaggaggctc 240

aggcaggtga gtgattcatc cncagctgag cctgagagtt catcatcctt ggcactggca 300

ggggagcctg cattcactac tgctcactgc ataaaccaag aaagtggaga gcactgcgga 360

tctacgcggt tggcgttgtg gcctcttggt tgatttttt tttncccttt aatgagtgtg 420

gagtggcctt ccttatctga ctatatttgg tttgatgtca ttttgtcaaa tattagaata 480

gctgtgcctg tatgtttttt agttgcattt ccctggagtt c 521

<210> 1159
<211> 505
<212> DNA
<213> Mus musculus

<400> 1159
tgcgcttcct acagggactt tgagtctaac aaatgcttcc cctgcccaga tcaaggctgc 60

ccacagatgg gtcactatgc tgataagttt gccaacaata caagtgtgga gccacagaag 120

ttcttcctga acacaggaga agccaagaac tttgcacgct ggaggtaccg tgtttccttg 180

acattctctg gaaggacggt cacaggccaa gtcaaagtgt ctctgtttgg aagtaacggc 240

aatactcgcc agtgtgatat cttcagggga attatcaagc ccggtgctac gcattccaat 300

gagtttgatg ccaagcttga tgtgggaaca attgagaaag tcaagtttct ttggaataac 360

cacgtggtaa acccaagttt ccccaaagtg ggcgcagcca agatcactgt gcaaaagggg 420

gaggagcgga cagagcacaa cttctgtagt gaagagaccg tgagagaaga catcctgctc 480

actctcttgc cttgtaaaac ctcag 505

<210> 1160
<211> 300
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<400> 1160

aaaaggagtg cccagctcct ttcctcattt caaagttgct accagtgtat gcagtaatta 60

gacaaagaag aaattcagta gaccatttta ttgcctagtt gacaacattg cttgaatgct 120

ggtggttcta tccctttgac actacacagt tttctaatat gtgttaatgc tacgtgatga 180

gatgccctgg ttcctagtgc caaaggttca acttaatgta tatacctgga aacccatgca 240

tttgtgcttt ttttttnttt tatggtgctt gacgtctgta aacagcccat cctctgcaag 300

<210> 1161
<211> 396
<212> DNA
<213> Mus musculus

<400> 1161
ccagctttac cagacaccat ggagaaggtc cttgttcttc tgcttgtgtc cctccttgca 60

gtggcctatg cagctcccgg accccggggt cttattatca acctggagga cggtgagatc 120

tgtttgaaca gtatgcagtg taagagcaga tgctgccaac atgacaccat cctgggcatt 180

tgcccgttgc acacacaagg ccatggagaa cagcgagtgc tccccaaaga ccctctatgg 240

gatctactac cggtgtccct gtgagcgggg cctgacctgt gaggggggaca ggagcatcat 300

cggcgccatc accaacacca actatggcat ctgcctcgac tccaggcgct ccaagcagtg 360

agatcacgca gttagctggg ttataccttc ttctct 396

<210> 1162
<211> 463
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<400> 1162
ttaagcccag gcagggactt gctcattcta ggcaagtgct ctaccactga gcgggagtca 60

cccctacttc ctggatagta ggctttttta gttgtgtgtt ttgttttgag acagtgtctc 120

actttgtagc tgtggctatc ctggaactca atcagtagat gcccagagat gatgtgcctg 180

cctctgccgt ccaatgctgg gattgaaggt gtgcacagcc acaccagctt aaggttttgt 240

taaagaagac gataggtatg gctggattat atagtcttca ggttcacatg aacttggctg 300

tattctgata acattgagac cgttttccac caagttagcc tcatttgttc agtaacacat 360

cttaccgagg aaaggaggca aggaagtgcc cttttgtgtc tcctcattgt tcacagccnt 420

gttggtctcg aacactcaac atatgattgc tcgatcactt tag 463

<210> 1163
<211> 343
<212> DNA
<213> Mus musculus

<400> 1163
gagcagtgta aacctcacag ggctttggat cccctcggac ccccttggac acagaggaga 60

aggaagggaa ggagtgggtc gggatgcaca ggaatctttc ctgtatcgga ccaggaaaga 120

aagctggctg tgggtctgta gggtcatgac tgttgtctgc ctcttttcac cctgtaagtg 180

aatccctgaa cttggttccc tctgaagcca gtcttggtta actaattcta ttttactata 240

actttaaaag tgaaagatat tctctaaatt tatagcaggt gccttatttc ctttgaatca 300

aatcattcca taccagaatt tcccttggtt tactatagat aat 343

<210> 1164
<211> 175
<212> DNA
<213> Mus musculus

<220>
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<222> (116)..(116)
<223> n is a, c, g, or t

<220>
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<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<400> 1164
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gacaatggaa agtcctggct gccggaacgc ctcagtgagg taaagtctct tggcgntttt 120

ganctgggac cagcccagcc attctcancc tctcgacatg taatttcatt tcttt 175

<210> 1165
<211> 49
<212> DNA
<213> Mus musculus

<400> 1165
ggcagcatta cacccgtcaa atatgaatac ccagatgagc tccagtgtg 49

<210> 1166
<211> 341
<212> DNA
<213> Mus musculus

<220>
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<222> (69)..(69)
<223> n is a, c, g, or t

<220>
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<222> (73)..(74)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(262)
<223> n is a, c, g, or t

<400> 1166
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ctcctgccnt aanngaggac tngtgccaan agcccnacat agagaaggtg acagatgaca 120

tgttgtgtgc aggagatatg gatggaggca aagacacttg tgcgggtgac tcaggaggcc 180

cactgantct gtgatggtgt tntccaaggt atcacatcat ggggccctag cccttgcggt 240

aaacccaatg tgccgggtan nntctacacc agagttttaa atttcaacac ctggataaga 300

gaaactatgg ctgaaaatga cttgagtatc acattgtccc a 341

<210> 1167
<211> 194
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<400> 1167
acaataatgt ggctcctgtc tttcttcctg ggaggcagga gttggttgtg tctgcccctt 60

tgctccttgt ctgtgaattg ctgttgacac acacanctag tgggcaaagg ccagggcatg 120

tcacaacctg gatttccttc acctttaatg aggcacaaga agggacttct caactggcca 180

gttgaagctt agct 194

<210> 1168
<211> 446
<212> DNA
<213> Mus musculus

<400> 1168
gaatgagtcc agcatctttc acatcccaag acctgtaagc ctcaacatga cagtgaaggg 60

ccagaatgaa gaccctggct ccctccttac ccagttccgg cggctgagtg accttcgggg 120

taaggagcgc tctctgttgc acggtgactt ccatgcactg tcttcctcac ctgacctctt 180

ctcctacata cgacactggg accagaatga gcgttacctg gtggtgctca acttccgaga 240

ttcgggccgg tcagccaggc taggggcctc caacctccct gctggcataa gcctgccagc 300

cagcgctaaa cttttgctta gtaccgacag tgcccggcaa agccgtgagg aggacacctc 360

cctgaagctg gaaaacctga gcctgaatcc ttatgagggc ttgctgttac agttcccctt 420

tgtggcctga tccttcctat gcagaa 446

<210> 1169
<211> 229
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(204)
<223> n is a, c, g, or t

<400> 1169
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tgcgtgccca aggataaggc catcaagaag tttgtcattc ggaacattgt agaagccgct 120

gctgtcaggg acatatctga agcaagcgtc ttcgacgcct acgtgcttcc caagctctat 180

gtcaagctgc attattgcgt ganntgtgcc atccatagca aggttgtta 229

<210> 1170
<211> 72
<212> DNA
<213> Mus musculus

<400> 1170
gggcttgtct gtgaagacga ccatggtgtg cgccggcggc gatatccagt ctggctgcaa 60

cggtgactct gg 72

<210> 1171
<211> 206
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<400> 1171
atgtgtgtga gctgtggcaa tgacatcgcc ctggtcaagc tctcaagaag tgcccagctg 60

ggagatgcag tccagcttgc ntgcctccct cctgctggtg aaatcctacc caacggagca 120

ccctgttaca tcagcggctg gggccggctc tccaccaatg gacctctgcc agacaagctg 180

cagcaggcct tgctgcctgt ggtgga 206

<210> 1172
<211> 292
<212> DNA
<213> Mus musculus

<400> 1172
gctcctggaa gtattcagca cagagttcca gatgcggctc ctctggggca gccagggtgc 60

caacagcagc caggcctggc gctatgagaa gtttgacaaa gtcctcactg ccttgtccca 120

caagctggaa cctgccatcc gctctagcga gctgtgaccc cggagatctc gcctctctgc 180

agctgcgggc agcattcggc ggcagagggg ctcaggacat tccctccaga gcaccacagg 240

gacactgtga tcagcccaag aatgttctgg gttcaaatcc aggatctccc tt 292

<210> 1173
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<400> 1173
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caaattccag gatgaagaag aggtctttga atggaacaat gaagtaaaac agggactttc 120

aagtagtatc tttaccaaag atttgggcag aatcttccgc tggcttggac ctaaaggttc 180

cgactgtggc atcgtgaacg tcaatattcc taccagcggg gctgagattg gtggtgcgtt 240

tggcggagag aagcacactg gcggtggccg ggagtctggc agcgacgcct ggaagcagta 300

catgaggaga tccacatgta ccatcaacta cagcacntcc ctccctctgg ctcagggaat 360

caagtttcag tgatactgcg tgggcttggc 390

<210> 1174
<211> 522
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (289)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (480)..(482)
<223> n is a, c, g, or t

<400> 1174
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atctttttg ccagaacatg aattcaggct acctggtgtc agttctcagt caggctgagg 120

gcaactttgt ggcctctctg attaaggaga gtggcactac agacgccaat gtctggactg 180

gactccatga tcccaaaagg aatcgtcgct ggcactggag cagtgggtct ctgtttctct 240

acaaatcctg ggcaactggg ntctcctaac agttccaatc gntggctann nnntgtatnt 300

ntgacttcaa acacaggata caagaaatgg aaggatgaca actgtgatgc ccaatantca 360

tttgtntgca agttcaaagg ctgaagtcac ctgaaaaaaa atagtcatat aaagcaaaat 420

tgaaattact atagtgtcag aaattaaatt ggaccatnta tcaaaagcaa attagatccn 480

nntcttcctg gagagacatt cttgcttcac tgtcctatgg ta 522

<210> 1175
<211> 239
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (134)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<400> 1175
gcatctctcg ggacaactgg cacaagcgcc gcaagaccgg gggtaagcga aaaccctacc 60

acaagaagcg aaagtatgag ctgggacggc ccgctgccaa cacgaagatt ggccctcgcc 120

gcatacacac agtnnnnnnn nntncgagga ggcaataaga agtaccgtgc cctgagattg 180

gatgtgggga acttttcctg gggctctgag tgttgtactc gcaaaacaag gatcattga 239

<210> 1176
<211> 454
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<400> 1176
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actagagtca gcttcctccg atgaggaaaa tgaagatggc gacttcactg tgtatgaatg 120

cccaggcctg gcgccaacag gggnagatgg aggtgcgcaa cccactgttt gaccattcca 180

cgctgtcagc accagtgcct ggtccccatt ccttgccgcc gctgcagtga ctcctaggcc 240

cacatgcctg cagcccacag cccaccagtg gggnacgagc gagtcctggt gttccccatg 300

gaaaagagca gcattgtgac ccccgcatgc ttttggcagg agggaggncg ccacccctgg 360

actcccttgc cagggagatt ntccngcctt atgtgggaga tctagcatct gcttgcacat 420

tnctctntnt ggtatgaacc ctcaaactgg agat 454

<210> 1177
<211> 102
<212> DNA
<213> Mus musculus

<400> 1177
ccctggtttt tataactatg gtgcgatcag taaggattcc tgtaatactg ctttaaagat 60

gctgctcaga gggcgggcgg cctccattat aggacacctg ta 102

<210> 1178
<211> 344
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (34)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(43)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(190)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<400> 1178
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gcaccctgta tagttcttct ggcttttgca cccagatctt cgacaatgaa ggtggctgtc 120

atctttcttc tcagtgcttt ggccctgctg agtttagcag gtaacacttt ttcagctaag 180

gtgannngnn aaagaggcta gttgccatga tgcagtggcg ggatgtccca gaatttatga 240

tcctgtgtgt gggactgacg gaattactta tgccaatgaa tgtgttntgt gctttgaaaa 300

caggaaacgc atagagcctg tcctcattcg aaaaggtggg cctt 344

<210> 1179
<211> 90
<212> DNA
<213> Mus musculus

<400> 1179
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actggaggct gcccgtattt gtgccaacaa 90

<210> 1180
<211> 279
<212> DNA
<213> Mus musculus

<400> 1180
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ccatccgaac caagttgcag aacaaggaac atgtgattga ggctctgcga agagccaagt 120

tcaagttccc tggccgccag aagatccaca tctcaaagaa gtggggcttc accaagttta 180

atgcagatga atttgaagac atggttgctg agaagcggct cattcctgat ggctgtggtg 240

tcaaatatat ccccaatcgt ggtcctctgg acaagtgga 279

<210> 1181
<211> 473
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (147)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(161)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

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<222> (220)..(220)
<223> n is a, c, g, or t

<220>
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<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<400> 1181
tcaagcatcc caacttcaat agcaggaccc tgaacaacga catcatgctg atcaaactgg 60

cttcccctgt gaccctcaat gccagagtgg ccactgtggc tctgcccagc tcctgtgcac 120

ctgcaggcac tcagtgtctc atctctnngg cntggggnnn ncaacacctt gagctttggt 180

gtgaacaacc cagacctgct ncantgcctg gatgccccan tgctncctca ggctgactgt 240

gaggcctcct tatcctggaa agatcaccaa taacatgatc tgtgttggct tcctngaggg 300

aggcaaagat tcctgccagg gtgactctgg tggccctgtg gtctgcaatg gacagctcca 360

gggcattgtc tcctggggct atggctgtgc cctgaaggac aaccctggtg tgtacaccaa 420

ggtctgcaac tatgtggact ggattcaaaa caccattgct gcaaactaag cat 473

<210> 1182
<211> 360
<212> DNA
<213> Mus musculus

<400> 1182
aggaaagctg gcaacttcta tgtgcccgca gaaccaaaat tggcctttgt catcagaatc 60

cgaggtatca atggagtgag cccaaaggtg cgcaaggtgc tgcagctgct ccgtctgcgg 120

cagatcttca atggcacctt tgtgaagctc aacaaggctt caattaacat gctgcggatt 180

gtggagccat acattgcatg ggggtacccc aacctgaagt cagtaaacga gctcatctac 240

aagcgaggct acggcaaaat caacaagaag cggattgcct tgacagataa ttccttgatt 300

gctcgatctc ttggtaagtt tggcatcatc tgcatggagg atctaattca tgagatctat 360

<210> 1183
<211> 421
<212> DNA
<213> Mus musculus

<400> 1183
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caatggagta agcccaaagg ttcgtaaggt tctgcagctc cttcgtcttc gacagatctt 120

caatggcacc tttgttaagc tcaacaaggc ttcaattaac atgctgcgga ttgtggagcc 180

atacattgca tgggggtacc ccaacctgaa gtcagtaaac gagctcatct acaagcgagg 240

ctacggcaaa atcaacaaga agcggattgc cttgacagat aattccttga ttgctcggtc 300

tcttggtaag tttggcatca tctgcatgga ggatctaatt catgagatct atacagtcgg 360

gaaacgcttc aaggaagcaa ataacttcct gtggcccttc aagttatctt ccccacgagg 420

t 421

<210> 1184
<211> 232
<212> DNA
<213> Mus musculus

<400> 1184
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agtgctgagg atcaaaccca gggctttgtg ttgtgctagg caagcactct aacaactgag 120

ctacatcccc agccctacat attttagact ccagagtctt ctgttgagca accaagggac 180

aacctaaaac aacttctcca gtgagtgcag ggaaatagca atacaaagtg tc 232

<210> 1185
<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(400)
<223> n is a, c, g, or t

<400> 1185
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ttgaatttct cagcccacta cctaggcttg gattacacag tgctgaggat caaacccagg 120

gctttgtgtt gtgctaggca agcactctaa caactgagct acatccccag ccctacatat 180

tttagactcc agagtcttct gttgagcaac caagggacaa cctaaaacaa cttctccagt 240

gagtgcaggg aaatagcaat acaaagtgtc cattgctgca gtgcaatact catttgttgg 300

atacaaagga cattatccac attttactaa tatnccanaa ctggaattat gaggaaggtg 360

gattacaatg aacagggcag gcagaacagg aaaanttann aagtatttga caagacttta 420

gaactttaaa taataggtct gattaatttg cagacaatga tagaaagttt gttttgactg 480

atacccatta ggctttctaa 500

<210> 1186
<211> 533
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

<400> 1186
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tacacattag aacagaggcc tgcaccttta agccgaatcc cataacatga agacatcagg 120

ctacacttga gcatcgttaa gctgttttag ctatggccta tttcatgact ggtcctggct 180

ccaccatgta cttggtcagg catgcagtgg tgaactaagt aacgtggtgt gaaacttcct 240

aacaggttat aaagagattt ctcatttggg gggttttctc aagtaggtga cctgaaggct 300

gctccctnaa nnacatccct ctntccccca ccttccatcc ctntcctggg gactgagcag 360

ttgctcttgc ctggcctntn tgcctcattc catcccttta tgaaggcctc tccaggcttt 420

aaaggaaanc ctgaccttca aggccacatc ctgcttancc cttcctgact gtattcttcc 480

tgcctaatac cctccccttc tactcccagg cctggtcata gcctggaagc cat 533

<210> 1187
<211> 166
<212> DNA
<213> Mus musculus

<400> 1187
ttcgacccca acgaggtcaa agtcgtgtac ctgaggtgca ccggaggcga ggtcggcgcc 60

acatccgcct tggccccgaa gatcggtcct ctgggtctgt ctccgaagaa agttggcgat 120

gacattgcca aggctaccgg tgactggaag ggtctcagaa ttacag 166

<210> 1188
<211> 381
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<400> 1188
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agggctgcac tgtgatgtga ggaccgccat atgcaagagg cctttgaggg tccaggagga 120

tggccaccct cgctctaggc cgtaatgcat gtgcttaaat gcaagacaaa tggagccata 180

gccagccgta cccagcctgg ctcaccctcc tccagacacc agacaccagc ctcctggttg 240

tggtgagagg agaagggaac aggtctggtg gatgccaagc aactagttag tncctcccan 300

tnctgaccta gatttncatt cctcatcagg actagaaatt agtaccaatt gaactagctt 360

gttttgacag gtctatttca c 381

<210> 1189
<211> 270
<212> DNA
<213> Mus musculus

<400> 1189
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cttgcctggc ccccagcacc gctgatgcca gaccttctcc cgctgccagg aagctgttgt 120

cgactccaga cctggttgag ggagtataga ttgggtctag cttgcttcag tgtacagaaa 180

cctcctctgt cgtggctagc attgaagctg gggtggagaa cccgaggtta gttgggggca 240

gacccgcaca gtggtaatgc cgtccagtct 270

<210> 1190
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<222> (240)..(240)
<223> n is a, c, g, or t

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<222> (282)..(282)
<223> n is a, c, g, or t

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<222> (306)..(306)
<223> n is a, c, g, or t

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<222> (357)..(357)
<223> n is a, c, g, or t

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<222> (359)..(359)
<223> n is a, c, g, or t

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<222> (381)..(381)
<223> n is a, c, g, or t

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<222> (383)..(383)
<223> n is a, c, g, or t

<400> 1190
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ggtgtcccaa aatggggcac tatgctgatc aatttgaggg gaaaactgct actgtggaac 120

aaaccttttt cctgaataca ggagacagtg gtaactttac tcgttggaga tacaaagtat 180

cagtcacact atcaggagca aagaagctga gtgggtacat cttggtcgct ctgtacggan 240

gtaacggaaa ctcaaagcag tatgaagttt tcaaaggatc cntccaacca gaagcaagat 300

atattngtga cattgatgtg gacgtcaacg ttggagaaat ccagaaggtt aagttcntnt 360

ggaacaacaa ggtgataaat ntnttccggc ccactatggg agcttcacaa atcacagtgc 420

aacgcggtaa agac 434

<210> 1191
<211> 487
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<220>
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<222> (226)..(226)
<223> n is a, c, g, or t

<400> 1191
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agcagcagat gagcacagca gctggagacc accacatctt caactgctag catgaggcag 120

agagtgaact gggtagggtg agcactatac ctgtggtttt ctaccttcct aatgctgcaa 180

ccctntttat agttccttat gttgtggtga actgcccccc cccccnatac aattattttt 240

gtgtgtgtaa ttttgctact ggtatgaatt gcaatgtaaa tatttttgaa gatagaggtt 300

tgccagaggg gtcacgaccc tcaggttgtg agagcaccac tgctctaatc tatcaatgcc 360

tactggccct gcggtacacg tccttcagga aggctgtgtc acccaactct tcccaaatgg 420

tgccaccaac tgaagaccaa gtgttcaaat acccgaatct atggagaatt tttctcatcc 480

aatcccc 487

<210> 1192
<211> 236
<212> DNA
<213> Mus musculus

<400> 1192
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gtgggggttt ctcctgtgct tgaccccttt cttctgaagc catcaatacg aagaaccgaa 120

ccgaaccggc ctctcaacag ctaacatagg gtttggaagc agcattagat cctttgtagc 180

aatctggtct acagacttta actcaagcta agactaaact tgctactttg ttgaat 236

<210> 1193
<211> 411
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<400> 1193
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aaagcacaat gtcccatcgt ggagcgcctt actaactcca tgatgatgca tggtcgtaac 120

aacggcaaga agctcatgac tgtgcgaatt gtcaagcatg cctttgagat catccacctg 180

ctcactggtg agaaccctct gcaggtcctg gtgaatgcta tcatcaacag tggcccccga 240

gaagactcaa cacgcattgg gcgggccggt acagtgagac gacaggctgt ggatgtgtcc 300

ccnactgcgt cgagtgaatc aggccatctg gctgctgtgc acaggggctc gtgaggctgc 360

tttccggaac atcaagacca tcgccgagtg ccttgcagat gagctcatta a 411

<210> 1194
<211> 425
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<400> 1194
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gaatggaaaa gatcagaatg actggattgg accacccaat aacaatggag taacaaaaga 120

agtgaccatt aatgcagaca ctacttgtgg caatgactgg gtctgtgaac acagatggcg 180

tcaaatcagg aacatggttg ccttcagnaa tgtggtcaat ggtcagcctt tttcaaactg 240

gtgggataat aacagcaacc aagtagcttt tagcagagga aacagaggat tcattgtctt 300

taacaatgat gactgggctt tgtcagccac tttacagact ggtcttcctg ctggcacata 360

ctgtgatgtc atctctggag ataaggtcga tggcaattgc actggactta gagtgaatgt 420

tggca 425

<210> 1195
<211> 453
<212> DNA
<213> Mus musculus

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<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<400> 1195
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tgtcagcagc gggggcgatg agagggctcc cggctgctcg cgttcgctgg gagtcctcca 120

gggctgtaat cgccccatcc ggtgtggaga aaaagcggca acgagaaccg accatgcagt 180

ggcaggagga cccagaaccc gaggacgaaa acgtctacgc gaagaaccct gactttcatg 240

gttatgatag tgaccctgtg gtggacgtct ggaatatgcg agctgtcttc ttctttggtt 300

tttccantcg tcctggntct ttgggaccac cttcgtggct tatgtgcctg attacaggat 360

gcaagagtgg gcccgccggg aagctgagag acttgtgaaa taccgagaag tcaatggcct 420

tcccatcatg gaatccaact acttcgatcc cag 453

<210> 1196
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<400> 1196
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caggctcggt tcctgntgtc taaagttaac ccatctcaga cacacaataa cctgtatgcc 120

tgggggcagg aaactggagc gcccatcctg acagacgatg tcagcctaca ggtgttcatg 180

gatcacctga agaagctggc tgtgtctagt gcctcttaag ctggtggccc cgcctggaag 240

tggaagacaa tgctgtcaga ttgtgctcac gttgttgata gcgtcctagc aacattcacc 300

tttcggggag gttctaataa ataacccaag gaatttttat atatgtatnt cttcaggcta 360

taatacgtct tcaggttgta atttatttgt attcctctct gtctgttttc ct 412

<210> 1197
<211> 340
<212> DNA
<213> Mus musculus

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<222> (280)..(280)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (288)..(288)

<223> n is a, c, g, or t

<400> 1197
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gtgcagaatt ctttgttcac agcccacttt taggctacaa gaagcatctt gccccttctc 120

aactcacaat taagttggtg ccatctaggg ttgaagaaaa tgacaatatt ctcctgcagg 180

tttatcatct gccacagaag cttcaaggct ttgcctggca caaaggagta cttccacttg 240

accattttaa gatagcaagc cattcattcc tcacccattn aantatgntg gggagtgcat 300

atcaagacag agtgataata tgtaatgatg gaaccctggt 340

<210> 1198
<211> 260
<212> DNA
<213> Mus musculus

<400> 1198
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ctttcgttgg gagaaaattg agagaactta agtctcgaat gtaattggaa tcttcacctc 120

agagtggagt tgaaaatgct atagcccaag tggctgttta ctgcttttca ttagcagttg 180

ctcacatgtc ttggggtcag ggagaggagg aattggctat tttaaaaatt gagaaaaagg 240

tgggtcaggg tgtgtgttca 260

<210> 1199
<211> 437
<212> DNA
<213> Mus musculus

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<222> (87)..(87)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (244)..(244)
<223> n is a, c, g, or t

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<222> (251)..(251)
<223> n is a, c, g, or t

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<222> (287)..(287)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (329)..(329)
<223> n is a, c, g, or t

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<222> (335)..(335)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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tgagtaactc tcccatcctt ctccctntcc tgccaggaat nngntctngc ccggttcaaa 120

agcaatgtga cnaagacaat gaagggnttt gnntacatnc tggccaagct acaaggtgag 180

gccccttcca aaaccctngt tgagacagcc aaagaggcca aagagaaagc aaaggagacc 240

gcantggcag ntacagagaa ggccaaggac ctggccaaca aggccgncac caagcagcag 300

cagcggcagc tcgtataact cgcttcntnt ccctntcccc agtgtacgtg attattanag 360

agcaacctgc anncctctct gctgtctggg gtggtgggtc agggccctgt cctggtcagc 420

atctgcacca accagct 437

<210> 1200
<211> 91
<212> DNA
<213> Mus musculus

<400> 1200
tgtgtgaact ctgacaatag cggctggacc gaaatccgtc gggaagcctg ggtctcctct 60

agcttatttg gcgtctccag agctgtccag g 91

<210> 1201
<211> 525
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (223)..(224)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (400)..(400)
<223> n is a, c, g, or t

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<222> (406)..(406)
<223> n is a, c, g, or t

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<222> (429)..(429)
<223> n is a, c, g, or t

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<222> (443)..(444)
<223> n is a, c, g, or t

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atttggcgtc tccagagctg tccaggtaag aggctgcagg gcgggcaggg cggggctcgg 120

ctctgggtca ttgagtaact ctcccatcct tctccctntc ctgccaggaa tnngntctng 180

cccggttcaa aagcaatgtg acnaagacaa tgaagggntt tgnntacatn ctggccaagc 240

tacaaggtga ggccccttcc aaaaccctng ttgagacagc caaagaggcc aaagagaaag 300

caaaggagac cgcantggca gntacagaga aggccaagga cctggccaac aaggccgnca 360

ccaagcagca gcagcggcag ctcgtataac tcgcttcntn tccctntccc cagtgtacgt 420

gattattana gagcaacctg cannctctc tgctgtctgg ggtggtgggt cagggccctg 480

tcctggtcag catctgcacc aaccagctct gtctgccggg cagca 525

<210> 1202
<211> 382
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<400> 1202
aaagcagcgg tctgtcttca gagacgttct gagggnctgt ggaggaacgg gattttccaa 60

cagaaactgt taaatttggt cctgagcgca tgtatattga tagctgggtc aaaaaacata 120

cctatgacac gtttaaagag gttcttggat cagggatgca gtaccacttg cagacaaatg 180

aattccttcg aaatgtattt gagcttggac cccctgtgat gcttgatgct gcaacactta 240

aaaccatgaa gatttctcgt tttgaaaggc atttatataa ctctgcagct ttcaaagctc 300

gaacaaaagc tcgaagcaaa tgccgagata agagagcaga tgttggagaa ttcttgtaga 360

tgtctgaatt tgatggctgt tt 382

<210> 1203
<211> 494
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<400> 1203
gaattcgcaa tctgaaccca agtgaaaaaa caaaattgcc tgaattgtac tgtatgtagc 60

tgcactacaa cagattctta ccgtttccac aaggtcagag attgtaaatg gtcaatactg 120

actttttttt ttnattccct tgactcaaga ccgctaactt cattttcaga actgttttaa 180

acctttgtgt gctggtttat aaaataatgt gtgtaatcct tgttgctttc ctgataccag 240

atcgtttccc gtggttggtt agaatatatt ttgttttgat gtttatattg gcatgtttag 300

atgttgggtt tagtcttctg aagatgaagt tcanccattt tgtatcacac agcacaacca 360

gtgtctgtca gtttccacgc ataaagttta gtgagacgtn tatatgtaag atctgatttg 420

ctagttcttc ctggtagagt tataaatgga aagattacac tatctgatta atagtttctt 480

catactctgc atat 494

<210> 1204
<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<400> 1204
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agcattagaa tagaaagcag gaaatgtgat tgccctaatt gtagaaattc tnatnctccc 120

ccccccccc caaattaaat gaaaacatga acgctagatg ggaatgatgg gagaaataat 180

atatttattt cggtgaaatt ttgcatgtgt gaaagtttgt taactaggat cttcgaaatc 240

ctagactttg cttttgtctt actgtgggaa acaaagtctc ttgcagacac tagcatttta 300

aggtgacaaa ggtcagagat tgtttccttt ggtttaagga gcagccaagc attcttcaat 360

tgggggctag ggtagggtat ggctgttgat aacaca 396

<210> 1205
<211> 277
<212> DNA
<213> Mus musculus

<400> 1205
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gatcatcctg ccggagatgg tgggtagcat ggtgggcgtg tacaacggca agaccttcaa 120

ccaggtggag atcaaaccag agatgatcgg ccactacctg ggcgagttct ccatcaccta 180

caaacccgtg aagcacggcc ggcccgggat cggtgccacc cactcctccc gattcatccc 240

cctcaagtag ccgaggccaa taaagactgg ttttggt 277

<210> 1206
<211> 426
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (107)..(108)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (116)..(120)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (242)..(242)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (284)..(284)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 1206
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ttttggacag attatcacaa ctactgcatt caggtggggt ggggtgnngt gggntnnnnn 120

tgttttctgg agaaacgaca tcacacacgt ggtgccatga cccatcttcc tttacaactc 180

aattccttga ttttgcctca gctcccagac tgaggnaana ttaagcaatg gacagcagga 240

tntcatctca tttgagtnaa nttacaaatg atacctggaa cctntcacat ttncctaatt 300

ggcttattca catgcattag acattgctaa actagtttga ttttagttat tgatgtggtt 360

ttttttttt tttnatgaat agtgcccagt agatggagaa agatttgcaa cctcaaattt 420

tccacc 426

<210> 1207
<211> 444
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

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<222> (264)..(264)
<223> n is a, c, g, or t

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<222> (270)..(270)
<223> n is a, c, g, or t

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<222> (327)..(327)
<223> n is a, c, g, or t

<220>
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<222> (339)..(339)
<223> n is a, c, g, or t

<400> 1207
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cacctctctg cacttcatcc ccagctgcac ctgcctcccc cacttaacct ctgggaagga 120

catggagagc tgaagtgaca aatgggctca ttctcaggcc actctgtcgg cattgcttga 180

tnccnngttg accttaagct gggaagactg cagacccaag actnttnatn gtagtttnag 240

ggantcantn tgaggagggc tatnccaggn ccaggcaggg gttaacctct nccaggttga 300

cagaactgag atactgcact gggaagncca tgcttcccng gctagaaatc tatttttgga 360

agtgtgagtg gtgcgcatag tgtgaatggt gtagatcctt gatttccata aacctgtaaa 420

agcaatactt agaggctgac ttat 444

<210> 1208
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
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<222> (149)..(149)
<223> n is a, c, g, or t

<220>
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<222> (169)..(169)
<223> n is a, c, g, or t

<220>
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<222> (203)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(209)
<223> n is a, c, g, or t

<400> 1208
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gcgtaatgac atcaccctgc tgaagctggc cactcctgcc cagttctctg agactgtgtc 120

tgccgtgtgt ctgcccactg nttgacgant gacttccctg ctgggacanc tgtgtgccac 180

cactggctgg ggcaagacca aanntacnna atgccctcaa gacccctgac aagctgcagc 240

aggctgccct gcccatcgtg tccgaggcta agtgcaagga gtcctggggt tccaagatca 300

ccgatgtgat gatctgcgca ggcgccagtg gcgtctcttc ctgcatgggt gactctggtg 360

gccccctcgt ctgccagaag gacggagtct ggaccctggc aggcattgtg tcctggggca 420

gtggtttctg ctccacttcc acccctgccg tgtatgcccg agtcactgcc ctcatgccct 480

gggttcagga gatcttggaa gccaact 507

<210> 1209
<211> 263
<212> DNA
<213> Mus musculus

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<222> (173)..(173)
<223> n is a, c, g, or t

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<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (234)..(235)
<223> n is a, c, g, or t

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tgtgtgtgta acattggcca aaagtgttta caggtcaacc tagggtttgg tcactacggg 120

aggccagtga tctagcatcc aatctgtagg agaactccaa gtgcctggac ctnccagggc 180

agtttagggt tctgccacta ntccatgaga cattggtcat taggtggttg tntnnttctt 240

ccatcttgag aaagggaccc tga 263

<210> 1210
<211> 313
<212> DNA
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<222> (36)..(36)
<223> n is a, c, g, or t

<220>
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<222> (288)..(288)
<223> n is a, c, g, or t

<400> 1210
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cccaggcctg tccttgaaga tccctgcctt gtcctgcatg tacatggctg cttcaagtga 120

agcttcagtc ttcttacctg ctgtggtcac tcctgaagac tctgtcccga agtttggtgc 180

tggctgctcc agcccagcat gacttccata taaagatgct tagtttgccc cctccacaga 240

gctgttcccc tcacccacct gttattctgg aggggtcaga ggaggccngg gcttgactca 300

tctcagggaa cat 313

<210> 1211
<211> 269
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (220)..(220)
<223> n is a, c, g, or t

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gatccgcaag catgcgcaga ccttcatcgc tctgtgcgct accgacttca agtttgccat 120

gtacccgccn tcgatgattg caactggaag cgtgggagca gccatctgtg ggcttcagca 180

ggatgatgaa gtgaacacac tcacgtgtga tgccctgacn gagctgctgg ccaagatcac 240

ccacactgat gtggattgtc tcaaagcct 269

<210> 1212
<211> 366
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (159)..(159)
<223> n is a, c, g, or t

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<222> (161)..(161)
<223> n is a, c, g, or t

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<222> (163)..(163)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

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agactgagcg tccgggtctc tccgtcgcat actcttgctg actaaagtag ctgctaccta 120

agggatatnt cttttgccag ttggacacag gtgaacggnt ncntaagtnt catgtttggt 180

gaatttgggc ttntacttcc aaacatggtt cattgtagat gtattttact gttatntgat 240

ggagggaatt cgctatgggc catgaccaaa acgcatctaa atgggggcag atggagacca 300

tagacggaat ctaaaacaaa gctgccttgt gtaagggaag agggtgaggt gatctttaat 360

cccctt 366

<210> 1213
<211> 277
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
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<222> (252)..(252)
<223> n is a, c, g, or t

<400> 1213
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gaacatcaaa gtgaaactgg atgtcatctg acttgatccc cgccatctga gctaggagat 120

aagaacagga ggtgtcctgt ataacacaag tgagggtatt atgggctcac tctgggtcta 180

tacaagaatt tcagtactga agccaagaac aggcaggtga aaattcaaga cttctgagtc 240

tctgtaacct anctgaagtt ggttttcata tcttttt 277

<210> 1214
<211> 496
<212> DNA
<213> Mus musculus

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<222> (310)..(310)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (320)..(320)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

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<222> (371)..(371)
<223> n is a, c, g, or t

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<222> (462)..(462)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgaaaaagac cttccttctg ccaaaatcaa ctgcccagag ggtgccaacg cctatggttc 120

ctactgttat tatctaattg aagaccgttt gacctggggg gaggctgatc tcttttgcca 180

gaacatgaat gcaggtcacc tggtgtcaat actcagccag gctgagagca actttgtggc 240

ctcgctggtt aaggagagtg gtactacagc ttccaatgtc tggactggac ttcatgaccc 300

taaaagtaan cnnnnntngn cactggagca gtggntccct atttntnctt caagtcatgg 360

gccactggag ntccaagcac tgccaaccgt ggttattgtg tatcgctgac ttcaaacaca 420

gcatacaaaa aatggaagga cgaaaactgt gaggcacagt antcctttgt ntgcaagttc 480

agagcctaaa gtcacc 496

<210> 1215
<211> 508
<212> DNA
<213> Mus musculus

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<222> (451)..(452)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (460)..(463)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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aggatggcat agaagaggcc tttactaaga ttaataatta aagaaacaca gcctttaaag 120

taaaaaacac actgtgcctt tgaaacttgc taaaaagatt aacttctgtc ccaaaaggta 180

tcagccatgc gctaccagcc tccctgcccc tacagtggca gtggctgcat tcttggtgaa 240

tggtagtgga agggattaaa cctaggcctc agtcatgctt cccagtcact ggtactgatt 300

tgtatgcacc cgcttaggtg tgaaggtagt tttggtgtgt atcacaagtt agcctgtgta 360

gcgaagacag gttttctcca ccgtgttttt tgttacacat gactattcac aaatgtgctg 420

cagacagtaa aatgagaaat acccttccaa nnaaaaaaan nnnannnnng ttttggggta 480

ggggtgtcca agacggtctc ttggttta 508

<210> 1216
<211> 105
<212> DNA
<213> Mus musculus

<400> 1216
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gacaagctaa actgaaaagt acttcagtta tgatgtttgg acctt 105

<210> 1217
<211> 422
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<400> 1217
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tttcaccttt gtgtgtccaa ctgaaatcat cgcttttggg gatcgaattg aagaattcaa 120

atctataaat actgaagtgg tagcatgctc tgttgactct cagtttaccc acttggcctg 180

gattaatacc cctcgaagac aaggaggact ggggccaata aggattccac ttctttctga 240

cctgaaccat cagatctcaa aggactatgg tgtatacctt gaagactcag gacatactct 300

tagaggcctc tttanttatc gatgacaaag gagtcctgag gcagattant ntgaatgacc 360

ttcctgtcgg aagatcagtg gacgagacac tgcgtttggt tcaagccttc cagtacactg 420

ac 422

<210> 1218
<211> 418
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (276)..(277)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (383)..(383)
<223> n is a, c, g, or t

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<222> (385)..(385)
<223> n is a, c, g, or t

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actcaaaaaa gcaacgtgga atgagtttgt catgaaactg aacaatagca aaaatgacca 120

ggagaaggat ggcatcgaca tagaattgag agtcttcttt ggtcagctga ctgatgaaga 180

actaatgaaa ataatgacta acattttcca cccaatgttg gaagaggaga aaacacagcc 240

agttgttgat gaccctgaat ttgaggatta nacnannaga gntggcgatg ggtttttgt 300

accaaatcag ccacagtaac atagacagca gtatgaagtt aggcaacgag tgaaacagcc 360

actgtgctgt tgtntaacag atntntgccc caatatgtga actgccttat ggtgaaaa 418

<210> 1219
<211> 421
<212> DNA
<213> Mus musculus

<220>
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<222> (380)..(380)
<223> n is a, c, g, or t

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ggaggctgac aacttttttt accatgggat tgccaagaag ccttgtgaga atgtcccagc 120

ctgctgctct ggttaggctg aggttaatac cctggtgttg tggaagcttc ctaagtggct 180

cagatacata ctagggttga aaacatggtt tctaagtttc tacatgagtc agaagcaacc 240

tgaagagaag aaaccgcaca gctgggaaaa tggggagagc ttagtgtgta agaacactta 300

ctacaacaga caggaggacc caaggtcaga tattcagcac ccatgctaaa aacactggtt 360

tgaccacatg aacacgtgan tctgcaaggt ggggcagtga ctactgctag agcctggtgg 420

c 421

<210> 1220
<211> 514
<212> DNA
<213> Mus musculus

<400> 1220
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gccgggagtg aagaaatctt tgggcaagta tggccctagc agtgtagaag acaccacagg 120

aagtggagct gcagatgcta aggatgatga cgacattgat ctctttggat ctgatgatga 180

ggaggaaagt gaggaagcaa agaagctacg agaagaacgc cttgcacagt atgagtccaa 240

gaaagctaaa aagcctgcag ttgttgcgaa gtcttccatc ctactagacg tgaagccttg 300

ggatgatgag acggacatga caaaactaga ggagtgtgtc cgaagcattc aagcagatgg 360

cctggtgtgg ggctcctcta aattggttcc agtgggatat ggaattaaaa agcttcaaat 420

acagtgtgta gttgaagatg ataaggttgg aacggatatg ctggaagagc aaattactgc 480

ttttgaggac tacgtacagt ccatggatgt ggct 514

<210> 1221
<211> 489
<212> DNA
<213> Mus musculus

<400> 1221
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aacaccctgg cccgacggaa gggcaggcat atgggcatag ggaagaggaa gggtactgcc 120

aatgctcgga tgcctgagaa ggtgacctgg atgagaagga tgaggatcct gcgccggctt 180

ctcaggagat accgggaatc caagaagatt gaccgccata tgtatcacag cctgtacctg 240

aaggtcaaag ggaatgtgtt caaaaacaag cgcatcctca tggagcacat ccacaagctg 300

aaggcagaca aggcccgcaa gaagctcctg gctgaccagg ctgaggctcg caggtctaag 360

accaaggaag cacgaaagcg ccgggaggag cgcctccagg ccaagaagga agagatcatc 420

aagactctgt ccaaggagga ggagaccaag aaataaagct tccctcgtgt ctgtacatag 480

cggcctggc 489

<210> 1222
<211> 585
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (424)..(424)
<223> n is a, c, g, or t

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<222> (512)..(512)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (532)..(532)
<223> n is a, c, g, or t

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aagccgaggg gacaaaatca aaagaagagg aaaaactcaa ccaaggaaac aaggtctctg 120

tttttgtgga agatacagac taacacttcg agaagctgag gatttttgag gacaccatca 180

gcacccttg aaatcaatag aaatgtttcc agcgatgacc tgtctgtcgt cctacaggtt 240

ctgcagcaca aacctgccca gatgagcaac gcccctgcct ggcagctttg ggttctgcct 300

gagctactag actcagactt accttngttg ctacggttct atctaattcc agagtgcaat 360

tgtgtgttag cttttgcaaa ccaagaggtt acatatttgt ccttccacat tcctatggtg 420

tgtnactccc atatttctgt gcatcagagg ggtaagaagc caactagctt gtctgccaga 480

acataccttc tcatatttta gtttctttag ancagcacac aggtgtgctc angggtctga 540

agagatagct catctatcct cttgcagaag atcccagttc agttc 585

<210> 1223
<211> 86
<212> DNA

<213> Mus musculus

<400> 1223
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ctgaaggtgg aattgtccca gcttcg 86

<210> 1224
<211> 378
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (43)..(45)
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<222> (47)..(62)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

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nngnngnant tnnccnnnnt nnggnnnccn aanngnnagg nggcnccgcg tccaagntnt 120

ccaagatacg agtngttcgc aagntntntc gcccgagtcc tcactgttat taaccagant 180

caaaaagaaa acctcaggaa attntacaag ggcaagaaat acaagcccct agacctgcga 240

cccaagaaga ctagagccat gcgccgccgg ctcaccaagc acgaggagaa gctgaagacc 300

aagaagcagc agcggaagga gcggctgtat cntntgcgca agtatgcagt caaggcctga 360

gatgacaacg acaataaa 378

<210> 1225
<211> 377
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (203)..(203)
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<223> n is a, c, g, or t

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<222> (283)..(283)
<223> n is a, c, g, or t

<220>
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<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

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tcctgtggtc gcccagcttg aagctggaca cttctttgat gaatctatca ctaagcagca 120

tgtctttgcc tctgtccatg acgctgtgac ctttgccctc anccaccgga agtctgtccc 180

taagagccct gttttggcca ccnaactctg acttntgctg caggagactg cctacctctg 240

gaggttgtga caggtcaccc tcatgaaacc ccctncctnt ggnccacctc caggtnccac 300

ctgggactcc attccatgta cctgcacata caattcatgg atggatnccc tgggactccc 360

aagttcagtg ctacagg 377

<210> 1226
<211> 366
<212> DNA
<213> Mus musculus

<400> 1226
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agattgattt ggagacaggc aaaataactg acttcatcaa gtttgacact gggaacctgt 120

gtatggtgac tggaggtgct aacttgggaa gaattggtgt aatcaccaac agagagagac 180

atcccggctc ttttgatgtg gttcatgtga aagatgccaa tggcaacagc tttgccactc 240

ggctgtccaa cattttgtt attggcaagg gtaacaaacc atggatctct cttcccagag 300

gaaaaggaat ccgcctcacc attgctgaag agagagacaa gaggcttgcg gccaaacaga 360

gcagtg 366

<210> 1227
<211> 373
<212> DNA
<213> Mus musculus

<220>
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<222> (255)..(255)
<223> n is a, c, g, or t

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gtctccgagc tcgcttgcat ctactccgcc ctcatcctgc acgacgacga ggtgacggtc 120

acggaggata agatcaatgc cctcattaaa gcagctggtg tcagcgtcga acctttctgg 180

cctggcttgt ttgccaaggc tctggccaat gtcaacattg ggagcctcat ctgcaatgta 240

ggggctggtg ggccngctcc agcagctgga gctgcgcctg ctggtggtgc tgctccatcc 300

actgccgccg ccccagctga ggagaagaaa gtggaggcaa agaaggaaga gtccgaggag 360

tctgaagatg aca 373

<210> 1228
<211> 503
<212> DNA
<213> Mus musculus

<400> 1228
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agtgaccctg agcaagaaca tccagacagc ttgcctccca cccgctggca ccattctccc 120

gagaaactat gtctgctatg tcacaggctg gggcctgctg cagaccaatg ggaacagtcc 180

tgacaccctg aggcagggcc gcctgctggt tgtggactat gccacctgct ccagcgctag 240

ctggtgggga agctctgtga agtccagcat ggtgtgcgct ggtggcgacg gcgtgacctc 300

cagctgcaat ggggactctg gcggaccact gaattgccgg gcatctaatg gccagtggca 360

ggtgcatggc atcgtgagct tcggctcctc tctgggctgc aactaccccc gcaagccatc 420

cgtcttcacc agggtctcca actacattga ctggatcaac tcggtgatgg caaggaacta 480

actgaagaca ttactgccac tgt 503

<210> 1229
<211> 161
<212> DNA
<213> Mus musculus

<220>
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<222> (33)..(33)
<223> n is a, c, g, or t

<220>
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<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<400> 1229
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aatgtgaaga ctcacctaga aaaagcattt tctatntaca gtccacatta gagccttaat 120

ntgctctttc catatctgtc tttagtcctt ttggtataag t 161

<210> 1230
<211> 315
<212> DNA
<213> Mus musculus

<400> 1230
actgctatgc cttgtttcag ataccacaga cctggtttga tgcagaactg gcctgccaaa 60

agaggcctgg aggacacctc gtatctgtgc tcaatagcgc tgaggcttca ttcttgtcct 120

ccatggtgaa gagaacagga aacagctacc aatacacttg gattgggctc catgacccca 180

ctctgggtgc agaacccaat ggaggtggat gggaatggag taacaatgac gtgatgaatt 240

actttaactg ggagaggaac ccatctactg ccttagaccg tgctttctgt ggcagcttgt 300

caagagcttc tggat 315

<210> 1231
<211> 556
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<400> 1231
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ctgcagcaag atgactgttg ctaacgagtt gcgttcgaag gtttggctgt cgggagccct 120

tantcntcat caatggcagc aagccacggc tttcaagttt taataaaatg ccaagaagga 180

agctgtcccc attcattctc tgaacaaaac cctccttgtt cattggccca gggtggctat 240

gagatactag gagagggggt gccaagccca gagcatggct gccaccccat tctcctacct 300

gtggtgacag cttcaagttg aaaggtatgg gggaattgag tcatttagtt gtggtttgta 360

ttgcactgaa acccttattt gtgttgtgaa attgctgctc atggggtctc aactatgtgg 420

tttctctttt atttggtcaa gttcaaggct gtgcattaga agtttggctg tcattgtgat 480

gtgtaactga tctcaagctg gtattcatta cccctgcaga gtcttctaaa caaaggccct 540

gtgtggagga ctgcaa 556

<210> 1232
<211> 388
<212> DNA
<213> Mus musculus

<400> 1232
actgcagtga ccacatcctg agcgttcctc cataagaaag aatagagtta tcctctgtct 60

ttgcccacca tggttctcat tagtaactta gagggctcag tgctacttct aggaccttta 120

gtctctgaaa tctgggaaaa atgtttattt gcatagtttg ttagtgcctc ttaaatgtca 180

aacaggaata catttcagta gaaactttaa tttcattttc aattgtttgt aaattcatca 240

gtatttagta aattgatctt ttttttatat ttctgcttcc aatgcaggtg caatttaata 300

taatagactt tttaaagaaa ttaatgctaa catcattctt gagcttttta tataaatata 360

tttaatttgg aagcgtgtgt gtgcacat 388

<210> 1233
<211> 543

<212> DNA
<213> Mus musculus

<400> 1233
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gatagtggga ccacataggg taaatcttga tttgtatggg ttcatttctg atttttttag 120

ggagatcttt gtgtcagtca aattggcagt ggggaaagat cctggcactg tttaactgtg 180

agctttcttt catgtctgac ctggagctga aaaaaagtcc tatggagtgt tcctgcaatc 240

caacttctta ggttgtctct cccctatact gtgacttact taactcgcaa attgaaaata 300

tggtctcaag gtagaagagg aagcctgaga atccaaaggg ctttagtcat aaaagaatct 360

agctcatgag tactattctt attaccagac agccacgaga agaagttaac ttactatgta 420

tatccagatg caaaacattc acagatgtgc ctaaagaaac cgcgacttag gccagttcag 480

aactaacaac tgtttcaggt agaggtgcat gcctgatggt agacatcgat tccattaact 540

gca 543

<210> 1234
<211> 457
<212> DNA
<213> Mus musculus

<220>
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<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<400> 1234
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ggctgctttg cccactggta acttgtgatt tcttctcctt ctaatgtata agaatacatt 120

agctagaatt gttgccaaga ttgttcttga tcacgcagac cctcttacgt aactacacta 180

ttatataact cctttatgga ttgaataaag ctgttggttt ccagaccttg anaannannn 240

nnaanacaaa ataagtctga cctaaagttg ttagtaaaat aacctcaatt agagcattat 300

tcatataaat gtactttatt gttttaaaca gaacaaaaga agaggcagaa acatttgcat 360

ataagtccta gcttataaac atagttttta gtggtggcat ctctaacacg tcattcaggg 420

actgtttcct tttgcctcct tgtactgtaa gcactga 457

<210> 1235
<211> 540
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<400> 1235
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ctagcccgga aggagctgaa gaagatgcag gaccaagatg aggacgccac ccttacccag 120

ctagccactg cctgggtcaa cctggctgtg ggtggtgaga agctacaaga agcctactac 180

atattccaag agctggccga caagtgctcc cccnacactg ctgctgctca atggccaggc 240

agcctgccac tcngcacagg gccgctggga gactgcagag ggtgtgctgc aagaggcact 300

ggacaaggac agcggccacc ctgagaccct catcaatctc attgtactgt cacagcacct 360

gggcaagccc cctgaggtga caaaccgata cttgtcacag ctgaaggatg cacacagggc 420

ccaccccttn atcaaggagt accaggccaa ggagaacgat ttcgatcgcc tggcaatgca 480

gtatgcgccc agtgcttaaa gtggagatgc cctggtgacc ccaactgtgt gccgcgggat 540

<210> 1236
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<400> 1236
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cagaaggtgc tctgaagagg cggctgatgc cagaagtcag catgcctctc tgagagaggt 120

ggnagncctt agangttagc atccccctca ngcggaagtc tgtggagagc tttagttaga 180

tccgaggctg cttcagattg atctccaggt gaggtgagag gaaacgggaa tcctntgaat 240

taaaaacacn gcaaagaagc ctgtntcttg gtgttgcagg tggaagtgtg gggagtcatc 300

ctgtgacctc ttgcttaact ct 322

<210> 1237
<211> 502
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<400> 1237
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tagcatcttc agtgaggcta ggcctaaccc agaaatctct atgactttat agaaggttnt 120

aggcagtttg ataaaagagt ctatcctctg gacttagaac tttctagagc atgcttgtca 180

gtggagggct tgtttttatg accttgattc aagtggctgg ttgggtattg aaagagtatt 240

ttgttgattg aaatcatgtc gaggtagttt ggcttttctg tagataaata aatttgggat 300

ggacttttta agggggagtt tatggcttgt tgaagacact gttgaatagt ttcttactaa 360

atagagtgac aaacttatct atagccttga aacctggatg agccacatgc gcaaaaaact 420

cctgtaggct ttcagtgtat catttacttt ttcaggggtt tttattgtgc ttaaaccttt 480

ccagtgccca cagatctgaa aa 502

<210> 1238
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(240)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (250)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (256)..(257)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<400> 1238
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agctgagcgg gactgggagc agttccacca gcctcggaac ctgctgctag ccttggtggg 120

agaagtgggc gagctggcag aactcttcca gtggaagtct gatacagagc ctggtcctca 180

agcatggcca ccaaaggaga gagcagccct tcaggaggag cttagcgacg tcctcntcnn 240

acctggtagn nnntanncag cccgctgcca tgtggattta cctcaagcag taatntccaa 300

aatggacacc aaccgccaac gttacccagt ccacctgtcc cgaggttctg cctgcaagta 360

cactgacttg ccccgtggga ccatntntga aaaccaggct gtgggggctg gagaccctgc 420

ctcggagctg agagaccagg cttccacata aaaacgaggt gctaatctgg ccttattaag 480

t 481

<210> 1239
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<400> 1239
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aagggaaagt tagtagtcgt ccttttactg actgtcacag tggatcggaa ggacaagcat 120

gtgcaaatac tcatctcagt aaggtcgggt gtgggtgaaa ggacacagaa ctgctgctga 180

ctttccgaat gtgtggaatc cccttgtgag gtatccagcc ctagaaagcc gagaacagga 240

agtaatgctt tggggctaac ccacagaaag gttagtttac cattagaata gatgggaaga 300

aggctctntc aagagttcta ggtctcattt agtttataaa gggaagcttt gggtccagat 360

ggtgaaagaa aaggcaacac aacactaaag attttattca tgtttgagaa aaggtatctg 420

aactccagct caaaggggat agttaaaata gtattattta acttagttgg tatttataat 480

aaatggcgat cttaattact cataa 505

<210> 1240
<211> 232
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(97)
<223> n is a, c, g, or t

<400> 1240
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cctgttggcc tncnnnnntn nnnnnnnnnn nnnnnnnccg acttgcgcgg aggcggaagc 120

tcgggtgcgt tcaagattcg gcgtcacccg tgattcaccg ccatggccga ggaaggcata 180

gctgctggag gtgtaatgga cgtcaacact gctctacaag aggtgctgaa ga 232

<210> 1241
<211> 393
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(97)
<223> n is a, c, g, or t

<400> 1241
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cctgttggcc tncnnnnntn nnnnnnnnnn nnnnnnnccg acttgcgcgg aggcggaagc 120

tcgggtgcgt tcaagattcg gcgtcacccg tgattcaccg ccatggccga ggaaggcata 180

gctgctggag gtgtaatgga cgtcaacact gctctacaag aggtgctgaa gaccgccctc 240

atccacgatg gcctagcacg tggcatacgc gaagctgcca aagccttaga caagcgccaa 300

gcccatctgt gtgtgctcgc atccaactgt gatgagccca tgtatgtcaa gctggtggag 360

gcactttgtg ctgagcacca aatcaacctg ata 393

<210> 1242
<211> 432
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
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<222> (301)..(301)
<223> n is a, c, g, or t

<220>
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<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<400> 1242
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agaaacaggc ttctatcagc tttgtctaaa aaatgagcag aatcgcttca gttctataca 120

agtgtatctc aacttnggag tcttctatga ggggcccgag gtggatcaca agcagagtca 180

aaggaagcaa ctgaacgaca ctctggatgc gattaaggac agcacacaaa gggtggagaa 240

ccaagtttc cacatgtggc gcttctacaa ntatgccagg atgagnaaag tggctgantt 300

nttcntcctg cagtctaact acacctatgt gaactggtgg tccacagntc agagccttgn 360

tattgttctt tccggggccc tccagntnta tttncttgaa aagacttttt actgcttcaa 420

ctactgacac aa 432

<210> 1243
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<400> 1243
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ttaaaagttg tagttaaaaa aatttctcat ttaattttcc agtctcgatt gcaataacaa 120

aatcaaccac acagtcagat gtctcaacaa acacctgtca tcccagtatt tgggaagtgc 180

aggcaggagg atcaggggtt caaggccagc ctgggctaac agtaagtttg aggctagcct 240

tgtctgttac ataagtaata acaataaaaa tcaatcaaag tcctgntcag gaattttaaa 300

ttgaacgaca tatccttctt ttctagtggt gctattttca aatcaaaaaa ctttgcattg 360

gctatttgtt tttacaaaca tggttgagtt tcacacggtt ccttgtgatn tccatttggg 420

tgacccgagg gtttgtttga ggaaggtgac tataatgaag gttagcattt tctgttcaaa 480

tagttcttgt tcaggcaa 498

<210> 1244
<211> 464
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<400> 1244
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atccataaat atttctaaaa gcgcctttaa cattaccttt tttcaacatt atcttttata 120

aacaataagg gttattgctt ttaggaactc tggggaaatt ctgtgtagct taaaatcagt 180

cattaaaact cacaatagag taagtaaata gagccacctg ttctgacatg taaataagca 240

tagtttgttc caaagatgga acattgaagc ccagctgtgt ctactgtaat atattactca 300

aaagctactg ggcgttttac agtaagcact tcatgtcaac agctacanca aacaccaaat 360

ctgaaccact agtgtggctg cttcgcaagg actaatgtca gagggttagg ctgcaagtga 420

tcagtgtttg acagcccntg cagtgatctt ctttaactca ttta 464

<210> 1245
<211> 476
<212> DNA
<213> Mus musculus

<400> 1245
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gctgcatctg atgaaactga tgggtactgc ttgtccctca gctcacactt ggcggtggcc 120

tctcgatcac tctgggtctt gggagctctt gccttcacct gtggatccac ttaagacatt 180

gtggtctgaa gctcaggcca cagtgcctgc ctcgttccct cagcctccct cccagggctc 240

cagagctcag ctcttccttt tctagaagca tgtgaagatg cccaagagcc tggagacatt 300

gccatccttc ctacagaaac tgtttctcct cctcccctcc agccttcaca caagggcctt 360

ggctttgttg agacagagcc tgtgctggca cttgctgtta gggtaggaag aggcacaaag 420

aggaccccgg tagcggtgat ctgtggcctt ctgtgggtag caccaagcca gtcagt 476

<210> 1246
<211> 309
<212> DNA
<213> Mus musculus

<400> 1246
cttgcagggc tctggtggat gaattagagt gggaaattgc ccgcgtggac cccaagaaga 60

ccattcagat gggatccttc cgaatcaatc cagatggcag ccagtcagtt gtggaggtac 120

cttatgcccg ctcagaggcc cacctcacag agttgcttga ggaggtgtgt gaccgaatga 180

aggagtacgg ggaacagatt gacccttcta cccaccgcaa gaactacgta cgcgtcgtga 240

gccggaatgg agaatccagt gaactagact tacagggcat ccgaattgac tcagatatca 300

gcggcaccc 309

<210> 1247
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<400> 1247
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agatgcttgt ttttattaaa catttggaga tttagataat ttacatttta actgaatgtc 120

taaagtgatt atcttcccct ccctccccca agttaatctt ccatctttgt ttttgggttt 180

caatgaaggc tttacataag aaattattaa acaaaacaag gggggcaata aatgtatata 240

acattaataa tgtcgcgtag gtgtaggttc ctggatgcat ttggatgtac agactgactg 300

gngggactgt attgcgatga tgattggtgt agaaacgtat gggtctgggt ggccttttac 360

atcttgccta ccattgcatg aaacattggg gtttcttnca aaatgtgtgt ngtcatactt 420

cttttgggag ggggttgttt tcttctttta tgaaactcct actggagctc aatttgtaa 479

<210> 1248
<211> 192
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<400> 1248
gaagaggagg gcttaccctt gcaaggcagc cacactggag atggcaccta agaaagccna 60

aggcgaaacc gaaagaggtc agaaaggctc ccctaaaaca agacaaagca gcaggggccc 120

cntctgactg ccaatggagg ccagaaggtc aaacgcagtg ggagcaggca agaagcaaat 180

gcccatggga aa 192

<210> 1249
<211> 522
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cgtgcatgag cccttggcag atgtccaggc cgtctgctcc caggaaaatg tcacctgcaa 120

gaacaggaag agcaactgct acaagagcag ctctgccctg cacatcactg actgccacct 180

gaagggcaac tccaagtatc ccnaanntgt gactacaaga ccactcaata ccagaagcac 240

atcattgtgg cctgtgaagg gaacccctac gtaccagtcc actttgatgc tactgtgtag 300

ggctccacat aggccaaacc agtgagatgt ctatgtctcc caacctcatc acctgtntcc 360

cctctgtcta ccattctttn tctgaaagaa gtaagtcatg ttaggacttc catatgacaa 420

aacatgcgtt cctgtcctgt gtcatgctcc cagatccctn tcttgctgta gacaaatgaa 480

gcaagatngc cctcaccaga acatgtccct tcaaccttag ac 522

<210> 1250

<211> 512
<212> DNA
<213> Mus musculus

<220>
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<222> (223)..(223)
<223> n is a, c, g, or t

<220>
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<222> (276)..(276)
<223> n is a, c, g, or t

<400> 1250
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gctacgctcc agcatcactc ccggaactgt cctgatcatc ctcactgggc gccacagggg 120

caagagagtg gttttcctga agcagctgga cagtggcttg ctgcttgtga ctgggcctct 180

tgtcatcaac agagttcctc tgcgcagaac acaccagaag ttntgtcatt gccacctcta 240

caaaagttga tatcagcgat gttaaaatcc ccaaanacct gactgacgct tacttcaaga 300

agaagcagct gcgcaagccc aggcatcagg agggcgagat cttcgacaca gagaaggaga 360

aatacgagat tacagagcag cgaaaggctg accagaaagc tgtggatttg cagattttgc 420

caaagattaa agctgttcct cagctccagg gctacctgcg ctctcagttt tccctgacaa 480

acgggatgta tcctcacaaa ctggtcttct aa 512

<210> 1251
<211> 494
<212> DNA
<213> Mus musculus

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<222> (173)..(174)
<223> n is a, c, g, or t

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<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (344)..(344)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (446)..(446)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

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ctggctgtcc tggaactgtg taaactaggc tggcctcaaa ctcagaaatc cacctgcctc 120

tgcctcccaa gtgctgggat taaaggcgta caccaccact gcctggcctt gcnntcttta 180

caaacaccta ggggtggccc tatggttttg ttttagagaa aagaggtccc ttacctcacc 240

cccaagaccc ttggcttcaa ggacagagtc agaacaccaa gaganaacca gttataaccc 300

aggncctcac aantgctcnn canagcattt ntaccantca gttntcattc ccagccccac 360

ctacagtntn ntnnaagcag gaccagtgaa cttagaaact aaagccattt tgaccgaata 420

ttcaaagaaa gcatttntnt ntgatnttnc cagccaaaga gctggactgc ctgcctaggt 480

ccttgcaggg aact 494

<210> 1252
<211> 311
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (100)..(101)
<223> n is a, c, g, or t

<400> 1252
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aggcctcggg ccctaggagg gtaactgcac ccccccccn naagaccctt ggcttcaagg 120

acagagtcag aacaccaaga gaaaaccagt tataacccag ggcctcacaa gtgctcggca 180

agcatttcta ccaatcagtt gtcattccca gccccaccta cagtctcatc aaagcaggac 240

cagtgaactt agaaactaaa gccattttga ccgaatattc aaagaaagca tttctctctg 300

atcttgccag c 311

<210> 1253
<211> 377
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<400> 1253
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tcaggatggc tgaagacatc aagactaaaa tcaagaacta caaaactgcc ccctttgaca 120

gccgcttccc caaccagaac cagactaaga actgttggca gaactacctg gacttccacc 180

gctgtgagaa ggcaatgacg gccaaggggg gtgatgtctc cgtgtgtgag tggtaccggc 240

gtgtgtacaa gtccctctgt cccgtgtcat gggtctcagc ctgggatgac cgcatagctg 300

aaggcacatt tcctgggaag atctgacctg gctccgccca cctctcctct gttctttgtc 360

tttctccccg gatagaa 377

<210> 1254
<211> 496
<212> DNA
<213> Mus musculus

<400> 1254
gatactctga gatttgctgt tgtgcttaaa gacaaaagtc tggactcagc cacaaactac 60

tacagcctgt ccacctgaaa tcttgactta cccagtcccc acctgtctct tcctgccttc 120

tttatctgta agaacacaaa tttggcatta cagttaaggg agtgatttga attgattgac 180

aagtcctggc atgtgacaat tttactaaat taccaagttt ggtttttaat aatttcacaa 240

tattatgcgc caagatctaa ttttaaaaat gtacgaggac tttgtgctga aaatacagag 300

tatttttta aagtaaggct gtcttggctt aaaagcagat tacagaaatg taagccagcg 360

taagagcagt ggctggatgt aaagcgccca gcaggaacca caggcactct gtgctgtttg 420

tacttgaggt atgtaccatt tgtatacctg aatttatttt aaagataaac tgaaatgcac 480

atagccaagt cttgac 496

<210> 1255
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (475)..(475)
<223> n is a, c, g, or t

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catgccagta ccctgaagtc acagagggct tcactgaggg ctttttcacc aagtggtggc 120

gctgctttcc tgagaggtgg ttcccatttc cttacccatg gagaagacct ctaaacagat 180

cacagatttt acgggaactt ttccctgttt ttacccaact tccatttcca aaagactcct 240

ccttaaacaa atgtttcctg atccagccgg aacctgtggt gggtagcaag atgcataagg 300

tgcatgacct gttcaccctc ggcagcgggg aagccatgtt gcagctcatc cctcccttcc 360

agtgccgaac acactgtcag tccgtggcca tgccgataga gtctggagat attggctatg 420

ccgatgctgc ccactggaag gtntacattg tagccagagg ggtccangcc tttgntcatc 480

tgcgatggaa ccactctctc ggatctgtag gaaa 514

<210> 1256
<211> 428
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<400> 1256
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tgtcatctta aaatgtgtta caaacgcttc tggaattttg actgcacatg tatcttcatg 120

atttataaag ctactgtgac ctctaatttg gaaaaaccca ttgtaatgat tttcaaagta 180

aagaaagaaa caggatgtct ttttaaggtt ttaagttcat gcattaaata aaatgtatgg 240

gaaagcccaa agacaaactt tctaataccc ttttatacta gggaaatttc acttgctgtt 300

ttgtaccttg acagatggta agactataan ctgaagttca tattgtaaga actgtttgct 360

aaaattgtca agtaaaaaga aatccntgcc ntgtatctat aaaaagatgt atgagctatt 420

atgttgtc 428

<210> 1257
<211> 543
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

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<222> (325)..(325)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(363)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (518)..(518)
<223> n is a, c, g, or t

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agagagacac aagatgtgag agactcctgc tcactgtggg ggtgtggctg gcctgcttgt 120

ttgcctgagg atgctcctct gttggactga ctctatcccc ctggattctg gagcttggct 180

ggcctatgtc ccaccagagg agcatctcag cagccttcca ccagcaacct gagggcctgc 240

cagcttcgtg gctctgggct ctcattacct gtatggccgt nccacagagc tcagtggcca 300

gaggctttga aacaggaagt acatntcagg ttcaggaacc actgtgagct catnantntc 360

tnntgancaa tntgaggcct ggaccagtgg acacggaggg agggtggcga gaggatgatg 420

gggatgatga ggggaacacg ctcccttcct ntccttntca tccaccacta ccactattca 480

gtgtggagca gtggcaaagg tgaccgacct ccacaatntc ctagtgatgc tggaccattt 540

cta 543

<210> 1258
<211> 199
<212> DNA
<213> Mus musculus

<400> 1258
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caatatgatc aagtgcacca tccccgggag tgatcccctg aaggattaca acaactatgg 120

ctgctactgt ggcttgggcg gctggggcac cccagtggac gacttagaca ggtgctgcca 180

gactcatgac cactgctac 199

<210> 1259
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(220)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (291)..(294)
<223> n is a, c, g, or t

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<222> (296)..(296)
<223> n is a, c, g, or t

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<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

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<222> (387)..(387)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

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<222> (411)..(411)
<223> n is a, c, g, or t

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<222> (442)..(442)
<223> n is a, c, g, or t

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<222> (445)..(445)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<220>
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<222> (486)..(486)
<223> n is a, c, g, or t

<400> 1259
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tcacaatcct gcccttccct cacagagctg gaactccaag cctggcccca aagaccctcc 120

atcacgaaga gcactttaca gataagaatc ttcctcccca gttcttcatg cctccttcct 180

gccctttcct tactttgtgt tggatttntt tttnnnnnnn ccaaatatgt gtgtatgtag 240

acttcatggt agtgtttctt atttatttgg ttgctgctaa gccttganca nnnngnttca 300

ccttcctggg ctntccccag tggtcacntc ctgcctggct tcctacttgg gtatagcatg 360

tccnaaactg ggctctgaac actacancct gccnnttgga gctgncctat nctctggggg 420

tgttagagag tttgtgggga tnctncttnc tgagtacccc aggacttggg aaataatgca 480

agagtntccc tttcagtaca taggtaagct tggctatgtt caatatg 527

<210> 1260

<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (446)..(447)
<223> n is a, c, g, or t

<400> 1260
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cagcatctga taacagagct gactgcccct tatatttcct tactgctaac tcctaatgat 120

ctggtaggaa atgtgagtca gtcactttag tactgactca gcaggggtgt gctggggctg 180

ggtactgact gagggtgcaa tagcaatcaa accaaagcta ggtcatttta agagtttggt 240

ggactccaga tatttgagcc ttttcacttt acacagaaaa gttaagacag gaatggggac 300

atatacctgt aatcttcagg atgtgggagg ctgaggcagg agattgcgac tttngagngc 360

cagcttgagc tacatagaga gttgcaggcc ancctgagat acacagtaaa acacacacac 420

acacacacac acacacacac acacannaca atcactgcta catactttat aatgtctgtg 480

ttcaagtacc tcatgggc 498

<210> 1261
<211> 534
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (343)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<400> 1261
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ccccattggc ctgtccaccc tggccgccac ctgtctctag ggtccagggc caaagtccag 120

caagaaggca ccagaagcac cnccctgtgg tatgctaact ggccctctcc ctctgggcgg 180

ggagaggtca cagctgcttc agccctaggg ctggatggga tggccagggc tcaagtgagg 240

ttgacagagg aacaagaatc cagtttgttg ctgtgtccca tgctgttcag agacatttag 300

gggattttaa tcttggtgac aggagagccc ctgccctccc gcnnnnnntc ctgnncgtgg 360

tggctcttag cgggtaccct gggagngcct gcctcacgtg agcccttctc ctagcacttg 420

tccttttaga tgctttccct ctcccgctgt ccgtcaccct ggcctgtccc ctcccggcca 480

gacgctggcc attgctgcac catgtcgttt tttacaacat tcagcttcag catt 534

<210> 1262
<211> 520
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<400> 1262
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catgtaggca gtttatagct tctgatcagt gtagtagaca ttacaaacac tggttgtaat 120

ggggttttct gtagacttta cttgagaggt gagtataaag cattttttag tcatcatcat 180

gacgatgctg ctcaagtgca gatccagaac agtacagcgt tgggttccta gagcatttgg 240

taaactgttg tgggntttct tctttctgtt gccaaaactg cttttccact aattcatgcc 300

tttcaagcat tttaaatatg acaatattta taaatgtgtg gtttggagga attgtttaaa 360

ttctttttcc taattttctt ttttcaggat agattatttc aacaagtaat ttgtagtgat 420

gactgtgttg acttcaattt tggagtgtag tagctgtgtt taaaaaaaag agtaataacc 480

atttggttct tattgaagcc aacacggaat ttgctgctgt 520

<210> 1263
<211> 40
<212> DNA
<213> Mus musculus

<400> 1263
tttgttagct tcctgggttc ccatgaactc agggatttgt 40

<210> 1264
<211> 447
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<400> 1264
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cagaagccgc tgcagcctcc ggaatgattg cgattagtag gatggctgtg ctgtaccctc 120

aggttattgt cgaccatcca tttctctatc ttatcaggaa caggaaatct ggcataatct 180

tattcatggg acgagtcatg aaccctgaaa caatgaatac aagtggccat gactttgagg 240

aactttaaat gacgacgttt gagtacaaag aaagcaggaa caaagcacat tatgtttgca 300

agtggtatat atttaggatt tctgttttat agtgttactt agggaaatat ttaaatagtt 360

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aagagtatgg tcccattgtg tcattgt 447

<210> 1265
<211> 186
<212> DNA
<213> Mus musculus

<400> 1265
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aaggagggcg tgatggtcgc caaaaaggat gtccacatgc ctaagcaccc ggagctggca 120

gacaaaaatg tgcccaacct tcatgtaatg aaggccatgc agtctctcaa gtctcgaggc 180

tacgtg 186

<210> 1266
<211> 89
<212> DNA
<213> Mus musculus

<400> 1266
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agggcatcca gtatctccga gactacctg 89

<210> 1267
<211> 89
<212> DNA
<213> Mus musculus

<400> 1267
caactgctgg gcttgccttc tgttagtgtg gtagtacatg acagaggcat tagactattt 60

tttagctgcc ctcataaata tataacgaa 89

<210> 1268
<211> 434
<212> DNA
<213> Mus musculus

<400> 1268
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aaccctgacc tcgacgttct ttgcacacta taacagaaca ctttcctact tgcttaggca 120

gttactcttc cgagtttata ctcgcctctt ctttaagagg atttcctgaa aagggaacac 180

cggaatttga tttgtggcca aatttactga gaaaaagatg aggttctaaa atggtggtat 240

gaagccctct cccttctttg tagaattaag ataattttga ttttgtagcc tttgagctaa 300

aataactttt gtaaagatta agctcattta gatttttttt aaagtattgc agcaggatct 360

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actgcaggct ttag 434

<210> 1269
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (341)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
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<222> (409)..(409)
<223> n is a, c, g, or t

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<222> (429)..(429)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (471)..(471)
<223> n is a, c, g, or t

<400> 1269
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ctgtgcccta gcctgttgtc cccctcccta ctcccttata tcattcctgg gcccctagat 120

gtgtcctcag ctaacctcct tctctctcca agtgttctga gcctgggtag ctctgggcta 180

ccatgtggtg cacttctgac agacaccagg ggtttctaag cttcagctca ggtccagcct 240

gtcccttcca ccagcctttg cctccgtcct caccacacta cctggtttct tgggtctcca 300

tctgggcttc ctcgtctgct gagcttttgt cccagctcct nntgnnncaa cacaagctag 360

agctgtaccc aagaagaaga ctaacagaaa accaantcag agttggganc ccaccccacc 420

ccggcacant ntcgttttga gtggaaccac tcagagtaaa gggactctnt nttcactttc 480

ttgaacccag aaccaggg 498

<210> 1270
<211> 214
<212> DNA
<213> Mus musculus

<400> 1270
gcagcatgaa tagaagcctc cagctgctgt ctacaccctg gctgggtgcc tacctaaagc 60

ccccaaccac tgtctacatc ctggctggct ggatgcctac ctggtaccca cttgccatgc 120

agaggcctgt ccgggaggtc acagccttag gcaaacagtt gaacctgtgt caactgcccg 180

cttcctccct cgtgcacctc aatctatgga tctg 214

<210> 1271
<211> 408
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<400> 1271
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atatttcagg ccaaacatcg tggtgtcagg ctgtgaggct ttcgaggagg atacttggga 120

tgaactcctg attggtgacg tggagatgaa aagggtgttg agctgtccca ggtgcgttnt 180

gactacagtg gacccagaca ccggcatcat agacaggaag gagccactgg agaccctgaa 240

gagctatcgc ctgtgtgatc cttctgtgaa gagtatatac cagtcatctc cacttttgg 300

gatgtatttc tcggtggaga agcttgggag cctgagagtg ggtgaccctg tgtaccggat 360

ggtggattag tggatcccat ggctgacacg cttccaggtc cgaggaga 408

<210> 1272
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)

<223> n is a, c, g, or t

<400> 1272
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tggggctccc acgggccctg gctactggga ccaatactac ctttgctggt caatgcttct 120

gggcatgggc ttccctccgg tggatatctt ctctccacta gtcctcggaa tcatggcggt 180

agccctggga gccccaggac tcatgttcct ggggggaggc ctatttctgc tgctgcgcca 240

caggcggtat tctgagtacc agtccataaa ctgaaaccca ctctccagag ggaagggcag 300

tgtctcagac tgtcggaggg tgggggggccc nagggtcatg atctgctttt ctgcagaacc 360

tcagaagcca gcctcaacct actggggtgc tcccagtaag ttntccttcc aaacccacgg 420

agaggccacg ctcacgggtt cccaaactcc cgtttcctgt ggatgaaact tgaaggccta 480

catgagtgac tgttggctgc cctaa 505

<210> 1273
<211> 469
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<400> 1273
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atgcagatgt ccatgctgtg ggtgtcagca cacttgctgc tggtcataaa accctcgttc 120

ctgagcttat caaagaactc accgccctgg ggcggccaga tatccttgtc atgtgtgggg 180

gcgtgattcc accacaggat tatgaatttc tgtatgaagt tggtgtttcc aacgtctttg 240

gtcctggaac ccggattcca agagctgctg tccaagtgct tgatgatatt gagaagtgtt 300

tggcagagaa gcagcagtct gtgtaacatc tggatcttta gttatganct gaagcagcag 360

tctgtgtaac atctggatct ttagttatga ccgaagaagg tagtggtaaa tccgtttcng 420

tcaggtaatc ccagcagctc ttagaatgct tgctttggaa acctcacat 469

<210> 1274

<211> 555
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<400> 1274
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cacctgcctc tgccttccta gtacagggat taaaggtatg tgcctccatg tcctgcaaat 120

tattaaactt aaaaattaaa taaaatttta aaatttaacc gattcttcct tcaatttagt 180

gttgatttgt gtactagaaa ctcaagttcc tgtgttaatt taataaaata atgacattta 240

tcttacaaga aatagtggag ggtatttatg gatggatcct cagccagacc tactattgct 300

tcaataaaag tagtgtttat caccccctgt acaatggaat aggggacatg gtagataggc 360

cttccaggat tgtgtcagct cctcacatgg gaatgatatt gttaatntca ggttcnaaac 420

tctggaaaag atgtgtgtga cgctntctta aatgaatgtt gatggacaga tgcatttgct 480

ataatgacag tctaaatcta ttacataaag taaatgaatt ttcagatcta gaaacacgct 540

gatctgtata cactt 555

<210> 1275
<211> 544
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (509)..(509)
<223> n is a, c, g, or t

<400> 1275
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ccctgcagtt ttcttaatac atttgtcaca tgaattcttt gtacaaggac ttccttcagt 120

aaaactattg acatatttct actggtgcct aatccacatc tgtatcaaca tagctattgt 180

ttatattaat gataaattct gctgacttat tttataatag tttctaattt ctagctgttt 240

aggtgggcca tttgatcatt atttgtgtca gaataatgtg aagtgaagtg attgctaagc 300

tctgaccaga aaaaagtgtc caagaaaant taatttcctt tgttttacta tatgctcaaa 360

ataagtactg aaaatattta ggctctgaac ccagaggtca gaggattgtt atttaactcc 420

attttatttg cttaaagaaa tcaaaacaca aggtagattt aagtaataaa gataaaagta 480

ctaaaatatt gtaaaacatt ctgtattgnt cttactttag aaatttgcct atttccaggc 540

ttaa 544

<210> 1276
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)

<223> n is a, c, g, or t

<400> 1276
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gctgaatact tttcgttcct ntgccgagga aagaatccan gtcaggtact caattagtca 120

atctccctgc ttctaatctg cagtgaattc tgtatgatgc ctgccctatt tcataagcac 180

agagcttcag tcgtgcctac cccagagctc tggaaacagg cttaggagtg cttcctgtat 240

tgtctgtaaa tccttcacct aggaacactg atgcaaggat ggactctacc tggtacctgt 300

caaagtgctc aggtgcctga ggtcttttac canctgctct ttcacatgag cnccagtaca 360

agaaatgctn ccatcacagc taccttggca cagaggggcc tcagctgtca gtagccatca 420

gttgaacaag ccaanccttg tccacgtgga ccattcaatc aaaaggagat gaatagcttc 480

ctgttttaga tggctg 496

<210> 1277
<211> 474
<212> DNA
<213> Mus musculus

<400> 1277
aaaaggccta atctcagaag catgagccac gggggctggc tcctcttaga aaggaaccgg 60

aagcctggtt attgagctga gtgagctggg tttgagttta gatccccaac acgaggacct 120

cagagacaac atttgacagg acacaccact cctgagcatc agggattggg gacaggagtg 180

agctcacagg tacagcacgg gcctccgttc tacagggccc ctccttgctc ttctggaaag 240

ggagctgggc tatgtggggt gtcttactga ctgccttgta accttcctgc ttcccacgtg 300

tctcatatct gcctctcccc ccacaccctt tctctgggaa ctgtgacgtc acaacccgaa 360

gataatgttt tcccagcttg gggtagggtg aagtgggacc tgaaaaaaaa ttttaatata 420

aggagatatt tatacacagt gttagggatg taatcttatc tcagctaggc agtg 474

<210> 1278
<211> 157
<212> DNA
<213> Mus musculus

<400> 1278
acagatcacc ccttcttact atacaacttc agatgccgtc atttctacag agactgtatt 60

catcgtggag atttcactga cctgcaagaa cagggtccag aacatggctc tttatgccga 120

cgttagtgga aaacaatttc ctgtaacccg cggccag 157

<210> 1279
<211> 190
<212> DNA
<213> Mus musculus

<400> 1279
gttgccatga tggtactgat tgcccatctt gagtgagggg tgaggtgacc tgtccttccc 60

ctaactccta ataaaggcag ttggtagtcc tggccagtgc taatgccaga aggagtgtca 120

gccttggaga ttagcagagc ctctgtttga ggccttagag gtatgaggat catacggagc 180

atgagaggcc 190

<210> 1280
<211> 419
<212> DNA
<213> Mus musculus

<400> 1280
aactcgtccg actcttctat gatgtctgag ctccctgaca gctgcccttt acctcacagt 60

ctccattgga cctcagccag gaccagcctc tgtctggtcc gagatgaccc tctggtccag 120

gcctcgctga cacttttgtt ctcagcttct gccatctgtg actactgata tcctggatgg 180

acaccttgct ggacttgaag tccgctagtt ggactttgcc tagggctttc atcttgcctt 240

gccctccctt tctgtcccat ctgcagcctc accaggtggg cttgtagcct ctattatgca 300

aatattcgta gctcagcttt cagagcgcta actctaaagg aattcacctg agccttgaga 360

gagaacctgg gctagggcta gagttagggc tacatactcc aaggtgacct cacatttga 419

<210> 1281
<211> 435
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<400> 1281
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gacagccaca gaaccgcact ccccttcact ttaaggtgcc tgctgttcct ctactcccac 120

tggtgagcat ctttgtgaat gtttacctga tgatgcaaat gacagctggc acttgggccc 180

gatttgggat ctggatgctg attggatttg ctatctactt tggctatggg atccaacaca 240

gtatgaaaga agttaagaat catcaaactc tacccnaaac aaggncccna actatagacc 300

ttgatctcac aacttcctgt gttcacagca tttgacctaa ccatacctaa ttgttntctt 360

gttctcctat acaataatgg agagtactct tgaccccacg aagagctggn cctctcatgt 420

ggtgttagtg acgga 435

<210> 1282
<211> 340
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(167)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<400> 1282
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agaaagtcag ggtcggtgtc cagccctaga gaaagggacc tgtgaatact ttcactcgat 120

ttcccaggcc ccacccaagg aagggncctt ccccagacat gagctnncct cantnctttg 180

tggaaagcag ntcctntaca tttgacctga aggggactnt nggctaatnc aggagaagcc 240

agggatgcag agtaagagag cttcttgctt aggctatttn ttagatgaag aaggtatccc 300

taanccacga tggntccttc atggcaggaa ccagagaggt 340

<210> 1283
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<400> 1283
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tgagcaggtc aacatggacg accggtttgg gcagatcatg attgaaaacc tccggaggcg 120

aagttgtgac ctggcaggag tggaaacctg caaatcactg gagtcccaga aggaacggct 180

gctgttgaat gggtgggaga cagcgtctgc agtgaacatg atggagctgt acagtgggct 240

acctcgggca gaggtaaaca gaatagaatc cctcgagttc ctggatgaga tggagctcct 300

ggagcagctc atgcgccatt actgcctgtg ctgggccacc cgcggcggcc aggagcttgg 360

tttgaaggag ataacctatt gatntgctga aggntngtgc tggggtggaa ggtgaaggnn 420

tntagctaag ggagtgccag ggccntcctg agagatgtgc agcctcactt tgttggtcct 480

gctgcacatc cggaacccgt ggttacaaag gtggtcacac cagatcctgt t 531

<210> 1284
<211> 97
<212> DNA
<213> Mus musculus

<400> 1284

tctgtaccag gcaacagctc cagttctcac accggccaaa atcactggca agggcaagaa 60

gagaaactaa ctgtgaatga gtaataaagt tgtgtct 97

<210> 1285
<211> 489
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(414)
<223> n is a, c, g, or t

<400> 1285
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gcgtacagac aancgcgccg gctttggctc ccctctttct ccagggacac ggattggacc 120

acggacgggg cgtgatggta gtcggtaccg ggacctcctt ggcgctgtcc tccctcctgt 180

ccctgctgct cttcgctggc atgcagatct acagccgcca gctggcctcc accgagtggc 240

tcaccattca ggggggcctg ctgggctccg gccttttcgt cttctccctg actgccttca 300

ataatctgga gaatctggtc tttggtaaag gcttccaagc aaaaatcttc cctgagattc 360

tcctctgctt gctgttggcg ctctttgcct ccggcctcat ccaccgagtt tnnngtgtca 420

ccacttgctt catcttctcc atggttggtc tgtactacat caacaagata tcgtccactc 480

tgtaccagg 489

<210> 1286
<211> 461
<212> DNA
<213> Mus musculus

<400> 1286
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catcagcatg ccgggtccaa cgcccagtgg caccaacgtg ggctcctctg gccgctctcc 120

cagcaaagcg gtggccgcac gggctgcggg atccactgtt cggcagagaa aaaatgccag 180

ctgtgggacc cggagcgcag gccgcaccac ctctgcaggg actgggggga tgtggcgatt 240

ctacacggaa gattccccag ggctcaaagt gggccctgtc ccagtgctgg tgatgagtct 300

tctgttcatc gctgctgtat ttatgctgca catttggggc aagtacacgc gatcatagat 360

tgggctacat ccatctgtca tctgaagaag aagaagaagg aaaaaaaccc aacatatctt 420

ggaccaaaag tgtagtgatt ttctgttcac gtgtattatt t 461

<210> 1287
<211> 116
<212> DNA
<213> Mus musculus

<400> 1287
aggaagagct aaggatgccc gagacaaaaa ccatcttcaa ggacctgccg ctgccccgat 60

tggctctcaa ctgtgttggt gggaagagtt ctacagagct gctccggcac ctagcg 116

<210> 1288
<211> 311
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)

<223> n is a, c, g, or t

<400> 1288
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gagtctgctc atttttaagg acctcaaact tcggggcttt tggttgtccc agtggaagaa 120

gaaccacagt ccagatgagt tcaaggagct gattctcact ntntgcaacc tcatccgcca 180

aggccggctc acagccccat cctgttntga ggttccactg cagggctacc agcaggcttt 240

ggaagcctcc atgaancctt ttgtntnttc gaagcagatt ctcaccatgt gattgctcca 300

gaggaccagg a 311

<210> 1289
<211> 520
<212> DNA
<213> Mus musculus

<400> 1289
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aggacgagta ttgagtccac actcaacatt aacagtgggc ttaataggag aagagacctg 120

aagtaatgtt tccttattgg gcattccttt gtcatggctt cttctgtgac atggaagctg 180

ggctaacctg atttgaactt ggctatcccc tgtttttca gggctataat cccagcagtt 240

gggaagggga gataggagaa ttagaagtaa taggcttgat gtacatgcct gtaattctag 300

cactggggag gttgaggcct gaagagctgg agttcaagga atgtctgtgc tattcaggga 360

gaccttattt cctttcttcc ccagatgcag ttggttgatg ttttatgaga cagttctgtt 420

ctaggctgac aggttgttta ctgtctagca atgagttagc cccgggaggt agggaagggc 480

tgtccccatg tcataactga agcccaagat acctgaacat 520

<210> 1290
<211> 435
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<400> 1290
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ctggatgttg ctagtgatgg tcacaagcca tgcaccttat cantganacc ctcacttggt 120

ctttagatct gtgtgcctgg tttgcagatc cattggtttc tcagtccagg acccaagaac 180

gagctccacc aaagagcagg aacccctgga gtttgaaggc ccccgagagc tgggcctttt 240

tactgttggg cagtctctta aacctcatga tactgagttg gtacttttt tggtccctat 300

ttcacaaggg ttaggnatag attaaccaag aaaggacaag tgacagactg aaaggggctg 360

gaaaaacaaa gaggaaaagg cctgtcactt ctgtatagtt gatggttcct gtcacaagcc 420

caggtcacaa acaga 435

<210> 1291
<211> 391
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<400> 1291
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gaagagactg tggtatattt taaacctgtt gggccaatga gaaaagaacc atgctgcgga 120

gcgagatgga cacttgtctg aacctcatca ctaactccag cggctagaat gtgttttcat 180

gcccggccnt ttgttccccc cgtccatgtg tcctttagtt tcaaacagat ctttatagtt 240

tgtgcttcat aagccaattc ttattatgat tttgggggac tgttcttcaa agagcttgcc 300

agtgaagatc tagagacaga gcgaaggctt cttcaagttc tganccttgg ctgtggacaa 360

aacaatctta agttgggcag ctttcctcaa c 391

<210> 1292
<211> 421

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<400> 1292
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aagagaccta cacagtggcc cacgaggaga acgtccgatt tgtgtccgaa gcctggcagc 120

aggtagagcg acaactggat ggcggccctg ccgatgagag tggcccacgg cctgtgcagt 180

atgtggagag cactcctgat ccccggctac agaactttgt acctattgac ctcgatgagt 240

ggtgggcaca gcagtttctg gctaaaatca ccaactgttc ctagcagctg tccgggaagg 300

aatgttgcca tagtggaccc tttngccaga agaggaccat ggtgcnccga tccaccttgt 360

ggcctggctg ggtaccggcc acacctgaag tgccaacatt tggacttttg cacctgttgt 420

t 421

<210> 1293
<211> 484
<212> DNA
<213> Mus musculus

<400> 1293
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tcctgcgcca gacgcttttc cggtaccaag gccacgtggg ggcatcactg gtcgtgggcg 120

gggttgattt gaacggacct cagctctacg aggtgcaccc acatggttcc tacagccgtc 180

tgccctttac tgcccttggc tctggtcagg gtgcagccgt ggcactgttg gaagaccggt 240

tccagccaaa catgacgctg gaggctggcg caagagctgt tggtggaagc catcacagca 300

gggatcctga gtgacctggg ctctgggggc aatgtggatg cctgtgtgat cactgcaggg 360

ggtgccaagc tgcagagagc attgagcacc cccaccgagc ctgtgcagag agctggccgt 420

taccgatttg ctcctggaac cacacctgtc ctgacccggg aagtgagacc cctgaccctg 480

gaac 484

<210> 1294
<211> 509
<212> DNA
<213> Mus musculus

<400> 1294
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accccaacat gggcaactca cctgtgccca cacactggta cccttatacc ttggagaatg 120

gcaactacct ggacatcact aagacgataa ccagcgcttc catgaaggag cacctgagag 180

aaaagttcct gaagttctgg gctgtgacat tcgaggtgct gcccacagtg actggtgacc 240

aggacaccct cactcccct gaggatgact cagaggttgc ccctgaccca ccttcagacg 300

actcccaggt tgttcctgtc ccacctacag atgactctgt ggaggctcag atgcctgcca 360

ccattggctt ctaaagtctt ataagctggg gctggagaga tgggtcagga attaagatca 420

ctcactgttc ttctaaaggt cctgtgttca attcccagca cctacatggc tgctcacaac 480

tgtctgactc catctactgg tgtgcagat 509

<210> 1295
<211> 207
<212> DNA
<213> Mus musculus

<400> 1295
cctgtccgga ccctccaagt ggagaccctg gtgcagcccc ctgaatcgtg cacggaatct 60

gctgccattg gagacacgct ccacatacac tacacgggca gtttggtaga tggacgcatt 120

attgacactt ctctgaccag agatcctctg gtcatagaac tcggccaaaa gcaggtgatt 180

ccaggtctgg agcagagcct tttggac 207

<210> 1296
<211> 424
<212> DNA
<213> Mus musculus

<400> 1296
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tagcaggcta aaaacagcca tagctgtctt catagggata tgtccatgaa cgtatactta 120

ggttaaacat tattctggta gacagcgcag gtggttgtta gcaaggacca tactgtttga 180

ttacttgtta atgttaaaca aaaatggttt tgaaaactgt tttctgttca acagatctta 240

gtcagtgctt ggaagccgca aagcactctc aaagtatttc tgagggaatt gatatgggtg 300

gcaaaagaga acttacagct atgcattgct tgtagcagtt ccctttctca gaaacattat 360

ttttgttgct ctaaataaag cattgcctgt cttgtttgag attttacagc catactctgc 420

tatg 424

<210> 1297
<211> 454
<212> DNA
<213> Mus musculus

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<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<400> 1297
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taaagttatt ttcacattac aacactgggg aaatgaagag agggtgtctt ttgctttggg 120

ttatggtcag aaactggttt ctctggcaca cgtgggcagt cagccacact tcagacctga 180

cagcggggga ggggggggng ncggtctgtt tagttaggct tggtacatct gttatcacag 240

atgctcagtg gaccaagact gtctcgctac tctctcccca ctctctgaaa ttttaatttn 300

tgtttagagg tgcatggttc aaatatncag cattctaaaa aaaaaaannt tgatttaaga 360

aaatgctgta tgatgttaga agacattgta attatcatcc cgntgtcttt gctgtactcg 420

tgctgaagtg ttttcacagt cctttgtcta gaag 454

<210> 1298
<211> 528

<212> DNA
<213> Mus musculus

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<221> misc_feature
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

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<222> (257)..(257)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<400> 1298
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agtgtgtttt tagagggctc caatagcacc acatatgtgc aggacgccct ccagctgctg 120

ctcccggtac tgcaggtctc ccacatccgc accagctgtt tgaaagctac agcccagcca 180

gattncagct agttcaatag caggccacat ntcttcacta cataccattt aaaggcaacg 240

gacttntatg tcactgncca gaccatttga ggacactaca agcaattttt gcacagtttt 300

gaaaatacag agagttaaaa tttctcttaa tgtatactgt tttatcaata attatgtttt 360

ctttacatta acttaaactt gtacttgttc tnattgaagt tttcctttaa tttgcagttc 420

attcacaaat atatctgttt tcctgntcaa ccagactata tttagaaatt natagagaga 480

acctagattt ttgttcagct ttgaaatgtc tacctttcta tgccctat 528

<210> 1299
<211> 557
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
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<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<400> 1299
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acgacccngc ncttcccgcn gataaagcca cacccacaac cttaggaaga gggacttgaa 120

cttcaaggac catnctgcta gatgccctac tccctgtggg tgaaaagtgg gcaaaggtct 180

ctaaggggga aggctcgagc tggtagccac ttccttggtg ctaccnactt ggtgtacata 240

gcttttctca gccgccgagg actgcctgag ccagccactt gtgagtggca gggagatgta 300

ccatcagctc ctggccagct gagggtgcca aagacaggat tgtagaggaa aggcacaatg 360

tatctggtgc ccacttggga tgcacagggc ccaagccaag cttctcaggg cctcctcagt 420

gggtttctgg gccttttca cttttgataa gcaatctttg tatcaattat atcacactaa 480

tggatgaact gtgtaaggta aggacaagca tagaaaggcg gggtctccag ctggagccct 540

cgactcttgt aaataca 557

<210> 1300
<211> 543

<212> DNA
<213> Mus musculus

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<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

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<222> (381)..(381)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

<220>
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<222> (503)..(503)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (512)..(512)
<223> n is a, c, g, or t

<400> 1300
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caggagacct agatgcactg aaaaaccagg tgtttgtcct gaaggagggc attgaataca 120

aggtgaagat caccttcaag gtcaacaagg agattgtcag tggcctcaaa tgtctgcatc 180

acacctatcg tcggggactg cgtgtggaca aggccatctt catggtggga agctacggcc 240

ccagagccca ggagtatgaa tttgtgactt cagtggagga agcaccaaga ggagcattgg 300

cacgtggcct ctacgtggtc aggtccctct tcactgatga cgacaggctg aaccacctnt 360

cctgggagnt ggcacctcca ntgtctgcca ggactggaag gactgaaccc cacttggggt 420

ctgtattccc aatttcttgt cagttgcaga gacctgcaag cattccctag acctcccagt 480

tggtgaccag atntccccca ctntctgctg tntcccccct gcctggtgcc tattaaatgt 540

tac 543

<210> 1301

<211> 391
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<400> 1301
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ttcaccgccg ctatcctgtg gctcagggaa ggagagtcga tgctgttccc actgcacagc 120

ccaaagntcn nnctctgaga ctagaaccct tccagagctg gagaaagaag cggagcactc 180

ctagggagca tccagaaggc catatgacca agaggatggg cctgagctgg gagaaggagt 240

ggtgctgagg accccgactc tcctgtggga acccagtgcc tttcgtgcct ctgctctgct 300

tcttctcctc ccccantacc tntgggaacc acaantntac aaggggaaag actnctnggg 360

tcagaccaag gccatatcca tgcgaactcc t 391

<210> 1302
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<400> 1302
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gcaccagaaa gcaccaaagc ccctggcacc ccatcttact ccactctccc cagggactcc 120

caggtgggaa ctgctgtggc agtgagctca gcccggacag acactgccaa ccctgtctcc 180

tggcattggg ctccggctct acctccccaa gcagggcgag gccccgcctt ctcagcctag 240

caccacctgt ccccgagtct tctccagctt gcccatcatt ctcggcgccc acacaggtga 300

cagtcccaag tagataacct ccatgggaca agttgggtgt tgccttaccc gcctgcccag 360

cccctcctcc cacaggaaca caggtaccac ctgcacccac gacagcttct tttctcacac 420

atggggagac tggagccgan ccccttgtnt cttttgaaat aggaagaaaa atgagtgttc 480

aggaacatga ctcctggact gggct 505

<210> 1303
<211> 334
<212> DNA
<213> Mus musculus

<400> 1303
gggtcttgga tagcctgcaa ctgctgtcat caggcttttt cccaggcttg gatttagaac 60

ctgaaaagag ccagggacct gaagaaagtg atgaattcca gagctgattt gttcactctg 120

acaaatccct cagactcaga ggtcaaagtt ctcatgcttg gaagttctca tagtgtgcaa 180

actcctcagt agcccaaagg catcaggtgt gggggctcac tctggcaaag gagagagggc 240

agtggaccct gctgttctca gaatgtgaac acagacaggg ccagccaaag aacttgatag 300

aagctgataa ggcaggcaat gtgaggccag catt 334

<210> 1304
<211> 274
<212> DNA
<213> Mus musculus

<400> 1304
gagtccggaa ggacaccacc tttcttcctg gttcatcaca gaggccaact tcccagagta 60

caagcagcct gagctctcct gggagtctcc attaaaagcc tcgagttcca ctcagagatt 120

aactcaaagc agctgatctg ctagactctt tttctattcc ctactctgac ttgcagttta 180

cagagattga caaggctccc attgtcttcc aaggctcctc tggcacagga gatgtctgta 240

aagaagacag caacatttga gctcctgaag actt 274

<210> 1305
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<400> 1305
gcaggtgcct gtttactcag caaatagggc aggaagtggc tgctgggtac tgccacaggc 60

caccagcctc atcaattatt aaccatgtgt gagctagaat agtcagggaa actggaaaaa 120

aatggctgcc agctccactc cctttgtcct ctgctgaaga anggaaaaga cccggtgtgc 180

ttccacccag aggtcacatg gacttggcaa acctgcggag ctgggctgtt ctaagctacc 240

caccctggga atgaatgaca gaactggttg agtgtgcttt caaggagacc ctggtcccac 300

ttcttggcac agacagaaac cagctcaagc ttgaagctct ggttttgact aagccagctt 360

aaaagacctg cctgctgcca gaactcaaga agtagatcta cctcaagaca ttataccagt 420

acttcttgcc aggagcttcc cttggaaatc aagcagagag ttcattcttt ccctccaga 479

<210> 1306
<211> 589
<212> DNA
<213> Mus musculus

<400> 1306
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aaagcagatc cgcatcccgc gttctctgtc tgtaaaagca gcaagtgtac tgaagagttt 120

tctcaacaag gacccaaagg aacgattggg ttgtcaccct caaactggat ttgctgacat 180

tcaaggacat ccattcttca gaaatgtgga ctgggacatg atggagcaaa agcaggtggt 240

tccacccttt aaaccaaaca tttctggaga atttggtttg gataatttcg attctcagtt 300

tactaatgaa ccagtccagc tcactccaga tgatgatgac attgtgagga agattgatca 360

gtctgaattt gaaggttttg agtatatcaa ccccctcttg atgtctgcag aagagtgtgt 420

ctgattctgc ttgccgccat tcagtgcatg gatatccacc cgtcagcctg ctcacagtta 480

gcattttatg ttgcccctgc agaagtcgct ctcggtatcc tgttggagac taggaatcat 540

acagataaat agaactaaga aacagaagct agcttcctga caatcatgt 589

<210> 1307
<211> 567
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

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<222> (402)..(402)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (542)..(542)
<223> n is a, c, g, or t

<400> 1307
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tgtgtatctc aagtgtaaga ttttgatatg tgataacaat gaccaaacat ctcgctgcaa 120

tcaaggctgt gtcccaagaa ggaaacggga tattccttcc tacaaatgga agactgactc 180

tgttatagga cccattcgcc tgaagaggga ccgaagtgca agtagagatt caggacttct 240

gcctcaaata catgaagcag aaatttcaaa ccagcccctc agtcgcctgt acctgttttc 300

cttcatggtt nttgngnnnn aannnngntg attgtggcga taaccacagt gaagcatttc 360

ctaaatcggt ggatggatca cagataccag aagctgcagg tntactagnc tgtggacccc 420

aagaaaggcn tnttntnttn tnctgggtgc ctgatgaagc agntccctgt gcctacaagg 480

gttcagaata aaccaggaag gcctaaaaag caacatgtgt accatcatgt tcaaatcaca 540

tngacagtgt gtttcattac ggaatag 567

<210> 1308
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (63)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<400> 1308
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agnnnnnnnn nnnnnnnnnn nggcccnacc cttcatggag agcctgcctg agaacaagcc 120

cctggtgtgg agtctggcag tgtcactgct ggccatcatt ggcttgctcc ttggttcctc 180

acctgacttc aacagccagt ttggccttgt ggacatccct gtagagttca agctggtcat 240

cggccaggtc ctggccctgg acttctgcct ggcactcctg gctgaccgtg tcctacagtt 300

ctttttgggg actccgaagc tgagagtgcc ttcctgagaa gatggtgctg gtatccactg 360

cctaccctgg ctgccactga acaggaaaac ngccgctgcc ccaggaggga gcactgctcc 420

catctccaca gtgaggcagc cctgccttgc tcttggaaga ctgagttggg acccttgtgg 480

gcatccgctg gccgggctag tagaagagtc ctggctagca cctttggtaa a 531

<210> 1309
<211> 572
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (469)..(469)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (518)..(518)
<223> n is a, c, g, or t

<400> 1309
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tgcctgcgat gctgggacct gcggatggcc aaggtgtcac tggagcatct gttccagtcc 120

cagatcatga gcctggctca cagtccgacc gaagactggc tgctgctggg cctggccaat 180

ggccagcact gcctgttcaa cagcaggaag agggaccagg tgctcactgt ggacaccaag 240

gacaacacca tcttaggcct caagttctcc ccaaatggca agtggtgggc gagcgtcggt 300

atgggcaact tcatcacggt ccacagcatg cccaccggag caaaactgtt ccaggtcccc 360

gaggttggcc ctgtcagatg cttcgacatg actgagaacg gcaggctcat catcacagga 420

tccagggact gtgcctcggt gtaccacatc aagtactgac aacttcaant ccctcccct 480

aactgcacag tggtggatgg caatgggtgt gatgggtntg cagtgcttct agaggcttcc 540

atggggtgtg cagatcccga gttgcgtgta at 572

<210> 1310
<211> 589
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (506)..(506)
<223> n is a, c, g, or t

<400> 1310
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cagcccagag gaggaagagc gccgcagggt gagacgcgag cggaacaagc tagcagctgc 120

taagtgcaga aaccgaagaa aggagctgac agacttcctg caggcggaga ccgacaaatt 180

ggaggatgag aaatcggggc tgcagcgaga gattgaagag ctgcagaagc agaaggaacg 240

ccttgagctg gtgctggaag cccatcgccn catctgcaaa atcccagaag gagacaagaa 300

ggacccaggt ggttctggca gcaccagcgg ngctagcagc ccaccagccc ccggccgccc 360

agtgccttgc atctcccttt ctccaggacc cgtacttgaa ccggaagcac tgcatacccc 420

cacgctcatg accacaccct ctctgactcc ttttactccg agtctggttt tcacctatcc 480

tagcacacca gaaccttgct cctccnctca ccgaaagagt agcagcagca gtggcgaccc 540

ctcctccgac cccctgggct ctcctacact cctggctttg tgaggcacc 589

<210> 1311
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<400> 1311
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agtggccaca agaggtctnt gtgccattgc ccaggcagag tctctacgct acaaactcct 120

tggagggctt gcggttcgaa gggcctgcta tggtgtgctt cggttcatta tggagagtgg 180

ggccaagggc tgcgaggttg tggtgtctgg gaagctccga ggacagaggg ccaagtccat 240

gaagtttgtg gatggtctga tgattcacag tggagaccct gttaactact atgtcgacac 300

agcngtgcgc catgtgctcc tcagacaggg tgtgctgggc atcaaagtga agatcatgct 360

gccctgggac ccaagtggta agattggtcc caagaagcct ctgcctgatc atgtgagcat 420

cgtggaacct aaagatgaaa tcctgcccac gacccccatc tccgaacaga agggtgggaa 480

gccagagcca ccagccatg 499

<210> 1312

<211> 214
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<400> 1312
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cacggaggat gagngtggag cgagtgatca ccatcatgca gaacccacga cagtacaaga 120

tcccagactg gttcctgaac agacagaagg atgtgaagga tgggaagtac agccaggttn 180

ctggccaacg gtctagacaa caagctgcgt gagg 214

<210> 1313
<211> 397
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (292)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<400> 1313
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atgccccact gtaggggccg tgccagagct cgcacagata gtccaggctt ggccttcgct 120

cccacctaca tttaggcatt tgtccggtgt cttcccacac ccgcatggga ccttggaggt 180

gagggcctct gtggcgactc tgtggaggcc ccaggaccct ctggtccccg ccaagacttt 240

tgccttcagc tctactcccc acatgggggg gcggggctcc tggctacctg tnnnctcgct 300

cgctcccatg gagtcaccta agccagcaca aggccccntc tcctcgaaag gctcaggccc 360

catccctctt gtgtattatt tattgctctc ctcagga 397

<210> 1314
<211> 532
<212> DNA
<213> Mus musculus

<400> 1314
gagactatct agtttctgta ggttattttt cccaataatg tttccagatc gaatttcctc 60

atagagaaaa aaaaaaaggt gtgccttgtg tctgtgcttc tccgctctct gaaaggatgg 120

atggatctga agttctcagc cctcacccca cactgctgga atcttctgta gagctgcctg 180

ccaagccacc tgaaacacag tggctccctg tgacactcag gcctcagatg agcctcgctt 240

gccttcactg cttctgtttt aaacagtagt aaaaaactgg cgttcaaggc agagtccaca 300

ggtgcttaaa ggacactttc agaagaagct gaaggccttg aggtctgccc acccagctga 360

tctcggagtc ctggccccag tccatgtgta gctctaagaa catgaagtag ctggttgcaa 420

gatggaccaa ctcaccaagt gtcagcccag gtagtgagaa acttgcagta gacatggagc 480

tgggctcttt taaatttgtt ttgtgaagtt tcagcctctt aatgcttttg ta 532

<210> 1315
<211> 335
<212> DNA
<213> Mus musculus

<400> 1315
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acatttaagg gaccagccgt aggacgcaat gatgcttcta tgtcccccaa ggcccttggg 120

aggagagctg cacagcattc aggcctcata ccaggcagac actgggtgtg ggtcggccac 180

ccagtcctgc tcctcactca gggtgccagc tctgccttga attttgtgaa caccagcaca 240

tacctccttg tgcctctgtc tataccgagc tgctactgca ggggaatgac tctcactcac 300

accctccctg catggagctc cagcgagtgg actca 335

<210> 1316
<211> 559
<212> DNA
<213> Mus musculus

<400> 1316
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tcacactacc cctccattcc actttcctat ccagtccatc tctaggcttc ccctctgcct 120

aacccactgt gggctatttg gcagagtcag tttctgtacc ccttcagtgc aactgagaaa 180

gcaaggccct cagggaactg gaggaggagc cagcctgatc cctggcctct ggagtcttaa 240

agcaagtgtg tttttgcagg tagtcctagt tgggtgtagg gggaggctgc caggcctggc 300

atgaacataa agcaggaagc cactctgggt gatggcagat gagaacctag tcagggaggg 360

agggttttaa ggaggggact tggaacacaa gtgagaagcc agtcaagaaa agggagccag 420

gacctcagaa tttatactgg cctaggggac aggaaggggt gattgtagtt ggtaactagg 480

ggtcatttta gctctgtgag agaatcagtg ttttgtgagg gtgtggggga agggttgcat 540

ctagtggagg ctgatcctc 559

<210> 1317
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<400> 1317
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gcccagattt tacacagtgc tggggaccca aactcaggtc ttcctggaca gcaggtactt 120

taccaacttt ccccctttgt ctctacatca agtgtgtctg tggctgttgt tccgttggtg 180

tctgtccacc tgccctttct tcccactcta cgcgctgaca ctccacacac tgtcctcacc 240

cntgtctcta aggnccngcc cgtatgtgta ccngctgaan gtntcctgag gaatttaagc 300

attttaaggt gtgtgttagc agaggtctga ggctcncact cgatgggaac acagaccatc 360

agtttcactt taagcaccga cactccaaac gcgcgtgtgc ag 402

<210> 1318
<211> 566
<212> DNA
<213> Mus musculus

<400> 1318
gggcttcggc acatcccaaa gtggggcagg cagtagtgac acaagtcaca ccagcaaata 60

ctttggaagc attgactctt cagagaataa tcacaaagca aaaatgatcc cagacacgga 120

ggaaagcgag cagttcatta agtacgtctt gcaggacccc atctggctgc tgatggccaa 180

cacagacgac agcatcatga tgacatacca gctgccctcc cgggatctcc aggcggtgtt 240

gaaggaggac caggagaagc tgaagctgct gcagaggtcc cagccccggt tcacagaggg 300

ccagaggcga gagctccgag aggttcatcc gtgggtccac actgggggcc tgcctacggc 360

catcgatgtg acaggctgtg tttactgcga gagtgaggag aaaggcaaca tttgcctgcc 420

atatgaggaa gacagtcctt ccccgggact ctgtgatacc tcagaagcca aagaggagga 480

aggtgaacag ctgacaggcc ccaggataga ggcccagacg taaccctgtc ccccagccag 540

aggtcgacat tagacggtgc tcggaa 566

<210> 1319
<211> 502
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<400> 1319
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aacaggttcc aaccacatga tgttgaacat caacctttgg tccacgttct tgcttggtgc 120

tgggatcctg tttactgggg agctctggga gttcttgagc ttcgccgaga ggtacccgac 180

catcatctat aacatcctgc tctttggcct gaccagtgcc ttgggtcaga gctttatctt 240

catgacagtc gtgtacttcg gtcccctgac ctgctccatc atcaccacaa cccggaagtt 300

cttcaccatc ttggcttctg tgatcctctt tgccaacccc atcagctcca tgcagtgggt 360

gggcaccgtg ctggttttcc tgggtctcgg tcttgatgcc aagtttggga aaggaacaaa 420

gaagacctcc cactaggaag aaagaggctt cctntactcc agaaacactt aaattattat 480

ctcgaacagt ggcatcttgg ga 502

<210> 1320
<211> 501
<212> DNA
<213> Mus musculus

<400> 1320
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tttccactat ttagtttttg attctgatga ctttttttctc ttctacctgg ccctgatttt 120

ttataaactg tgttttgagt gttctctgga tcagggccag gggaggtcga ccccccttctc 180

caaaatccca ccccagcccc atggttgcca aacactacgt ctgccaatat ctgcctgccc 240

accttggctg tgacaacgat gctccttaca tgttcctgga ttggtggtaa gaaggaggaa 300

agttaaggag ggtctcctaa tttttcatga tttttttttct tccccagaat ttgttagctt 360

tttgtgtgtg gggtggggga ggggagggtt gtcctgtttt tgataaatta ggggaagcta 420

tgggcttagg caagggaaag aggctggctg acccaggtgg tgacccagac tacactctaa 480

caccatgttt ttgtacagaa t 501

<210> 1321
<211> 506
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (97)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(365)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<400> 1321
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gacttgaagg tcagtctgta aagtgtgagt cttgtcnnnn cactgttgag ccaactctga 120

gctggctggg tgactgttgg ttattctggc acaggtgctg ggtaggccag ggttcagcnt 180

cgcagacaag aagcgcagaa caggctgcat tggggccaaa cacagaatca gcaaggagga 240

ggccatgcgc tggttccagc agaaggtaaa gcnnattgtc ccacgtgagc tggtgctctg 300

tggtgctggg gactggtgtt gggatgnnag ntnngcaggt anantgctgt ttggtgnnta 360

gctnntataa agntggaata tntgggcatt ttggtaaatg cctcctaggg ttggtntttg 420

aaaaggtctt gagtgtaggt atctggagtc agaattctca gacgttagtc tttgttgcag 480

ttcttgctct gaccttgttc tgaaaa 506

<210> 1322
<211> 452
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<400> 1322
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cagtattcgt aaagagcacc gtgtcagagg ggtctgcgga gnagncgtcc cgtgaggccc 120

caggctctgg tggctgagtg tacctctgcc tcccatgctg ccctcccttg gtgatgcagt 180

atccaagcat gccagcggnt ccacagtcat ttgctctgca ccagtctgcc tcccacagtc 240

cacatagcct cctgctggaa actcccagct gcaaaccatc cttatgtggc tcagntcttc 300

cttcctcggc ccttctggct tcacccattt gctccagacc cntnttcagc cctttcatcc 360

tgnttccctg actctcgtcc ccccaantcc aagatggctg cccaccacca ttgtggtctc 420

ggggaccaac cgtatttcca caccattaga ct 452

<210> 1323
<211> 462
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<400> 1323
aaggcagtgc tgcagcgcga acacatctct cacgtggaga atgcgatgca gaagctgaga 60

tctgagatga gcagcctacg ccgtacacag gagcaggtgg agggcaggct ccttagtgcc 120

cgcagggatg ggcaccgcct gctgcgccgg cagcggaccc tggagcagca gcacaggcta 180

ctccggcgcc acagccagaa actgcaggct ctgtatttaa agaaggcgcg agagctccaa 240

gagctggcta gagcctcagg aacccccctc cccgagcaca catggctcaa gatccttgtg 300

gccactatgg agagggagct ggaaggccaa ggtggggcta aggaaccagc ccctctggga 360

aaggctcgac cgaaccactc caagtccatg ggtacaactc agttacctgg tgacacccct 420

ccgcccntcc accaccagct ccactttggc ttcagagacg aa 462

<210> 1324
<211> 550
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<400> 1324
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tgccgtgacc gaaatgttcc tcatttatca tcctcttcca tgtttgggat tgctgctaaa 120

gtcagtatta tttcttttta aaaatatatt tgcttattta aaccatgttc ttccagcaat 180

catagaactt caaacttgca ctgcaagccc gtagatattc cccacngcgg atatccacgc 240

acttagnttt taatcctctc cccgacagtc tcaactgatt ttaagctgtt actatgatga 300

aaacgttaga gactggtgtc tttgcatctc tgtctgccgc tgctgcctcc acaaacccag 360

ggtagtcaga ctgctgtgtc tgagaggaag ccctgtgccc tgctatgagg aatgctgcgc 420

cctctgcccc agacatgaag gcacagccac tggaaaataa gctgtggagt cacgtaaaac 480

agatttgcat atatgacata caacattagt caaccacaat caccaaaatt ctctcataac 540

ttgtgcttgt 550

<210> 1325
<211> 578
<212> DNA
<213> Mus musculus

<400> 1325
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cctggttcga gatgcgaagc aaagactcag tgctgcccag gttctgcagc atccatgggt 120

acaagggcaa gctccagaaa ggggactccc cacgccgcaa gtccttcaga gaaacagcag 180

caccatggac ttgactctct tcgcagctga ggccattgcc ctgaaccgcc agctgtctca 240

gcatgaggag aatgaactgg ccgaggaaca ggaggcccta gctgagggcc tctgctccat 300

gaagctgtcc cctccatcca aatctcgcct ggctcgaagg cgagccctgg cccaggctgg 360

ccgaagccga gatgcaaacc catgtttgac accggcaggg ctctgaacca ctgcaggcac 420

tccttgtagg cctgtcccag cggtgccccc tgaaaacctg taaggtcaaa gtgtgaagta 480

ggcagaggga cctgccctgc agcccctgca ggcctttacc atccacaaag gctcccgggt 540

tcccacccat cccccatttc cctggagtct tcaaagga 578

<210> 1326
<211> 512
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<400> 1326
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atcccctgcc ccagccttgg gtccagtgtg tcttccaggc ctgcctgcac ctcacttggc 120

tgctccaggg tctntatcct ttgttccaac cctggttgtc aggcccagcc agcaaaggcc 180

cacgacccag cagcctgccc aaagcacttg tttatggagg gaaagaaggg gacttctctg 240

taggaagctt gagcccagag ccctggggaa ggggaccctg ttccacattc ccttgcccac 300

cctccaccag gtcggaggcc cagtcttccc agacgtgcta accccattca atgtgccaaa 360

tggcctcagt ccatgtgccc gtccccccctc tgcagtcaga gcaccttctc ccaagacccg 420

cagtccgttt gtccgtcctc tgtgccctct gcagtgacag ccctggccaa gccacttcta 480

atcctctgta gcaataacgg tgtgccgccc gc 512

<210> 1327
<211> 474
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<400> 1327

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gagaggccac gcccgaggaa agactgtggt taatgtagtt taaatacata tatgggcaag 120

ctggcggctt gctgctctct cctcgccaag tgcctcggac ccagacatct agccttcacc 180

acacattctc ccgagtcaga ttttaagttt cactatccat gtataaacct actcctggac 240

tggtgagagc tcacaggtaa aagttgccgt ggctgcctga gttcagttcc tggagcccac 300

tcgagggaga actgattcca gtacatngtt ctctctcccc ctcccccact atgcacacac 360

ctctacagag ataaagaaat gcataatgct tgtgtgggca catgcgccaa gggcacgaga 420

ggacatcaca gggaaccttc gggagccagt gctagccttt acccacggag tcat 474

<210> 1328
<211> 416
<212> DNA
<213> Mus musculus

<400> 1328
acctgaagca gcattacatc gacctgaaag accgtccttt cttcccgggg ctggtgaagt 60

acatgaactc ggggcccgtg gtggccatgg tctgggaggg gctcaatgtg gtgaaaacgg 120

gccgagtgat gctgggggag accaatccag ctgattcaaa accaggcacc atccgtgggg 180

atttctgcat tcaagttggc aggaacatca ttcatggcag tgattcagtg gagagtgctg 240

agaaagagat ccatctgtgg tttaagcccg aagaactgat cgactacaag tcttgtgccc 300

atgactgggt gtacgagtag acatgaagaa accagaatcc ttttcagcac tactgatggg 360

tttctggaca gagctcttca tcccactgac aggatggatc atcttttcta aaacaa 416

<210> 1329
<211> 116
<212> DNA
<213> Mus musculus

<400> 1329
aagatcatcc ggcaccccaa ttataattca tggaccctgg acaatgacat catgctgatc 60

aaactggctt cccctgtgac cctcaatgcc agagtggcct ctgtacctct gcccag 116

<210> 1330
<211> 362
<212> DNA
<213> Mus musculus

<400> 1330
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agtgctgcct caggctgact gtgaggcctc ctaccctggg gacatcacca acaacatgat 120

ctgtgttggc ttcctggagg gaggcaaaga ttcctgccag ggtgactctg gtggccctgt 180

ggtctgcaat ggagagctgc agggcattgt ctcctggggc tatggctgtg cccagccaga 240

tgctcctggt gtatacacca aggtctgcaa ctacgtggac tggattcaga acacaattgc 300

tgacaactag agaaccctag tctctcttca atcagtatta tcaataaagt tcatttgtca 360

tc 362

<210> 1331
<211> 350
<212> DNA
<213> Mus musculus

<400> 1331
actagactgc catacctgtg tgaaggcgac atgtacaatg actactatgt tctggacgat 60

gctgtctttg ttctcagacc agtataaaca cgtggaggcc caagtcctca gagtcacccc 120

tgcaaccgac cctccagaag aggagatgca tccagtgatg tgaggggggac ctctggggac 180

tgtcattctc agtatcatgt aggaatttaa aaagccaaaa tactaattct ttctttgtag 240

tgtgtaaggg agtgttttta aaaacaaaac ccaactcttt gtgtattttt aatcaactct 300

ttactcagaa tcacgctcca atgcaggtca ctctccaatt atgatggaag 350

<210> 1332
<211> 393
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<400> 1332
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gcttttctgt actaaactaa cttgaacgtg acctagaaac caagagatac tgcttcatgt 120

gtggtcttta ttgggccaca ggagggtcaa tcttgtgggt ctgtgctgta atctgcctta 180

cttgcaccca ccaggataag gacataaacg gtgctcaact tttctgccac cagactgtta 240

actttgctaa atggctcaag aacagtcagt tagccctgct ntcttgacta tgttgttttt 300

aatcactgtg acctctgaat tttcaagtat aggccaaatg agccaagtaa cttggctgtg 360

aaatggcaga aggaaccttc tctcaagcag gta 393

<210> 1333
<211> 416
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<400> 1333
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ggtgatttct tcataacatc caaggnatct gggatatgac tacagctacc tccaagagtc 120

agatccaggc ttttacagaa attatattga gccttacttg gaacaagcca gtcgtatctg 180

gccatggctt cttggggcag cactggtggg agctgttatt gctgcagctc tctctgggct 240

tagcagtagg ctatgccttc agaagaagaa gaagaagaag caaccccagg aggaaaggca 300

gccactcctc atggacaaag acgactacca cagcttgctg tatcagagcc atctgtgaac 360

atcctaggaa acagagtggg actgaaaggt tttacctcac tcgacctatt tgttgg 416

<210> 1334
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

<400> 1334
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gatgagaact ctaacaacct cacgggggct gtcatttccg tcaccggcat caaccacgac 120

gtcacttcag gtgaacangg ggattatttc cggctgctgc tgctcccggg tacttactct 180

gtcactgcca aggcaccagg gtacgacccc aaaacagtga ctgtgacggt gggncctgcg 240

ggaccaacag tggttgactt ccaactcaag cgaagctcat ctcaggtgta ccctgtgcag 300

agagctcccg gccgagggca gggaggcagg gcaaagcagc cccggacatc cagaaagaaa 360

gacccagcaa cgaaacggca taggggtcct gcatgaagcc agcacccagg accacacaca 420

gcgagnccat ccctgctctc aaacccccttg atcacgcttn tctctttatt atctgggaca 480

gatttagaca cagacacat 499

<210> 1335
<211> 66
<212> DNA
<213> Mus musculus

<400> 1335
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aaagca 66

<210> 1336
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<400> 1336
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gcacttaaga tttcaagacc aaaattaagt tgggtttgat aagttgactt gagtcatccc 120

tgcctgacct agcgacttca cttggcattg ttgtcacact tacaagaagt tacagtaatg 180

ttgaatggga cttgtaagag gcttccttcc ctctgtcttt gaagccatat tctgcctgcg 240

tgtattataa ggaagtggta atttcagtag cttttctatt cctgaccttt ttcattcttg 300

ttttcttgtg gtccaatccc ttccacacac agctaaagga aagctacaaa ataaaacaca 360

cacagaaaca aacttataag ctgtttaacg tgtaagccaa agccaataat gattgaaggt 420

tttctgtgtc ttctgtaatt gttaatcact ttgcaaaagg gggtgaaatg tcaaattgcc 480

tgtatttgca tttctggac 499

<210> 1337
<211> 548
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

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cataatgaat ggaattcaat tccacacatg gtttgttcaa gcacacttaa taagtagtct 120

acttttaaat ntctttttt aaaaatgtaa atacttggat gaagcttttc tttgtttcaa 180

tatagtcatt tacatcatga acattgtttt cagaatttat cttttgaaca agttggcttt 240

agaatctgtc aagtgantgt aaggatcacg agtatcaaac tctgtcactg gacattgaga 300

agagtggact aaagcgcgga cccgctagct caggttgtat ggcttcatca tttggatcat 360

gtgntgtgtg tagtaaggga gctgtccgcc aaagcttggc ctgagaggtt tggaaaggag 420

aagtgagtga ggctcagtat aaaaggctac gggggaagaa tcaggtagaa atgagacgta 480

gcagtgacgt cagaaagtgg aacttggtag gcatcagcct ggcatcatca ttagagcagt 540

gagcacta 548

<210> 1338
<211> 534
<212> DNA
<213> Mus musculus

<400> 1338
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tgtcaagtta ctattggcca agaaatttcc agaatggaaa agatgtcaat gactgggttg 120

gaccaccaaa taacaatgga aaaaccaaag aagtgagcat taacccagac agcacttgtg 180

gcaatgactg gatctgtgaa catcgatggc gtcaaataag gaacatggtt gccttcagaa 240

atgtcgtcaa tggtcagcct tttgcaaact ggtgggataa tgacagcaac caggtagctt 300

ttggcagagg aaacaaagga ttcattgtct ttaacaatga tgactgggct ttgtcagaaa 360

ctttacagac tggtcttcct gctggcacat actgtgatgt catttctgga gataaagtcg 420

atggcaattg cactggaata aaagtctatg ttggcaatga tggcaaagct cacttttcta 480

ttagtaactc tgccgaagac ccatttattg caatccatgc agagtcaaaa atat 534

<210> 1339
<211> 303
<212> DNA
<213> Mus musculus

<400> 1339
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ggcctaaaca aggctggcaa gttcccctcc ctgctgacac acaatgaaaa catggtggcc 120

aaagtggatg aggtgaaatc gacaatcaag ttccagatga agaaggtgct gtgtttggcc 180

gtcgctgttg gccacgtgaa gatgaccgat gatgagctag tctacaacat tcatctggct 240

gtcaatttct tggtgtcctt gcttaagaaa aactggcaaa acgtgcgggc tctgtacatc 300

aag 303

<210> 1340
<211> 154
<212> DNA
<213> Mus musculus

<400> 1340
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tctgtgattc tgtgggcagt gcccacttgc tatattgata agcagttcat attgattatt 120

ggctattcta tactgttaac atgaccctag ttgc 154

<210> 1341
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<400> 1341
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cgtatggagc cccagggtac ccagccagcc aagactcatc attccagggc acggacacag 120

actcttcagg ggcnacccct gctgcaggtg tactgctaac ccctactggc ccagcagtca 180

cggcctctcc tggaagaagc atagccagcg gaggagagga accaggacct ctgtgtgggg 240

ccgcctctga gcccagaagc agtgacctct ctggcttctg cttttgttga atccccttag 300

accacataca tttcacaggg ccatggtgcc catacccccct tccagctggc ctgactgctg 360

gctgggcctc ttntgcggcc tgaaagcaaa gccttggaag tagcttccca gttccact 418

<210> 1342
<211> 257
<212> DNA
<213> Mus musculus

<400> 1342
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agagcctgct acagtgagtc cctctctccc aaagtaaagg accctatagg gcaacaccca 120

gagggctcca tcctatcccc acctgctgga gaaggccaga gcttttgcca cccacactga 180

ctccagactt ttaaaaggtg cctctggcca ctcttaccca caggcctaca gtagcctgtc 240

tgctgtattt ggagaag 257

<210> 1343
<211> 465
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<400> 1343
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cagcaggcac tgcccttcct agttggtggc tgccatgttg gactgtggat ctaaaacact 120

tctagagctt tgtggtccaa actctggctc tcccgtctgc aaaacaggag ccagcctggg 180

ctctgtgcct acctcaaggg gagctggggg ttgggggggac tgaccctccc cagggaggtc 240

ttacaagtag tgtgaccagt cttttgtttg tttgtttggt tggttgtttt ttggagacag 300

ggtttctctg tgtagccctg gctgtcctgg aactcactct gtagaccagg ctgnccttga 360

actcagaaat ntncctncct ttncctccca agtgctggga ctaaaggtgt gtgccaccac 420

tgtccagctt gtgaccancc ttttaaaagt gccactcact ccctg 465

<210> 1344
<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(347)
<223> n is a, c, g, or t

<400> 1344
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ccgaatcagt ggtgtgggca atgtgacacc agctcgcctg cagcaagttg ttctaccct 120

ggtcactgtg aatcagtgtc ggcagtactg gggtgcacgc attaccgatg ccatgatatg 180

tgcaggtggc tcaggcgcct cctcatgtca gggtgactca ggaggccctc ttgtctgcca 240

gaagggaaac acctgggtgc ttattgggat tgtctcctgg ggcactaaga actgcaacat 300

acaagcaccg gccatgtaca ctcgggtcag caagttcagt ancnnnngga tcaaccaagt 360

catggcctac aactaaactg tccacagatc cgttcc 396

<210> 1345
<211> 497
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

<400> 1345
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agtctatggc tgccaagacc cggcggttcc gcagtaagat ggaagctgct ggttttactg 120

tctcaggagc cgatcacccc atctgccctg tgatgctggg agatgcacgg ttgtcttctc 180

aaatggcaga tgacatgtta aagaaaggta tctttgtcat cggatttagc taccctgtgg 240

tccctaaggg caaggcccgg atccgggtgc agatctcagc tgtacacagt gaggaagaca 300

ttgaccgctg tgtggaagcc ttcgtggagg tggggcggct gcatggagct ctgccctaag 360

ctcttggtag ggacctgcag agccaaagtt cctccactgc cgctgacata gggctcctnt 420

ggtcagccca gatcagaggc tgtgactcaa cccagacttn tagagcctgg ttgaaaatgg 480

gcctgtactt gtcatca 497

<210> 1346
<211> 457
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<400> 1346
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gtggccttag gcccctgtgc aggtcccagt ttccccccac tttagagagc tgatgttcca 120

tagggacacc tttctgtctc tgattcaaaa gccgatagtc tgtctgatgg ttcagccgcc 180

agggggcgca gcgcgttcac gctgccgccg ctggctactt gggggccttg gatcaggctg 240

ttgggcagcc ctcaagccag gccagaaggg ctggtttgct gctacgaagg ccctgtcctt 300

ntaccctgtn ttcctaccgg caaccatcac acctgctgct ccattaccat aggtgtggcc 360

tccttcccat tttgctgacc ttgctttact gtgggaaagg aggggtggaa tctcgcaggc 420

tcagccccgc aggcttatga ctgctgctgt aggctca 457

<210> 1347
<211> 252
<212> DNA
<213> Mus musculus

<400> 1347
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cctagggttt gttccacctg tttttgagac aagctcttct catggagctc tgatcgacct 120

ccagctccag ttttcctgcc tcaacctgag tccaagctcc acctctctct ctgctgctgg 180

catttctcac ttttagctac tgaggctggg aggatgggac acttgagttt ctgcgtcatt 240

attcattctg gg 252

<210> 1348
<211> 502
<212> DNA
<213> Mus musculus

<400> 1348
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cacacctgct gtgcttagga caggatcctt tgatcacaag gcagaaccct aaccccggtc 120

catctactca aactggaata tgcagggacc tttccctggc ccctgccagc aggtctccca 180

acttcctacc tagctcaccc taccctaac tggtgagagg ctgagtttgg gctgaattat 240

atgcccttag gaatacagtc caggcaggct gtggggcctc tgggggggca gggaccaccc 300

gctacccctc attcctctca ttccttcagc ctgtacctgc ccctccttga attattgtct 360

ctctctctct ctctttttt ttaagtggat gccttacttt ttggataact atttttgaag 420

ctggtatttc tatttctttt ggatttttta atgtatggcg gtttgggggc agagctagaa 480

ccttaataat ctgtcactga gt 502

<210> 1349
<211> 568
<212> DNA
<213> Mus musculus

<220>
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<222> (38)..(38)
<223> n is a, c, g, or t

<220>
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<222> (60)..(60)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(293)
<223> n is a, c, g, or t

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tgtggtccgg gaccccgcgg ntggcgacgc ggggcgcgct tncactgagc ccggggcgag 120

cgatgccgct tggcctggcc aaccccgtcg agcgccgcgc cggggaccca gcccgcgtct 180

gagcagcgcc ggctgcgcgc cggctgcgga gaaccccaca gcaggaccct gagtcagctt 240

ctcttccaac agccaacttc tgctgctgca gtgtcccctg actgnncnng cnnctgtacc 300

acctctcagc agggagtgca ggaatgaagg aaggcatgtc taataacagc accaccagca 360

tctcccaggc caggaaagcc gtggagcagc tgaagatgga agcctgcatg gacagggtga 420

aggtctccca ggctgcctca gacctcctgg cctactgtga agcccacgtg cgggaggacc 480

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ccatcctcta acacccatgg cgatgaag 568

<210> 1350
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (473)..(473)
<223> n is a, c, g, or t

<400> 1350
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cggcctcgtc tgggcagggg cagccgtttg tgcttcctgt gggtgtcagc tcgaggaacg 120

aggattaccc ccgcacttgc cgcctatgtt tctatggcac aggcctcatc gctggccacg 180

gctttaccag ccctgagcgc acccccggag tcttcgtcct gtttgatgag gaccgctttg 240

gatttctgtg gctggaattg aagtccttca gcttgtacag ccgagtccag gccaccttcc 300

agaacgccgc cgcgccgtcg ccgcaggcct tngacgagat gctcaggaac atccantctc 360

tcacctcctg acctccgcat cgtgggcgga gaggctgcac cggggcccgg gtgggggaag 420

catgcacttt agaaatgaac gcacacctcc tcactgggnt cccgntcgcc ccngggacgc 480

ttcttgtata gtgtgtaa 498

<210> 1351
<211> 276
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<400> 1351
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accctgagcc cagctctgga atcaaaactg cactgtcaag aaggaaacca cagaactctc 120

tacaacgttt gatccttgtg ttgttcgtga aggttcctag ccttgtcccc caaactggcc 180

cacngggctc ctgcactaaa ggtgaccagt accnacctcc tccttctttt ctcagcacct 240

gtggaggaag tacggtggcc tgggtgaccc cagtat 276

<210> 1352
<211> 439
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

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<222> (315)..(315)
<223> n is a, c, g, or t

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<222> (318)..(318)
<223> n is a, c, g, or t

<220>
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<222> (339)..(339)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (407)..(408)
<223> n is a, c, g, or t

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ccctgggnta atcagccaga ccatcagaca gcagcaaagg gacttcattg agacacagat 120

ggagaactac gacaagcatg tctcctacaa tgctgagcgc tcccggtcct cgtccaggag 180

gcggcggtcc tcctccacag cgccaccaac ttcatcagag agtagctaga agagaataag 240

ttaaccacaa aataagactt tttgccatca tatggtcaat attttagctt ttattgtaaa 300

ncccctatgg ttctnatnag cgttatccgg gttctgatnt cagaatcttg ggaacctgaa 360

cactaagttt taggccnaaa tatgagtgaa aactcttttt ttttttnnct ttcagatgca 420

cagggaatgc accaattat 439

<210> 1353
<211> 542
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
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<222> (355)..(355)
<223> n is a, c, g, or t

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<222> (359)..(359)
<223> n is a, c, g, or t

<220>
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<222> (365)..(365)
<223> n is a, c, g, or t

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<222> (367)..(367)
<223> n is a, c, g, or t

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<222> (377)..(377)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (512)..(512)
<223> n is a, c, g, or t

<400> 1353
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antttttncgg aacataaagt cctaagtcca ggcaagtcta aaatacattg gtggggacat 120

cagaaaggtg ggtacggcaa gctggggagg actttcctat aaggtctgag aggttgagag 180

ctttgggttg gtagaagcta tgttctgaca aaggtagtca ggaaatggct gtgtgaagct 240

acagctagcc caagatctgc tgattttggc ctctgggccn atctccggag gcctggtttc 300

tttctaggac tttttgctca tggtagagag ctggctctcc atcccattag aantntccnc 360

acctntnccc ttctccntgc atgtccaggg tcaagagact ccctgntcct ggtgggatct 420

agactactcc tttctgagan tcantcttcc tgctttcanc cataaggaaa tgctgaccca 480

acccttagac aaggcacaca gagatgcttc tntcctggct tctgggtgag gtgtttactg 540

ct 542

<210> 1354
<211> 415
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<400> 1354
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gtgttcgccc acccgtcctg gagggccaag tagttcctgt tgccagtgac tgccaggcct 120

cagccaggcc tgtgacccat tccaggccaa cacggctcta atgtgagcat ttatgactca 180

ccttctacct gacaccaggt agaacatgaa gtctctatta cccaacactg ggtacactcg 240

gaggaacctc aggccttgtg acttgaagag gagtcgagaa gatgccattt acaccacccc 300

tgcttccaga agaatccaca tcttcatctt ggggtttgtc ccactgccag gttgtttaag 360

tgacctttgc cctgggtccn tcgatgnccc cacctcacca gcattatggc tttat 415

<210> 1355
<211> 447
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 1355
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cctggcttag gaatgtttgt gactgttaca acttacaatg atgaggtatt attatccaag 120

ttatatggtg cacaaggaac attctatttt acttctcatt catctggtga acacatcatt 180

tgcttagaat ctaattctac acagtttgtg tcatttggag gaagtaagct gcgcatccac 240

ttagatattc gagttggaga acatgacctt gatgcagcta ttgttcaagc aaaggataaa 300

gttaatgaag taaccttcaa gcttnaacat ntaattgaac aagtggagca aatantcaaa 360

gaacaagact atcaaaggga ccgtgaagaa aatttccgta taaccagtga agataccaat 420

agaaatgttt tatggtgggc ttttgca 447

<210> 1356
<211> 142
<212> DNA
<213> Mus musculus

<400> 1356
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tccctgttct gaggcgttcc actgctggtg tgcttgttga cagccttcct ttagcttgac 120

tttaaagccc tgcctatcac ca 142

<210> 1357
<211> 386
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<400> 1357
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ttcccaggca atgcttaaca cactcttagt gctttgagtg atacaaaggc agtgtttcaa 120

caagacactc tcttctttgg tttgctgttc tctcttggac tggaatgttt ggcaaggccc 180

atgtaaactg gttagagcag gccctttata tctcctgtga ccgttaatct cccccaccat 240

aatttgatga gggctgtttg gtttgaggac ttcaaggatn tctagagaag ttcccccatg 300

tgtgtgaggt gttgtgaact gtgaacactg tacatnttca gtgttcaata ctgggcancc 360

aaagagctgc tcttgcaatc ttttt 386

<210> 1358
<211> 305
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
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<222> (264)..(264)
<223> n is a, c, g, or t

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ttttttttt tccacaaaac ttgaagaggg taggcacaca gcggcgcctg ccatccctaa 120

gtccccgagg aggctccgtg ctgagaaact gttgagtgta cagattttat ttatgcataa 180

tttaatggga tctgtaaata cttcttatga ctttttgaga aatgggattc gattttaaaa 240

ttacctttta atggtgntgg gtcntgtagc ccctctagct tttatgcgag tgcacacagg 300

gtatt 305

<210> 1359
<211> 554
<212> DNA
<213> Mus musculus

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<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<400> 1359
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ttccagcaag acgatggaga aaatggaaaa gcacaggaag taaaatggct gcanggaggc 120

cagagagcag aaggagagga cccaggcccc tccactgggg cagcccggga agtgtccaga 180

gcannngcag cagcagcagc agcagggaag cagttacaac ccgcccgccc acaccgcaca 240

ctctggacct gccctcttgg agtctttgtg acttttccat ttaaccctgg acatgctatc 300

cngaagccac ttggtttggt tcttttattc attaaacatg tgtgtttttt nttttttttt 360

taaatccgtt ccctctcttg aaaggtgcta cgagttttag aacccttttgt aagaactccc 420

tgggcagaca agaaactcca cgcttagctg ctaacacagc aggtgcatgg gagtcgtcag 480

ataaagggat cgatcaatca taacttattt ctttttcagt gttaagataa tagctggctt 540

ttatgtccac taaa 554

<210> 1360
<211> 449

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<400> 1360
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agccactcac tgctggactc tgccggcttg tggccaggaa ccgaaagcca attgaaaagg 120

tgttggatgt agactttgcg ataaaggccc gcacgatccg ccagctggat gagcgctaca 180

catctgtggc ttttgggtat aaagactgtg cggcttatta ccaagccgca agcccaagaa 240

ccaaggtaga tgccatccac acccctgttc tctgcctcaa tgcagcagat gacccttct 300

ccccagtcca tgccttccct ctgcaggctg cccagaagtc tccctatgtg nccctgctca 360

tcacagctcg gggtggccac attggcttcc tggaagggct gatnccctgg caacactgtt 420

acatgaaccg cgtactacat cagtatgcc 449

<210> 1361
<211> 391
<212> DNA
<213> Mus musculus

<400> 1361
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tgctgcgcgc cgatggctca ggagccgcct cttcccggtt gacagcaggt ctgggcttcc 120

aggagagtcg cttccggcgc cagctggcgc tgctcacctg gacactgcag ggggcagcca 180

acgctctcag tggcgacgtt tggaacattg acaataactt ttgaagccaa aagccctcca 240

tgggccccac gtgattctcc tttctccctc tttgagtggt gcaggcaaag gaggtgcctg 300

agattgtaac ctattcttaa caccttggt cctgcaatgc tggtgcgcca tattttctca 360

gtgtggttgt catgccgttg cttacccaga a 391

<210> 1362
<211> 306
<212> DNA
<213> Mus musculus

<400> 1362
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agatccagcc tctgcccttg aagaatgact gctctgagga gaatcccaac tgccagatcc 120

tgggctgggg caagatggaa aatggtgact tcccagatac cattcagtgt gctgatgtcc 180

atctggtgcc ccgggagcag tgtgagcgtg cctaccctgg caagatcacc cagagcatgg 240

tgtgcgcagg cgacatgaaa gaaggcaacg attcctgtca gggtgattct ggaggtcccc 300

tagtat 306

<210> 1363
<211> 361
<212> DNA
<213> Mus musculus

<400> 1363
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ttggaaaggc ttagggaaga gataagaaga gtaagaaaca agttcgtgtt gatgcattgg 120

aagcaaagac attcccgaag ccgtccttac cctgtgtgct tcaggccttg aaatcgtttt 180

tttttctctg atattgaaat gtggctgctg ctttctttct cttagcattt tctgatgtat 240

ctttgaactt cattttactt ttaataataa ttacctggcg gtattttctg ttatgtagtt 300

tcgttgttac cagcatctca ttggattttg gatttttgac ccattttcca cgtttatctt 360

t 361

<210> 1364
<211> 519
<212> DNA
<213> Mus musculus

<220>
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<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

<400> 1364
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ggtcccactg aacccgttcc aggctaatgc ctacccccat ggctttgtgg actgctcttc 120

aattgataag ctggacctct caccctgggc ctcagtgaag gagtaggaac ctgctgccca 180

cagcttccta catcgaacat gtccatggtc cgagatgcca tttcaaacag ttccagtgac 240

ctactccttt taagttggac accgaggcca aaggctgcct cagccttccc agcccatcca 300

ctcagctgtn accaccctct cagcctgacg agacttaggc ttcttaagat gtccttccag 360

cttgtcagac actgcctacc ctctccctga atgagcactg gctgaggant gtggcctttn 420

gacctttatg tttcctcccg tcctctaaga ctagctcata agcatcctga gtcaaagacc 480

tctgcctncc ttgtgagtac gacttgtggc acttagcat 519

<210> 1365
<211> 485
<212> DNA
<213> Mus musculus

<220>
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<222> (349)..(349)
<223> n is a, c, g, or t

<400> 1365
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aatgactcac atgtttgttg ggtcacctgg aaggatgtcc agtgtaccta tgggaaccac 120

agataccgct ggcgggaaac ggcctatctc ttggtttaca cgaagactgg atcctgacag 180

atatactcac acctccagag agggatagac tcttatctcc tctcctgtac ccttgtctgc 240

tgcatttcaa cgagaataat aatttaaaaa caattaagcc ctatttataa gcaaaactat 300

tattgcaatg gcttagatgt agtttgtctc ctgaaagctc acacacggna aggcttggtc 360

tttagatggc agtgcttagg tgacagaact tgtaagagac agggaccagt gggagatcat 420

cggttcatgg gatctctctc ctgagcacta atagttcttc ttcctgtttc tctacacatg 480

ttgtg 485

<210> 1366

<211> 563
<212> DNA
<213> Mus musculus

<220>
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<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (498)..(498)
<223> n is a, c, g, or t

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aacagtatgg taaccccatc cgtgggcagc atgaggttca tggcatgcct agtgccaatg 120

ctcacaacac gtggaaggca atggaaggaa tcttcatcaa gcctggagca gatctctcca 180

cgggtcacga tgaactctga gaaccagatg agtgatggga gggtggctga gtggcaatct 240

cggggtcact cttgtgtaan gactttgttt gtaggggncc ctcaagtgcc tttatgatta 300

aagaatgttg gtctgggatt atttttgctg taaccctggg gaagatctga aggtgccagc 360

catatntgtc caagttacca tntcacctgt ntcaagcacc tgctgaaatt ttttttttt 420

ttttttttt tnngagactg tctcactatg tatccttggc aggcctggaa ctcacagaga 480

gatccacctg cctctgtntc ctgagtgctg gtattaaagg tgtacaccac cacaactggc 540

cccaacctgt tcaataaact cat 563

<210> 1367
<211> 493
<212> DNA
<213> Mus musculus

<400> 1367
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tatggtttag aaaggcttcg atgtggctgg gcgtggcagc acatgcctgt tatcccagct 120

cctggaatat ctcagcatca gaagctgagg atcaggagtt caaggccagc ctgggctaaa 180

ggagacaaag gctgtagtat ataaacagtc cttcagctgt gatagttgat caaatattaa 240

caggcttttt cgtcttctca ggtttccact tggtcgaggt tcggtaccgg tcttctgtga 300

agccaaagta gccattgacc gttcatagga aactgtctta gtcacaatca acttcttcac 360

tagggtgtga ctcagatgtg tataatccca gatggttgca cctgagaggt ccagagagat 420

ctcacctggt tgcaaagaca cctaaccttg gtccactgta ggtgcttcac ctactcctcg 480

atatgtcagc att 493

<210> 1368
<211> 465
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(337)
<223> n is a, c, g, or t

<400> 1368
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gttaaagtga ctttactgct tttatttta tctggggtgg gaggaagtga gcacctccca 120

tatggcagcc ngcgtggctt tgtagactgc tacaatactc cctggtggca ttggttgtct 180

cagaaatttc tggaactcca ggactcagac actgcctgtc ccatctcact tactcaccca 240

gtgtgactcc cccccaagtg tggatgcccc cttgcctccc ctgggtggac tccttgctct 300

tccccacccc cactgtgttt tgttttgttt tgtttnnaac ttaggcccag atgcttctgg 360

gctacaccag ttcctgtttc gatgtgagtt ttgaaatgct ccgtgaaggg ctgagggacg 420

gcaggaagat ggcgggagcc aggcagtacc aacttcctgg cgaag 465

<210> 1369
<211> 429
<212> DNA
<213> Mus musculus

<400> 1369
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tcttttcatg aatgcttata ccatgagagg agctggcgca gtgattcata cccactctaa 120

agctgctgtg atggctaccc ttctgtttcc aggacaggag tttaaaatta cacatcaaga 180

gatgatcaaa ggaataagga aatgtacctc aggaggctat tacagatacg atgatatgtt 240

agtggtacct attattgaga acactcctga agagaaggat ctcaaagaaa ggatggctca 300

tgccatgaac gagtacccag actcctgtgc ggttcttgtc cggcgtcatg gggtgtacgt 360

gtggggagaa acatgggaga aagcaaaaac catgtgtgag tgttatgact acctgtttga 420

cattgctgt 429

<210> 1370
<211> 556
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
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<222> (363)..(363)
<223> n is a, c, g, or t

<220>
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<222> (365)..(365)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (393)..(393)
<223> n is a, c, g, or t

<220>
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<222> (410)..(410)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

<220>
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<222> (481)..(481)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (503)..(503)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (520)..(520)
<223> n is a, c, g, or t

<400> 1370
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aggccttcta ttactacaac cccttgggta ctacctaatt cataaggaag agagaagagg 120

gtataagggt aacagattgt aaagttgact gtctggtgga ctggaccttg cttatgacca 180

agaagtcggg ataggttaaa aggtagaagt gcacttattg atccaaatgg gagatttcag 240

agccagtctc tttgcaaagg actagcaaag ctaaatgaaa aagaagnatt ttttttttct 300

atttggtttc cccnataatc antctacctc acancgggga aaaatcagta tacnagaggt 360

atnangccna ggtgttgnca ntgnacncca aancaagctc cataggtatn tccaagctat 420

nttcagaaat ntccgtgnct gttttcagta ttaaaatctg ttntctaaaa gggcancagt 480

ntccatcaca gggttataga aanccacttt tctcaggctn gccacctgct ggggcggacc 540

catttcaagt atttat 556

<210> 1371
<211> 511
<212> DNA

<213> Mus musculus

<220>
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<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<400> 1371
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attgtcatgg atggctgtga atatgaanct ggacaactac cgcactactt tccacccagc 120

tggctcctct gcagcccatt ccggtcacta ccagaggttt gantgtgaag acttttgcct 180

ttgtatcaga ggcnacgggg gctctccagc cntgatctac ttccactgca gtgccttgat 240

ctgtaaccaa gtctctcttg actcccctct gtgctctgtg acttgccctg catcactgag 300

gagcaaacga gaggccaaca aagaagacac aatgacggtt agccttccag gacctattct 360

cttgctgtca gatgtctctt catccaaagg tgttgacccc agcagctctg agattaccaa 420

ggatattatt nccaaggata ttgcttctaa aacattgggt gctgtggctg cactagtggg 480

ctcagctgtc attctaggct tcatctgtta c 511

<210> 1372
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (184)..(184)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

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aagaaatgct actccggttt cgtctttgtc ccattataga aatatttgac aactctctgc 120

acattcccac ttcctttata actataacca cataagaaat acaggtcagg aaattggcca 180

atcntaatgg acctatacat gtgaaacact ttcagcacta gtggtagcgg cgtgcctggc 240

atgtgcaggc ccctgggtct ggcctggccc ctgggtctgg cctancacct cccaggtact 300

gagttgcttc cgttcagttt gtttcccgtc acacctttta tgggtagaga gctgtggcct 360

ggcctgtaca ggtgactgta caggtgaaga ctgaaggacc agagtcacaa atttaagtgt 420

cacacagttn tagttaggtc cntcctgtac atggtagacg tctatct 467

<210> 1373
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<400> 1373
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attgggaagg aggacacaca ttgaccgtgg ccaacctcca agtactaagt tgtgaagtga 120

aacaacccag acattggctc cacaagcaca gattcccaga aaagatggaa gacatgagag 180

cctgacgctt ggcacccaga tacatggtga ctaggattcc cttagcacaa atgcttagcc 240

aagaacaatg agatggcaaa gaagaaaggt gggggccaag ttttcccagg atctancaga 300

ctgaaggcta ggaagaatgt cataggagaa tgagaccagt gtctacaatc acaggcaact 360

gtgagctgag cactggtggc agccatgctt tctctcgcta gactttccct tttccccatg 420

tatagccaac tttctccatc tgtagtgtcg atgtcagctt tttcttac 468

<210> 1374
<211> 458
<212> DNA
<213> Mus musculus

<220>
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<222> (145)..(145)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<400> 1374
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gagactcctg gtcctcaggg gaagattaga aactgcccct ctggcactga ggacttagtg 120

gggggtgggg gggggaatgt ccctncctgc tctgggccag cactcttagc tttgataact 180

tgacctgtgg tatctctcgt ggagaggtgt ggctggctga gacaggtgag atcctgcctg 240

gatcaccctg aaggctcagg tcagctgagc ctatagttca acgccccctt tcttctgtgg 300

ctcacctgct ggaagaggcn tgggcccaga gctttcccac gagnctgctc tggccagagc 360

ttgctagncc ctgcctgtct acagtagcac cacctgcaca gggtntggnt gcatgcccag 420

aggagcagca atgatgagtg actctcatca tctcagcc 458

<210> 1375
<211> 410
<212> DNA
<213> Mus musculus

<400> 1375
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gcaagttttc aatgtccctg catcctatga agtcataatg atctgactgt actggaggtt 120

ttcctgcatt ttttactttt cgaaaataga ggtttgggct gagaattcta aacgcatgtg 180

cctgggtggg acgtcaagtc agggttctca tcaaagctga gaagtggctg gaatgttcag 240

cttggtgtct ggggaggatc ctgtgagcta tgtagagagg tggctcttca gcctgactca 300

gtgtgggctg aacgaagtac ctgcagaaca cacggtagca ggctccaaaa tcgtcacctc 360

aagcatgcgt gcaagcaaac ttccgagaac tccgttttct gctcggcaga 410

<210> 1376
<211> 525
<212> DNA
<213> Mus musculus

<220>
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<222> (88)..(88)
<223> n is a, c, g, or t

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<222> (95)..(95)
<223> n is a, c, g, or t

<220>
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<222> (100)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<400> 1376
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acacacactg gctggtttgc tgatggancc cttanaccan nccctcncca cccccacccc 120

tccccaagca tggctgcaag tgtcagggca ccacaccttc ctcttcttga catttctttg 180

aacagacatc attttgtagg atcttaattt atacattttt ttcaggtcat aaaatgtggg 240

atgaacatac tttgaacccc agtgccttca gggtccattg actagggagg cactgtctta 300

ggggacaggt atgtgcaagg ccttacccac cagtggcttc tcgctgcagg tcatgtttgt 360

ggcacttgtt ctttaaggtg agggtcttat gaccgactgt tctgagacag ccctgtgtca 420

ggcaagctct ttcacagggt tgtaggtatt tccaagacgc cataggaacc agacagtgaa 480

tcatagctat cagtttgctg tgggcaagga acctcttttt ggcca 525

<210> 1377
<211> 544
<212> DNA
<213> Mus musculus

<220>
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<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (507)..(507)
<223> n is a, c, g, or t

<400> 1377
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tcctgtaacc ctactgaaat tagcaagcaa attattgaga gcctggcaag tccctctgaa 120

ccatctagtg aacaacctgc catccttgaa aancgtctct ccttctatcc tctctaaagc 180

caaagagatt gaggaaaaga gcaatggact cctggaggga gttaagagca ttctcatcca 240

aatgcaaaat ggagatacag aagatgagaa ctaccctggc tggtctggac tggcatcctt 300

gaagtcagag actgaagata ttcgcctctt tgcatattat aacatgatcc gctgtgaggg 360

cagagacact cagaaggttg aaactgctct caagatggtg aaatgcaaaa tttcaaatga 420

aaacaactgc taagcccttt tcatcatntn ttcgtctgag ccactgcttg atgatatatt 480

gctgtgaaac ttccttgaat ttttttntct gttaaatgca tgcccagtgg tgtttatctt 540

cttt 544

<210> 1378
<211> 573
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (526)..(526)
<223> n is a, c, g, or t

<400> 1378
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aaaacggaga cacagctcac aagagcaaac cttccagctg ctgaagctgt ggaaacatca 120

aaacagagac caggaaatgg tgaagaagat catccaagac attgacctct gtgaaagcag 180

cgtgcagcgg catctcggcc acncgaacct caccacagag cagcttcntg ccttgatgga 240

gagcctgcct gggaagaaga tcagcccaga aganattgag agaacgagaa agacctgcaa 300

atcgagcgag cagctcctga agctactcag tttatggagg atcaaaaatg gtgaccaaga 360

caccttgaag ggcctgatgt atgccctcaa gcacttgaaa acatcccact ttcccaaaac 420

tgtcacccac agtctgagga agaccatgag gttcctgcac agcttcacaa tgtacagact 480

gtatcagaag ctctttttag aaatgatagg gaatcaggtt caatcngtga aaataagctg 540

cttataacta ggaatggtcc actgggctgt ttc 573

<210> 1379
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<400> 1379
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tcgcgaataa atagcacaga agcccggaca gctcatgatg agtactggca cgcacacgtg 120

gacaaggtga cctacggctc ttttgactac acttcgctgc tttacctatc ggattactta 180

gaggacttcg gtggagggcg ctttgtgttc atggaagaag ggtccaacaa gacagtggag 240

cccagagctg gtcgagtctc attctttacc tcaggctctg agaacctgca ccgagtggag 300

aaagtcctct ggggcacccg ctacgccatc accatcgctt tcacctgcaa cccggaccac 360

ggcatcgagg acccagtact cacgtgacca gctaggtcag gtcctgagta ccatgtcctg 420

tcagagaagg cactcctagg ccgggtggag ggtgtgttca tctntcccac ttcaggccat 480

tgctgctgct caatgtgcct tatgaattat cccgagtctc aacctgctga tgtttta 537

<210> 1380
<211> 185
<212> DNA
<213> Mus musculus

<400> 1380
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agatgatgca gccgcgggag tcaggatgag taaacagcct gccctccttt cctagactca 120

tggcaatcct cctgcttcat gtgtaacctg ggctggccgc agattcatgg caatcctgct 180

ttcag 185

<210> 1381
<211> 410
<212> DNA
<213> Mus musculus

<400> 1381
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cctgatagct gggagacact ggaccagcaa cagttattca ccgaggacga gcttaaagag 120

tatgaaagca ttattgctat ccaagagaac gagcttaaga agagggcgga agagctgcag 180

aaacagaagg aggatctgca gcggcagcac gaccacctcg aggcgcagaa gcaggagtat 240

catcaggccg tccagcacct ggaacagaag aaacttcaac aaggcattgc tccatcaggg 300

ccagcgggag agctgaagtt tgagccacac acataaagtc ctgatgtctg ccagaacttg 360

gaagaaaacc gttgattcaa catctatttc atctttcaac atcctttctt 410

<210> 1382
<211> 312
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<400> 1382
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agaagaaggt ggacctgtct aagcccttgg tagccacgtg tggnctccgg tgtcacagcc 120

tgccacgtgg tcctgggggc cttcctctgt ggcaagtcag acgtgcctgt ctatgatggc 180

tcctgggtag agtggtacat gcgtgcccag ccagagcata tcatctctga gggccgaggg 240

aagacccagt gaagccaggc aggacacagt gcancttggg tganatctga ccatcacagt 300

accagccact gg 312

<210> 1383
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(185)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<400> 1383
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caacttcatt tatttgccca aaacttggat aaantttgc ataagtctag aatataatct 120

ttcctgaaaa aaagaagtca tggtaatcaa ggaaatctgt ttttcctagt ttttttttt 180

tnnnnaacat agtgtccctg ttgccttaaa tgtaaaaacc tattttgaga aacaacccca 240

gtctaaaagt tatagcaata aaagaacccn aatctatttt tgtttcaagt ctttacctca 300

tgacaaagtc agaaggataa ttggtaagtt ttgctctggg tactactgca aaccgatgta 360

tcctttctgt ntcctcaatg gagtattatt tacagacctg aaggaaggtg ggcttaaccc 420

caaggctaag tgtaaatgtt tcttgaattg attctttctg tggtacaagt taacacctgt 480

gtatatcata tctgta 496

<210> 1384
<211> 503
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (478)..(478)
<223> n is a, c, g, or t

<400> 1384
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aagcccctgc cgagcgcctg tccatgagaa cctacaacat cagngccatg agcttcaccc 120

ccgaagagct ggcncaggcg ctccgcangc acgcgcctga cttccagatc acctactgcg 180

tggatcccct ccgacaggcc atagcggaga gctggcccat gattctagat gacagcaatg 240

ctcggaagga ctggggctgg aagcatgact ttgatcttcc agagttggtg gctacgatgc 300

tcaacttcca cggcgtcagc accagagttg cccaagtgaa ctaaagaaga ggagcggccc 360

ctgtntcctc aaagtgcagg gcgcacggca gtntntaagt tggagagcca gactgaattn 420

tagcctntcc caggggacag cttgcgtggg gttggagttc ctttacacac tgcctttntc 480

ctgtgcctaa attggtccaa gca 503

<210> 1385
<211> 457
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 1385
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tttgttcaac ccatctgcct gcctgaggca ggcagctcct tccctactgg acacaagtgt 120

cagattgcag gctggggcca catggatgaa aatgtgagca gctactccaa ctccctgctg 180

gaggcactgg tccctcttgt tgctgaccac aagtgtagca gcccagaggt atatggtgct 240

gacatcagcc ctaacatgct ctgtgccggc tacttcgact gcaagtccga tgcctgccag 300

ggggactcag gtgggccctt ggtctgtgag aagaatggtg tggcttacct gtatggcatc 360

atcagctggg gtgatggctg tgggcngcct caacaagcca ggantntaca cccgtgtggc 420

caattatgtg gactggatca acgaccgtat tcgaccg 457

<210> 1386
<211> 471
<212> DNA
<213> Mus musculus

<220>
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<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<400> 1386
aaaaggccac cttgtgccta ggctagggct gtgtggtcaa tactaagtaa ggccagggta 60

ttctagccag ctcagggtag ggctgcctga ccctgctacc ctcatgttct gctgcccact 120

tcagctgctg taggtgctac aggaaacagc gtcccatcag ctcttgccct gtcttcccaa 180

aggcaaaggc agcattacat atttgaattt atcttctaaa tacccacagt gcatttttgt 240

tatatgcagt ttcccaaact tcttagcaga cctccaaagc ancccagcc tcttctgcat 300

aatgtgtgta tctnccccac cagtgtgttn tctccatttn tcctggggcc tggggataga 360

gttaggtggg acaggagatc ctcaantctt ctgggggtag gccagggcga tcccttggga 420

gtctcaaatg ttggtgtatg gcacccttc tgtactctta tcccatgttt c 471

<210> 1387
<211> 317
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (41)..(44)
<223> n is a, c, g, or t

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<222> (78)..(78)
<223> n is a, c, g, or t

<220>
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<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<400> 1387
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agatcctgac agaatgtnaa aggttnacag aagccctgaa attggcaaaa tagatttcat 120

tgttaacaga actagcttca ctgatttaga aaaatagagg tgcanaatgc tctggccgct 180

ccttgaaccc gtgtgtctgc caatgttttg accgttcctt gaacccatgt gtgtgcccac 240

tgnnnaagnc cantgccagg tgtttgtgat attggttgct ggggaagagt cngaaaaatc 300

tccccagcaa ccacagc 317

<210> 1388
<211> 549
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (229)..(230)
<223> n is a, c, g, or t

<400> 1388
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gaagaacgtg gagaaacgct ggttgctgga gaacatggac ggagccttct tggtgctgga 120

tgaaactgtc gatggaggtg tgattctgga gagcgacccc cagcaagtga tccagaaagt 180

gaattttagg actgatgaca gtggcctaac agaacagagt gtggcccann ggttcttcag 240

tcagccaagg aacagattaa atggtcgcta ttgaaatgaa gaccttggaa tcaaggctcc 300

ttccccagag aacttttgcc agtccccgcg taagccccaa gatctcaaga cgcaagagag 360

accactctgc cttctcaggc ctctctcaga actgatccct gaggtctcct gccagggatt 420

ctgagacgca aaagcttgac cccagctccc tcacccctac tcagcatcct aacctggcct 480

tggggccatg ggaaccagca aagttgcctc ccctcggacc tctgacatcc tcagtcctag 540

gccttaata 549

<210> 1389
<211> 415
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

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<222> (167)..(167)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(170)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

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<222> (235)..(235)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

<400> 1389
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tgcacagttc ttagtgtcnt gggaatgccc cctgtagctg gagttagtct ggttttgctg 120

ctttagcaag ggaacctncg gaggacggct gcaggtntcc ccanctntnn ctggggctgg 180

gagcaggagg ggacacatgc ttgtntntgc tgggagtgtg ttatgatggt ncctntgagc 240

atgtgtgtgc ctgatggtga tnatgtgtgt ttcagagcaa gggtgtgtgc acaggtgaga 300

acgcagggaa gaggtgtgtg agcgactgcg ttngttattt ttccaaccta aagcttaata 360

tattcctgtt ttttttttnc ctccagttaa ttctttaccc agtcagttct ttact 415

<210> 1390
<211> 342
<212> DNA
<213> Mus musculus

<400> 1390
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attttaacat ttagataaca tgaaatatgg ccctcttgaa ttcttgcttt taagttcctt 120

ttgatatgta tataagcaaa gaccagggat aaatggaatt tttaaaatac aggctgctgt 180

gttggggcca gaaatacaag gttgatgagt aagctatctg aagactttta taatgcctac 240

cttcaaaacc agaatcggca gcactctaca aatgaaagtg cctgtgtctc acaccaagaa 300

tcttgcctaa cctgtcagag tgcctaatct tgtggttata at 342

<210> 1391

<211> 326
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<400> 1391
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ttaagcaaat tatgcaaagg gggttgtcgc tctgtgttct gtgtatgcat atatttatat 120

tttgcttgtc ttccagttta ggtcaatctg tttcttcctt taagcagttt atttaaaagg 180

ccattgcacc atcttggtga acagcatgag gggtttcaat aaaaaatagg atcttacctt 240

tgtccacagg gctctacctc ttacttttca attgtgaaca aaaaaggtcn cacacccaga 300

ggcaacaaaa cccacagaat tcctga 326

<210> 1392
<211> 371
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<400> 1392
agagctgtga gcgagcttcc gcattttgct gggaaatact tgactttgca aactcatttt 60

gtgatataaa ataccataag catagcatca ctgtcttttt ttcttnttaa atacttagag 120

atttgttgcc ttttgatttc agtgaccttc agcgagacac gagaaaaggt cttggagtct 180

gttctgtcct cccagccctc agtaggagca cgtattaata agaagagcca catgggaaat 240

tatgggcata aaattaattt atacagaaat gctactaatg atcatcttga aaaaggtcta 300

ctttaatcag atagcttcag ggggattcta attcaaggct gagaaagcct ttattccaag 360

cacttgagaa a 371

<210> 1393
<211> 545
<212> DNA
<213> Mus musculus

<220>
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<222> (506)..(506)
<223> n is a, c, g, or t

<400> 1393
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attgccaata aagttctttg tgatgtcact ctgctgaaga cgcaacttac atacatctca 120

aaaaatgctt ctctacaagc tgagatgagt ttgtcctgtg ttatgcacaa tcagagtcct 180

catttctgtg aagcagaaag tagaggagat ttcactggtg atcctcctgg atggacagaa 240

gatatgaggg caagaagaga tgagcaaact gttccgatgg tgcaaccaaa cctttcaaca 300

tcaagcgaag atcaccatgt ctccacggag ccttgggcct ctgaaacgag caggtctgag 360

gctgctgaag tacctagctt catggatcaa aacttctcgg ttttccattt ctccagaatg 420

tagatggtct ggtgatttct tatctccttt ttaaaaagat acaattttca attttaaata 480

aagtaaaatg cgaccttcat atattntcat ttttaaaaag gagctgtccc tgcttttaat 540

tgtat 545

<210> 1394
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<400> 1394
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gctttctctt tacaatggga ggtttaggtt tcataatcct ggaccgatcc aatgcaccaa 120

acataccgaa actcaacagg tttcttcttc tgttcatcgg cttcgtctgt gttctcctga 180

gtttcttcat ggccagagtg ttcatgagaa tgaaattgcc gggctacctg atgggctagt 240

gtcttttgag aggaaatcag tggatcccgg atttgctcct gttaatgaag ttttaaaggc 300

tgacccactc cctcntgcaa tgtggaaaan aaangaanga gcagtgtaaa cgctgcactg 360

agcgacaccc tagcaagcac agcagagcta ggaccggaag tcacgggatc agagacaagt 420

tcattacagt atttcccttg atgacctacc ccagtgtacc agctatgtta a 471

<210> 1395
<211> 466
<212> DNA
<213> Mus musculus

<400> 1395
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aaatcctaat ggacaggacc cagacctgca cgggcagcag cctttctccc cctaagatcg 120

gccacctgaa ctccaagctg ttcctgaacg aggtggccaa gaaggagaag cagttgcgga 180

agatgctaga aggtcccttc agcacaccgg tgcccttcct acagagcgta cccctgtacc 240

cttgtggtgt gaacagctct ggggccgaaa agcgcaagca ctcgacagcc ttccctgagg 300

ctagcttcct ggagacttcg tcaggcccag tgggcggcca gtacggggca gcgggcacag 360

ccagcagcga ggggcagtct gggcagcccc tgggtccctg cagctccacg cagcacttgg 420

tggctctgcc aggcggtacc cagccagtac actcgagtcc cgtgtt 466

<210> 1396
<211> 547
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (495)..(495)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (502)..(502)
<223> n is a, c, g, or t

<400> 1396
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gaaagcatcg cagagcgtca gacagtggca ccagcaggag tgtggccagc tccgccgctg 120

tctgtcccct ctgtgtccgt ctctctgtgt ccgtctgtct ttctgcgtct gcctctctct 180

gtgtgtctct ccgtgtcttt gtctcctgcc gtttccctga ctctccggcg tctctgtctt 240

tgtaaagtcc acatgatctc tctgtcatca gagaaaccta gttggtagct tttnttttcc 300

atgaagaact tttggagatt ttgttttgtt ttgttggcaa acaangctac ttagaaatgg 360

acaaagaaga ctgtggggtt ctccccattc ctcatgagta agggaagaaa ctgtgatttt 420

tctatccaga gttgctgtat cncccancca nccccagggg catcagcgag cacacagcag 480

gaagataatg agagncaaac tncaatttcc caactttaag aagcagcttt tgtttcaggt 540

tttactc 547

<210> 1397
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<400> 1397
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caggctaagg aagctcnccn tgtcctctaa gaggtcctgg agagagccag tcaaagcaga 120

ggaaaggttt ccatttggca aagccataga aaaggacagc tgtgaagaca taggagtaga 180

agaggccagt gaactcagca agctcaatgt ctcaaagagt gtgtgaggca gcgccgagag 240

ctgccaaggt gctctgcgtg tccaaacaca gtaacatctg tgtcgatagg ctgttgtgct 300

atctagcacc tcagtttctg tccccagatg tggtgtcacg tggtcatttc agcccgnatn 360

ctctgtgtgg agcnacagtt attcagggtt catttccacc catttcggtt ttcctttact 420

tgcgttcctg gaagcctttt cctggaagcc tgcccccagc ccagccaggg gatccagtca 480

gcagcgtgga gggattcaag tgccttca 508

<210> 1398
<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<400> 1398
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attcctgagg gctgataaga caaccctgtc tcagggtcct gaggctggca cccagatagg 120

caaggtcacc ttgacactgg taccatggta accttggctc tttagggctg gtgcagcctc 180

ctctccacac cccaccactt tcccagccct gtctacctga ncctggcact ggcctccaca 240

gaaagggtgg gaagggagtc cgcactgcag cctaagctgg agagaggtga gattgcagca 300

ggtttgatcc tgagagcctc atcctacatc cctagagaag gcacccttcc tctgtactcc 360

tctcatggtg tagggtctct ccaacatttg gctgaa 396

<210> 1399
<211> 401
<212> DNA
<213> Mus musculus

<400> 1399
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agaaaagacg tagcttaatc tggcagaatc agagtcttct aatccgtgaa cccaattcat 120

atcccagaac aaaaggatac attaaggtgc aagctctctg taactctgtc atgataaggt 180

gctttccatt gtagctactt gtctagagta cacacttggc aaggaggacc agtcctgatt 240

taagctctgt cccacactga ttccttgaac tacgtaccat gcatgataac tgaaaagtta 300

gctgctctat tcctcggggt tattcctctg agtgttgtga aatattttcc agaatgccat 360

gactgcttgt caaatgaaat gcctccctgt aattcgaatg c 401

<210> 1400
<211> 290
<212> DNA
<213> Mus musculus

<400> 1400
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tacactagta aagcccccgc tgcacctctg taatatgacc gtgtgataga acgaaaggac 120

tcctgccctg ctgtatccca gatctggagt tttatctgtt tcccatcaat cgttatcatc 180

cgagcaccaa actctacacc aattgtgagg tcatgcaccg gctgaaacct cttgtctgta 240

aactgtagca ataagcacga tttaccaaca cctgtgtcgc cgatgatgat 290

<210> 1401
<211> 441
<212> DNA
<213> Mus musculus

<400> 1401
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tttgtaaagg gctgggtatc agatgtctta tgctcggtga acagatgaat tctgccatct 120

gagtaggcag gcaggtgtat ccgtggttga tggacctgct tgccaaggcc cctaggctac 180

acactaactc tgctggaaga caccatttgc tttaggatta tcgaatttcc atgatactta 240

atatagaaag ttagttgaac taatcatggt caactgcatt ctctttccta ggtgcttagt 300

caacaaagag aggcctgtgt aaaacaattc agccagagaa acatttcagt tgttttcaaa 360

attgttgtat ggttgcatgt ctgtcttagt gtacacatac caacacacgt taacagacac 420

tcgagagcag gccaggattg a 441

<210> 1402
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<400> 1402
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ttcgctcagc tgtgcagaga gggacctcga caccagagta caatgtaaaa ggcatcttct 120

atcgcaagaa gctggctcag cctatcaccg tgcaggtttg gaatcaccga gtcctgaagg 180

atgaattcct gggccaggtg cacctgaaga ctgccccgga tgacctgcag gacctccaca 240

ccctccatct ccaggaccgc agtagccggc agcccagtga cctgccaggc attgtagctg 300

tgcgagtcct ctgcagtgcc tctctcacgg ctgtctgacc ccagcctgcc tgtcctgccc 360

cactagtcct caccactact cgcatgtccc caccttgcct gggaccagcc tgggaaccag 420

acacnggggc cctttcctca ctcttccact gacccactgt gtgacctgaa gagagccctg 480

ccctctctga gcctcagtgt ttggagggcc ccaa 514

<210> 1403
<211> 323
<212> DNA
<213> Mus musculus

<400> 1403
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gagagtaagg ccaagagaac taaagctgtg aggcccctca agttgcccag acccaatgcc 120

cgggtgaagc cagggcatgt ttgcagtgtg gctggctggg ggagaacatc catcaatgca 180

acacaaagat cttcctgcct acgagaggct caactgatca tccagaagga taaggaatgc 240

aaaaaatact tctataagta tttcaagacc atgcagattt gtgctggaga cccaaagaaa 300

atacagtcta cttacagtgg tga 323

<210> 1404
<211> 535
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (415)..(415)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (490)..(490)
<223> n is a, c, g, or t

<400> 1404
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ggcgccatgc tggagagttg gtactagttc ctccctggat ttatactgga ggtatttatc 120

cnagtgtggn tatcaacccc cacatcctcc tctctagtaa tgtacaaggg cccctcctct 180

ctgaacagcc tcntacctct ctctcccanc tgagcctggc tctacaaccc gtccatgcac 240

tggccagggg ggaacagagg ctgtgagcct cctcagctca ccttgcacgt gttagaacat 300

gttcgtgccc accaagctag ctcactctgt gactctgtcg tctctctctc cctcccaccg 360

tggcctcttg tatttgggga cctcaggagg aggaggagga ggaggaccct nccgncccct 420

gccatggtcc acactcaatc ccagcccgtt gctgtccctc tgtctccccc actccccacc 480

cccagccatn ctagttttta agttttcttc ttttcctttg attaaacgtg acagc 535

<210> 1405
<211> 400
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<400> 1405
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tgttgctttt ccagaggatc caggttcaat tcccaggatc cacatggtga ctcccaacct 120

tatctataac tctgcttcca ggggatctga tgtcttctct gaccaagacc tccttgagca 180

ccaggtacac acgtgaacac ctccatagat gcaggcaaaa caatcataca cataaagaaa 240

tcttcctttt tacatcagaa gtgcaaacct aggactctag atggagtcng tggtagaagg 300

cttgcttagc atacctgagg gcttggattc tacctccagc accaccaaaa caaaggagaa 360

aacacaaacc tggcagctgc tctgtatcca gaaacaggta 400

<210> 1406
<211> 470

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

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<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<400> 1406
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ttccctgtga nccgtccntc ctctgttggt tctctctccc nccatcttgt cctcccctct 120

gtttttcatg acaagcatac agacttgaac acccctgggt gctgtcaaga actgtgaagt 180

ccatggtcat ccaaatntac caaaaaaang aagtcaccct ccatgtntaa aaaaactgtc 240

gcttctcctc ggaaacttga gactccacca gcttccagat acagtagctg ttttctttag 300

tctttgatgg aaatnttntg aaggaaccgc cctcgctggg ctcctggtac accagaggtc 360

aaggccggtg gggttttctt tttttaattg gttgttgaga agtttcagaa gttcgttttc 420

cagctgtggt catttcagac acatctgcac cataactcac acatttcaat 470

<210> 1407
<211> 448
<212> DNA
<213> Mus musculus

<400> 1407
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gtggtcagca ctatgacttc ccgagttacc ggagtgtcgt gcacgaggtg acccaggcct 120

tcgccgctgc ctcgcgggag gtattggcag tggaagcaga gttggcaggg cctcgagcgc 180

aaccggtgct cgcccgccac gtgcgcagcc tgcaggagct agaacagacg cgcctggcca 240

cggtggcact gttgcaggtg atggggacac caggagtgtc agaacaggac cctgaaaagt 300

tgcaccagct gaaaataaag gtaattaaaa ccatggaggc gatcggcgag gttctgcagg 360

aactcaggtt tgatgcggaa tctgccgagt gagggcggct ccccagggac cagaggaagc 420

cgggaaaaga ggcccatggc gtcgagcc 448

<210> 1408
<211> 494
<212> DNA
<213> Mus musculus

<400> 1408
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gcttcatcga acaagtcgcc gtgtctatga catagatcta ccctgactct tatttgcttg 120

ggggaaggag tgactggagg aggaacctag gaagggaacc aaggaggctg gcccttgctc 180

cctgactctt tcagtgacca ccacctccct atgcagaagg gatgtcaatg tcaacagcag 240

ggactgagac ctttctctgt gccactctcc tcactggggc tctgccatgt tacactaatt 300

tgaataagct ctccctttt ctgtagagtt cccagcctca gtaatgttcc aggctgcttc 360

ttgttccttt tctacccttt ctagttcatt ttccaaggta gctgtgataa agcatgacat 420

aaaagcccaa ttcagatcct actaataaaa caagctccaa tgtattatgg aaacatgtgc 480

ttttacgcct ccaa 494

<210> 1409
<211> 401
<212> DNA
<213> Mus musculus

<400> 1409
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gctggaagat ggccggactt tgtctgacta caacattcaa aaggagtcca cccttcatct 120

ggtgttgaga cttcggggtg gtgctaagaa aaggaagaag aagtcttaca ccactcccaa 180

gaagaacaag cataagagga agaaggttaa gttggctgtg ctgaaatact ataaggtgga 240

tgaaaatggc aaaattagcc gacttcgtcg agagtgtcct tctgatgaat gtggtgctgg 300

agttttcatg ggaagccact ttgacaggca ttactgtggc aagtgttgtc tgacttactg 360

cttcaacaaa ccagaagaca agtagttgtg tatgcgttaa t 401

<210> 1410
<211> 280
<212> DNA
<213> Mus musculus

<400> 1410
gggattcccc agtgaacaaa ctgctctatg cccgggagat ccctcgctac aagcagatgg 60

tggagaagta ctatgcggac attcgccaga gctctccagc aagctatcaa gagatgaact 120

cagctctggc tgaactctct gggaattatt cctctgctcc ccactgcctg gaggctcttc 180

gagaacttta caaccacatc cacaggtatt atgaccagat tatcagtgcc ctggaggagg 240

accctgtggc ccagaagatg cagctggctt gccgcctgca 280

<210> 1411
<211> 421
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<400> 1411
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attccagcaa aagcatggtg cctttaaccc aaaggcctgg aancccgaca tcacagattc 120

tccctcttcg tgcctttccc gacctctttg gaggcagaaa tcgcctgtgg gtccctagtt 180

ccagatgtcg aaccacatcg aggactggta gggaaggagc ttaaagtgag cggctgcatg 240

ctggaggtac gctggatcgc ggaagattct cgcctcctcc gactttccat catcaacttt 300

cttgaccagc tttccctagt ggtgaacacc atacagctct ttgggccccc agtttcctgt 360

taagcctggc tggggaccca tgtctgacct tatctccgtc tcctcctaag caatacaatt 420

t 421

<210> 1412
<211> 239
<212> DNA
<213> Mus musculus

<400> 1412
agaaggcatt ggctcttgtg gctgtggcag cgcccctgac gttggaaaca cctgtatgaa 60

ggccttcgat atcattctcc ttggtgcaag gccacatggg acacaaatcc taatgagatg 120

ttgcagtaga taatttctca ttaaaattct tatttaatgg ccttttgaaa ttactgtagg 180

ggcataaaat tgggtcttga tatattttat taaatgctgt atcccttatt cccaaaaga 239

<210> 1413
<211> 380
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
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<222> (308)..(308)
<223> n is a, c, g, or t

<220>
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<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<400> 1413
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tgcgtagtgc tcagaaatgt agataaatag tgttttanga tattggtggg gcnnagttcc 120

catgccgcgg tcattcctgt actctgttat gcccagggta gcntcttcct nttggggata 180

gctaatcagt gcacactgac cgaggcattg ncttgtatgt tagctaaggg ggaagcantc 240

ttttgaatca aatgatcttt gctcgtagtt tgacaaagat aacattttta ctcatatgta 300

agaacgcnca gtctcattat ntctggttat accatntntt tntggtatcc ctgggagacc 360

tgctcttttc ggaaatgaaa 380

<210> 1414
<211> 554
<212> DNA
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<400> 1414

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ggaactgaac ccggggctta gagcatcttc agcaagcctc taccgaccaa tctatgtccc 120

cagtgtgctc tcttctgtcc tactgggtaa tggggctgag tttattcaag cccctgggca 180

agagggctgg agctgcccgg gacacctagg ctctggtgtg gggaccaggc agagccttta 240

tgaagaggac ccctgagcct ctgtacatgg agagacttgc cctgggcctc cagatctcac 300

caacctcacg tcagcacaag cagagaaacc tgacatgtga cgcctcagga aaaagccatg 360

agaaacagca gggcctgcgc cttgcctgtc acctcagtga caatgtccct taagtgacct 420

ggacccgcta tttttcccct agttccctga gtactagtaa aattgccatc tgtacctgaa 480

aatgaagact tcacagccat tgtactctgg tcctaggaat gggtgcccag agacctgtgc 540

ctctgtaaca caaa 554

<210> 1415
<211> 473
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 1415
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agccgcctcc cggggctgga ggcaccaggt cctgcgccag gccctaaatt ataccagcac 120

taccatcacc agcagcagca acagcagcag cagcagcagg tagtagctgg ggccatgctt 180

ggtgtcactg aggaccagcc ccaaggccac ctngcaacgc tactctacac agatccacag 240

cttcagagan ggggagctag cacgcgcttc gggctccggg gcaggttggc agtgaggagc 300

ctgcctgctc ttctcagctg ttgtccctct gtgctgcaag ctccagactg gtaatgacac 360

tagtgaggtc cctgaggggg ttttgttgtt gacataagcc ctctcatggc ccaagctggc 420

cttgaanctc cntgnatcnc tcctcaccgt ccatcttctc tagggcttgg gat 473

<210> 1416
<211> 436
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (195)..(195)
<223> n is a, c, g, or t

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<222> (260)..(260)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (411)..(411)
<223> n is a, c, g, or t

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tgcncaccga tgtgtaagan nagagggggt gttggngtgg ccacctgtga tggtttcctg 120

tatgcagtgg gtggccatga tgctcctgct tcaaaccact gttccaggct cctggactac 180

gtggaaaggt atganccaaa aacagataca tggaccatgg tggctccttt gagtatgcct 240

agagatgctg ttggtgtctn tctccttggt gacaggctat atgctgttgg gggctatgat 300

gggcagactt acctcaacac catggagtcc tatgatccac naactaatga gtggacacag 360

atggcttcat tgaatattgg gagagcaggt gcctgtgtgg ttntcatcaa ncaaccttga 420

ctgatttata taatgt 436

<210> 1417
<211> 559
<212> DNA
<213> Mus musculus

<400> 1417
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cctgctctac tttgatggcc tccgaaagct ggtcttcatc aaaaagaaga gggatagccc 120

cgacagtgag aagtcttccc gggcagcctc agcctcttg gccaacctct ggcagtacag 180

caagctccac cgtgacttcc gggcgaaagg ctaccggaaa gaggacttcc tgggtccata 240

ggtgaagcct cctggagatg aagtgattca gcttccaaga gataggctca gctcctgctg 300

tcccacagca catagaagag gagctgatgc cacaggacct ctctctctct ctctctctcc 360

tctctggagt cctgtgtgtg tgcccttgag gggccagggc caccagaaaa gaacaggcgc 420

ttgcaactgg ggattgattg gcttctgcag ggcagggaaa gggggtagag cttgagctgc 480

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agctttgtga cggcaacat 559

<210> 1418
<211> 510
<212> DNA
<213> Mus musculus

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<222> (80)..(80)
<223> n is a, c, g, or t

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<222> (86)..(87)
<223> n is a, c, g, or t

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<222> (103)..(104)
<223> n is a, c, g, or t

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aggattttct ttctttttcn ttttcnntct ttttttttt ttnnagggga aattaatgga 120

gggacagaag aggaaccacc gaagtgtggg tgttctgata agctactttc taagtgccat 180

gtttaggacc tgatcattcc aagtttcacg ttcatgtatg actgccgctc ctttctttca 240

aggacagtgt tttttgtagt aaaatcactg gtttattcaa agctttagtt aggggtgagt 300

gaagctacta aaccccatgt tggctgctgc tgtggaaatg ctgtgctttg agagtaaaca 360

cacacacaca cacacacaca ctttttgttt taaagaattt ttaaaaaaac gagttagtca 420

tgagactttt tcatctttcc agggaacata ttgattggtc ttaaatatta gacagttaag 480

taaatggtgg ctggaacatc tatttttcta 510

<210> 1419
<211> 419
<212> DNA
<213> Mus musculus

<400> 1419
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gatttgttgg agaccaacag tcattttctg atttttgtga agattggtgt ttatggagac 120

cttgccagct aaatccatga cagtgtctat ttaaatagtg caatcaagaa taccctgaaa 180

taaatgcaac ccaaagttga aatgtgccag gatgcccctt ttctacccag gagatatctt 240

atatttggaa aatgtctgcc tctccaaata aatatgtgat taataagcca tatcacagtt 300

taagaaattg tatatatgcc cctccaaaaa ccaagtattt tgcatatgat tgattttaga 360

aagattttga agctggggtt tatctgtgta atgaagacca gattctttgt atatgtact 419

<210> 1420
<211> 526
<212> DNA
<213> Mus musculus

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<222> (101)..(101)
<223> n is a, c, g, or t

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<222> (108)..(109)
<223> n is a, c, g, or t

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<222> (153)..(153)
<223> n is a, c, g, or t

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<222> (159)..(159)
<223> n is a, c, g, or t

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<222> (169)..(169)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<220>
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<222> (467)..(467)
<223> n is a, c, g, or t

<400> 1420
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atatatatat atatatatat atatatatat atatatatat ncaaaaannc acattatatg 120

taactccaca atgtcttctg tttagtgtat ggnaaaagnt gtccaaacnt ccacctgggn 180

ccagcacagt ggccagcgtg ttctcaggct gcctgctgag gaccgatggt ggatttctct 240

ctttgcctta aacctcttta tttcactgcn ccaacacttt ctctttgtac atattcgtnc 300

caaccttctg aaaaggaagc tataaaaaca gaagttgtaa tttaagagtc tgtgaataac 360

catnctgctg cttgggggtc gntggaacac atncctttna gcaggaanca aatctgtcct 420

tttttaagtt tataaaatgt ncattttaca gtatcaaata tttatantct tatgagaaat 480

gggtgaatgt tccctactta aaactgtggt tatcaaaatt gtgacc 526

<210> 1421
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<400> 1421
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cttaccttat aaaggggata aaaactggct caccacatgc ctgaggtctg gttccacttc 120

acatacagtg gaattgcctg catttggcat caacccattg tctgcagagg atatgttttg 180

aagcaaagac tgcctctggg ctttgagagg ttctgcattc taagtatgat taacactaaa 240

ccagaaactt ggttctgaac ttgtttgtga tactcaaagt aaaagaattt tagattcaga 300

gtctcctgag agaaattacg tgtgaacacc aacccaaaga aaaattcagt ctantctttc 360

aaagtttact atattttatc aaaacatatt tctttaatca caaaatcata tgcaatatga 420

gtgaacaata tggaagaaat ttntcaatgc taatattttg tgtcatggca ttttggaatg 480

tccctgcata tagttttaa 499

<210> 1422
<211> 545
<212> DNA
<213> Mus musculus

<400> 1422
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caagcactta aaaagtttgg atcttggtaa caacgccctg ggtgacaaag gagtcataac 120

cctgtgtgag ggactgaagc aaagtagcag ctccctgagg agacttgggt tgggggcatg 180

taagttgact tccaattgct gtgaggcatt gtcattggcc atctcttgca accctcacct 240

gaacagccta aacctggtga agaatgactt cagtacatcg gggatgttga agctgtgctc 300

tgcgttccaa tgccctgtct ctaacctggg gataattggc ctgtggaagc aggagtacta 360

tgcccgagtg agaagacagc tggaggaagt tgagtttgtc aagccccacg tggtgattga 420

tggtgattgg tatgctagtg atgaagatga ccgaaactgg tggaaaaact gaagacatga 480

gccccctctc cttcacgtcc tagcactgca gtatctgtga aatgtttgtc tcaccttgga 540

ggatg 545

<210> 1423
<211> 399

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

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tatttagcag ctcactgaag ttcgtcccta aaggcaaaga agctgctgcc tcccaggggc 120

actaggacat ggactgcgaa tggncctgcc ccctgccccc tgccccctgt cccctgccaa 180

ccgctccagc ctcagtcacc gaatgatctg ctctggtcaa atccttctat gccagccagg 240

gtggtgatga cccgtgacct tttgaggagg ggagtaggct gataccggga actctttgga 300

tccttgcctt ctggcagaga aaacaaaact ccgtttcata atctgcaaac tcatcttgcc 360

tcactctagc ttggggaagt gacagttgtt gccccatta 399

<210> 1424
<211> 508
<212> DNA
<213> Mus musculus

<400> 1424
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aaacagaagc catgggcatg gggaatgctt ctctgcagga gactcaggag tagttagcct 120

ccagagcttt atccccctgt cctcccaggg aggagtggcc atggctttgg ttttgcttgt 180

tcttatttat gggtctcatg ctgtagacca ggctggtcct gaactcacaa agatccacct 240

gcctgtgcct cctagtgctg gaattagagg catacatcat tatgtctggc tgacgttctt 300

gcctgctaca tggtgcagtt ataggttgca ccaccatact ctgatgcagt gctagggatg 360

gagcccagga cttcctgcat gctaggcaaa cattctacca actgggcctt ggccccgtcc 420

tggtctctgt ttccgtgtgc tgattctgct cctggctcca cgctagcaat tctgaagcaa 480

cagtgaatca actctggtct ggcactgc 508

<210> 1425
<211> 500

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (149)..(155)
<223> n is a, c, g, or t

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tagacccagt gtcagcatca tggccgttgc ccagggacac tggggctgtg gggaaggact 120

gggggaaggc actagtgggc aacccagtnn nnnnnccgtc atgggagcag gagtccttcc 180

tgtgaattag ggatgggctg tgggttgtga ctgctttctc tacaaagctt gagacgtagc 240

ccctaggacc ctgggttcta tttctattca ctgaccagac tcccctaaac actatctgac 300

atttcatggt ccaggtgaca gatgctctgt gtcacacacc cctgactctg tatgggggt 360

ggagtgtact ccttcagccc ccacagccag aatcacttct gcagccttcc tgagctcagc 420

accctccctg actgtgtatg acctacagtg cctggttcag atgtatttct agccctgcca 480

gtggctgtct ttgtacagat 500

<210> 1426
<211> 491
<212> DNA
<213> Mus musculus

<400> 1426
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ctaggcacgt gctccaggga tgtcattcta gtagaggcag gaggatcgga agtttggagt 120

caccttgag tactacctag gaagtttgag gctagcctgg agctataaga ggctgacacg 180

gggcgggggt gggaggaagg cctgtcaaag actctatgga ccagtccatt cccaagcaga 240

gtcgtggaga tcctgcccgt agttagctaa gaccggtcct gacgttttgt gtcaactaaa 300

tcgcgtctga ctgtatcttg gacttagtct cggcttcctg ttgctagaag aggctccttc 360

acttctactc tgaacaccca cagaggaagc caccctgtgg ttttcttaca actggggatt 420

tggctggtgg aatggctcat ctgaagacac tgccaccaag cctgatgacc tgagttagac 480

ctcgggatcc a 491

<210> 1427
<211> 502
<212> DNA

<213> Mus musculus

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<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(236)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (239)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(253)
<223> n is a, c, g, or t

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<222> (255)..(255)
<223> n is a, c, g, or t

<220>
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<222> (257)..(281)
<223> n is a, c, g, or t

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<222> (283)..(284)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

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ctggcagtgt ccaaaggcag aggtcagaga acgaagccgc agcaggggtg ggaaagtgtg 120

aaagggagga gagtactggg cacagggtca gaaagcaatg cacaggcatc aaaactcacc 180

gtagcaatct acaaggattt acataagatt tcagggctgg caccctgtgc ncngnnctnn 240

nnnnctnnnn nnngnannnn nnnnnnnnnn nnnnnnnnnn ntnncnanct ccccagagtc 300

atcctctaac cttactcaga cacccagatg tgagccagtc ccctcccacc atgactattt 360

gcctttacac agaaagtcca tgtctggcac atgtttcagg atgaattaaa tgctgacagt 420

gactgagtga gagccaggca gctctgcttt agtgggttag ctctttggag gtaaggggtc 480

tgtcacatgc tccttagagt ta 502

<210> 1428
<211> 379
<212> DNA
<213> Mus musculus

<400> 1428
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aatatatgct tgttggaaca cacagccttt cagaataaat actggtattt gttgttgctg 120

tacaattgaa atcaggcatt caccatacaa tgaaagcacc aagaatcaac agaacaggga 180

aagcggccgc ttgtcccttc ctgttcattt ttttcatgga aagagagaat gcctttgagt 240

ggagggtacg acaccacagg tcacactgtg gtgactgctg cctcaccggg agaagagagt 300

acctctgaga caaatggact gtgctttaaa acaaaaacag caaaatggga ggatgagtgc 360

taactctttt caggagcat 379

<210> 1429
<211> 531
<212> DNA
<213> Mus musculus

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<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

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<222> (365)..(365)
<223> n is a, c, g, or t

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<222> (374)..(374)
<223> n is a, c, g, or t

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<222> (473)..(475)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (483)..(483)
<223> n is a, c, g, or t

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ttcagcatgg actgttgtct gaatcaggtc cccaaagtac atggggtgca cagtcgctcg 120

gaatggagaa cctcaggcga ggcggtcnaa aggccaggac ttctcaccaa gctgtgctct 180

cagaagtgca caggactgct agtgactgac tggtgagatg aaagcctaca agacatggcc 240

tggggtcacg cactgccaag naggctgacg ggaggcccag gtagcccaag gatggcaagg 300

atacagagtg acctagcaca ggggagcttc agtccccagg aggtacagnc accgtgacaa 360

ctccncaacc cacngccacc tcagaaggtg aagtttttga ttcgatcaca actattagca 420

aaacaaaccc tgtcagtttt aaactgtttt tctgacctaa gactttacta gannntnana 480

cantggagat tttaacaggt gtatttatta ctgttcagca ctggatggca a 531

<210> 1430
<211> 464
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 1430
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ggtcgccatt tatgtcggta gtgtcatagt ctgcagcagt gaatagcgtc attcttcagg 120

tggtctaggg agcgcgaaga gctttttgt acttttacc tccaataatg ggaaaatgaa 180

gcttttaggt attggtcaaa agatctgatt tgagagtttt gggtttttt tttnaagtgc 240

ngtaggaaat ggattatcta ttacaacnta acttcttcaa ttatggaatt tttatcctag 300

tagaattctn tcttaaatgt aatactacaa gtgggtacat tcccccnaac tgattataga 360

taagtttaat catctcaact tgctaacatg ttttcatttt tcctgtaaat acgtttattt 420

tttatttata aaaattctga aatcaatcca tttgggttgg tggt 464

<210> 1431
<211> 575
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (202)..(202)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
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<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<400> 1431
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gtccccttcc ttagcttttc ggtcctcctc ctccttaaga aagaagaata accccgggga 120

gaaagagctt ccaccttggc gatcgtcaga taagcatccc actgacatca tccgctttaa 180

ttatctagac aactgtgacc cngagctctt caggctagga agaagaaaaa gaagcgaagt 240

gaccccagac ttcaagcgcc agctgcgaga taagaaaaat aagcttcaag acagagccag 300

gctcaggaaa gcacagtcat tgatctccct gagttcccct ccaaaagttc cagttcgtct 360

ngcctggcct ctgcatctgc cagtggcacc ctcagaccnt gaancagcaa cggaagcant 420

cctggagcat nttcagaaac accccgggct tcagtcaccc tcaccgaggc tccagagtca 480

aagctgatta aaggattgga aaaggacttt ttctagaaac gacaaggtgt tcttcacagc 540

tgagagttgg attctagcta gtccctccat taaac 575

<210> 1432
<211> 447
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (348)..(348)
<223> n is a, c, g, or t

<400> 1432
gcggttcgtg cagattttta ttccagatga acatgtttta aaagtgcctg aaatcgcctg 60

ccacgggaat gtgattctgc ggcagaaaca aaagacagag catttcttgc agcaaatgag 120

atcctctgtg aatctgaatg tcaaaaaacc aacactgctt ttaatcctct ctgactgttt 180

aatgccagct ttgtgttctg aaccgaggtt tgcataagta gagtggaaat ccttctgaag 240

ggcgggaact ctgtcaggct gagctctgta aagccctcaa gaaaccctcc agaacactta 300

gcagttgggg tgctgatttt cttgtgcttt tgaaaactta agtcattnct ccgtttcctg 360

catcacttct tgagtagtga agtcacgtct ccattcaaat ccaccctcaa gcatcggcca 420

tgggaacttc tgattctggt tgctttt 447

<210> 1433
<211> 489
<212> DNA
<213> Mus musculus

<220>
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<222> (232)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
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<222> (247)..(249)
<223> n is a, c, g, or t

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<222> (251)..(256)
<223> n is a, c, g, or t

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<222> (258)..(261)
<223> n is a, c, g, or t

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<222> (263)..(266)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (277)..(277)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (286)..(286)
<223> n is a, c, g, or t

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<222> (290)..(290)
<223> n is a, c, g, or t

<220>
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<222> (299)..(299)
<223> n is a, c, g, or t

<220>
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<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
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<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(321)
<223> n is a, c, g, or t

<220>
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<222> (332)..(332)
<223> n is a, c, g, or t

<220>
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<222> (335)..(335)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
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<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<400> 1433
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gcagatgctg agcagagttc tgaactaggt acccacaggc ctcaccttca cattgcctat 120

gcctccatgg agacctcagc ccagtcaaca ggaatcccac cgtggtgcct ctgggctgat 180

gcacccccct agcctgtctt catttaaagc aagcaagtct tcaccttctc cnnctgntga 240

cacacannnc nnnnnntnnn ngnnnnagnn gnncaancct nnnncntctn ccatgctant 300

gancccaggn ccttganctn natttaagca gncanccgtg tacagtggag gtanntctgg 360

nacattcctt ccatttncct tgtagncgga ngncctgtgc agnccttccn nacctngctt 420

tntttgttgc tctacatgtg ccccacgggn ttcactcagt acgggatttc cccaaatctg 480

gcctgttat 489

<210> 1434
<211> 326
<212> DNA
<213> Mus musculus

<400> 1434
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ctggcgttcg agcgcagggc ctttcgtggg gagcagtttg ttctggagaa gggggactac 120

cctcgctggg atgcctggtc cagcagccga cgtagtgaca ttctcctgtc cctccgtcct 180

ttgcacattg atggcccaga ccacaagctg cacctgtttg agaacccagc cttcagtggg 240

cgcaagatgg agatcgtaga tgacgatgtg cccagcctgt gggcccatgg tttccaggac 300

cgtgtggcca gcatccgtgt catcaa 326

<210> 1435
<211> 324
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<400> 1435
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cctaatgagg actgtgtcaa agcccacata gagaaggtga cagatgttat gttgtgtgca 120

ggagatatgg atggaggcaa agacacttgt atgggtngan tcanggaggc ccactgatnt 180

gtgatggtgt tntccacggt atcacatcat ggggccctag cccttgcggt aaacccaatg 240

tgccaggtat ntacaccaaa cttattaagt ttaantnttg gataaaagac actatagcta 300

aaaatgcctg aatatcacat tgtc 324

<210> 1436
<211> 327
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (157)..(157)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
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<222> (179)..(179)
<223> n is a, c, g, or t

<220>
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<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<400> 1436
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cctaatgagg actgtgtcaa agcccacata gagaaggtga cagatgttat gttgtgtgca 120

ggagatatgg atggaggcaa agacacttgt atgggtngan tcanggaggc ccactgatnt 180

gtgatggtgt tntccacggt atcacatcat ggggccctag cccttgcggt aaacccaatg 240

tgccaggtat ntacaccaaa cttattaagt ttaantnttg gataaaagac actatagcta 300

aaaatgcctg aatatcacat tgtccca 327

<210> 1437
<211> 376
<212> DNA
<213> Mus musculus

<400> 1437

gattggtcaa ggctacctca tcaaggatgg caaactgatc aagaacaatg catctactga 60

ctatgacttg tctgacaaga gcatcaaccc actgggtggc tttgtgcatt atggtgaggt 120

gaccaatgac ttcatcatgc tcaaaggctg tgtggtgggg accaagaagc gagtacttac 180

tcttcgtaag tccttgctgg ttcagaccaa acgtcgggcc ctggagaaga ttgacctgaa 240

gttcattgac accacctcca aatttggcca tggtcgcttc cagaccatgg aggagaagaa 300

agcatttatg ggaccactca agaaagatcg cattgccaag gaggaaggag cttgattcca 360

ggaccacttt gtgcag 376

<210> 1438
<211> 421
<212> DNA
<213> Mus musculus

<400> 1438
agagccttcc taagccatgg tggtttgaac agtatatttg aaactatgta tcatggtgtc 60

cctgtagtgg gaatcccact gtttggagac cattatgata ctatgactag agtacaggca 120

aaaggcatgg ggatcttgtt agaatggaat acagttactg aaggagagct gtatgatgcc 180

ctggtgaaag ttatcaataa tcccagttat cggcagaggg ctcagaagtt atcggaaatt 240

cacaaggatc aacccggcca ccctgtcaat cggactacct attggataga ctacattctt 300

cgccatgacg gagcccgtca cctccgttct gctgtccatc agatctcttt ctgccagtat 360

ttcctactgg atattgcctt tgtgcttctg cttggtgctg tcttgctcta cttcatattg 420

t 421

<210> 1439
<211> 336
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<400> 1439
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gtaattcccc tgaaggtact cgtagctaag ggggcagaat actgtttctg gtgaccacat 120

gtagtttatt tctttattct ttttaactta atagagtctt cagacttgtc aaaactatgc 180

aagcaaaata aataaataaa aataaaatga ataccttgaa taataagtag gatgttggtc 240

accaggtgcc tttcaaattt agaagctaat tgactttagg agctgacata nccaaaaagg 300

atacataata ggctactgaa atctgtcagg agtatt 336

<210> 1440
<211> 497
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<400> 1440
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gaaaggggct tttccagtcg tttttatggg aatagtttga cagccagggg ttagttttga 120

aagagaggca aaccttgtga catttcactt caaaaaacag cccggtggca tttttccagt 180

ctcagtgtga aattatcccc ctgaatgttg acctctctgg gagtggaatg ccagcaattc 240

atggcagcag ctaataggta aagccggtta tttatttgtc aatgttgtta tttaatgagc 300

tcttgcatgt gatttttttt nncaaaatgt taatttttt tatgttttga agcttttca 360

tgtacctaaa tatttcccaa tacgatttgt ggttggtcta gaaatatgna aatatctgtt 420

gtagatatgt aaaataaatg ttttactctc cgtatatatt gcacggttca ccatcatcat 480

tagcgtggtt ttctgta 497

<210> 1441
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<400> 1441
ttcccactgg ttctccgaat aaagccagat ttggtgctgt gtaatggacc aggaacatgc 60

gtccctatct gtgtgtccgc cctgcttctt gggatacttg gagtgaagaa agtgatcatc 120

gtctatgtcg agagcatctg ccgagtggag acgctatccc tgtcagggaa gatcctgagg 180

cacctctccg actacttcat tgttcagtgg cccactctca aggagaagta ccccaagtct 240

gtgtacctgg ggcgaattgt ttgacnaatg gcaaccctaa gtcttgagaa cattacaagt 300

accgataata tttactatat actatcttta ctataaagtt tttcaaaggn caaggaaata 360

tcaatggtaa agaatttaaa atgtacaaat aactcaatga agaaagacaa actttagcat 420

ataataccca tcaagtagct atgtctgcac acgaaa 456

<210> 1442
<211> 142
<212> DNA
<213> Mus musculus

<400> 1442
cctttgaccc ctaacattat ttgcattctc aaatgcagca agaaccctct atgcactttg 60

gctgtttctg ataggagtta tttaatgata tttgattttc ttagggcttt ttgtcgttat 120

ttggttatgt cttggttgtt tt 142

<210> 1443
<211> 547
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (487)..(487)
<223> n is a, c, g, or t

<400> 1443
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cttcacatga gtctttcaag aactataagg gaggtattta ccatgagcca aattgtagca 120

gtgatactgt gactcatgga gtcctcgtgg ttggttacgg atttaaggga attgagaccg 180

atggtaatca ctactggctg atcaagaata gctggggtaa acgatggggc attagaggct 240

acatgaagct cgccaaagac aagaacaacc actgtggaat tgcttcatat gctcantacc 300

ctactatttg agcaacctgn tggccacaag gaaggttttg gcacaagaca gcatttctag 360

gggagggcta tntgntantc agcgaccagc ctttgcttgg tatattcaag acttgtntcc 420

ctgaagagca accttgtaat gtgattntgg gacccttcaa ctattttgac atcatgaaca 480

ctattgntct aactaacgta tgtttattat tccttcaaaa aaatcagctt taccgattgt 540

gcaaata 547

<210> 1444
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (216)..(216)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

<400> 1444
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ttttaagcat aaaggtctaa tatattgctt ttatgaaatt aaacatttta gttaattgtg 120

ggaaggaagc atgaatgtag cagccaagca caaatcattt tgttaaccta tagtcatatc 180

aacttgagca gatatagaaa aagattttgt taactncaag aacatgaatt acataagttg 240

agttgggcaa aacattttaa gtgctttttg cctctactta ggagcctttt tctnaccaaa 300

acacttaaca atgcatttca aaataccttt cagctttcat tttgcttcag tgtctcacag 360

ttcaaggcag gcaagaaaac tcacagcttt tatcctagct gtagagacag gcagaggcag 420

gtggattcct aagagtttga gccagcttgg tttacatagt gagttccntg ccaggncctc 480

caccaaaata ttaaatcagt tcaagccagt gtg 513

<210> 1445
<211> 556
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (478)..(478)
<223> n is a, c, g, or t

<400> 1445
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tgcacactat aagcaagtga agaaacttaa caagctgatt gagtcagctg aagagctgat 120

ccgagatggc agatacacag atgcaaccag caaatatgaa tcagtcatga aaacagagcc 180

cagtgttgct gagtacacag tgcgctcgaa ggagaggatc tgccactgct tctctaagga 240

tgagaagccc gtggaagcca ttaggatatg ttctgaagtt ttacagatgg agcccgacaa 300

tgtgaatgct ctgaaagacc gagccgaggc ctacttaata gaggaaatgt acgatgaagc 360

cattcaggat tatgaagctg ntcaggagca caatgaaaat gaccagcaga ttcgggaagg 420

cttagagaaa gcccagcggt tactgaagca gtcacagaaa cgagattatt ataaaatntt 480

gggagtaaaa agaaatgcca aaaaacaaga aatcattaaa gcataccgaa agttagcact 540

gcagtggcat ccagat 556

<210> 1446
<211> 200
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<400> 1446
cactcctttt atttctcagc tctaaanact ttactctttc ttactgtgaa tagaagaaaa 60

cctgaaaaac atctcagtgg tttattaatg tgaatntgga tgntaacgtc ttaagttaaa 120

aatgtagtga gtgttaaaag tctgttttta aatagcagta tgcagatttg tcactggagt 180

tctgataatg aatggaatta 200

<210> 1447
<211> 242
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (71)..(71)
<223> n is a, c, g, or t

<400> 1447
gctgcaatag catgtcactg tgactttagg ccccatttca aaaataccaa acttaaacac 60

atccccaaaa ncgagtgtga gagaggatta cagataacta agtaaaaaat gtcagtggtc 120

accgttatct attcctgggt cagaagctgg catgtgccat gaaggcggca agctgtacta 180

ggtaactgtg actccgcagg ccctgtgggt gccgacctgc cttacagata cgtcctgggt 240

aa 242

<210> 1448
<211> 480
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<400> 1448
tgggacgtct ctgtgaagag ccaatatgca tactcccctg tttgaatggt gggcgctgtg 60

tggcccctta tcagtgtgac tgccccacag gctggactgg gtcccgctgt catacagcta 120

cttgtcagtc cccctgctta aatggcggga aatgcataag accaaaccga tgccattgtc 180

tctcagcctg gacaggacat gattgttcca ggaaaaggag agccgggctt tgatctcatg 240

ccccaccccc tntccctaag cagcatcatc tccttccggt agctcctggg actcccacca 300

agaaagacca ancgcggtgc tggggcttgt ttggttttat aagcttgagg ttgacttttt 360

aattttgtga tctattttgt taaatttttt tgtgacgtcc tttcttacat gtgtgcgttg 420

tttaaatatg cttgcatttt ctatataaaa tttatattaa acggacgcac ttcatcctca 480

<210> 1449
<211> 573
<212> DNA
<213> Mus musculus

<400> 1449
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ggaagggagg cacctgccac tcacctttca tgactctctc tgcttggtgc tttccttgct 120

atcgccagtg atgttggccc agctcaactg tgggagtgga aatctgtgac tctatagccc 180

ttggcctaag ggctccctca catcccctgg atagtggaca ccccattcac caagggtggg 240

gactggtctg aatgtccctg gtcggccctc tggcctcctg atgtcatggg aagaacaagg 300

aagagcccta ggccagggcg ataccttttcc cacctcccta cccaccacgg aagggagaaa 360

gcacacagct ctgaagcagg tgtctctgtg tggaaggttc taggttctta ttatgcagac 420

ctcggttgtt gagcatttgt gaagctggga gcctttgttt aaaagtgtgt gggaggtggg 480

gggcgaaatg acggcatggg ggaggaggaa gaggaggaag ccctcaccat ataaaattca 540

tgcagactaa acagtttctc tgacggcata aat 573

<210> 1450
<211> 392
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<400> 1450
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tccagatgtc cggaggcctt tcacccagcc tgcagggttc tctcgatagc cccgtgccct 120

tttccgagga agagctggac ttcttcacca gcacgctctg tgccatcgac ttgcagtttc 180

cctaactgtt ttccatcttt ggtcctttcc gtctggtcct ccttggctgt tgggggcggg 240

gggaatcggg ccttctccac tcgtggatac atttatgccg ttttgttaaa atccagatag 300

taacgaatna gcgtttcatt cactcctttt cgctttttaa aaccacacac aaaaaattcc 360

acttggtaaa actccttcca acgaaatctc ag 392

<210> 1451
<211> 514
<212> DNA
<213> Mus musculus

<400> 1451
gaagccattg ggtgattgat ccactgggtg cctgatggtc gtgatgttgg atgacacatg 60

tctggtcctt tggatgatgt gttggacatc ttgattgacc ttttgagtat gtgacagaac 120

acatcttctt tggctcattt tatcctggga tcgcctcttt tttttcctct tctttttctt 180

tttctttttc ttttttctt ttccttttt ctttttttt tctttttgg cagacttctt 240

ggttcagcag atgccaaatt ggccaccata tcacatggtg tctttttga cattctggat 300

gcatggaagg tcactgtatt ggcaaggtga catctcagca tgctgctatg caccaagata 360

gatggttacc acaggcctgc catcaccatc tccttggtgg aggttgggtg aggggaagag 420

gtgagcagac cctatgagtt ttctctgaag cccatcccca ccctgtctgt gagaaagggc 480

tagtgtgggt gtcgggagtt cctactgagg tcaa 514

<210> 1452
<211> 135
<212> DNA
<213> Mus musculus

<400> 1452
gatatgcctt tctgagttgg gagtaagttt agcatatatc ccattgtagg gaagactttc 60

tcttaaagca tattggtttt taaatattta ttacctagtg gtactgtggc ttgatcgtgt 120

cttcccaaac ctgtg 135

<210> 1453
<211> 584
<212> DNA
<213> Mus musculus

<400> 1453
tatctcatcg atacactccc aaagagcagc tgaagaagca cacgatcctt gcagacattg 60

taatatctgc cgctggcatt ccaaatctga tcacagctga catgatcaag gaaggagcag 120

cggtcatcga tgtgggaata aacagagttc aagatcctgt cactgcaaag cccaaattgg 180

ttggagatgt ggattttgaa ggagtcaaga agaaagctgg ttatatcact cccgtccctg 240

gtggtgtggg tcccatgacc gtggccatgc tcatgaagaa caccattatt gccgcaaaga 300

aagtgctaag accagaggag ctggaagtgt tcaagtccaa acagcgcgga gtcgccacca 360

actagcagca ctctgagcca gcccgagagg ctaagcaggc caagaggaat gcagtgtttt 420

taatttattc tgtcgaaatg gtttaaaatg tttgtattta ttgaaagctt aaacgggtgg 480

ctgtgtgcgc gcatggctct acagaacctc accaggatgc ccatcagttg tcctgccttt 540

gacctggtga tgcacaggag acgtcctcac accgagagtg gatg 584

<210> 1454
<211> 555
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<400> 1454
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agggctactt cagtgtctct actgacagaa actcctgtat ctcaaatgga tctcgaagtt 120

ctctagtaag gagtcctaag gatgacatgt attgggccac tagcagggat tgaaaacatt 180

ttaaaagaaa tccttttttct taggagtaaa agctggtaaa aggggtgact tcctggttct 240

gatcaaaacc agaccaaacc ctcatttcag caaagccttg caagacactc ccttgctcat 300

ttgccatatt tagatgtctt agtggagtca gagccctgtn ttggtatgtg tttttcatgc 360

taagtctaaa ttgtcttttc atttcatgat gcatttttttc tcttttgtca ggataacatc 420

atatagcatc ttgtttgttt ttcctaatct ctatgtacat atctatctac ctgtaaccgt 480

agataggtat ctagatagat accaagcttt taagctctgg gctactatgc atcattattg 540

ggtctctgcc ttaaa 555

<210> 1455
<211> 494
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<400> 1455

gaggatgctg atctctcgaa acctgcttca gcgactagct cccaagctgg agagcctcgc 60

ctggagtctg tgtngcagct ggaatcagtc ttgatgctcc tatgggctgc tcagttcaag 120

tgaatcatga agtagaccaa agggctgagc tcttctaaac agactgagct gtcagccacg 180

ctgctggttc tgagacaaga acagagttct tagcagaggc tagaagggct gctctgagga 240

gccatgccca aagaagacct gcacactgcc ttcctcattc tggaaagaca agcggtcaaa 300

gctgtggctt ggatccacac tatgggcatt ttggtgattc ttgtccttag ggtctgggta 360

cttgaatgaa gcttttcctg attaaacagg taaagtctgg ggaggccagg gcagtggaca 420

gatntgcccc ntttctggtt tctgttntgc actaggggta tgtcaggaca gtactcctgt 480

actcagatca tgat 494

<210> 1456
<211> 348
<212> DNA
<213> Mus musculus

<400> 1456
cacttcactt tgtaactgtc ctgaactgga gcccgggaat ggactagaac caaggacctt 60

tgcgtacaga aggcacggta tcagttggaa caaatcttca ttttggtatc caaactttta 120

ttcattttgg tgtattattt gtaaatgggc attggtatgt tataatgaag aaaagaacaa 180

cacaggctgt tggatcgcgg atctgtgttg ctcatgtggt tgtttaaagg aaaccatgat 240

cgacaagatt tgccatggat ttaagagttt tatcaagata tatcaaatac ttctccccat 300

ctgttcatag tttatggact gatgttccaa gtttgtatca ttcctttg 348

<210> 1457
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<400> 1457
aggtgcgcca agtggaaacc gcctgcgccc ctgccatgcg tctgcttgcc taccctcgaa 60

gtggggacga acgcgacagg aagaccgtca gggaagggga gacaccactg gagaccaagg 120

ccaattgggc tgtgtaatac cctgatccct gaaccctgcc ccggggcgta ttcaggtcag 180

tggccataaa aaggtgaact cagcatgctg cccccgcact ggagaggctg cacggtggag 240

gcgatctatc acactgtgag acactgggac tgatttggta tcaactgctg tgccattctc 300

ctggtcagga gcatcacaag ctgttaagta atgacagaca ccttggctga gatgaagttt 360

ccagaaagga agtaacagtg caatgtggat atttgtgacc acaacatagg aaaagctgta 420

cttcccaggc tgaacttggc tcagcttgan ccatttcaac aaggcatcct cacaataatg 480

aagagatgtg atctggtttc ctttcacatc agccaagat 519

<210> 1458
<211> 562
<212> DNA
<213> Mus musculus

<400> 1458
tttaccttcg gatcatactg ggagccaacg ccatctactg ccttgtaacc ttggtcttct 60

tctattcctc tgcctcattc tgggcctgga tggccctggg ctttagcttg gccgtgtacg 120

gggccagcta ccactctatg agctcgatgg ctcgggcatc cttctctgag gatgggtcct 180

tgatggatgg tggcatggac ctcaacatgg agcagggcat ggcagagcac cttaaggatg 240

tgatcctact gacagccatt gttcaggtgc tcagctgttt ctccctctac atctggtcct 300

tctggcttct ggctccaggc cgggcccttt acctttgtg ggtaaacgtg ctgggcccct 360

ggttcacagc agacagtgga gcccctgcac cagagctcaa tgagaaacga caacgccgac 420

aggagcggcg gcagatgaaa aggttatagc atccttaact gaggctgtag gctgctgggc 480

actggttggc tctgttatgc tgcgtggccc catgcctgga gcagtgaggg cctagtttaa 540

gggccaaagc agcctggatt at 562

<210> 1459
<211> 565
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (288)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (294)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (490)..(490)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (513)..(513)
<223> n is a, c, g, or t

<400> 1459
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atcaagcatg ttgtagaaga agacagtggc tactacctct gcaaggtcag caacgatgtg 120

ggcgcagacg tcagcaagtc catgtacctc acagtgaaaa ttcctgccat gataacctct 180

taccccaaca ccaccctggc cactcagggt caaaggaagg aaatgagctg cacagcccat 240

ggggagaagc ccatcattgt ccgctgggag aaagaggaca ggatcatnnn cncnnnnntn 300

ncccncnnnn tnntntccnc cnnnnnnntn ngagangann tnanatntac nctncagatt 360

tnnccnacan tgagagnaga ttccggtttn ttntcctncc atncnatcaa ttcntacggg 420

gaggaccntg gaataattca actcacagtn caagaacccc cagatcctcc cgagattgag 480

atcaaagatn tcaaagctcg caccatcacg ctnaggtgga ccatggggtt tgatggcaac 540

agccccatca caggctatga cattg 565

<210> 1460

<211> 563
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<400> 1460
aggctgaagc agacaagccc tcggcctgct ttccatggtg cggttgtagc ttctcttcta 60

cttgaagctc acctgggccc agctcaggaa agagccagag aagtcgcctc ttccaggcta 120

acaagccaga gcttgctgcc tcattcctgt ccatttctan ttcccccaag tactgtatca 180

cttgtggtac cctaagatgc cccaccccgt gcctttctag tccctaaaag tcaaacagtg 240

gaagatgcta agatggtgtt cctgcagact gcagtgttag agccttagtt acaccacatg 300

aagcctataa ttacactgag ttcaccgngg tgattgctga cagctgcccc ttgtcaacat 360

gcagtctttc ccttttgggg gtgtaaatga ttaaatacag tcttccctgt ttatttggtg 420

caatgaagta tggcaggtga catggggaag gggtaaatta ttacctttaa caagattgat 480

ttttaaatgt ttttgtacat ttggaattgt taccttggtt ttgctgcaac agaacttacc 540

ttgagactat ctgatgttgg ctt 563

<210> 1461
<211> 542
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

<400> 1461
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gaacctacaa tgatatggac aatgacctgt atcttagcaa gccaatacga ctgatgagcg 120

ccagccagca ggttgtggct gggaagaact actacttgaa aattgagcta ggccgaacca 180

catgtaccaa aactgagtct aatttggttg attgtccctt caatgaacag ccagatcagc 240

agaagagggt catctgtaat ttccagatca acgttgcacc ttggctgaac aagatgtcca 300

tgacaaactt caactgttac aatttctgag gatatatgtc aggctacact tctgctgatt 360

gtctcttact tttactcaat cttatcctta agttctcctt tcctcagaca gagatcttag 420

tcccaaaggt tgtctcttga gaatgatagc accaagagaa naagtagaga taggccctgc 480

acacctaagt gacagttccc ttgttccttt catctacttg tttttcaaag gcccactgtt 540

ca 542

<210> 1462
<211> 229
<212> DNA
<213> Mus musculus

<400> 1462
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tactgaacag tgtcaaccat cttgctctac aaatcgactt cgcagtagta gaccagccat 120

tgactataat cgggttctgg atttaggacc catcactaaa agaagtgctc agagttctgc 180

tacctcgaag gggactcccc acactacagg gttcttgttg gcctggccc 229

<210> 1463
<211> 432
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)

<223> n is a, c, g, or t

<400> 1463
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ctgataggtt tcggataccc agcctacatc tcaatgaaag ccatcgagag tcccaacaaa 120

gatgatgaca cccagtggct gacgtactgg gtggtatatg gtgtgttcag cattgccgaa 180

ttcttctccg atctcttcct gtcctggntc cccttctact acatgctgaa gtgtggcttc 240

ctgctgtggt gcatggcccc cagcccggct aatggggctg agatgctcta caggcgaatc 300

atccgtccta tcttcctcan gcacgagtcc caggtagaca gtgtggtgaa ggacgtgaag 360

gacaaagcca aagagactgc agatgccatc agcaaagaag tcaagaaagc tacagtgaac 420

ttgctgggcg at 432

<210> 1464
<211> 459
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 1464
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ccaccctcag ccctgaatcc agagaccatc agggaacgtg cagggcaaga caggcccggc 120

ccacactaan tgcaggctgt agcccagtgg gagctcagcc aggntagagc ctgactcctt 180

cattctctag tgatgtttga ccacaacaag atantagcgg gattttcaca ccccccccaa 240

aggatatccc aagcaaggga ttgtccactg tccaccctag ccaggtatgg actgacaact 300

tctcccctaa agtgaaaagc agggccctca agccctatga nccccacatg tgcagcctgc 360

ctccttcttg ctggtcagag gtgctggacc aatgctcaga ctccancctc tttcacgcca 420

cattgaagtt aggggcatca ccgattcttc caggattgg 459

<210> 1465
<211> 502
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (475)..(475)
<223> n is a, c, g, or t

<400> 1465
gaaggttatc atctgccatc gaggcacccg ttcaccctcc cccagtgacc cggattatgg 60

tctccctcct cttgcagggc actctctttc ctggactgat gaaaaacagc tcaaagaaca 120

aaatatcatc cgtacagcta aagtgtggac cccagaggac cccagaaaac tcaacagtaa 180

atctttcgac aacatagaga acgaaccacc ctttgagttt gtgtcctgag acagctcaca 240

tcgggtnggc cgcgtctttg tgcatattgt acgtgtaaat aaatacctat aatgtaaatg 300

taatttaaag accacatttt tntaatggca atncaactgt ttgttattta tctatttatt 360

attctgtcga gttaatgaaa tagattgtct tttaaaatat ataatttata taatttatcg 420

tgatgttcta taatatgatt tcctgaagca cctttgacag aagaactgga agaantctgt 480

ccaggaaact ccgtgcttat tt 502

<210> 1466
<211> 341
<212> DNA
<213> Mus musculus

<400> 1466
aggtggcccc acttttgttg agaatggctc tatttttgtg cctctgagag agctgctgga 60

aactagactg tatgttgctg ctcacatctt tcctcctatt gtggttctcc acagctggaa 120

ggtgtgttct tccctgtgaa tggcactgga gaaaacaatc aactatcata cttgatttgt 180

gaacagagac ttctggagtc cacatctcat gctgagtcac ttccctcttc ctcccaactt 240

cacactctgt ggtctgtgct aatgggccct gtacaaggtc tgaattctat gtctacagac 300

ttgcctagta tgtcaacata ctaggtatgt ttcaggtaaa c 341

<210> 1467
<211> 328
<212> DNA
<213> Mus musculus

<400> 1467
aatactctgg gtgtctgcaa gtacacggtc caggatgaga gtcattcaga atgggtgtct 60

tgtgtccgct tctccccgaa cagcagcaac cctatcatcg tctcctgcgg atgggacaag 120

ctggtcaagg tgtggaatct ggctaactgc aagctaaaga ccaaccacat tggccacact 180

ggctacctga acacagtgac tgtctctcca gatggatccc tctgtgcttc tggaggcaag 240

gatggccagg ctatgctgtg ggatctcaat gaaggcaagc acctctacac tttagatggt 300

ggggacatca tcaatgcctt gtgcttca 328

<210> 1468
<211> 432
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<400> 1468
gacacatgtc acttaacacg tccaataaac caaacccatc aggggtcccc tgggatgctc 60

acccccctgga ggggtctcat tttgatttgg caaggactag tgagagtcca acagaactga 120

agatagacat ttctcagcct cctgatgtca actctgaact ctggacaacg gggccgggcc 180

atcagagacc tgctctccaa gaaaacagca aggagtctta taaaaatgtt gcagatttgg 240

actccttcca gagtgnagtc ntcatctccc caggactcca atcagcgtng gcccccagcc 300

acagacactc acaacagaag caaaactaag tcttccgatg gcggctggac acggtggcga 360

tgctggagac ggngctgaag aaaacattct ttacctctga ttgtgtggcc atttgttttc 420

ccaagcaaac aa 432

<210> 1469
<211> 454
<212> DNA
<213> Mus musculus

<400> 1469
atgtgtgtgc tttacagacc tttcctcttg ggcccaggta tcatatacac tgtgtcatct 60

gaaaatggac cgtgtcgcct ttggaaagat acatgtcttc ctgtgtcttt ccacctgaaa 120

tcagctacat atatgcctcc ttttacacat tcagaagtac ctctaactaa agactatgat 180

ttgtgcatga gtgtgctata actaccttgt acatggaaag atttctcatt ctgtttctag 240

ttttatttaa agtagccctt ctctaacaat aatagtttct tgctaaaaat cagtataact 300

tataaatggt ctcaaatgtt tgtgtaagtt acgcattgtt attgatttca ttcttatgta 360

acagaaaaat aagctgagtt gtgttcatgg aaaggactcc cttagaagaa tgagaaaaca 420

caatcatgaa atactgattt gttgcctagg taca 454

<210> 1470
<211> 555
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (485)..(485)
<223> n is a, c, g, or t

<400> 1470
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catagctgct cacaactgta tgtaacttca gtctcaggtg atccaacacc atcttctggc 120

ctgtgccgaa actacctgca catggtacac agacatacat gcatacgtgc aagcaaaata 180

caaatacaat aatagtaaga taaaaatctt tttaaattgg gaagactatc ttcatgtttt 240

actttcagaa tttgaaacag ttatatttgt atttgataac gtctacgtca gtgttgaggg 300

attttcttgc tggatttata ccaccatgta taccaagtgc agcaatgcaa gtataactgc 360

agcaatgcaa gtagagccat ctctgaacac ctaattctga gacccttttct cagcggcttc 420

tgggctaggc ttataattcc ttacaccaag atgtaatctt ttgttgcatg tggtgccact 480

ggccntttag ttcccactta ggaggcagag gcaggcagaa tttaaagcta acctgtgtgc 540

gtagcaagtt ctaga 555

<210> 1471
<211> 510
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<400> 1471
tatctgaagc atgacctgtg ctccgcagcc caggagaacg tcggtgtgat tgtggagatg 60

attcatttca aggatctcct gctgcatgag ccctatgtgg accttgtgaa cctgctgctg 120

acctgcgggg aagatgtgaa ggaggcagtc acccgcagcg tccaggctca gtgtgaacag 180

agctggggag gcctctgctc catcctgagt ttctgcacct ccaatcatac agagacctcc 240

cacggcagcc ccagagcatc agcccctggc agacagggct cagctctcca ggcctcacca 300

ccgggacaca gaccatcacc taacagccaa cagaggtgcc aagggtgagc gagggagcaa 360

aagccacccg aatgcccatg ctcgaggcag aaccggtggc cagagcgctc agggaccctc 420

tggaagcagt gagtgggang atgaacagtc tgagtattcc gacatccgga ggtgaaatga 480

aaaccgggcc atgaaagctt tcctccaggc 510

<210> 1472

<211> 471
<212> DNA
<213> Mus musculus

<400> 1472
gtggacatag agatgccgga gcccccacat acatgtatga gtttcaatat agtccaagct 60

tctcgtcaga aatgaaacca gatacggtgg taggagacca tggagatgaa atctactctg 120

tctttggggc cccaatttta agaggtggta cctcagaaga ggagatcaac ctcagcaaga 180

tgatgatgaa attctgggcc aactttgcta ggaatgggaa tcccaatgga caagggctgc 240

cccattggcc agagtatgac caaaaggaag gttatctgca gattggagcc accacccaac 300

aagcccagaa gctgaaagaa aaagaagtgg ctttctggac tgaacttctg gctaagaagc 360

aactgccgac agaacacact gagctgtgaa tgggagactc tgtcagcctc accctcaggg 420

gagcccaaat gagactactt tacatggaag atgattgtgg ccaaggcttt g 471

<210> 1473
<211> 536
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (469)..(469)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (510)..(510)
<223> n is a, c, g, or t

<400> 1473
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gtagtcaagt ggcctaccaa gttttaacgt acctgactcc atctgtggca tttgtaccaa 120

atataagttg aatgcattta ttttagacac aaagctttat ttttttgac attgtgtttc 180

aagaaaaaaa atagaataac aataactaca actttgaggc caatcatttt naggtgtgtg 240

tttgaagcat agaacgtctc ttaaactctc aatggttnct tcaaatgata agttagtatg 300

taacctaagt atagcagttt ctctcttttt tatttttttc catatagagc actatgtaaa 360

gttagtatat caataataca ggaaatatca aacagtatgt aaaactctgt ngttgttgtt 420

ttttagtaca atggtgctat tttgtagttt gttatatgaa agaatctant caacacagta 480

aaaggagaaa gcaaagcaaa aacaacaaan gaaagcctgg agcctaagat gacaaa 536

<210> 1474
<211> 355
<212> DNA
<213> Mus musculus

<400> 1474
gttatgacac ctaaatcctg gtttcaagca gatctggtct gccagaagag accctcagga 60

catctcgtgt ctattcttag tggaggtgag gcttcctttg tgtcctcctt ggtgaacggc 120

agagtggaca actaccaaga catctggatt gggctccatg atccaacaat gggtcaacaa 180

cccaatggag gtggatggga gtggagtaac tccgatgtgc tgaattatct taactgggat 240

ggggatcctt cctctactgt caaccgtggt cactgtggga gtctgacagc aagttcaggg 300

tttctgaagt ggggagacta ttactgcgat gggacattac catttgtctg caagt 355

<210> 1475
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<400> 1475
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tctgcatttc acatttgtat accaagatgt attgaatatt tcatgtgctn gtggcctgat 120

ccactgggac caggccctat tatgcnnnnn nnnnnnnngt tatcttcttc aacagctctt 180

caatcagggc tgcgtaggta cattagcttt tgtgacaacc aataagaaca taatattctg 240

acacnagcan tgttacatat ttgtgaccng taaagacata ggtggtattn ggagacatga 300

agaanctgtn aagttgactc tgaagagttt ancactagtt tnaacaccaa gaaagacttt 360

tnagaagtna tattgataag aaaccaggnc cttctttaga agggtaccta aatttaaaag 420

aattttgaaa ggctgggtat cggtggtata tgcttt 456

<210> 1476
<211> 390
<212> DNA
<213> Mus musculus

<400> 1476
atccagtgta tgctgtccag tggcatcctg agaaagcacc atttgagtgg aagaatctgg 60

gcggcatttc tcatgcacca aatgctgtga agacttcatt ctacttagca gaatttttag 120

tttctgaagc tcggaagaac agtcaccact ttgagaacgt ggttaaggag acggcatcct 180

tgatttacaa ggtctatccc atttatactg gaaatatttc ttcatttcag caagcttata 240

tgtttgactg aaattcttca atatggtaac ccagcagctt tgagtaattc tgtgattgaa 300

ttgctaacac agctcagggc agtgtgagaa agccacacag atatctttgc tgtgtgcctg 360

gttctgattc ctggcttaat acatgattgt 390

<210> 1477
<211> 494
<212> DNA
<213> Mus musculus

<400> 1477
tggtggatga gaagcccttc ctgcagtgca cccgcagcat tgagacaggg aagaccaact 60

acaacacttg ctatactgca ggcgtgtgcc tcctcaaggc caggcagaaa atcgccgtga 120

agatggtgca cgctgacatc tctatcaata tgagcaagca caccaccttc ttcggggcca 180

tcaggctggg cgaagcccct gcatcctaga ttctcccatt ccatcctggc ccatgcccct 240

gccccaggtt tgggagccag gactcccaga acctctaagg tgcttgctgt gtgtaggaat 300

tgaggtatac tggcgttgca gccacaaaga gaaatgcccc atgctattta ttccccagtg 360

actccaggat gacaaggcct atgtgacttc ccagaaagac cttgagttgc caggacagtt 420

gacggagccc cagggttgtc aagaagcaga accttcttag gctccctgct gactggctta 480

tggtgactcc tcaa 494

<210> 1478

<211> 462
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<400> 1478
aagtaccttc ggcagctgtt tcaaaggcat gtggctatac cactggcaaa atggctgccc 60

ttcctctctg tggaccaact agaaaggacc agttctatat ctccatccac aggagaacat 120

gagctctctg ctggcttctg attcagacca taggngncna ccaaggaagg tctaagaaga 180

gaatgaggag acagtatata gctctccaag actgatactg acagttctta cagtcaggat 240

tcccaatctt ttagggtcaa aggaaactta gaggtagctt aggtataagt cacctcttta 300

attgtttcct tgaacttctc tctgttagaa aggagatgaa taaacnaaat ggggcattcc 360

agaaactgga ataaaggtga caatgagtgg catgggccca ataagagata ggatctgtgg 420

ttattaattt aaaaacaaag ccactacttt tactgaattc aa 462

<210> 1479
<211> 173
<212> DNA
<213> Mus musculus

<400> 1479
gtcattttgt ttataatcag tggcttttgt tgaattggct tgggttttag attttagccc 60

gtgctgtgct ggaattcact atgaagcaga ggctgaactg gaatttgagg ccttatggct 120

ctgtcccaag cgctcctccc tcaatactgg acttttttact atgaattttc agg 173

<210> 1480

<211> 510
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (120)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<400> 1480
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gcgctggtac catcgagctg tgcctggtgg cacagcctgt catccctttg tctatggtgn 120

ntgcggaggg aatgccaatc gttttggaac ccgtgaggcg tgtgagcgcc gctgcccacc 180

ccaaggggtc cacagccaga aaacaggtgc tgcctagggc tgaggcccgg atgatgcgct 240

tggtggccag cagtccctgg aggtggcagg gtctcagccg ggtcctgctg tgctccattt 300

ggtgctagag ttgtgtgtgc acgtgagcat gtatattgtg tgtgcacatg agcatgtcca 360

ctatttcagt gacttggtcc tntgggtcta annngnggnn ngggaccccc atggacanat 420

ccccattgtg gcgcccgctt tcctggcaga tgactcactg ttgggggtgg ctgtgggcag 480

tgaatggatg tgactggtgt ccaacctgcc 510

<210> 1481
<211> 496

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<400> 1481
ccagcaccag gttctctttg aagaaactgg agaanttgtt ctcataaatg tattcgttcc 60

caccagcagg gactgggaga gggagctatg ttgttaaaac gaatcagtga acttaaagaa 120

aagtcctcat tatggtgccc ccaccacaga atggcaccct tagaggctgg ctcctcaagt 180

tttggtgccc cagccctgaa gcagggccag ctacttggaa ttaggtgaac tacccccacg 240

tggcagacca ccagcagcag tgactttgac ttctggtctt aaagcaaccc ccattcagct 300

caaaaagcga ttggtggatt tcagatcttt tgtgtttttc tcctctggtt gttttgtttg 360

tttttctttc actgtttgaa gttctgtctg ttgtttgttc cattcccata gttctctctg 420

catttccttt ttaaacattt gcatttgctg ggcaattgcg tatttttta attcccttc 480

ccctatgtaa agctga 496

<210> 1482
<211> 576
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (446)..(446)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (494)..(494)
<223> n is a, c, g, or t

<400> 1482
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ttatagccca agccatatgc cctctaccac cgccctggcc tgggcctggt cacctggcca 120

cagccaccca cagcccacaa agccactggc tgcccaccat gggatcagac tgtgggtgat 180

ggctnctgac cgctagactg ctccatctca gccatcgtgt ggccacagct agctccttgc 240

cgttttggac ctccggacta ctgcatttag aagcttgggt gaactgagcc gactggactg 300

gcactcatcc ntctgaggct gggccacagg atccaggtcc ccttagctgt cccaggcccc 360

aggagggcaa ggagtagtag caggggcctc aacatttcta agtaaatcag gagcttccag 420

cccncttttct nttgacatgc aggggnctgc aaacatctcc ccagaggagg tagatgaccc 480

cacctgggga ttcnttaatg gacggggaca gacgtggaaa gtcactgcac atgcattgag 540

tatctactgt atacagggac tgaaacaatg gctttt 576

<210> 1483
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(383)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<400> 1483
ggtataaaag tgtgtgtccc caagtcaaaa cagcctctca cactcacgcc accttcctcc 60

agcagtcaga tctggaggac accaacgttc ctggctcctc ttccacagta tgcaatagtg 120

gnttctcaaa gccaatggga ggaaagcacg ctcttaccct caatgccaaa cagctggcac 180

tgggtaccta ggttcaggcc agaagccagc cagggaaagc tctggctaca gaagtctgat 240

gggaaagctg gccagaaaag ttggtctgtc ccgcgctgtt tctggaacac cgtggttata 300

ggcaaggcta ttgctgtgac tttgaattaa agttgngtct ctctctgtgg agcctcgcca 360

acactgccct cagctcantt tnnttagntc ntcccntcn tgctgtggcn tccaccttgc 420

cgtgccagct tcagtcactg gagatgatgt ttgtagacct ggagaacctc 470

<210> 1484
<211> 189
<212> DNA
<213> Mus musculus

<400> 1484
gctgctgacc aagttccaga actctgaaag gaaaaaagcc tggcgctgag acggagctgg 60

agataaggcc agaccacaga caccacaccc agcaatggat acaggacatc acacccagca 120

atggatacag gacatcacac ccagcaatgg atacaggacc ttggagaaat taggagttgt 180

aagcaggac 189

<210> 1485
<211> 478
<212> DNA
<213> Mus musculus

<400> 1485
actaggcata atggccacct tgccaccaac agccaaccct tcccagcaac ctctaaacct 60

agaggatgaa gatggaatcc tggatgaata tgatcagtac agcctggccc atccctgtgt 120

cgtcggggga ggtcggaaag gtcggaccaa gagagaagct gctgccaata ccaaccgccc 180

tagccctggc gggcatgaga ggaagctgct gaccaagttc cagaactctg aaaggaaaaa 240

agcctggcgc tgagacggag ctggagataa ggccagacca cagacaccac acccagcaat 300

ggatacagga catcacaccc agcaatggat acaggacatc acacccagca atggatacag 360

gaccttggag aaattaggag ttgtaagcag gacctaggcc tgcttgattc tttcccacct 420

aagtgaggtt ctggagaggg agcccttcca cccttccaga cccagcaaaa gggcaaga 478

<210> 1486
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<400> 1486
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atgcctaccg ccaggaggct cacaaccgca tctccagcca cgttcccttg atcatccagt 120

atttcatcct gaaaatgttt gctgagcggc tgcagaaggg catgctccag ctcctgcagg 180

acaaggattc ctgcagctgg ctcctgaagg agcagagtga cacaagcgag aagaggaagt 240

tcctgaagga gaggctggca aggctggccc aggctcggcg ccggctagcc aaattccctg 300

gttaagctgg ctctgtcctt ccctgtgttt cctggattgt gattcaggga cagaagggct 360

cctgcctttc ctggtagcta taccaccanc ctttatgctn ctgataagtg ctagcactca 420

gatttgaagg 430

<210> 1487
<211> 395
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<400> 1487
gtgcgtctgg gtgatcatag cctccagagc agagatcagc cggagcagga gatccaggtg 60

gctcagtcta tccagcatcc ttgctacaac aacagcaacc cagaagatca cagtcacgat 120

ataatgctca ttcgactgca gaactcagca aacctcgggg acaaggtgaa gccggtccaa 180

ctggccaatc tgtgtcccaa agttggccag aagtgcatca tatcaggctg gggcactgtc 240

accagccctc aagagaactt tccaaacacc ctcaactgtg cggaagtgaa aatctattcc 300

cagaacaagt gtgagagagc ctatccaggg aanatcaccg agggcatggt ctgtgctggc 360

agcagcaatg gagctgacac gtgccagggt gactc 395

<210> 1488
<211> 529
<212> DNA
<213> Mus musculus

<400> 1488
aagtcctctg tccagtttta cagcaagctg atcagcagca gtggcctccc cgctgagaac 60

agaagtcctg cgtgtggtca gcctgcggaa gacacagact gcaccatttg ctcatttctc 120

gtggagaaga aaccactcat cttcttcggt tgctgcttca tctccactct ggctgtactg 180

ctatccatca ccgtttttca tcatcaaaag agaagaaaat tccagaaagc aaggaactta 240

caaaatatac cattgaagaa aggccacagc agagttttca gctaaactgc catttctgtc 300

atagtttcaa gattcactcc ggctccatgt actggtaact tacgatgtga gagacagctg 360

taaccaaggt gaagacaatc gatgcctctg aagtgtggtt caaataattc cttcaggtcc 420

cgacaatcag tgagtccgtt ctccgagctg aagacaccct gacagtaact ctgggcgtga 480

ccctaaacat cgcttcagga agtgtgaatc acgacttcac atccttttt 529

<210> 1489
<211> 534
<212> DNA
<213> Mus musculus

<400> 1489
cacggacctg tgaatggaac tcatgggctc tttgctggaa cctcacttca gaccctggaa 60

gcctcagaca tctcgcccgg agctttcaac aaaggctccc tggcattcaa cctccagggt 120

ggacttcctc cttctccaag ccttgctcct gatggacaca cacccttccc tccttcacct 180

gccttgccca ccacccatgg atctccaccc cagctccacc ccctgtttcc tgacccttcc 240

accaccatgc ctaactctac cgcccctcat ccagtcacaa tgtaccctca tcccaggaat 300

ttgtctcagg aaacatagcg cgggcactgg cccagtgagc gtctgcagct tctctcgggg 360

acaagcttcc ccaggaaggc tgagaggcag ctgcatctgc tccagatgtt ctgctttcac 420

ctaaaaggcc ctggggaagg gatacacagc actggagatt gtaaaatttt aggagctatt 480

ttttttaac ctatcagcaa tattcatcag agcagctagc gatctttggt ctat 534

<210> 1490
<211> 441
<212> DNA
<213> Mus musculus

<400> 1490
gggaaacacc attgctttat cagattattt tggtatgtat gggtctctgg caatacatga 60

atattccagc gtgtctgagg tgaagagcca aaataaggaa gactcaagtt catcagatga 120

aagacccata gaacatctta aaatttgtga tcttcacttg caaacaaaag aaaggctggt 180

tgatggagag tttaaagtat acaggaaaag ttccggaaat aattgtatat gctatggaat 240

ttgggatgat acaggagcaa tgaaagtggt ggtatctgga caactgacca gtgtcaactg 300

tgagattggt aatacaatta gacttgtctg ctttgaattg acctcaaatg cagatgagtg 360

gtttctgaga gctacgaggt acagttacat ggaggtcatc atgcctgaaa aatgaaaaac 420

agtgagtgat gtaaccccaa t 441

<210> 1491
<211> 400
<212> DNA
<213> Mus musculus

<400> 1491
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aggctgctct gctacaggca gcaggactgg gcctcctggt ggcctgtgtc ttcatgctgc 120

tgccagcact ggtgctgtgg ggtgtacagg gtgactgcag cctgctagaa gccatctact 180

tctgtttcgg ctcactcagc acgatcggcc taggagactt gctgcctgcc catggacgtg 240

gcctgcaccc agccatttac caccttgggc agtttgcact tcttggttac ttgctcctgg 300

ggctcctggc catgttgtta gcagtagaga ccttctcaga gctgcctcag gtccgtgcca 360

tggtgaaatt ctttgggccc agtggctcta gaaccgatga 400

<210> 1492
<211> 349
<212> DNA
<213> Mus musculus

<220>
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<222> (124)..(124)
<223> n is a, c, g, or t

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<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<400> 1492
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ctacgtgaag gccctgcctg ggcatctgaa gccttttgag accctgctgt cccagaacca 120

gggnaggcaa agctttcatc gtgggtgacc agatctcctt tgccgattac aacttgctgg 180

acctgctgct gatccaccaa gtcctggccc ctggctgcct ggacaacttc cccctgctct 240

ctgcctatgt ggctcgcctc angtgcccgg ncccaagatc aaggcctttc tgtcctcccc 300

ggaacatgtg aaccgtccca tcaatggcaa tggcaaacag tagtggact 349

<210> 1493
<211> 422
<212> DNA
<213> Mus musculus

<220>
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<222> (301)..(301)
<223> n is a, c, g, or t

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cattgaatag tagctagggc tacataaggc actggctcaa aaacaacaat agaaaccatt 120

tttgctcaat ttgcatatat atagattact ctatgagcag tgctttgctt ctgcttaggt 180

gatacagctc gagtcttgat tttctatttt ctgtaacaaa caagatttga aatgatttta 240

gaaattagac aatgacccca cttcctatct cttctggtgg ttttctcttt tcttcttctt 300

ncttccctaa agcagcatta ttgagtgctt ttgcatcctg gaagatctgg agacattgat 360

ttaaaatagt tgaatgcagt tgtattaata cagtatacaa atgctacctg gaagagttct 420

tt 422

<210> 1494
<211> 498
<212> DNA
<213> Mus musculus

<400> 1494
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agctgctcat ttcccacaag gacagcctgc tcatcgagga gtactcagtc acccagacca 120

cgctggacca ggtgtttgta aacttcgcta aacagcagac tgagacctat gacctccctc 180

tgcacccccg ggctgctgga gccagctggc aagccaagct tgaagagaaa tccggacggc 240

tgcagacaca ggagcctttg cccgcaggat ctgaacaact ggctaacgga agcaacccca 300

cggcagcaga agataagcac accaggagtc cacagtgagc tggaggagac tctttcagaa 360

agaaaccaaa attcactggc tcaccggaac tcctgatggc aaaactgacc tatcagaatg 420

gtcacctgtt tatccagaac ccctgactgg tggctttggc cttagcgata ctttcattct 480

gagtggatct gcttttgt 498

<210> 1495
<211> 424
<212> DNA
<213> Mus musculus

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<222> (356)..(356)
<223> n is a, c, g, or t

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tccccgccgc cgacggccgt cagccgcgct ccatctgcac cttctgtctc agcaaccagc 120

gcaaggggg cagccgtcgt gacctggggg gcagctgctt gaaagtgagg ggtgtagccc 180

cgctccgagg gcctcggcga tgaacctgga tccctggttt tctccaagaa ggactccaga 240

gaaagaggcc atgagccagc ccctagctgg acagaggaga agattccaga agcccaaacc 300

actcctgcgt tgtgtaagga ccggaggaca atggcctggg cacagggctc accctnggag 360

agccacaagg acccatctag ccatccaggc ctagctggcc agggacaagg cagaaatttt 420

agaa 424

<210> 1496
<211> 510
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (405)..(405)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

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tgaggtccgc ccaggagcaa atcatcttgg cgccatcacc agccaaggtt gacatggcaa 180

tgactcagct tacccaggac aatgcagact tcgccacccg agatcgttac caccactcct 240

ccttcctgag ccgggagcag ttgatgcctc cctactagga cctcgctgga ccccaccttt 300

ctagaagccg ctgtggagat gggggaccca agcctcagaa cctttggaag ttgcttctac 360

caataagana acccaagact ggtcttccca ccacancctt ngacnctgga aatcacattc 420

cgntctgaaa tggcatgtct agccagatac taggtatgac tatggcttcc acgtgtgccc 480

aacctgaaga gtccacaggc accaggatga 510

<210> 1497
<211> 585
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (365)..(365)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gccagctgcc ggactgccct ccagggacca caccattccg agacctgcag tgttctctct 120

acaatggcca ccctgtcctg gacacccaga aaacctacca gtgggtgccc ttccacgggg 180

cgcccaatgt gtgtgacctc aactgcctag ctgaaggcca cgccttctac cacagctttg 240

gccgcgtgct ggatggcacc ccctgcaccc cgggtaccca gggtctctgc gtggcaggcc 300

gctgtctgag cgcaggctgt gacgggatac tgggctccgg caccctcgag gaccgctgcg 360

gcntntgtgg tggcgctaac gantcttgcc tgttnntgca gcgcgtgttc cgcgacgccg 420

gtgactgtcc cattntgant caccaccagc gcttgagaaa cacagtggag aggggtgtcc 480

ctttaacaag tttggntcct gggagccaag gctcttgttg attgggcttc ccctgattgg 540

cctntgacag agcgtcccac cctccctcga atagatgcgc tttta 585

<210> 1498
<211> 466
<212> DNA
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<222> (188)..(188)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (302)..(302)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (419)..(419)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 1498
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caccatccta ctgggcgtta tagtgggcgt cttgctggct gttatcttcc tgctggttta 120

ctgtatggtt tacctgaagg gaacccagaa ggctgccaag ctccccagaa agggtggggt 180

tcaaagcncn nnnnnnnann agcctcattt ccaagaaccc caccatgtgg agccagtgtg 240

gaatcaagag agacagggta cccaatgaag gtgaggcncc nagaccaact ggatgggacc 300

ancaaaccnt gcttcctcca ccctatgacc aatcaggaca tgacttacac tcaccacaga 360

agcagcagca caacnaaagg tgtnatagta tttctttcca caatgnccaa cctgccagnt 420

nttctgtgga nttctttcta gggacagcat ctctagggac agcatc 466

<210> 1499
<211> 472
<212> DNA
<213> Mus musculus

<220>
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<222> (59)..(59)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (72)..(73)
<223> n is a, c, g, or t

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<222> (144)..(145)
<223> n is a, c, g, or t

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<222> (334)..(334)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

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<222> (376)..(376)
<223> n is a, c, g, or t

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<222> (378)..(378)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgcgcgganc gnnaccggcc cggtgtgtac accagcctcc tagctcaccg ctcctgggtg 120

caaaggatcg ttcaaggggt gcanntgcgc gggtacttgg cggacagtgg ggacacagga 180

agctcctaat ctaggatctg aagatgagca gcctcctgca attctctctg ctgtaaatat 240

gtcttctacc tccgggggggc gcccgcggcc tgagcgagag aacaaggaag ttctggaacc 300

gcccacatag aggatccgcc cctcaatcga ggantntgtg tgtntgtgtg tgtgtgtgtg 360

tgtgtgtgnn nnnncntntg tgtgcgtgtg tatgcgcgcg cangtgcgcg cgagagcaat 420

gatttttttt tttacagtta tacgtaacca tgcccacata tttattccag tt 472

<210> 1500
<211> 309
<212> DNA
<213> Mus musculus

<400> 1500
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ctttaaatat ctactcatca ttttctctct cagagtccta gcttgagttg cactgcatgt 120

atctgtgcat cttgttctct tcatttaatg ctgtactgtt ctgctgagct ctgagggact 180

atcttgagag atgtaatgga aggaaagcgt ggtgttaatc tgcgtactgc ttaagacagt 240

atttccataa tcaatgatgg tttcatagag aaactaagtc ctatgaacct gacctctttt 300

atggctaat 309

<210> 1501
<211> 513
<212> DNA
<213> Mus musculus

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<222> (130)..(130)
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<222> (138)..(138)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (275)..(275)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (478)..(478)
<223> n is a, c, g, or t

<400> 1501
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gcccagagcc ttgttctccc tcggtgtgcc ctgagccttg tcctcctcca aagtgccctg 120

agccttgtcn tgagccangt ccccctccct cattccagca gaaatgccct cctgtgcaac 180

ctcctccacc ctgccagcag aagtgcccac ccaagagcaa gtgaagtctt cagcagtctt 240

cagnacaggg gaaagagnaa aagaatctat ttcangtcat tccatagcna cacnttntnt 300

tccntccaaa ntcngacatg gatgcagnag aatnttntct acccttcacc tanttccata 360

tntcagtgat gacctctaat aagtaatgaa tttgcccgag actataatct tgctgctgta 420

aaggggntct agagaatggg tcttgttcca ttgttcagta tgacattttt caaatntntc 480

tgtcacttga gcagggtagt tgttactgtt gtt 513

<210> 1502
<211> 560
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (498)..(498)
<223> n is a, c, g, or t

<400> 1502
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aacctgtcct taaagaaggt caggtgtgca ccaagcacaa acggaaaggc tcccacgggc 120

tggagatatt ccagcgctgt tactgcgggg aaggcctggc ttgcaggata cagaaagatc 180

accntcaagc cagcaattct tctaggctcc acacctgcca gagacactaa accgacagtc 240

taaatatgat ggactctttt tatctaatat atgctacgaa aatcctttat gatttgtcag 300

ctcaatccca aggatgtagg aatcttcagt gtgtaattaa gcattccgac aatacnttcc 360

aaaagctctg gagtgtaagg actttgtttc ttgatggaac tcccctgtga ttgcagtaaa 420

ttactgtgtt gtaaatcctc agtgtggcac ttacctgtaa atgcagcaaa acttttaatt 480

atttttctag aggtgtgnta cattgccttg tttctcttgc atgtaaattt tttttgtaca 540

cggttgattg tcttgactca 560

<210> 1503
<211> 272
<212> DNA
<213> Mus musculus

<400> 1503
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tggctcagcc agatgcagtt aacgccccac tcacctgctg ctactcattc accagcaaga 120

tgatcccaat gagtaggctg gagagctaca agaggatcac cagcagcagg tgtcccaaag 180

aagctgtagt ttttgtcacc aagctcaaga gagaggtctg tgctgacccc aagaaggaat 240

gggtccagac atacattaaa aacctggatc gg 272

<210> 1504
<211> 403
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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ttcnggttct cttgtattca tatacacaac ctatttaagg cagttctcac actgttgcca 120

actcctagca ttaagaggtc tccaagagtg tgattgcaca ttgatattta caggttagta 180

atgcttggat ggatgtgtca caggatcagt tatatgatgc ttgggatggg tcccgggcgt 240

tgtgcatgtt aggcaaatgt tctgccgacc gagctatatc ccaaaccaaa gatttcttta 300

aaaagcagtt ctttccatgt caactttcta atccaaatta atattattca aacattgatt 360

tttgccacaa tctgataaaa ccaactttag atactgcatg tgt 403

<210> 1505
<211> 515
<212> DNA
<213> Mus musculus

<400> 1505
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gttttgccag cctgtttacc tctatggaga gagaggccac agaaaacagc ctccaactgt 120

cacataacag gatggggaga cacaggtcgt gcctactcaa gaactctaca acaagctgct 180

gtgcctctgt tacccaagag gttttgtaaa gagaggtaca agggactatt tactgggaga 240

atgctctgtg ctgggaacct ccaagaagac aaccgtgtgg acagctgcca gggagacagt 300

ggaggaccac tcatgtgtga aaagcctgat gagtcctggg ttgtgtatgg ggtgacttcc 360

tgggggtatg gatgtggagt caaagacact cctggagttt ataccagagt ccccgccttt 420

gtaccttgga taaaaagtgt caccagtctg taacttatgg aaagctcaag aaaatagtaa 480

aacagtaacc attcagtctt catacttggc accat 515

<210> 1506
<211> 240
<212> DNA
<213> Mus musculus

<400> 1506
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ccactttctc tccgttctag tcacagggaa ccacacagag ataagacaga gacaaaggtc 120

acaccctgac ttcagccata tcaacggcac tctcagttca ggcttcctgc aagtaaaggc 180

ttgggggatg ttggtcacca gcctggtggc ccttcaagct ctatatacct tgtgacagag 240

<210> 1507
<211> 532
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (103)..(103)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (377)..(377)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcgcacacct gcaacaggag gnctcactgg gcactgtgtg aangtcttgg agccctnggt 120

acccagccag ccaaggccgc ctggcccgaa tcctcctcat ggcctctacc ctcaagaaca 180

ttnccaggca cccttctggn tagantctct tcttccgccc tatcatggga gacgttgaca 240

tcactgaact ccttgaagac atgcttttgc tgaggtgacc cgtggaatgg agtctggtgc 300

ctccaaaggg gagcctgaaa ggcagccntc aantcccctg gagctgccnt nagntcagcc 360

acacccctag ntngganttc cttgctttgg atacagtgta cantactaac tgtccagcaa 420

gcccttgatg antccccaaa cctncaggcc aaaatgtntt tccctgcctg ggtagggatg 480

ggagcaggaa gctgtacttt caagccagaa tccctcctga ctttgtacag aa 532

<210> 1508
<211> 291
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<400> 1508
gccggttctg agagtaacgc atccagaggg tcaaggccgn ggcctccagg ncnnngncgc 60

ggcctccagt caatctgact gttacagcgc aaatctctct gttctttctg ggcccaggcc 120

caatcactga gaagattctc tgcacataaa tgccttaaag tttctttgac cctgtcaact 180

agggcaggtt gtcctttagg ccttgacgcc tcatcatttc aacgggctcc agggtctctg 240

ttctgggcct gctcctttcc ttctgagtgt gttttcccta ggttctgaaa t 291

<210> 1509
<211> 426
<212> DNA
<213> Mus musculus

<400> 1509
gaagtttgtt ttgtcgtgtg ttcgtaatta aaaagaaaac gggcagtaac cctcttctat 60

ataagcatta gttaatatta agggaaatca aacaaatcta agccaatact cccaacaagc 120

aagttagatc ttacttctgc tgctgttgct gaaatgtggc tttggcatgg ttgggtttca 180

taaaactttt tggccaagag gcttgttagt atacatccat ctgtttagtc atcaaggttt 240

gtagttcact taaaaaaaaa taaaccacta gacatctttt gctgaatgtc aaatagtcac 300

agtctaagta gccaaaaagt caaagcgtgt taaacattgc caaatgaagg aaagggtgag 360

ctgcaaaggg gatggttcga ggttcattcc agttgtgacc cgagcgtccc caaaacctgg 420

gatgca 426

<210> 1510
<211> 411
<212> DNA
<213> Mus musculus

<400> 1510
tggtcctcag ctgctaacac aatgagctac tactacggca actactatgg tggccttggc 60

tatggccttg gtggctttgg tggctttggt ggcctgggat atggctatgg ttccagctat 120

ggccttgggg gctatggtgg ctatggctac ttcagtccct ctttctatgg aggatatttg 180

tcttctgggt tttactgaga aaattattat cacttcagaa ctctgaacat tttttgtcaa 240

tcatatgatt ttctgaagaa ggtaccacca tgctatggtg ctgtttgaat ccatgggcac 300

ttaggtccct ggatagggat cgcattacta aaatggtatc gtgtcagcaa ctcctgatta 360

tgatgtgttg gcttctgact tttgtcttct gtgacatttc cgcgttattt c 411

<210> 1511
<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<400> 1511
ggacactgac gagatccaga gctatcaata cctcagttac gcgaccttag aggtttcttc 60

atttgtttgc ggtgtgtcct gtttttcctt ccttttttctc tttttaaaga ccaacttcct 120

tttggtggct gtgtgaagag agtcccctaa gaggtgaaag aaaagcctgg ctctgttatt 180

gtccccggag cggtccttgt tgcatgccct ttcacggttt ccccccttacc ccaagtgggg 240

ccctctactg tcagacagtt gaagcactaa ctgcttttcc tgggttttgg accaacaaca 300

tggcaagcac attctgtttc ttgactgtga aggcaacata gtggccagca ntgtgtgtgt 360

gtgtgtgtgt gtgtgtgtgt gtntgtgtgt gtgtanacac ctgtatgtgc ccatccatcc 420

ccanctgcct gttttgaaca tctctcttca 450

<210> 1512
<211> 442
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<400> 1512
aacacctcct gccatggtct ttttacatga tcttctttct gtgagcctgg cctatctgtg 60

gcttgacggt tctccctagc tggaggcaaa ctgcatcttc tcttgctcac ttngtgcctt 120

tgacactgac cttatagatg gctcttaaga cccctcttct cttcaaaatc ctacacctgg 180

gcttctagtg ccttgtgtgg caggagattt gtccccattt accttaggag ttctagaggt 240

gcccctaaag gaggtacaga tagagactct atgccgtgtg ggcctctgag ccatcactgg 300

caagaagttc gcctggtgct gggtagagga cactcagtgc tcagtagctt gaaggcacag 360

tgggagactt acagagaaca tctggaggac ttgtccaggt gctcagttcc ttggctccag 420

gaagtgatgc tgaccctaga cc 442

<210> 1513
<211> 550
<212> DNA
<213> Mus musculus

<400> 1513
ttgaggcacc tcatagagac cccagtgcgt tatcaggagg agtttgaagc tcgaggctta 60

gaagactgca gactggatca tacactatac gcactgcccg ggccaaccat cgaggacctg 120

agtaaagcca gaggcgcagg cacgccacag gctctggcag aggactcagc ctccacggag 180

aagccacccg gagaaggcaa atcccgtttc cagatcctgc tggatgtggt ccagttcctg 240

cccgaggaca tcatcatcca gaccttcgag ggctggctgc tgatcaaggc acagcacgga 300

accagaatgg acgaacacgg gtttatatcg cggagtttca ccagacagta caaactgcca 360

gatggagtcg aaaccaaaga tttgtctgcc atcctctgtc atgatggaat cttggtggtg 420

gaagtcaaag attcactagg gaccaagtga aagccttttg gttgctcttc ataccccagg 480

aaggaagatg aaagccaggg acaccccggg aatgcttaaa cttttgagat ggattgctgt 540

cacttttatg 550

<210> 1514
<211> 400
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<400> 1514
gttgttgcca atccagctgt tgcaagccct gctgctgcca atccagctgc tgccagtcca 60

gctgctgcaa gccctgctgc tgccagtcca gctgttgcaa gccctgctgc tgtcagtcca 120

gctgctgtgc tcctgtatgc tgccagtgta agatctgaca ctttccaaga agtacctcta 180

ctattccttt acttctgtag tctaccttct ttggaagctg tgggattata atgactttcn 240

tactcaagtt caaggcttcc ttntccagcc cttgatggga aggagcaaat cactgccctg 300

atgctttcct gacaggctca cattgtaant tagtccccag attctttaac ctgtctttct 360

cacattccct actatgtcta accaggcttg ccatcataaa 400

<210> 1515
<211> 457
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<400> 1515
cccatacttt attgtcccag atcttgagaa gtgttctgcc caggcagccc ccccctcgac 60

cttagggacc actgtggatg ctgcccctgg ctccaggctc taggctccag gcacttactg 120

cccatggtga caactataga atctctctgg gccctgctgt ctgcccacct tggtgaaaag 180

gacacaagaa catcacagct ttcaggacct cagccagttg atgagcaggc aagacatcag 240

ccacacatgg tccacatatc ctcttcctgc ctatcactgg ttccttggta actatcttca 300

tggntacctt aaaataatct catctctcca ttagaaagta acaagctgga gagatggccc 360

agcagttagg agcaacggct actcctccag agaaccttgg ttcagcccac agctgtctgt 420

aattccagtt ccaggacacc tgacactttc acacata 457

<210> 1516
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<400> 1516
tgcttccctc taaaaacgct tatatccaga aatccctacc ccgaggcaca gtccagatac 60

agatggatgg gacatcagat ctgccaccat taaanttgag tctaaaagcc agatagtcac 120

cangactgtc tatcacattg acagtggaca gaactgtaca tttgcaagac atcaggcaga 180

catgtcctct cctatttata aagaccttaa gaagtgtggc ctttttatcc tccctgttgc 240

tgctactgtg taacatctgt tccatctgca tccttcctgt gacgtcatgc atggatgtat 300

ccagaacctg aaggcaatgc cacatttaga tcttaggatc ataagtatca cctccaagca 360

ccgggaaagg actgactcaa cccaacgagc tgtctctgta nctaatatca atgtacatag 420

cgtaatcctt aagaaactgc ttctgttgta atagtccatg ggcgatt 467

<210> 1517
<211> 476
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<400> 1517
gtaaggtgcc atttacaggc cttccttgtg tttccagggg agagtgtggt gccaaaaata 60

tgaggtcctc tgttggccag cgaaggaggg aaaaacaggt gcaccaggtg gaatttgaga 120

taaagcaaat aagtttgatt gtcaaatgag aaatttaagc ctggaaggtg gttcagtgga 180

taaaaccgct gactgctaag cctgccagtc tgcactcact ctccagcaag cacatgttca 240

caggagctgt cctctgacct ctgcattcat attgtggtac agcacacaca tccgagccca 300

catagacaca tgcacatgaa tacatggatc taaaattttt aaagaatttc ttgcttttgt 360

ttgaaactng aaaacgcttt gggcttgttc ttcagtttgt ggtgtttgga gagaatgctt 420

gcttggtgta tgtctgtgta ccagaagacg aaattggatc ccatagatct gtgtat 476

<210> 1518
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (475)..(475)
<223> n is a, c, g, or t

<400> 1518
tgaaagtggg tactatcacg cgtccnttct ccntttanat cctgtagtgc cgtctgcatt 60

ctttttttt ttttttctca catccatcag tgataagcat tgctctagct gtggccacat 120

acacttctct gtatttccct aggaaggtgc agagttagaa cagcctgcct tgcggtgagc 180

tggaggactg actccttgtt tgatgacact tttaacagta ttgacaccgc ctcatacagg 240

gcttggtctc agctctgctc atccctgcca cccttggtgg ccttgctcca acctgtgttc 300

ataancccnt ggcagctcct atccagcagc agtcacggga anccancccct tcccatcttt 360

aagtatactt ctccacaggg aactgggaga gaancaactt acgatgtaga aaagctataa 420

agggantcct ctgcgtcact aaagtaatct gtaaattact ttagggacaa agttnagggg 480

gaactaaaat ttaaccttct ttgctttctt tacacacaa 519

<210> 1519
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<400> 1519
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cggtatgtaa atctatcact aaagatgtcc ttctctgggg tgttctgcca tcacatttcc 120

accgacagtg aagctgtggt cttctaaact gtaaataaag acaatgcttt tgntatttat 180

ttttttttt ttttccctta agctgtcttt caatgagaat gtcttgggta cttcatctat 240

cattcactac tgcaaatgct aacaacatac gattcaaaat cttttctact taagagcaaa 300

aatccatgaa gaagatgaac tggtttataa aataaacatg gagagcaaaa taaatntaca 360

gagctaccta aagcaggggt aacagtgaat caaaatgtga ctgtaaaaca cattcgagct 420

actgatttga cttttaaaat agcaggcacc aaaagcttta ttatagctcc tgtatttcat 480

act 483

<210> 1520
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (210)..(211)
<223> n is a, c, g, or t

<400> 1520
gcttgctcta agctgggatt ggcatgttat aaacatgata aaaatctgaa catatccatg 60

gaacacagct cctagggcct catgctatct gcagacattg gttcccaggg tagacaatgg 120

gcagtgccca atgtgggaag gctctgtggt tgctggatga gcagagtatt tcattggaga 180

ggagaagaaa attcccctcc aggcagaatn nataggcgag tgggcgttgc acctccccca 240

ttgagagaac ttcttgtttt ctttcatgct ccagcctact gtgtttcctt tctaatctct 300

ctttttattt ttcaaaaaca ctttctcctt ctaagagttt tagaatgact tctacacaga 360

atggagaact caaaataaat ttcgttctat tcctctgagg ctcataatca cagtgccaac 420

tcttgtgaaa ccaaccttca tttttatctt tcttttgctg ctatgacatg 470

<210> 1521
<211> 550
<212> DNA
<213> Mus musculus

<400> 1521
gaagctactc ctcagtaatc gagaaggcgt tgagaaactt tgagtcctcc agcgaatggg 60

cagatctcat ctcttcgctc ggcaagctca acaaggctct ccagagcaac ctgaagtatt 120

ccctcctacc acggcggctc atcatcagca agaggctagc tcagtgcttg catcctgccc 180

tgcccagtgg cgttcaccta aaagccctag aaacctacga gatcatcttc aagattgtgg 240

gaaccaaatg gctggccaag gacttgttct tgtacagctg tggcttattc cccctactgg 300

cctatgccgc catgtcggtc cggcccgtgc tgcttggcct gtatgagaag tacttcctcc 360

cgctgcagaa gctgctcctg cccagtcttc aggccttcct tgtgggtctg ctgcccggcc 420

tggaagaagg ctctgagatc tatgaaaggt tggtggatat catgtctggg ctgcaggctc 480

ttatctgtcg ggaacttgtt ctgtaggttg gccttgaact cagagatctg cattgctctg 540

tctcctgaat 550

<210> 1522
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (249)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<400> 1522
aatgctccga attgcacatg gacacagcag tagcaatgaa ctgttccaat ccctggggaa 60

actttagcta tggatcaacc tgcaccttcc agtgcccaga ggggcagtca ctgaacggct 120

ctgtgagagc aacctgccga gaggacggtc actggtcaga tgccatgcca acctgccaag 180

cagggacact gacaatccag gaagctctga cgtacttggg tgntgcngtn ncttntacaa 240

caggcctgnn nantggncgg gacantcctg gctctgctaa gaaagcgtct cagaaagaaa 300

gatgatggaa aatgcccctt gaaccctcac agccacctag gaacatacgg antnttcact 360

aacgctgcat atgacccaac cccttaagaa acccggtctg ccaatgtctc attcgatttc 420

tcaggattcc acatgcaagt gtcaagtttc ctgtcaca 458

<210> 1523
<211> 261
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (191)..(194)
<223> n is a, c, g, or t

<400> 1523
gaacctgtgg tttcgtcttt cttgctggtt gagtgggacg cgacaaatgg tgccaaagaa 60

atccgggacc tgaatccccc actgaagagg ttcagaactt tctgcagtca gggtctgtcg 120

acagaatgag tacggtgtac cattcctaag gactgccatc caaattcatc ataccctgtc 180

gntnantnnt nnnnagtgtc ctatcgagca aagaagcaac tcatcagaat gatgcctgga 240

ggcttgtcac gggccagatc t 261

<210> 1524
<211> 547
<212> DNA
<213> Mus musculus

<400> 1524
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aaagttatca aatgaacaaa gccttgaaag ttaaaatctt caaatgcata aaagaagaaa 120

tagaggtgag aaaccctatg tttgcaagcc atgtggtatt gctttcattt gtcagtcata 180

ttcaaagaca caaaagaaaa cataatgtag acaaaatgtt gagtgtattt aatatggtga 240

agatttttga atatttctag agtcttcaca atcaaacaat ccatactgca aagaaattta 300

gaaatataat atggtgaaac cttttcagat cccaaatctt catcattatg aaaaagaaac 360

ctatgaatgc attcaatatg gggaagcctt taaacatttc taattcttca tcatcatgaa 420

aataatcata caaaggagat caaggggata caaggcatga ttcttattgt cttgcttgag 480

ttacagtcct gacatccttt ggtgatgaat atcagtgtgg aaagtgtgag ctggattaaa 540

ctctttc 547

<210> 1525
<211> 543
<212> DNA
<213> Mus musculus

<400> 1525
aggatccttg actgttgccg cagggagaaa ccccacacga atgctgatgc aaaacagttt 60

tgggataaac attgccagta ctacaattgc atttgttggg actgttttcc tttctgtgca 120

tttggcattc aatacccagg ctttcaaggg ttgccaatct tcaccgtcac ctgatgtctg 180

catttccctg ggttcctcat cagatggcct ggtgtcttta atgctgattc tcaccctgct 240

ggagctgtcc gtgaccattt ctatctctgc catgtggtgc ttgggaaatg tttgtggttt 300

aagagaggca attacttcac ctcctaattc tgtggagtca ggaatacttc ctgaaggaag 360

tgattctgag aacctgaaca ctcagcccca agcttcagaa gagtgagaac ctcatttgaa 420

aactcagcag aacatgaaca gatgaaatgc aatccttctg tcatggaaat attcacaaga 480

aagctggcat ctgtcccaat tctctctcct gtaaatccac gagcacggtc tggatctgga 540

tga 543

<210> 1526
<211> 428
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<400> 1526
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ttcttagtct agtgtggtca gaaacgtatc tctctgaagt tgtttcagtt ttaatttcct 120

ggacagacta catatattca gcttcctgag atgatcaaag ctagctaggg tttcctctat 180

gtagctaagc tgcttcaatg atgatcttca tattgtgctc cagtttgttt atttaaagtg 240

ncgctcctac ctcttcgtgt gcctgggtga agaaacacaa tcactgttta gttagtagcg 300

gaacaaatcc acagggtagg taaggattag aatctgaatt ataccttggc atcagttact 360

caaacttgaa gtgtaaatat atacagtatg tatatttttt aaagatttgc ttgcagtgaa 420

ccttatat 428

<210> 1527
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<400> 1527
tgggaaacaa tgactgcctc tgctgctgag ggcacgtacc agacccctgt gcgttcctgt 60

gtgccccatc aaaaccccag gaaggttgta tgtgtcgggg gacatacttc tgatgaggtg 120

ctgancattt tgtctgaaga ttcagatgcc agtactgttg aaatccatac tgcaactggg 180

tcctgcaaca taaaggaagt tgactccatt tcccaagccc agggggaact ctgaaggaat 240

gggatagggg tcagacaccc ctatttttca ggttctgtgt cttgttgttt tggattgtgt 300

tcttgctgcc acaatgtatg tatgatcttt caaattccac tctggtcacc atagtggagt 360

tcactgaata tgtcctttat actgggagaa acaacacatc aggaaccttg aagatggaaa 420

gttccctcta gaacagtcag tatcacctct tgactcttaa ttacccttg gacttttct 480

aaggccagct gtaatgctaa gtgccagatc caaat 515

<210> 1528
<211> 480
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (190)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cacgcctctt tcagctatcc cgccgtgccc gggccgccgc cggccgctaa ccttagcccc 120

tgccagtacg ccgtggaacg gccggtgtga gccgcaggtc tgtggatcca tccccgaggg 180

cggggcagtn nttcacagcc tctccggaca ggggtcgcct agactggctt gccctcgtcc 240

cagggtctga aaggggtgcc agagcacccg ggaagaggcc gcgggcttcg aagagggcct 300

tttccctcnc agcccccgag cgntgntctg acccctatgc ggagaccgcg cccctaggac 360

taaggccagg aacagggacc agntccccca gggccaattc acccttggct caccccgcct 420

tctccagact ccccctatcc cattttcaaa gatcaatgaa ataaacgtgc gcggactgtc 480

<210> 1529
<211> 573
<212> DNA
<213> Mus musculus

<400> 1529
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tccttcttct ttggaaccaa gtgccagggc ttgagggtca agagttccga tttgggtctt 120

gccaagtgac aggggtggtt ctcccagaac tgtgggaggc cttctggact gtgaagaaca 180

ctgtgcaaac tcaggatgac atcacaagca tccggctgtt gaagccgcag gttctgcgga 240

atgtctcggg tgctgagagc tgttaccttg cccacagcct gctgaagttc tacttgaaca 300

ctgttttcaa gaactaccac agcaaaatag ccaaattcaa ggtcttgagg tcattctcca 360

ctctggccaa caacttcata gtcatcatgt cacaactaca gcccagtaag gacaattcca 420

tgcttcccat tagtgagagt gcacaccagc ggtttttgct gttccgcaga gcattcaaac 480

agttggatac agaagtcgct ttggtgaaag cctttgggga agtggacatt ctcctgacct 540

ggatgcagaa attctaccat ctctgactgc tga 573

<210> 1530
<211> 462
<212> DNA
<213> Mus musculus

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<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<400> 1530
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ggctacatgc ccacggagat ggagctcatt gagatatcac aacagatcag tggtgggaag 120

gtggattttg aagattttgt ggagctgatg ggtcccaagc tgctggcaga gacggcagac 180

atgattggcg tgagggagct tcgagacgcc ttccgggagt tcgacaccaa cggtgatggc 240

tgcatcagcg taggggagct ccgggcagcc ctcaaagctc tgctggggga acgcctcagc 300

caacgggaag tagatgagat actccaagac attgacctca atggagatgg cctggttgac 360

tttgaagaat ttgttnggat gatgtntcgg tgagcctgtg tagaagctgg agtggaccgg 420

cctggaggat cccagcctcc gaattgcaga ggatcctata tg 462

<210> 1531
<211> 280
<212> DNA
<213> Mus musculus

<400> 1531
cttcaagatg cagccctagg atggggtcgg cggtgcccac aatgccctag atgcccgtca 60

tgcccatctt gcccgagatg cccgaggtgc ccgaggtgca aatgcaatcc aaaataagcc 120

tgcaattggc accaaagatc caaataaaca gcataaattc tgctgcagct gagcatggaa 180

tctgggtcaa gataaccatg ttctttggaa cctcactatc tgtcaagacc cttgttctta 240

gccttgattg ctcttgcttc tccaataaac tccttgcaga 280

<210> 1532
<211> 483
<212> DNA
<213> Mus musculus

<400> 1532
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gagccgcaca cagctgagtt acagctgaat ctcacagttc ctcggaagga ccccacactg 120

cgctggggag caggcccagc cttgggaagg tccttcacac acggaccaga gctggaggag 180

ggccatctgc gtatccatca agatggcctc tacaggctgc atatccaggt gacactggcc 240

aactgctctt ccccaggcag caccctgcag cacagggcca ccctggctgt gggcatctgc 300

tcccccgctg cgcacggcat cagcttgctg cgtgggcgct ttggacagga ctgtacagtg 360

gcattacagc gcctgacata cctggtccac ggagatgtcc tctgtaccaa cctcaccctg 420

cctctgctgc cgtcccgcaa cgctgatgag accttctttg gagttcagtg gatatgccct 480

tga 483

<210> 1533
<211> 516
<212> DNA
<213> Mus musculus

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<222> (97)..(97)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (226)..(226)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (284)..(284)
<223> n is a, c, g, or t

<220>
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<222> (290)..(290)
<223> n is a, c, g, or t

<220>
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<222> (306)..(306)
<223> n is a, c, g, or t

<220>
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<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
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<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
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<222> (460)..(460)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(465)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

<400> 1533
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cctttggggt catgaccttg ccctccatag gcatccnccc nngctcctgt ggtattccag 120

caagaggaag tacgatactc ccaaacccaa gaagaactga atgcagtttc ctcggccctt 180

ctctcccaag aaaccaggtt ttttctagac tccagagggt gtcaanaang tgttctcttg 240

gcccttggcc cgtggctatt ttgtcctgaa tcttaccccn gaanctcaan ccagaatgcg 300

aggggncagg cctggaagtt nggagagggn cctccccgtt gtcactgaan gccatataga 360

caggacagcc cttagccaca gcttcagggn cttgagggtc ccaccaaggt gctgttggta 420

tattattagc aatgtgaact ctttggggtc caggaggggn cnnnntgnat actgtctgac 480

acccccatcc cctggcagct cctctcaaga gggtag 516

<210> 1534
<211> 519
<212> DNA
<213> Mus musculus

<220>
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<222> (117)..(117)
<223> n is a, c, g, or t

<220>
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<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(232)
<223> n is a, c, g, or t

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<222> (234)..(234)
<223> n is a, c, g, or t

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<222> (237)..(237)
<223> n is a, c, g, or t

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<222> (239)..(241)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<400> 1534
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acacgatggg gacacccacc aggaggatga cggagagaag tcggattagc tcttggngga 120

ngggnggagg ggggagacca ggggagacag gcacagagag cgcagtgttc taagggccac 180

acagcacaca gctctgtcac tacccaagct tacacctcca gtcctggttc nngnctngnn 240

ncnnnnnnng gcctagggga cgccagaggg acaccccagg ctaagggttc ttccccacct 300

tcaacatttc cctgggccac agccaccaat ctcggcccag aatgtacaca acgctagctg 360

ccncnctttc caccctgtgc accccgaatc tgcccctatc cccttctctg cttcctgcac 420

tgcacacctg ctagtcccag acccctcccc ccagctcccc cagctccggt tccctcaacc 480

acaaaagaag gggacagaga gaaagcattg gctcgggac 519

<210> 1535
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

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<222> (404)..(404)
<223> n is a, c, g, or t

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aggatactga aaaaaccaat gtgtggtgag atattaagac atctctcagg aactccacag 120

ttataacatt tgatgtgact ggaccctcca ttctccatcc acctcatgtc tctctattca 180

ttctatggag cctctgtttt acctaaaggc ttgactgcta ttttagagta gataaaacac 240

catatagagg ccaatgattc atcttgagtt gtctactgca tattagatag catagcatcc 300

ttccttaagc taacctttcc tagacagatt ctttttttcta aattccnagt tgcatcatct 360

gagcggagag aatcaaggcc tttaacaagt ttctattatg gaanaatttg ttttaaaagt 420

ctttaaatgg attcttctga aaatgttatc attttgggta attgtgtgta gtaactgaga 480

ttgtcttttt cctctt 496

<210> 1536

<211> 385
<212> DNA
<213> Mus musculus

<400> 1536
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tagagtgttc tagtctgatg tatgtggggt ttcctgccct gttggaccaa agtttccatg 120

gtcctatggg atagccttca gcctctggag acccagagct tgcctgccag ggcttggttc 180

tccatttcca ctgctgacat ttgatttcca gtgtatttaa attactccgt ggtaaatttc 240

attgtctttt cctgtgtaaa tgttaaatga caataccatc ggtgaaggcc ctccacagtg 300

gacagagcaa cttcctttcc agcctctgct ggtagcatgc tgcagcttct gtgttaaagg 360

tcctctggag ctcgtgtaag acagg 385

<210> 1537
<211> 478
<212> DNA
<213> Mus musculus

<400> 1537
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tcgagagggt tttttgtttt ttgatcttaa attttggttt ttggggtttt tttatgtttt 120

taaatttttt aaggtattca taagaaaaat tacttaacat gtatgtataa tttaggagtc 180

atttaaagaa aatactcttg ttagtccttc aaagtcaagg aattctgaga agccccctaa 240

tgtgtcctcc cctagctata acccctctag ctccttttcc agtcttttgc ttttctctgc 300

attccttgat ctgttgtggt gggaacataa ctgtgaagcc gcagctgctg cctgcccaga 360

gcagccgcgg gcaagggctg cttcaaggtc ctgagcacat agactgggct cctttctatt 420

gctgggccca ggggacaggc agttcttctg agaaggactg ccctcatgag caggacca 478

<210> 1538
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<400> 1538
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ctatggacct agctccttat ctaggttatg tttccatttc atcagtccat tttcctatat 120

gtaccagtag acattgtttt aattcaataa tattgaatat tagcccttgg tcctctccaa 180

gagactggag tggaactttt gatggacctt acaggcaagg ttagtagacc ctgaggtcac 240

ttgtgacgta agatgctatc ctactgtgtg ctcagctttt aagaaacngg tgttaacagt 300

cacccttant tacccttggg tttccctgtg cctagctgta atctcaagtc ctgtantntc 360

cgtgtntctg accaacagta atgaatgggt gtcatttgct gaaaacagca cacacagaag 420

ttgaaagcaa tctcctaaag cgaatatcca ccacgaatgt tgaacacaac atttaaatat 480

tgctcgataa acaatagtgt ttgagatact gttttctggg tcggttg 527

<210> 1539
<211> 469
<212> DNA
<213> Mus musculus

<400> 1539
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tgaggtaggc aaaatcccag gcctgcccag atccgtggac tcagcatcct gtgttcagac 120

cccagtgtga gcagcagctc cacagcatcc actggcctca gggagtccac acagccctgt 180

tgccaccatc cattgcatag atgtcacaca agagccacag ggccctcatg cagagcagag 240

tcaaaagcac cctccgattg cttctttcag tttggaagag ctagctcttc agtgcccgct 300

ggctttatag ggtagctttt aatttggatt tatctggggg catttctcag ttaaatcctg 360

gctgggtcag aatatccagg aatgaaattg gtttttccct agtgtgtccc atcaggcggc 420

acacggttgg ctcccagttg ctgcgtgctg ttgactctga ttgcctgac 469

<210> 1540
<211> 355
<212> DNA
<213> Mus musculus

<400> 1540
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tggttatctc ctatgtcttt aaggcagcag tccaatgatg gtgatagcta gtgtagtgtt 120

catgaaaagc ctgctgtgtg gtaggacctg tgtagacctg tgagggttaa tgtatgtaat 180

cctttcagcc cgtggatgag gatagaggtt aatcactaga cctaaaggag ttgcagaatt 240

cctgataagg acggtaggcc agtcagattg gtggatggca gaaagccaca tggattatag 300

acctccagtg cacgaggcca ccagagacaa aaggcagtgg cgtaaagccc taaag 355

<210> 1541
<211> 392
<212> DNA
<213> Mus musculus

<400> 1541
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aggctccttc ccagggttgc tgtcttgaga ggattaagta gaacatgaat gtgaacgcaa 120

cacacaggcc tatgttagct atcaggagag gacgccttcc ttgtgtgtgt gtgacagatc 180

tttgaggttt cttgtctgcc ccagtagccc agggtgacac actctgggct gcctgttcaa 240

gcttttgatg gaggggggcc ttcagggctc aggacaggac agtagcagaa agtagggact 300

aggcctttgg acagctgggt ggtttgtaca ttcaagtttg aggtgaaccc tttggtggga 360

gggggctgtg cccactctga aggcttgaca gg 392

<210> 1542
<211> 255
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<400> 1542
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accatcagta tcccagcagg agcagtggac tcgccgccat atgcaccttc tccgngggct 120

atatattatg ggtgtgctgg atacatcatg tcaccggcat gtgggtgtac cctttcctgg 180

aacatattgg ctcaggagcc aggatcatct tctttgggtc aacaaccatc ctaatgaatt 240

tcctgtacct gcttg 255

<210> 1543
<211> 466
<212> DNA
<213> Mus musculus

<400> 1543
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tgaagctgtt gcaacagatg tcccgggtct ggaaaacaga tggcttatcg agttgttctt 120

acagattact ctctgtggag cacaaccctt tatatgccaa catcacagtg gatttctgga 180

ctgctgcgtg acccggagct tttgatgaca ctcaggactg atgatttgac tgtaataatt 240

ttggcctaga gacttccata gtagcacaac gttaagaact tgttccaact aattattagg 300

ctgaaatttt tccattttct cagcagagct cttggttatg taaatgtaga accatagtaa 360

caagacagct tttcttggtt gttttgaatc atggctgtga agtgttgtaa cacacgtact 420

tgaaggacta aagatgaagg atgtgatgaa gtcaccttgc ggtctg 466

<210> 1544
<211> 376
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<400> 1544
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ggctgcagcc gcactaagag ggccggatct tcttaggtcc tgaaaatctg tggccacaag 120

accaactcac tgatcctcca aagggatcgc ctccgcccat caggccggga tgggcggacc 180

gctactttcc ccggctgcgg ctctgcctcc cgggcttcta aagatttttt tccccttctg 240

ggttttgttt ccggccagaa gctcccttag ctgggagtga ggagggagnc tgctaaaact 300

ccggaggatg nttntcctac acanaagcaa aananagntn aaagtnaccg ttattgttta 360

caaagcgcgc ggttta 376

<210> 1545
<211> 372
<212> DNA
<213> Mus musculus

<400> 1545
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agtggcccac aatgcctcac actattggat gtgaacatgt attttgttac tactgtgtta 120

agagtagctt cctatttgac atatacttta cgtgcccgaa gtgtggcaca gaagtgcaca 180

gtgtgcagcc cttgaaatca ggaattgaaa tgtcagaagt aaatgctctt tagaaaccaa 240

gttgtttcct ctgagaaaag tgtattgtat ccagttcctt ggaattagtc atcctcagtg 300

tcatctgtag gtggctttta acaggagtgt gctgtacagc cactctcttc ctttacaagc 360

acaactcagt tc 372

<210> 1546
<211> 423
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (178)..(181)
<223> n is a, c, g, or t

<400> 1546
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ttcagatatg tctccccatc agacagcagg agaccatcct gccatctctc caaactgnnn 180

nggctcccac cggcagtatt ttgataagca tgcctataca ttgactggtt atgccctgga 240

acacttatat gacagtgaga ctattagaaa ctattccttg ggctgcaatg gctcacactt 300

tgatgtgact tcccatctaa ggatgcaacc agacccagca caaggacaca agggaacatc 360

tgttataata accaatggaa gttgatgttt ttctaaaata ttttgttctt caagggtctc 420

tga 423

<210> 1547
<211> 481
<212> DNA
<213> Mus musculus

<400> 1547
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gggattacga gctggagcca tcccaaacag aactgccacc cttccttttg aagcctcttc 120

atgtcagtcc ctgcttagag aggggcacaa cccccacaca ggcactgggc tggtgggcac 180

tgccagctcc ttggggcatg aacagagatg cagggagaag atgacaccag agtccttctt 240

aaaaatatta catgttttat tctcccatcc ccagagggtg gtttatccag aaaccaagaa 300

aataaaaatc aatcagaata aactcaaggg ggcgagtgga gagaaaccca ttaacgacca 360

ggcaggcagg ccagcagcct gcctccacct cagaaggtcc ccagagacct ctgcccaccg 420

ccacgagggg aaaatcagga gggactgggg agggcattga atcagctatg tcttcattat 480

g 481

<210> 1548
<211> 474
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<400> 1548
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gggtcatggc ttagtcatgc tcaccacctg cctgaggctg atgcccggtt ngngagagag 120

ggccaggtgt acaatcacct tgccaatgcg ggccgggttc aagccctcca aagccctacc 180

tgaagcagca ggctcccggg acaagatgga ggacttgggg agaaactctg acttttgcac 240

tttttggaag cacttttggg aaggagcagg ttccgcttgt gctgctagag gatgctgttg 300

tggcatttct actcaggaac ggactccaaa ggcctgctga ccctggaagc catactcctg 360

gctcctttcc cctgaatccc ccaactcctg gcacaggcac tttctccacc tctccccctt 420

tgccttttgt tgtgtttgtt tgtgcatgcc aactctgcgt gcagccaggt gtaa 474

<210> 1549
<211> 138
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<400> 1549
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gatttgctga aatntcctgg gaaatgttct gcattgtcct catgaaacga caatgcccat 120

ttgcctcttt gttataaa 138

<210> 1550
<211> 437
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<400> 1550
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atttctgtat ttgccaggta ctggcagagc ctctcaggag acagctacat caggctcctg 120

tcagcaagca cttgttggca tccacaatag tgtctgggtt tggaatcttc aggattttta 180

agatacacat ggatgggcta tnttctttgc tctgagtcca gnatttttt nntttnngtt 240

tngttnattt nattaatttn gaagatttct cacaagtgca cancagggtt tctgttggat 300

cttttgaacc tgtaagctcc aacccatttt ntcgcctata atactgttat taaggggtgg 360

agagttagga aatttaaggt ttcaattgga caaggtggca tacntcttcc cagcactctg 420

atggtagaag cagaact 437

<210> 1551
<211> 521
<212> DNA
<213> Mus musculus

<400> 1551
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actggaacca ggtggcccgc acagtggacc gtctctgcct gtttgtggtg acacccgtca 120

tggtggtggg cacagcctgg atcttcctgc agggtgtcta caaccagccc ccactccagc 180

ctttccctgg ggacccttc tcctatagcg aacaggacaa gcgcttcatc tagagcaggc 240

atgagtagac agccaggcag agagcagtct gagaacggca cgtagttcct gcccttgagc 300

ttgtgcctag cgggtgctgt gtggctgggc agaggccatg gtcgggagag ctcccttccg 360

gaaacaattc ctttctaaat aaaggaggga gacacttgag atgggctaag ggtggacgtg 420

gtggagaggg aggctccagg gttgtgaaga gaagcagggg ccttgctcag ggggccagag 480

aggtgacctt gggactggct tcctgggaac agtcctgtga g 521

<210> 1552
<211> 465
<212> DNA
<213> Mus musculus

<400> 1552

ggatgttgct gaccccaaca aggtcagagt acagctccgt aagcagtacc tctattacca 60

tgaccacctg atgaatgtga gccagatcat cacacacccc gacttctaca tcgtccagga 120

tggggcagac attgccctgc tgaaactcac aaaccctgtg aacatttctg actatgtcca 180

ccctgtcccc ctacctcctg cctcagagac cttcccctca ggaacgttgt gctgggtgac 240

aggctggggt aacatcgaca atggtgtaaa cctgccgcca ccatttcctt tgaaggaggt 300

gcaagttccc attatagaaa accacctttg tgacttgaag tatcacaaag gtctcatcac 360

aggtgacaat gtccacattg tccgagatga catgctgtgt gctgggaatg aaggacatga 420

ctcctgccag ggcgactccg gaggacctct ggtctgcaag gtaga 465

<210> 1553
<211> 315
<212> DNA
<213> Mus musculus

<400> 1553
gatcacatcc tacaggtcag ctgagcccct cccaccatag atctttgctt gtcttgcctc 60

ccagtcctac caaatatact cttcatacta tggctatgct cgtctcttcc gctaccttga 120

gcatatgagg cttgtgggac cctttgaact tactattcct tttgcctgga aatgcccttg 180

cttttgaacc tccatcagat tcgttttcac cattcagtga acagccctgt cattgtcaca 240

gtctcccctg gccatcccca ctactctgtc atagaactaa ttttaattat tttcggagtt 300

cgttcgtgct ataaa 315

<210> 1554
<211> 228
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<400> 1554
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ttccaaagag agttaaagaa catagtctgn tgtgaagaga aacaaagctg cangagcatt 120

gggactgttc tctggtatct attttgacag aacagagttc atcttccttc ctcttggaga 180

cagaacacat ctactctggg gnatgggcac cctttgccat aaagcctt 228

<210> 1555
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<400> 1555
ggtgagcctt agtccctgtt agggaccaac ccctgtcctg atttcacctc acccagaagt 60

gaacccagca ggatcctggc actggcaatg gctgtaccat gcttttccct gtatatggat 120

aggctgtagc ctgtgtttgg aaaaacaaag ttgtgttcag cataagaaaa gattatacat 180

ctgaggtgac acctagtgac tcatggtact gctgctggat ggacctattc tcagtggtca 240

cttggctcag gtcatactgt ctcaggaacc atctangtta ttcccagtgt cctgtgaggt 300

aagtgtctca tcacacctat tctgcagctg tgtanaccca cagcttagag aagttgagtc 360

tgatagcaag aggctcctga ggcacatctg tgacacttcg gcatgagctg tggacattgt 420

gccttcctgc tttgcgcttg ctcatgtggt cttttc 456

<210> 1556
<211> 418
<212> DNA
<213> Mus musculus

<400> 1556
atgcccacct cagctgtagt tgtacctgcc acggggccgg cccctcacag tgcgggggcg 60

ggcctgctaa ggatctcagt gaaggaggtg gtgtttgggt ctctcactgc tgcgctggtc 120

ctggccacgg tgctgctgac cctgagggca tggcgccgag gtatatgccc cactggaccc 180

tgctgctacc cagccccaca ctatgcccca gctcggcagg atcaggagtg ccaggttagc 240

atgctgccag cggggttccc tctgtcccca gacctgcccc ctgagcctgg taagaccaca 300

gcgctgtgat gggaggagcc tttctagcta ccttcctgcc ctccttcaca cctcagactg 360

tcaccagccc tcagctctgg tacacccatc caggggattt ctgcctcaca ccagaaat 418

<210> 1557
<211> 540
<212> DNA
<213> Mus musculus

<400> 1557
ttcccgattg cccatgtaca tagatgtgtc tgctcacgcc ttcacagttg tcataactgc 60

aggtccctga cagcagtgtc tgtatcctgt atggattccg agacatgttg actagcgctc 120

tcttgagttc accattggtc accacttaat aattctttaa ctgactagta ctgacttttc 180

atacatgacc gtctgcctaa ttcatgagta attcctaaat agtgggtgac atacattgaa 240

gaagcctttg aaaatgaaat cttttctgtt gggcattcac attgctgagc aggccttggg 300

gatagaactg acatctgcaa cttgaatata cctgaggctt tgtgtggctt gtaacagaaa 360

attcaagtcc taacccacag ggcaatgtgc aagatggggc ttcacaaggg aatctctgta 420

tgttgtaggc tcaaggctcc agcttcttta gcacaaatgt tcatggctgt gctccagcca 480

ccaagaagtg aggaagttgt actgtgatgc cacaaagctt tcagaatggt gttccctgcc 540

<210> 1558
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<400> 1558
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acttccgggg gtttccctgc tcactgtggg tcctcttcca cttcctgacg gtgcaggcaa 120

accgatatag tgaggcccac ccacaggaac cagctgatgg ccaggaggtc ctccaagcca 180

tgaggagcta tgttcagttc ttctttggct gtcgtgactg tgcggaccat tttgagcaga 240

tggctgcagc gtccatgcac caagtgagaa gtcccagtaa tgcgattctt tggctctgga 300

ctagccacaa cagggttaac gctcgcctct caggtgctct gagtgaggac ccccacttcc 360

ccaaggtgca gtggcctccc cgtgagctgt gttctgcctg ccataatgaa ctcaancgga 420

caggtgcctt tgtgggacct tggtgccacc ctcaactttc tcaaggctca cttctcccca 480

gcaaacatcg tcatagactc ttctgcat 508

<210> 1559
<211> 247
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<400> 1559
gggctggagt ggacctcctc actgcattct gagactgtcn actcccctcc ctcacgacat 60

gaagaaaaag catccctccg gccttctctg gcctggccag cttcagcacc tcaggnnntg 120

ggtggggctt agcttcaaga atgggtctgg gagcctcagn aaatgattct ggtcacccag 180

gttcaaactg gggtttctgc tgcaagagtg tngtttggca ggctgggagg gtgacagttg 240

ctgcact 247

<210> 1560
<211> 536
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (485)..(485)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (498)..(498)
<223> n is a, c, g, or t

<400> 1560
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ctatgccgtg gtggtgattg catctgtggt gggattctgc ctgctggtga tgttgctcct 120

gctcaagttg gcgagacatt ccaagtttgg catgaaaggt tttnttttnt ttcataagat 180

cccactggat gggtagctga gataaaggaa agacaaaggc tggggctgtg gtgcttgttg 240

cctgacgccc tgtgagctga actctgggac tgctgttgcc tatcccagga agtgctgctt 300

atttgagggn tntctggtgg aaatgggtaa tntccgagga tntntncanc ctgcttgttn 360

tganctgtga ctggggaacc ccaaggcaga ggcaggggtc aggcagctga gaagcnagca 420

gaagaacaca cttagattca ccttctgttc ttacaatagt tcaaatatag aatcgaagtg 480

aaatntcatt ggattatncc tctctaatga aaagcgagct gtttgactat acggaa 536

<210> 1561
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<400> 1561
aaagtttgtt ccatgtttgg ctgaagtatt ttttaaaaga acctactgat gggagcacaa 60

aagtccttga gcccacagat caccaaggaa accaggaatg ttaatcacat agggttgact 120

ccccaaagaa ggaaatccat acctgtttcc cacccagagg actgggcgtg gatgttgtta 180

atgacctggt gacctttgct atttgtagag ccagacctca cccaaatgcc ccctaaatgt 240

ttgtcttgga ctcttccttc ctagaccttt atttttaact tagtttctcc accaataaaa 300

tccatgctta ggggagatgt cacaagtatt ttataacctg ctgacctnta cattatcttg 360

gtcagagacc ataccagatc ctaggccctt aagctatagg acccatcttt gtggtcggtg 420

tactttgagc tgagtttcaa tgtaattatg cctcttatac ccgggat 467

<210> 1562

<211> 391
<212> DNA
<213> Mus musculus

<400> 1562
tcgggctact ttgtcagcat cgacgcgcac gccgaggagt gcttcttcga gcgggtcacc 60

tccggcacca agatgggcct catcttcgag gtggcggagg gcggcttcct ggacatcgac 120

gtggagatca caggaccaga taataaagga atctataaag gagaccggga gtccagcggg 180

aagtacacat ttgcagccca catggatggg acatacaagt tctgctttag caataggatg 240

tccactatga ctccaaagat agtaatgttc accattgaca ttggggaggc tcccaaagga 300

caagacatgg agacagaagc tcatcagaac aagctagaag aaatgattaa tgagctggca 360

gtggcaatga cagccgtaaa gcacgaacag g 391

<210> 1563
<211> 107
<212> DNA
<213> Mus musculus

<400> 1563
atttgattgg cctataattc ttacttgaaa ggagccccat tatataggcc cttccaagaa 60

tccagaggct gttaatgctg tatgggacta tggtctttat tatgttt 107

<210> 1564
<211> 55
<212> DNA
<213> Mus musculus

<400> 1564
atagcatagg cctgtctctt tcgttaaaag ccaaagtaga ggctgtctgg cctta 55

<210> 1565
<211> 419
<212> DNA
<213> Mus musculus

<400> 1565
ctgtctaagg tattcaaagg tattccagta ctacagcttt tgagattcta gtttatctta 60

aaggtggtag tatactctaa atcgcaggga gggtcatttg acagtttttt cccagcctgg 120

cttcaaacta tgtagccgag gctaggcaga aacttctgac cctcttgacc ccacctccca 180

agtgctgggc ttcaccaggt gtgcacctcc acacctgccc ccccgacatg tcaggtggac 240

atgggattca tgaatggccc ttagcatttc tttctccact ctctgcttcc caggtttcgt 300

aacctgaggg ggcttgtttt cccttatgtg cattttaaat gaagatcaag aatctttgta 360

aaatgatgaa aatttactat gtaaatgctt gatggatctt cttgctagtg tagcttcta 419

<210> 1566
<211> 569
<212> DNA
<213> Mus musculus

<400> 1566
agctgctgct gtgatctctt gtgtagttgc tctttgtgtc ttagggttca gtctgactct 60

gcaaaggtct ggccccgcca gcacagatct cagtttttgg ttacagaaat tttggattct 120

ggactgaata gatgacttag aagttaaggg ccactgcctg cacttccaga tgacccaggt 180

tcaagtctca gcaaccatat ggtggctcac agctgtctgt gactacagtt gcccgggttc 240

taacaccctt acacagacat gaatacagac aaagcacata aagtaaattt ttaaaaaaaa 300

ttttgggtgc atggccatgg gtccgtgtcc gtgagtctca gttatcctgc accaacagac 360

atctttaatc ttttcttgat gctcttaaga catacactat taaagaaaaa aaaaagaatg 420

tacactatta tttattttta ctatttatgt attggttctt tttattcttg tttttctgag 480

acagggtttc attatgtagc cctggctagt ctggaactca ctgtatatac ctggttgtcc 540

ttgaacttac agagattggc ccctcgtgc 569

<210> 1567
<211> 504
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<400> 1567
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ttcaagggac ctcggaagat gagtgtgatc gtcccaggca tgaacatggt tcatgagaga 120

gtctgtatcc gccccccgcaa tgaacatgag accctgttag cacgctggca gaacaagaac 180

acggagagca tcattgagct gcagaacaag acgccagtct ggaatgatga cacacagtcc 240

tatgtactta acttccacgg ccgtgtcaca caggcttctg tgaagaactt ccagatcatc 300

cacggcaatg acccggacta catcgtcatg cagtttggcc gggtagcaga agatgtgttc 360

accatggatt acaactaccc actgtgtgca ctgcaggcct ttgccattgc tctgtccagc 420

tttgacagca agctggcctg cgagtanagg ccccccactg ccnttaggtg gcccagtccg 480

gagtggagct tgcctgcctg ccaa 504

<210> 1568
<211> 546
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (57)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<400> 1568
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acttaggagg tcaaccaaaa aaantctgct gatagaagta tagtaactgc ttcttttccc 120

tgaagaagaa aagttttatt tgcaatgtca gcttttaata tattttccta acatagtgga 180

ggatcaccaa ataaatcaat ttctctgaaa tgaaagtata ttaaaaccca tcagtggtag 240

atccttcaga gtcacatttg atttagatat ctcagacctt caatttggtt taaaatgtaa 300

tttctcagtt ctcatcaaca ttcatcaaat ttgggactca tatcatttgg gctctgtctg 360

ttcattttta acctctcagg taagctctga tggaatacat attgcttagt gtaaaatgtg 420

agactgtcat cgggaacaaa ttattccatt cagtacagat tgtaatctac aaagcttagt 480

ttctacattc attcattatg gctctgagaa ctactttgtt agcctgctta cataaatgtc 540

ctctga 546

<210> 1569
<211> 321
<212> DNA
<213> Mus musculus

<400> 1569
tgtttacaca gtcgcaacgc tacctctcac agacactgag ttctgcaagt ctgtgaactg 60

gaggagtctg aacacttatg ctgaactgaa ctgaggtgcc tcaaagatga tggagcagag 120

gagtggctca gcaatcctca gactagagtc caggaatgga cctgctggat tttaaaaatc 180

tccctctaga gggcgcgcaa gacccacggt tttgtgcctc atttccgttt gccttcatcc 240

ttcatcttac gcatgtgcag agtttatttc cgggctgctc gcaagggccc ctttggatgg 300

cgtgtagggt tcatccactg c 321

<210> 1570
<211> 485
<212> DNA
<213> Mus musculus

<400> 1570
atgccagtcc atatccacat attttataga cgccaaaaat aggtgatatt tcctcaccta 60

tggtaactgc tacctgattt ttttaaagcg tgatttatac ctatccatcc tcaatgacat 120

ggttagttct ggggtaatag gaaaaactac agaacctacc acaaagtata cctcaataag 180

tcctctagct ctgcttctca aatctgaaga gtgtgctagc aggataataa tttttaaact 240

acctggttaa ccaaaacaaa aagcagctga ctatgtgtga tttcctgata gtacatcatt 300

tcctggtacc tttgtgccag aaatgaatga agatttggat tttcctaatg actcctatca 360

agagtgtagt aactcagtgt tcagattata ggagaacctg aatccacaag ttaactgtga 420

ttcgcatttc tgttactgtg acacactaat gtgacccaaa aactggctta tccttgagtg 480

tttac 485

<210> 1571
<211> 567
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (515)..(515)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (518)..(518)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (520)..(520)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (525)..(525)
<223> n is a, c, g, or t

<400> 1571
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cagaagttag aaacagggca cccagggtct gaaccatctt tccccaagga aggtaattgc 120

ttttagggga agtgtcaaaa tatccaggaa tcctttccag aatagtctgn ctgtgtatac 180

acgcatggtc tcactcttgt aaagacgcat tgaccagacc ctggaacaca gatctgactc 240

cagaagatga ccagctctgc tgtggataca gaagcacgct tgcctctgtg tcctggatat 300

gatggcctca gatgctggtg tgcaaaactg aaagaacagg aggttggctc tgcttagggt 360

ggaaagtagt gtgatcagca gctcataggg ggagcccttt gacagggagg ggccgaggaa 420

tggtcttcca gaggtgcatc tgatgcccct tgcgctctct gagggttggg taccattttc 480

aatttcagaa gaggacagag attatagaaa gacancanan gcaantcaaa agattgtcac 540

agctgtgctt ttgggatagc tcacctt 567

<210> 1572
<211> 343
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<400> 1572
aaaccttgca cctcgggccg cagttgctgc cgccgctccc agggctgtgg ctccatacaa 60

gtacgcctcc agtgtccgca gcccacaccc tgccatccag ccgctgcagg ccccccagcc 120

tgcagtccac gtccagggtc aggagcccct gactgcctcc atgcttgctg cagcgccccc 180

ncaggagcag aagcagatgc tgggggagcg tctgttcccg cttatccaaa caatgcattc 240

aaacctggct gggaaaatca ccgggatgct gctggaaatc gacaactctg agctgctgca 300

catgctggag tcccccgagt ccctccgctc caaggtagat gaa 343

<210> 1573

<211> 366
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ctggtttctg ctccagtatg ccctcaggaa aggtgacccc aaacttcgaa tgcacatcat 120

tgacaagttt ctcttattgc ctttccactc tggatgggac cctgaacatg gaggcctctt 180

ctacttccag gatgcggatg gtntctgccc tacccagctg gaatggaaca tgaagctntn 240

gtggccacac agngaagcca tgatngcctt cctcatgggn natagtgaca gtggggaccc 300

tgccttgctg catctcttct acaagntggc tgagtacacc ttccgccagt ttcgtgatcc 360

tgagta 366

<210> 1574

<211> 421
<212> DNA
<213> Mus musculus

<400> 1574
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ctgccaactt caagttaagc aaaaatccct cccaggtgtg ccctccattg ttagatttta 120

gttcaatcca gatggagtca agttgacaac caagaatggc caccaccggg gacactccgc 180

atctgaacta tatactaagc ttcatatttc agacgtgttt cttaatgttg ttggtgtctc 240

cagccctcgt agtgtttgta tcgtattctc tgcagtttag catgccagtg tttcctgtcc 300

ttcacgtaaa tgcctttgtg tgaagcttgc ttgacacccc gcccccaccc cacctctcaa 360

ctcccctatc cctgtgacac tgcacagtaa taactgttcg ttgttgttta cctgttgctt 420

g 421

<210> 1575
<211> 437
<212> DNA
<213> Mus musculus

<400> 1575
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tccctgccca gcttcagtac cttcatggag ggctacccca gcagctgcga actcaagccc 120

tcctgcctgt accaaatgcc gccttctggg cctcggcctt tgatcaagat ggaagagggt 180

cgcgagcatg gctaccacca ccaccatcac catcaccatc atcaccacca ccaccagcaa 240

cagcagccgt ccattcctcc tccctccggc cccgaggacg aggtactgcc cagcacctcc 300

atgtacttca agcagtctcc gccttctaca ccgaccactc caggcttccc cccgcaggcg 360

ggggcgctgt gggacgacga gctgccctct gcgcctggct gcatcgctcc gggaccgctg 420

ctggacccgc agatgaa 437

<210> 1576
<211> 467
<212> DNA
<213> Mus musculus

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<222> (33)..(33)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 1576
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gagaatgata gagcggacac cagagtgtgt nctcatgaca taccaggtgc ccgagagggg 120

tcgagaggag gtgctgaagc aggacctgga gaagctccag agcatggaac agcagcagcc 180

cctgttctct cccgcgcaga gggaggagct ggccaaggtg cgctcctgga tccacagcca 240

cacagcccct caggagggac acctccagag ctgtgtcgcc tgtgaagaca gaggttcagt 300

gggtgacact gcagaggtcc tggaacagcn cccagcagaa gacaccagtt gagcagctgt 360

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<210> 1577
<211> 384
<212> DNA
<213> Mus musculus

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<222> (44)..(44)
<223> n is a, c, g, or t

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gttgtcactt gaaaagagaa aggaccaacc ggcccccacc ccaccccacc ccccgcactg 120

ctttcgtgaa ttttgtaaac tatgtttgtg tgagtagcga tattgtcagc cttctaaaag 180

caagtggaga acactttaaa atatagagga tttctttttt tataagaaaa tgctaaatat 240

ttatggccat gtacacgttc tgacaactgg tggcaaattt cgctccttcg ttgtaaatat 300

cgctagtgat cgttgccaaa tgacgttctg gatgggcctg tatccccacc gggcctgcct 360

ctctttgtcg tttgttttcg gtgg 384

<210> 1578
<211> 420
<212> DNA
<213> Mus musculus

<400> 1578
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tgcacagcct gaaagcgctg ggcaggaacg ggcaccaggc aggtctggga aacaagagga 120

caaggggctg cctgcacacc accgccctcg ccgctgcacg tgcttcactt acaaggacaa 180

ggagtgtgtc tactattgcc acctggacat catctggatt aacactcctg aacagactgt 240

gccctatgga ctgtccaact acagagaaag ccttcgggga aagaggtcct tggggccagt 300

tccagaaagc tcccagcctt ctccgtggac acgcttgcgt tgtacttgta tgggggcgga 360

tgacaaggcc tgtgcacact tctgtgcacg caccagagat gtcaccagtt attccgggag 420

<210> 1579
<211> 421
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<400> 1579
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acaggtccaa gggaacattg cgcagtttgg ggaaatgatt nggcttaaga caggaaagag 120

agctgagctt agctatgcct tctatggatg ccactgtggc ctgggtggca aaggattccc 180

ccaaggatgc cacagaccgg tgctgtgtta ctcatgactg ttgctacaag ngcctggaga 240

aaagtggatg tggtactaag ttactgaaat acaagtactc ccaccaaggg ggccaaatca 300

cctgttctgc aaaccagaac tcctgtcaga aacggctgtg tcagtgcgat aaagccgccg 360

ctgaatgttt cgcccggaac aagaaaacct acagtttaaa gtaccagttc taccccaaca 420

t 421

<210> 1580
<211> 590
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
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<222> (274)..(274)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgagctatgg gggtcctgag nacccacata atgtggtgaa tgtagctggc agtttcaaca 120

tacagcagga ccctacacgg tttcagtctg tgcactgcct tctctaccca gacacccact 180

ggtgtcctat gaagaacagg gttgagggag ctttccagta actgccgact cctggtggct 240

gctctacccg gctccctcgg gccttagatc atgncgntca ncagaagctg cttgaaggcc 300

tcccacgacc tcggtcccag ttggacacca ggtacctctg gaaaatgaga caaccgggct 360

gtgcgtgccn gagaccgtcc aggaagagag aaaggcaaag atgctgagtg cctgatgcct 420

ttagcccagc cacaggtcct tccctggaca aagtctacca ccccagctac cccagagaca 480

gtggttccca gcccagccac aggtccttcc ctggacaaag tctaccaccc caactacccc 540

agagacagtg gttcccagcc cagccacagg tccttccctg gacaaagtct 590

<210> 1581
<211> 539
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

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gatggaactg canggtcaca cttcatggct tcccctcagt gtgtgggcta tagccgcagc 120

acagcgaccc ctctcaccat gaccatgtgc ctccctgacc tgaaggaaat ccagcgggct 180

gtgacgcttt gggtgagagc actgaatgcc agatcggtct acatcgccac agactctgag 240

agctacgtgt cagagatcca gcagctcttc aaagacaagg tgagggtggt gagcctgaaa 300

cccgaggtgg cccagatcga cctgtacatc ctcggccagg ctgaccactt cattggaaac 360

tgtgtctcct cgttcactgc cttcgtgaag cgggagcggg acctccatgg gaggcagtcg 420

tccttctttg gcatggacag accctcccag cttcgggatg aattttgatc ccatctgaag 480

cccccacctc ccaccctcaa ccaggcttgg ctgctaagga tgctcctggg attacacat 539

<210> 1582
<211> 528
<212> DNA
<213> Mus musculus

<400> 1582
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attgtggacc acagtgagga gagcaaggat aggaccatca tgctcctcgg agtgtcctcc 120

cagaaaattt cagttcggct gaagaggact gttgcccaca agagcaccca aacagaatcg 180

ttcccgtggg ttggtggcga gacgacccct ggtcactttg tgctgtcttc tccaaggaag 240

tcggcgcagg gcgctcttta tgtgcacagt ccagcatctc catgccccag cccagcactg 300

gtccgaaagc gggcattcgt caagtgggag aacaaagagt cccttataaa accaaaacca 360

gaacttcacc tccggctccg gacctaccaa gaactggaac aggaaataaa taccctgaaa 420

gcagataacg atgctctgaa gatccaactg aagtacgcac agaagaaaat agaatccctg 480

cagcttggga aaagcaatca tgtcttagcc cagatggacc acggtgat 528

<210> 1583
<211> 437
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (36)..(37)
<223> n is a, c, g, or t

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<222> (52)..(52)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (72)..(72)
<223> n is a, c, g, or t

<220>
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<222> (91)..(91)
<223> n is a, c, g, or t

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<222> (101)..(101)
<223> n is a, c, g, or t

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<222> (103)..(104)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

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nnctcccact gnccctgcct tgccctccct nctctcacca ntnnctctgt gtgttgtggt 120

ttgaatgttg gtttcatgtc ggttcaangc ctcacctcag tttccaggat gttccttccc 180

cagcccctac cctaacagct agggaccaaa accctggagg ccaaagggct gtaatcaccc 240

cctgtaccca ctggcaactt tgcccaccag cagggttgtc caccccaccc cctccatgcc 300

tgagacagga cctgctgggt cactctagcc tgtcctgaga acatctaaaa cagaggcaca 360

atgaatgagg ggatgcttcc caggcagagc ctggtggctt agccaccata tcacctcttt 420

ctgcatggcc ctggaaa 437

<210> 1584
<211> 443
<212> DNA
<213> Mus musculus

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<222> (92)..(92)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<400> 1584
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ggatgatctc tacagtataa tctctcctct gnaagctaat ccccacaacc ttttttttn 120

ctttaacctc aactcacttt cttctgttca cctgtatttc ctcctttcca gaaatgcctc 180

cgggtaanaa gggagaggtc cttacctggg caagggtggt aacatatgta atcagtcccc 240

aaggaaaact agcatgtggg actcacttaa taagtagctt tgaatgccaa aactatgtat 300

gcttttaaat accatcgatg tagctcttga tagttggctc gttgtgtgtg tgagtgtgtg 360

tgtgtgtgtg tgtgtgtgtg tctgtgtgtc tgtgtgtacg tgtgcgtaaa ctaaacatat 420

ggctacatta tctgtgtgtt aac 443

<210> 1585
<211> 124
<212> DNA
<213> Mus musculus

<400> 1585
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aagaacactg gatgggtgtc cgtaaaattc tggaatttgg gaattaacat cctcccacac 120

caga 124

<210> 1586
<211> 502
<212> DNA
<213> Mus musculus

<400> 1586
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ctgtggagtc actcagtgct tatcccctga gcagcagctg tgtcatcctt tcctggacac 120

tgtcacctga tgattatagt ctgttatatc tggttattga atggaagatc cttaatgaag 180

atgatggaat gaagtggctt agaattccct cgaatgttaa aaagttttat atccacgata 240

attttattcc catcgagaaa tatcagttta gtctttaccc agtatttatg gaaggagttg 300

gaaaaccaaa gataattaat ggtttcacca aagatgctat cgacaagcag cagaatgacg 360

cagggctgta tgtcattgta cccataatta tttcctcttg tgtcctactg ctcggaacac 420

tgttaatttc acaccagaga atgaaaaagt tgttttggga cgatgttcca aaccccaaga 480

attgttcctg ggcacaagga ct 502

<210> 1587
<211> 474
<212> DNA
<213> Mus musculus

<220>
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<222> (57)..(59)
<223> n is a, c, g, or t

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atactctgtc acctccccac ccgatggtcc ctttaaaaac cacacgacac cagcacttca 120

ctgactctca tgaagaaaac tcctgataat tctggaagca tggagtgata tgctgcgtct 180

gggaaagtct gtgtagctct gactgtccca gaattcacaa tgtagaccag gctggcctca 240

aattaagaga cggctgcctc tattgcatct tgggcagtct gtgtcttaag cgcctggctt 300

ggtaacacag aggacactgg ctaaataata gaacaaatgc ctaaaattct aagattccat 360

cttagagatg caagtgaggc ctcctaggca gtgcttgaaa gcgctttgaa aagcaatcta 420

gggaataaag ctttcatttc aaaatctaag gctaaatgtt ctccttgcaa atca 474

<210> 1588
<211> 536
<212> DNA
<213> Mus musculus

<400> 1588
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cctatcccag cggccagatc ggcttcatgc tgtgtagcaa aaacccgagc accaacttcc 120

gggagccagt gcagcagttg acacaggccc aggtggagca gatgcagctg aaatactata 180

actcggacat gcaccgtgcc gccttcgtac tgcctgagtt cacccggaag gccctcaatg 240

acataagctg aatccaggtg ccactgtgac accacccgag acctcaatcg gattggacca 300

aggatcttcc aagttgtctg gggaccacca gtcctggacc agactcccag atgactcttg 360

cccaccaacc aagtgttaca ggccccatga tgctgcctgg cctggcctgg cctggcctgg 420

cctggcctgc cctgctgggt ggactcagtc tctgtctgtc tatctctgtg gcgttcagcc 480

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<210> 1589
<211> 594
<212> DNA
<213> Mus musculus

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<222> (180)..(180)
<223> n is a, c, g, or t

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<222> (183)..(183)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cagtaggagg agcaatgaga agcaatccgg tccccatcct catcccctgc cacagggtgg 120

ttngcagtga cggtgccatc ggccattact ccggaggagg gcaggctgtg aaggagtggn 180

ttntggccca tgagggcatc ccgaccggac agccagcctc caagggcttg ggtctgactg 240

ggacctggct caagtcatcn ttcgagtcga ccagctntga gccgtntggc cgaaattgag 300

taaccgtttg aatgacacat agangtaacg cgtgtcggaa gcggatgtgt ggtggcacca 360

ctatattaaa agagctgcaa gtgtcctggg nnnnnnnnnn nnnnnnnnnn nnnntgtttc 420

tacattttac agcagaatga gttcagacga cccacctcga gtgtgtcatc agttccctcc 480

tctgacatgg ttattgttct atttttaatg cccattaaaa tgggggtgag cgaggaaggc 540

ctgatgagcc ttagggcccc tttgtatgaa gggagacaca tctgacacct gcag 594

<210> 1590
<211> 144
<212> DNA
<213> Mus musculus

<400> 1590
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acctcaggga agttccagag aaggaccttc gacttcctaa aaattttaga tcttctggag 120

aaggagttgt ggaccccacc tgat 144

<210> 1591
<211> 404
<212> DNA
<213> Mus musculus

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<222> (112)..(112)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

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<222> (126)..(126)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

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<222> (206)..(206)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (342)..(342)
<223> n is a, c, g, or t

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<222> (357)..(357)
<223> n is a, c, g, or t

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gtgggctacg gctgctactg cgggctgggg ggacgcggcc atcccatgga tngaggtaga 120

nctggntgct gccangccca cgactgttgc tatgagaagc tctttgagca gggctgccgc 180

ccctacgtgg accactatga ccacangatc ganaatggca ccatgattgt ctgcactgag 240

ctcaatgaga cggagtgtga caagcanaca tgcnagtgtg acaagagcct gnctctgtgc 300

ctcaaggatc acncatacag gancaagtan cgaggctact tnaacgtcta ctgccanggc 360

cccacaccca actgcagcat ctacgacccg tacccagagg aagt 404

<210> 1592
<211> 368
<212> DNA
<213> Mus musculus

<400> 1592
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aggacagtat agtggagatc cgttctgtcc gtgtgggcac tgtggtgatc aaagctgtgt 120

actcaggctt ctatgtggcc atgaatcgca ggggccgcct ctatgggtcg cgggtctact 180

ctgtggactg taggttccgg gagcgcatcg aggagaacgg ctacaacaca tacgcctcgc 240

gacgttggag gcaccgcggc cgacccatgt tcctggcact tgacagccaa ggcattccca 300

ggcaaggcag acggacacga cggcaccaac tgtccacaca cttcctgcca gtcttggtct 360

cgtcttga 368

<210> 1593
<211> 549
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (211)..(211)
<223> n is a, c, g, or t

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<222> (213)..(214)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(239)
<223> n is a, c, g, or t

<400> 1593
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nnntttcaat cagtnnttaa tgagcacaaa gggacagtat gagtngccna tcagcctggg 120

acctaatctc tccatacnnc catntgtgct ttctgnttnc ngtgcgggct cctccntctc 180

ntgtgtgtgg gtgtnctcca agggtctcca ntnntnntnn ngggccagtt ctttcacnnt 240

gagttctgga acctacttct ctaagttcct ggctctcgct cggccctagt gatctgcttc 300

tgttcatgat gccaccattc tgctgacctt ctagactgga aatctcagag ctgtctggtg 360

ggctctgtgc acttgaccct gccctctccc tcatctcctg taatctggcc tgtcttacat 420

ttccagagcc tccagcctag cccatgcctc ttaacgtccc attcccaatg tgacttctca 480

gcacttctct ctggcaggct actgtgctct ggccttcctc tgctaaaagc cttcagagag 540

tctggctgc 549

<210> 1594
<211> 596
<212> DNA
<213> Mus musculus

<220>
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<222> (84)..(85)
<223> n is a, c, g, or t

<220>
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<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
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<222> (527)..(527)
<223> n is a, c, g, or t

<400> 1594
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gtgaggatat cgccatgaac ttcnntgtct cccacatcac acggaaaccc cccatcaagg 120

tgacatcaag gtggactttt cgatgcccag ggtgccctca ggccctgtcc catgatgact 180

ctcattttca cgagcggcac aagtgtatca acttttttgt caaggtgtac ggctatatgc 240

ctctcttgta cacacagttc agggtggact ccgtgctctt caagacccgc ctgccccatg 300

acaagaccaa gtgcttcaag ttcatctagg gccttgcnag ttctgaggag acnatgagca 360

gagcgagggg gagtcaccct caaggttccc aaggtgtcga aggtccttgg ggacatctgt 420

cgggcagggc caagaccctt tgctgggaga ggcagcagga agagtggaaa gggatagctg 480

tctttcattt tgaagtcagc cacactgggc ctgggatcct ggtcagnaga ctcagggcgt 540

ctgcacaggg cactgactga tagcgaacac tgaggactgt tcataagccc aggaca 596

<210> 1595
<211> 565
<212> DNA
<213> Mus musculus

<400> 1595
aataatttcc ccagttgctg agcgtcctgg ggaaagatct gaggtggacc ctgagaacca 60

tgtggtcgtg tcttactgcc cacccatcat cgaggaggaa ataacgaacc ccgccgccga 120

tgaagtggga ggggcttccc aggtggtgta catcgatgtg cagtccatgt atcagccgca 180

agccaaagca gaggaagagc aggacgtgga tcctgtggtg gtggcaggct ataagccaca 240

gatgcgcctt cccatcagcc ccgctgtgga agacacagca gcagaagatg aagagggtaa 300

gaccgccggt tacagacctc aggccaatgt aaacacttgg aatttggtct ctccagattc 360

cccgaggtcc acagacagca acaacgaagt tgtctctttt ggaagtccgt gctccatcaa 420

ttccaggcaa ttcttgattc ctcctaaaga cgaagactct cctaaatcta atggaggagg 480

gtggtccttt acaaacttct tccagaacaa accaaatgac taaccaggtc acccttttgtc 540

acttcagtct gccatctcag taagt 565

<210> 1596
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<400> 1596
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tgtccttctc aggaacatga tgggtctgta aataaccagt gttccctcca tccttacaag 120

gtcagcttcc accaactagg ctgggatcac tggatcattg ctcctcgtct ctatacccca 180

aattactgta aaggaatctg tactcgggta ttaccctatg gtctcaattc acccaaccat 240

gccatcattc agagccttgt caatgaacta gtgaatcaca gtgtacctca gccttcctgt 300

gtcccttata attttcttcc tatgagcatc ctcctgattg agaccaacgg gagtatcttg 360

tacaaggagt atgagggtat gattgcccag tcctgtacat gtagataata gtgaagttgt 420

tgctatctca ggtttcccaa gaagctatag atgtttaaag aaaactgtgt taaagctggc 480

agtgatctac ccaacc 496

<210> 1597
<211> 534
<212> DNA
<213> Mus musculus

<400> 1597
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acggctggtc tgggaaagtt ggaactactt tgggttatgg tgccctggaa ttgtttgcct 120

tgctgaatag caaaagatcc ctttccccaa tgcacagcac ccactttctg tattttgttt 180

gtttgtttgt tttaactcaa aatcaagtga caaagatgtc tgctggagtg gacttataag 240

caagaagcca ggcccaaaag gaagagccaa gaaggcctgc ggatgtttc ctgtcctggt 300

gtcagcactc accaaagaaa ttgacaatca gactatttgg aaggaagagt tttattcctg 360

tagtttgttg gcttttctgt aagttctgga aaggccttgt ggactgcaga aggcgcccac 420

tgctggccag ggagggctca ttgagggtgc tgagatgccc gggatggctc acctcaccct 480

cagtttcttt tctaggagtg agctatgcca gagcagctca ccttgagttt gcag 534

<210> 1598
<211> 360
<212> DNA
<213> Mus musculus

<220>
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<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<400> 1598
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gctcctgcct aatgaggact gtgacaaagc acatnanatg aaggtgacag atgccatgct 120

gtgtgcagga gagatggatg gtggctcata cacttgtgag catgactcag gaggcccact 180

gatctgtgat ggtattctcc aaggtatcac atcatggggc cctgaaccat gtggtgagcc 240

cactgagcca agtgtctaca ccaaacttat taagttcagc tcctggataa gagaaactat 300

ggcgaataac ccctgagtgt cacattgttc ccttttctca ataaagtcca ccatgttgtg 360

<210> 1599
<211> 588
<212> DNA
<213> Mus musculus

<220>
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<222> (40)..(40)
<223> n is a, c, g, or t

<220>
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<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<400> 1599
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caacatgagc ctcctgaatg agcacacccc acaacctgag gacgactaca gcaatgacct 120

gatgctgctn cgcctcagca agcctgctga catcacagat gttgtgaagc ccatcaccct 180

gcccactgag gagcccaagc tggggagcac atgcctngcc tcaggctggg gcagcactac 240

acccatcaag ttcaaatatc cagatgatct ccagtgtgtg aacctcaagc tcctgcctaa 300

tgaggactgt gacaaagcac atnanatgaa ggtgacagat gccatgctgt gtgcaggaga 360

gatggatggt ggctcataca cttgtgagca tgactcagga ggcccactga tctgtgatgg 420

tattctccaa ggtatcacat catggggccc tgaaccatgt ggtgagccca ctgagccaag 480

tgtctacacc aaacttatta agttcagctc ctggataaga gaaactatgg cgaataaccc 540

ctgagtgtca cattgttccc ttttctcaat aaagtccacc atgttgtg 588

<210> 1600
<211> 289
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<400> 1600
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gcggcctctt cccagtctgt aagaccncgg tcatgtgctt gccaactgct gagtgttact 120

gccatggaac ctttcttgtc tgtcccgtgc agcttggttt ccacagccgg ttgcatatct 180

tctgttgctt gcaaacacaa aatcaccagc ccaaacgagt gatttagctc actagccatt 240

aaatggcatc tcgtggatga tgacagcaac tcttacagcc aggaaactt 289

<210> 1601
<211> 404
<212> DNA
<213> Mus musculus

<400> 1601
agagaaggtt gagactccgt ccccgcccac ggcctcagct ctggattacc ccagtgagaa 60

tctggccttc atcgacgagt cctcagacac gcagagtgag cgtggctgtg ccctgcctcg 120

ggctcctcgg ggtcgccgcc gacccaaccc atccaaaaag ccttccagac cccggggtcc 180

tgggcgactc cgagacaagg ccgtgccggt gtaggggcag gatctctgga cccggatccc 240

acgccagggc tttcgctctt gctgatgctc aggcatgctt ggcttatttg accaaagagc 300

cgtccctctt ttgttccacg tggttgcaac cctgacagga gtccagtggt tgccaaatgc 360

caccgctctt ccctggctgg ttcttcacat ccaatcattt ccaa 404

<210> 1602
<211> 553
<212> DNA
<213> Mus musculus

<400> 1602
agctttgtct tcactgtttt ccaaatggaa agtaagaggt ccagaaagct gcctctaagg 60

gctctcacct gccattgatg tcctttcagg cccaatgaca tggtttccct ccatcctatt 120

gcgtactgtc tgctacccag gtggcaagag caccttggga gaagttacag gcagcttcat 180

gctttctgtg ctgttcagtt caaaagcagg tgccttgaga atcctgaatt caagcactct 240

gtagaacatg gacagacaag atgggtcctt ctctggccat aggcatgagg gccagttgct 300

gaggactgct ctcactacac ctaagtgcac aagtgataag aagttggaca gatagacaga 360

tagcagcagt cccattgctg tagccagaat gcacttattt cctgttctga ccctgcaggc 420

ccagcttttg gggaccacag ccatgttctg cacgggacct ctcaacctgg cattcatgcc 480

ctttcacgac ttagcaccgg cctgcccttc tttcttcccc acaactatac aagagctgtt 540

gcaaccactg aaa 553

<210> 1603
<211> 445
<212> DNA
<213> Mus musculus

<400> 1603
agcggataac tcagccacag gctttggcac cggcactcgg gctctggagc aagccctgga 60

gaagacgaga gccaacatcg actgggtgaa ggagaacaaa gatgcggtat tcaagtggtt 120

cacagagaac agcagttagt tcctggttct gagaaccact tgtcccagta tgacacctct 180

tactatctca gcagcctgtg cagggtctct gtcctcagag ctccagacac cagcatccta 240

ctctcaagga tgaagtctcc agcctgtgga gccagcctag ctcctaactg tcaggctgac 300

ggacacctcc caggtcttgc accctcatgc caactctgcc ccaggtccag gcctctgggg 360

ctgatctcag ggaagcccag ctctgaagct agatttactg gacaaagggc agcctggaaa 420

gagactccct gaatgcttta ctatc 445

<210> 1604
<211> 489
<212> DNA
<213> Mus musculus

<400> 1604
gagccaaatg ttactcctct gtgacatcat gtcactggca ggcctcagct aagcagtgac 60

cttcctaaac accaaagata ctccagtcac acccaagggg tctcggagtg gtagaggtct 120

gtagtaggca ggttggcaat cattttctga ttactttgta tcatagcagc gtctaacttt 180

gtctccttct ccgcgggagc tttgatcttc tgagccaaga caggcaaatc aaggtttttg 240

gatctgtgcc tcttaaggaa gggcatagga aggagaaacc agaccctaat acctggttct 300

caaataggca gggttcagaa catctgccag atgcgttctc tgataagtaa accgtcaccg 360

gctccagccc aacccaccaa agctctgaaa ctggtgctaa gaggatgtcc agagccgtta 420

acctattgaa tttcatggca gtctgaaact atgtcccttc tcccaggtcc tgacctcgat 480

gatggctga 489

<210> 1605
<211> 547
<212> DNA
<213> Mus musculus

<400> 1605
aagaggtggc gcagcgtatc accaccgagc tcaaacgtta cagcatccca caggccatct 60

tcgcgcagag ggtgctctgc cgttcccagg ggacccttc ggacctgctg cgaaacccca 120

agccctggag caaactcaag tcgggtcggg agaccttccg gaggatgtgg aagtggctgc 180

aggagccgga gttccagcgc atgtcggcgc tccgcttagc agcctgcaaa cggaaagagc 240

aagaacatgg gaaggacaga ggcaacaccc ccaaaaagcc caggctggtc ttcacagacg 300

tccaacgtcg aactctacat gcaatattca aggaaaataa gcgtccgtcc aaagaattac 360

aaatcaccat ctcccagcag ctggggttgg agctgagcac tgtcagcaac ttcttcatga 420

atgccagaag gaggagtctg gacaagtggc aggacgaggg cggctccaac tcaggcagtt 480

catcgtcctc atcgagcact tgtaccaaag catgagggag gaagaaccac ggactagtac 540

ctcggtg 547

<210> 1606
<211> 568
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (191)..(195)
<223> n is a, c, g, or t

<400> 1606
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agcaccagcc ntaaccaaca gcaaagaaag acacaattct gtggagtgtt tagatggact 120

agatgacatt agcacaaaac ttccatcgaa gctgcagaaa attacgggga gagaagactt 180

tcccaaaaaa nnnnncttct gagaatgagt tctacaacct cagaaaaagc ctatagtttg 240

ggtgatttgc ccatgaaact ccaacgaata agttcagttc ctggcaactc ggaagaaaaa 300

ctggtttcta aaaccaccaa gatgttatct gatcccatga gccagtctgt ggccgatttg 360

ccaccaaagc ttcaaaagat ggctggagga cctaccagga tggaaggaaa tcttccagcc 420

aaactaagaa aaatgaactc tgaccgtttc acatagcaaa acaccccttt aggcattatt 480

taatgttttg atttagtatt agtccaatat ttggctgata agataatcct ccctatgaaa 540

tctgagaggt ctatcctagc ctggcaaa 568

<210> 1607
<211> 521
<212> DNA
<213> Mus musculus

<400> 1607
aacagaagct ggttgcttgc aaaacatggc ttggctcctt ttttttccag aaatatctat 60

aatatgtaaa ccaagggaca acttgtattt acattcctaa aatgaaaagc caactctaaa 120

aaagagtccc atgtgtgagg aatggactcc atttataaca ttggaagcca gtgtaatata 180

aaacaaactg ctaaatattg acttttttcag agatgttgct gaggacacag aagaaacact 240

caatagaaaa tgttaaggcg aaaagcaacc aaatgtagac ccatgtatgg ctatggagca 300

atggcttatg cccagatttc ccatttcata gaaattctga ttcttgttaa tccaattttg 360

gtcattatag tgtcattcta ccatagaaga gagatctttt ttgtgggaaa aatgctcatt 420

ttattaaagt attaactatt acaaatgtat aaaggatggc atttattctt gatatacatg 480

ttttgaatca agtgtatttg cttagggtta actgtctttg t 521

<210> 1608
<211> 549
<212> DNA
<213> Mus musculus

<400> 1608
ggagtaagac tcctggcctt tctctcagcc gtgggccctg ctcagcagca gacaccttcc 60

tgaatctcca gacttctgtc cacttttgtt tcacaaaaac ctaatcaatg attttagctt 120

cagagacagg aagattgtta tgctacacag tgagttcaag accaacctgg gatatacaaa 180

aagactctgt ctcaatcaaa agaaaacact ctccaaggct ctatgagcag ctggtggctg 240

ctaggaaaga aacatttttt taaacattta tttacttatt gtatgtgcac gtgtgtgacc 300

gtgagttagt gtacatgcat gccagggtgt gcatgtggag ggcagaaaat aacttctggg 360

aattaatttt ctccttctac cgtgtggtgg ttacagattg gactgacgtc atccgacttg 420

gcagcaagtg cctttaccca ctgattcatc ttggtgaccc atgggggaaa accattttct 480

ttagtggatg agccattgtt aagttattct gcaaataact ctctcttggt cctgtgtgaa 540

ccttaataa 549

<210> 1609
<211> 514
<212> DNA
<213> Mus musculus

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<221> misc_feature
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<223> n is a, c, g, or t

<220>
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<222> (348)..(348)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (464)..(464)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (469)..(469)
<223> n is a, c, g, or t

<220>
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<222> (486)..(486)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (489)..(489)
<223> n is a, c, g, or t

<400> 1609
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tagtccctca tggtctgagc tggctgtctt gtaagctggg aacacagcat ggaaggtgga 120

tgggagcaga gtcactctcc tgtctgcagg tcttgcagaa ccctctgttc tcagcccagc 180

atggaaggag ccataaggag aaaggtgttg ctgctttctc cagccaggtc tacacaactt 240

agacctgttc tgagatgtct aagagcaggg cactgggaga aggttagggg tctcagccga 300

gggaaggaga tgcccaccgg tgctcactga gaacacacca caantctntn catgncnggg 360

gcatttctac ctgggtcagt gaanacgcct ccaccaggca cctcctctct gctgataggt 420

cacagaccag gtgtccctgc tcctgtctca gccaagggng aggngacang tagctgctgt 480

ctgtgnacng ctggcccagg caaggactga ctgt   514

<210> 1610
<211> 522
<212> DNA
<213> Mus musculus

<400> 1610
cctcagaagg ttttgtggcg atacaaagga aagataccag acacattagg atccaataca 60

agactgtttg attggattcc tcagaatgat cttcttggac atcccaaaac cagagctttt 120

atcacccatg gtggaacaaa tggaatctat gaggctattt accatgggat ccctatggtg 180

ggagtgccca tgttcgctga ccagcctgac aacattgctc acatgaaggc caaaggagca 240

gcagtggagg tgaacatgaa cacgatgaca agctcagatc tgctcaatgc tctgagaaca 300

gtcatcaatg agccatctta taaagagaat gccatgagac tatcaagaat ccaccatgac 360

cagccagtga agcccctgga ccgagcagtc ttctggattg agtttgtcat gcgtcacaaa 420

ggagccaagc accttcgtgt ggcagcccat gacctcagct ggtttcagta ccactctctg 480

gatgtaattg ggtttctgct ggcctgtgtg gcatctgcta ta 522

<210> 1611
<211> 461
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
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<222> (329)..(330)
<223> n is a, c, g, or t

<220>
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<222> (334)..(334)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (338)..(343)
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<222> (347)..(349)
<223> n is a, c, g, or t

<220>
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<222> (351)..(352)
<223> n is a, c, g, or t

<220>
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<222> (354)..(363)
<223> n is a, c, g, or t

<220>
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<222> (368)..(370)
<223> n is a, c, g, or t

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<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (379)..(380)
<223> n is a, c, g, or t

<400> 1611
gcccacatat agcttcagtt acattagctg cttatgaatg caattcggtg aatttccctg 60

agccacccta tcctgaccag attatctgcc cagaggaaga aggcgctgag ggagccattt 120

ctttgtggag tatcatctca aaagttagaa ttgaagcctg catgtggggc attggaacag 180

ccattggaga gctgcctcca tatttcatgg ccagggcagc tcgcctctca ggtgctgaac 240

cagatgatga agagtatcag gaatttgaag aaatgctgga acatgcagag gctgcacaag 300

actttgcatc acgggctaaa ctggcantnn aaanantnnn nnngaannnt nnannnnnnn 360

nnnttttnnn ctntnnntnn attccaaacc ccctgtttga cctggctgga ataacgtgtg 420

ggcacttcct tgtacctttc tggaccttct ttggtgcaac c 461

<210> 1612
<211> 534
<212> DNA
<213> Mus musculus

<400> 1612
aaggacttac aatccaccag agcctcgcaa tagcaagata tttgaccaaa aacacagatt 60

tggctgggaa gacagcgttg gagcaatgtc aagctgatgc agtggtggac acgctggatg 120

acttcatgtc tctcttccca tgggcagaga aagatcaaga tctaaaagag cggatgttca 180

atgaattgct cacacatcaa gcacctcgcc ttctgaaaga tttggacaca tacttaggag 240

acaaagagtg gtttataggc aattatgtaa cctgggcaga cttctactgg gatatctgca 300

gcaccacact tttggtttta aagcctggct tgttggatat ctaccccaaa ctggtgtcat 360

tacggaacaa agtccaagct atccctgcca tttctgcctg gatactaaag aggccacaga 420

caaaactcta gatgaatcag gacccatcat cagatgagaa ctccattagc tggctagagg 480

atccacatac ttctcaccaa taggactgta actttgtagt actctgcttg ctgt 534

<210> 1613
<211> 562
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (509)..(509)
<223> n is a, c, g, or t

<400> 1613
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cagatgactc aggagcagct tcagaacgag ttggagaaag ttgaagggga caacgccgag 120

ctgcaggagt ttgccaacac cattctccag cagatagccg atcactgccc tgacatcctc 180

gaacaagtgg tcaatgccct ggaagagtcc tcctgatgtg ctcctgacaa ggagggtgac 240

caaggagcca gagagggaac ctgaggaaca ggtgtctgag ccgccaccac accagactct 300

gccagctgga tgtgccagtc cggccgtcgg tgtctgtcat cgtactctgc cttctgcttt 360

gaatgttgcc tgctcaagtc tccctggtct ccatgaagaa ctgcccttgg catcagcagt 420

ggagtgctgn gagctgcact ctgcccttcc agaaacagga agccagaagc cactcagctc 480

atctggagcc cactcagatt ccgtgctcng ggagcttgga gctgaagctt tagcacgagt 540

gctttctcct cagagggtta ca 562

<210> 1614
<211> 559
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(198)
<223> n is a, c, g, or t

<220>
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<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (517)..(517)
<223> n is a, c, g, or t

<400> 1614
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tacccaaaat gtgcttctct gtctgtcatt cctttctggt tgggactcag tgaaaaagtt 120

tctctttcaa aacagctcag naaacagctt ncccttttntg naagcctgaa cttttcgnaa 180

gtaatcntaa ttnttgnncc tgttacttgg accaccattt ttcttagcnc ttgttattat 240

gtttcctgng caacattagt gggttantgt ttntcantnc tnttcatana taaatcccat 300

tgaagtnagc tctgttttga attgaaccct gttgtcccag acctcagtgc tgggaaagtt 360

ggggagtaca caatgaatga gaaancattc cgaagtaagc ttacttgctg ggctgctaag 420

atggctcagt ggaggcagac acatgaccac caggcctgac aacctgagtt tgatccccaa 480

gacccacatg gtggatggga gaacgggttt ctttaanttg tctttttgac ttccatatgt 540

gtggtatggt gtgcaccca 559

<210> 1615
<211> 591
<212> DNA
<213> Mus musculus

<400> 1615
aaacagtgcc tgagtgtacc attcactttc atggctttct tactaatgac agtattatcc 60

ccatcaaaat ccacagccga tctgatgcct gtgatgatga agactccgaa gaaagcctaa 120

gctctgagga gagccatggc catggaagca gccacactgg aaggctcaag ctccagatta 180

gccagaggtg tgtgcaagaa gcaagttggg accttgataa aattgagatc ttacaggatg 240

acatcagtat cacgagcagc tggcttggcc ttgatgaaca atgcaagggg gatgctgaca 300

gtatctggag ccttactgat gaggagctca tggcctgtga ccaagagaag gacagtagct 360

cagagtctga ggagaattgc tccccaagcc ctgggtgctc cttcaatgaa gggttctctt 420

ttcagctctt taaacctaac cgggtcccca aggttgatag atggtcccgt ttcctctttc 480

ctctttcctt tgggctgttc aatgtggttt actggttata ccatgtctat tagtttctca 540

tacaccacag ccgcggagat actatgatat gtttccttta tggtttcttc g 591

<210> 1616
<211> 528
<212> DNA
<213> Mus musculus

<400> 1616
aaatgctgtg cgttaggagc cgctctgctt ttgaacaaca gcatcaccat ctgctgcatt 60

gtctggagaa gactacgtgt cacgagttca cagacgagct aactttcagt gaggcccttg 120

gagcagtctc actgggtggt cgcaccagcc gcagtacctc agtatcatcc caaccaatgg 180

ggcctgggag cctgttctca tcctgctgct ctcgaagggt caatcgcaga gccatccgcc 240

ttgccaactc tactgcctct gtcagccgtg gcagcatgca ggagctagac acactagcag 300

gtcttcggag gagccctgcc cctcaaaccc gctcaagcct caatgccaag ccccacgaca 360

gccttgacct gaactgtgac agccgggact tcgtggccgc catcatcagt atccccaccc 420

cccctgccaa cacgccagat gaaagtcaac cttcctcccc tagtggtggt ggcggcagtg 480

gtggcacacc caacaccact ctcaggaact ccagcttggg tactccgt 528

<210> 1617
<211> 533
<212> DNA
<213> Mus musculus

<400> 1617
tgagtagcta ctgggctctt tctattcaaa aacccattgt agcttagctg actatctagg 60

gttggccctg ggagtaccaa gaaagggtac cttggttatc cttggtcctc cctaggtgac 120

attgtcccca ggtatacaag aaggaagggt gtaaagaaac cttaacattg gctcctttgt 180

tgccagacat gggaagcaac tgggacagat gcctcaaggt ctaggaggag aataggcaac 240

agaggcactt gggcttccca ttctggcaag tactctgcag gtgaggaaga ctcccaggga 300

gctggaagaa ggaccaggat aggaccaata gaccttcctg tcattcctcc ctctgtctgt 360

ctccctaata aaagttgcag ttcattttcc acatggaaaa aatttccttg gaccaggtat 420

atggtgggca cagaagctga aatacaaaga ttcgcacacc catagacata cctatgttca 480

ggaatctgtg atataagcaa ccaagactgt atttttgaga gcaggtcccc agg 533

<210> 1618
<211> 545
<212> DNA
<213> Mus musculus

<400> 1618
agagtctcta atgttgccta ctcccacgga caagaacagg caaagaagga gaaagtatac 60

aaggagatga cccagctgaa gtctcaaata aaccgcctgt gccgcccttg cccctgggac 120

tggacagtct tccaaggaaa ctgttacttc ttctccaagt tccaacagaa ctggaatgac 180

tctgtcaatg cctgcagaaa attggatgcc caactagtgg ttatcaaaag tgatgatgaa 240

cagagcttcc tgcagcagac ttctaaagag aaaggctatg cctggatggg cctgtcagac 300

ctgaagcatg aaggcagatg gcactgggtg gatggctcac atctgctgtt cagtttcatg 360

aaatattgga acaagggaga gcccaacaat gaatgggaag aagactgtgc tgaattcaga 420

ggcgatggct ggaacgatgc cccatgtaca attaagaaat actggatctg caagaagtct 480

gctatgtcct gcactgaaaa atgatatgtc atctatctgt aacacctgtt ggcaaaatga 540

ccctg 545

<210> 1619
<211> 467
<212> DNA
<213> Mus musculus

<400> 1619
cttcctaggc gcagagctgg gttgcgccaa ggctttctac cccgcgtcct tgagtccccc 60

cgcagctggc acagcggcta gcctgtccac tgcactcctg cgtcagggcc tcaagacgga 120

cgccggcggt ggtgcgggtg gcgggggcgc ggggacaggc cagaggcctt ccttttctat 180

agaccacatc atgggccacg gtggtggcgg ggccgcaccc ccgggcagcg gcgacggttc 240

tccgggatcg ccattcgccg cagccgcagg tcctgggggt caagcccaag tcttggccat 300

gctgactgcc ccggccctga ctccggtggc tggccatatc cgcctctcgc acccagggga 360

ctcactcctg tcttcagggc cctcgtttgc cagcaaagtc gcgggcctca gtggctgcca 420

ctttgaccg caccgggctc cgggccagtt aggccttcac tccttaa 467

<210> 1620
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (364)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<400> 1620
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atgggagact ataagaagaa tggttgtttt attatatatt tgaatatttc catatgaaat 120

tgtgaatact acttaatgac aggttgtctc ttcactggaa tgatgatgct ctttgttaca 180

cagagctttt tagtttcatg aggtcccatt tatttttgtg tgagggtaca gtatttcaat 240

gaaggtgatg tgatcactcc tgtttggaag ctgaatcaat gaaaacacaa gtgcctgtaa 300

tagaatatca ttgccttcaa ctactgacta aaacctttgg ggggttttga tttgagctca 360

gacnntanag nattntattn tttatgtgaa agaaatntac aatccttgtt ntgacaaact 420

agtncaccca gagaacaaga caggatctgt catgtttgcc aatcaatgct ggtggtgtaa 480

atcacacctg ctgatgtca 499

<210> 1621
<211> 497
<212> DNA
<213> Mus musculus

<400> 1621
aacaccatga agctctgcgt gtctgccctc tctctcctct tgctcgtggc tgccttctgt 60

gctccagggt tctcagcacc aatgggctct gaccctccca cttcctgctg tttctcttac 120

acctcccggc agcttcacag aagctttgtg atggattact atgagaccag cagtctttgc 180

tccaagccag ctgtggtatt cctgaccaaa agaggcagac agatctgtgc taaccccagt 240

gagccctggg tcactgagta catgagtgac ttggagttga actgagcagc tccagcggca 300

gggcaggagg agccacttca ggagaggcct cctcagccct gatgcttctc actgagaagc 360

gtccttgctc ctcacgttca gatttcctgc ccctcttctt aatttaaatc tctgtgtaga 420

ctttgttttg ttttttgggg ggagtattat ttctattatt tatgttttag ttataggacg 480

cgtgtctccc atggaga 497

<210> 1622
<211> 567
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (112)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (472)..(472)
<223> n is a, c, g, or t

<400> 1622
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tcctccagtt gatagagaaa aacaacccag cgaaggcgcc ttctccgaaa annnngcnga 120

gaatgagagc ggcggagaca agccccccat cgatcccaat aacccggctg ccaactggct 180

acatgctcgc tccactcgga agaagcgatg cccntacaca aaacaccaga cgctggaact 240

ggagaaggag tttctgttta acatgtacct cacacgggac cgcaggtacg aggtggcccg 300

gctgctcaac ctcaccgaaa ggcaggtcaa gatctggttc cagaaccgca ggatgaaaat 360

gaagaaaatc aacaaggacc gagcaaaaga cgagtgagcc ttttaggggc tcatntaaaa 420

agagagcaag ctaganaaga aaaagaaagg actgtccgtc tccctctgtc tncctctccc 480

ccaaacccag cctccacccg cacaaagggg ctctaaatcc caggcctcat ctccccactg 540

gcagtccgtg ctcaggctgg ctcttag 567

<210> 1623
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

<400> 1623
gtcactggag ggtcttagat ccccaaagcc cctagagctg agttctcaga acttgaagag 60

ctggggagga ggccttcttg gctcttggct gccctctggc ctcaagaccc tcaaacccag 120

gtgcctccaa cctcagaaca tttggaaccc cacctatggc tcctggaccc caaggggccc 180

ccagggtgaa gatacaggca ttgaacantg caatggctcc tcctcaagtt ccattccagg 240

catccagtag gctctgcccc tgnccctgtg ctgcatgttc aggcatgttt cagggatgtg 300

cgggcaacct ggcctcccac actggaaact agcccagacc ctcttgggga aggtcctagg 360

ctactttcag tctttggtct ttgaaaccag aggccatcca cccactgcag gagtcagttg 420

ggaancctgg attgtccact cctcataagt atctttnctc tgctcattcc agggctacaa 480

atg 483

<210> 1624
<211> 466
<212> DNA
<213> Mus musculus

<400> 1624
aatttccaat gctctcctaa cagataagct ggagtcacag aaggagtggc taaggaccaa 60

gaccatccaa ttcatcttga aatcacttga agaatttcta aaagtcactt tgagatctac 120

tcggcaaacc tagtgcgtta tgcctaagca tatcagtttg tggacattcc tcactgtggt 180

cagaaaatat atcctgttgt caggtatctg acttatgttg ttctctacga agaactgaca 240

atatgaatgt tgggacacta ttttaattat ttttaattta ttgataattt aaataagtaa 300

actttaagtt aatttatgat tgatatttat tatttttatg aagtgtcact tgaaatgtta 360

tatgttatag ttttgaaatg ataacctaaa aatctatttg atataaatat tctgttacct 420

agccagatgg tttcttggaa tgtataagtt tacctcaatg aattgc 466

<210> 1625
<211> 499
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (128)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<400> 1625
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cctctggcct ttgtacccac gtgcacataa ccgcaaacag acacacccac gctatttttt 120

tagaagtnnt tnnttttttt aantaggggt ggaaaancag gctggagaga tgactccgtg 180

gttaagaaca gttgttgttc ttccagagga cccaggttca gttcccagaa cccacaaggc 240

nagtctccca actattcata attctagttc aagtggatcc agcaccctct tctaactgat 300

actgccagta ccaggcagcc atgtggtgca tatgcatttg ggcaggtaaa acactcagac 360

acncaaaaaa ttttaaatct aaattttgaa aatattttag ttttaaggat gatcactgtg 420

tgagggtcag gtctcttatg tatgaatgta gtaccaagaa ctgtgatgag tatatgtatg 480

ctccattcta tagtctcct 499

<210> 1626
<211> 515
<212> DNA
<213> Mus musculus

<400> 1626
aggcagaggc tccttctgct acctgctccc ggtaccctgc cctcctcctc cccatcagca 60

cagggaccaa agttctagtc cattgccctc attccacctg gaaaagaaac tctgaaaagt 120

ccggggaatt caatgccggg cccgactttg aagctagctc ctctttatct gggattccac 180

tcagttacgg attggttttt tgtttgcttt tttgttgttt ttaatgtaaa tatctagaat 240

tctaaccagt ctcatatatc aggaaaaacc agggttgatt aaagtttaac actgtatggg 300

gggaggggtt ggttgaagac gcatgccatt tgccccctg tcttttcaga acttgatgag 360

aagaggggtt tctttattgt ttttgttgtt gttttaaaat gaaatcattg aagttgccat 420

taatatagag agttaaactc cgtaggtctt gttttctgaa aattttcatg ggggagaatt 480

ttaaatccag gtctctggaa gtccctttgt atgtg 515

<210> 1627
<211> 551
<212> DNA
<213> Mus musculus

<400> 1627
gaggcatctc tcttcttgga caattgcaca gccagcagca tctcctgaaa atggtgccag 60

aagcagcagc ttggatgaat atggtcttaa ggctatggat cagcactcac tgtccatgcc 120

caagaccccc tctgcacttc ctctggagcc gtggcacttc tcctccctag cgaggccagg 180

cttcatagcg cctgcctact tccctgtctt tcccgacagg catctgactc cagaggtcta 240

ccgtgtcttt cccgacaggc atctgactcc agaggtctac catgtctttc ctgacaggca 300

tctgactcca gaggtctacc ctgatgggag atgtgggccc cttcaacatt tagtccagca 360

agatagatac caaaaccatc ctctggaacc tgctgccagg gagaactgca gccctgccaa 420

gatagctgga agcacaggat cgctcatgaa cctgcctccc taccctgtcc actacaagaa 480

gaaaatctgt gctcgtggag ctgccagtgc cagtcttgat gatgaaagaa gcccatctcc 540

aaagcgaaga a 551

<210> 1628
<211> 139
<212> DNA
<213> Mus musculus

<400> 1628
gaagtctgcc aggttcaaat gttgcatagt tttattcctg gaaccaacat agatttctat 60

agacaaggct gtcattgagt ttgagacact actgcctcag cttcccaagt aacgtggatt 120

accaccctaa gccaccatg 139

<210> 1629
<211> 530
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (500)..(500)
<223> n is a, c, g, or t

<400> 1629
gagaactgat cccagtctgg ttctgntgct acaccagtgc tgggccacgc cnaccaccag 60

ccccctttgag cagccccaat ggcctattct gtcagatggg tgtcctttca agggtgacaa 120

ctacagaaca caagtagtgg ccgcagacan ggaggcgctt cccttctggt cccactatca 180

gcgcttcacc atcaccacct tcatgctcct tgactccagc tcccagaatg cccttagggg 240

acaggtctat ttcttctgta gtgcctctgc ctgccaccct ctggggtctg atacatgctc 300

tactacgtgt gactctggga tagcaaggcg tcgacgatcc tctggtcacc acaacatcac 360

tctccgggcc ctggacattg taagctctcc aggggcagtg ggctttgnng atgctgctaa 420

acttgagccc tcaggttcca gcaggaactc cagctcaaga atgctgctcc tgctgctggc 480

catcacccta gccctggcgn ccgggatctt tgtgggtctg atctgggcct 530

<210> 1630
<211> 352
<212> DNA
<213> Mus musculus

<400> 1630

caatctggag ctgggatgga gttacgggtg cagccaaggc ttacttagca gaagtggttt 60

ttaaaagctg gaccacaggg cctccagaag gcagagcctg ccttgacaac tgcccttgac 120

agggaagccc cacactagta gtttagatgt tttgggggct gcctctggtt tcttggggct 180

tgatactcag atctgctccg gcgtcacact ccagccttcc gcatgtcctt gccaggtgcc 240

ctcagctcag acctaggacc cttagtcatt tcttcacaag tatttctggt ctgtcctccg 300

tgctgacaga ttgagtcaga atgactttaa attcaaaatc aactcaggct ac 352

<210> 1631
<211> 526
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

<400> 1631
gctcacggac ctgcagtaca ttaagatcac aaggcagcag taccagaatg ggctgatggc 60

ctcccgcatg gacaacagcc cccagcctac cttcgatggc tgtgccacct gctcagagaa 120

ctttatggag aggcctgagc tgcccccggt ggacgagacc acgactcttc tcaatgaacg 180

caactcgttg ctgcacagag cctccgaaga ggaaaccatc tgacaggagg gcccggggac 240

tcccgcccac cctgcngggg tctccccagt gggcccacat gaagtcagga gcctgttagg 300

ctagaagggg tgcaggtaga tatcctgcat gactgagcaa ccagacatcc ctgtccaggg 360

gctctggctg cagataggga cctctgaaca gctctgacat gatgcctgcc ctgcccagct 420

agtgagcaaa ggctgttggg ttgttgttgg ttttttttt ttttttttt ttttttaaac 480

actgagagaa gttttaagct aggctcattg ctcctctttt aaaata 526

<210> 1632
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<400> 1632
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attccaggag ccttctggcc caggccagtg taatggtgga gtctatatag aatcactaca 120

agatagttca tctttgtgga tctgcagaga tctgcttcaa agggggagtg tttctactca 180

gcaattgtta tatatgttta acaataacag taaaagcaca ttaatagcag gaatctctcc 240

taaaacgagt cactcatagc cttgcttaat gagggctcac ntgtcacaga ttanatanta 300

ntntgaggca ggccacttca ggatnatcac ctgctagtta ttagcttgtc tcattatggg 360

tcctgaccat ttttttggat ttatttcacn tcaaatgtga gttaaactcc ttaggcattt 420

aatanttaat tttacactag catgtgcatt actgagcctt taaaaaaata ttgnaaatct 480

tatagattga gctaccatgt actgatgagt ccc 513

<210> 1633
<211> 531
<212> DNA
<213> Mus musculus

<400> 1633
atggaggtgg ctggaccctc atccagcacc gggaggatgg aagcgtaaat ttccagagga 60

cctgggaaga atacaaagag ggttttggta atgtggccag agagcactgg ctgggcaatg 120

aggctgtgca ccgcctcacc agcagaacgg cctacttgct acgcgtggaa ctgcatgact 180

gggaaggccg ccagacctcc atccagtatg agaacttcca gctgggcagc gagaggcagc 240

ggtacagcct ctctgtgaat gacagcagca gttcagcagg gcgcaagaac agcctggctc 300

ctcagggcac caagttcagc accaaagaca tggacaatga taactgcatg tgtaaatgtg 360

ctcagatgct gtctggaggg tggtggtttg atgcctgtgg cctctccaac ctcaatggca 420

tctactattc agttcatcag cacttgcaca agatcaatgg catccgctgg cactacttcc 480

gaggccccag ctactcactg cacggcacac gcatgatgct gaggccaatg g 531

<210> 1634
<211> 588
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (550)..(550)
<223> n is a, c, g, or t

<400> 1634
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tgctcagact agtctcggag ggatccagga accaagatgt ctcccccagg tgctcctgca 120

gagccctcct gggcagagtg gacacctctc ctctggcagg gaaggtgccc agatgtctgg 180

agcccgaaaa gggagctgcc tcagaagcta tgtggctcca gcctgtccca gaagctgtta 240

gcttctgtag tccatctgtg cagactagtc tcggtggagt cccggaacca agatgtctcc 300

caccgatcta atctttactt tagattgaaa agttgttcct tagagggtct tgagacagag 360

ttttttatg tagcatgggg tggcattgaa ctcacagtca ttctcntgcc tcanttccca 420

aaanccanga gttcccaaat cattttnat atttntgagt atgagtacct natcagttat 480

gtcttttaca gatattgtcc ccctttgatg ggaaaagata agctttgaag aaatcaattt 540

accttgattn tttcatgctt tttttgtggt ttttgtacca ttcaataa 588

<210> 1635
<211> 559
<212> DNA
<213> Mus musculus

<400> 1635
atttcctttc tattcttctg tccattcttt ctaaccctgg gctgacaccg cagcagcagc 60

agcagttctg aaaagccaag ttcatccatg tggccacatt catctgccac actctgcctt 120

ctcttttgag tattgatgga gctttcatga accatggtca gccccaaacc aaagtcatcc 180

cataacaggt gaccaacgag gccaacctaa ggcctgccaa ccctcagatc ctccccttcc 240

acctccattg tcctctccct gtgtgctcag gggcagctaa gaatacaagc atgatcctaa 300

gggaacgtat gtgattgttt cataagacgg atgctaggac ttgtgttgtt tttaaggttt 360

tctctgctca gcctcattcc atgccaaagt gctgctgcta taggcctctt tgtgttgcac 420

aaaattgctt tccactatat tggacatgca gctttcctta ggggaagcct gcaacaggat 480

ggccattctg agccagcaaa cctgttggat ggtggtttgt gaaagtcaat tgcagagata 540

tagcactacc atccctata 559

<210> 1636
<211> 539
<212> DNA
<213> Mus musculus

<400> 1636
gaatcttccc aaactcaatc caaggatatg gaaatgtcct catcaaagga gaacgttttg 60

ggacagtgtt ggaagagatt tctatattta ttggaagtca gcaattcaga gtaatagatg 120

ttaatgaaaa taatattact gtcctcatga ctccactaga agctggactt cattctctca 180

gtgttgttgt tgggtctaag ggcttggctc taggaaatct aaccatcagc agccctgcag 240

tagcttctgt ctcaccaacc tctggaagca ttgctggtgg aacgactttg atgataacag 300

gcaatggatt ttctcctgga aacaccacag ttactgttgg ggatcagcct tgtcaaatta 360

cgttcatcag ctccagtgag gtctactgta gcaccccagc tgggagagct ggtacagcca 420

atctgaagat tagtgtcaat gcgatcatct acccaccttt gtcatttaca tatgccatgg 480

aagatactcc atttctcaaa agaatcatcc ctaatagagg tactccagca tctacatgc 539

<210> 1637
<211> 484
<212> DNA
<213> Mus musculus

<400> 1637
tctgcgattc cgtgggctgt gtaaccagtg ctttgggatc aggacaaacc ttagcagcag 60

gtaagtaagt atgtttcaat gaatatgaag aaaaacattc acattgagag taaatgcctc 120

caggtctgct gtactttgga cttcatatat gtcgttgctg ttctctgctg cttcccagca 180

atcccgaatg tggtttgtct tgagattttt aaacaaaact aaaagcacta gccaagggtt 240

atgggcccat cagaagaaga gccctggatc agatagggaa agcgaatggt tcctctgctc 300

agcagctaac tagggcctct gaatttcctg gcattgtgag atgcacttag gagccatcct 360

atgaggtcac atgacatttc ttctttaaat cataacttcc ctcctcctat tggatctgta 420

gactcctgtc tcatgagact ccctggcaac atctgagttg cctgtcacta gatgtttcct 480

gttt 484

<210> 1638
<211> 541
<212> DNA
<213> Mus musculus

<400> 1638
gaattgtggc cttttctgaa gccagctctt ctcagccaaa aaacacgccc tgtcttaaaa 60

gtgaccttgg aggagatcgg agggatgttc tgaaacaatt ttttgaaggc agccagctga 120

gtgaaagaac tgctggcctt actcctgagc agctcgtcat tggtattcct gataaaggct 180

ctggcccaga tagcatacaa agtgaagtcc aaggaaaaga gggtgagatg cagcaacaaa 240

ggccacctac catcatgaag ttgccatgct ttggctccaa ttcaaaattt cactcttcta 300

ccactggacc tccaattaac aacagaagac caaccctact taatggtgct ctctccacac 360

ccactgaaag tcctaacaca ttggttgggt tagctactag ggaacaactt aaaagtataa 420

acgtagataa acttaatgca gatgaacaca ctacactcga atcttttcaa ggaaccagtc 480

cacaggacca aggctgctta ctgcttcagg cttagggatc gcttcaactg aacatccttg 540

g 541

<210> 1639
<211> 440
<212> DNA
<213> Mus musculus

<400> 1639
gaatttcatg cctatatata atgcctttca ttactctagt ttctctctgt ttttgttgct 60

cccacaccca tcaacaactg ttcttctcaa aaaaatcctg tattcctata ggaaattttg 120

tttttaagat gggaatcttg ctatatatcc tagctgacct agaacttact atgtagacca 180

agctgggccc aaaatcacag tggtcctcct gcctctgttt ccctatggct gggactccaa 240

atcattggtc ctgatctgta atctttaaat tcagttctta gaatttgatg ttgactaatc 300

cattgtcatt gtgtctccca gcctccaatg tgctcacacc ttaagtttta ctaatcccaa 360

actcagaatg tcagactttc aagttcactg tttataactc tttttcactt gttaaatgct 420

atcattgcac tcgaacctac 440

<210> 1640
<211> 323
<212> DNA
<213> Mus musculus

<400> 1640
gggatccatc ccattattag ctccaaacgc tgaaaccatt gcatacacta gcaagatttt 60

gctgaaagga cccagatata gctgtctctt gtgagactat gctggggcct agcaaacaca 120

taagtggatg ctcacagtca gctattggat ggatcacggg gcccccaatg gaggagctag 180

agaaagtacc caaggagcta aaggggtctg caatcctata ggtggaacaa cagtatgaac 240

taaccactac cctccccgcc ccacagagct catgtttata gctgcatatg tatcagaaga 300

tggcctggtc ggccatgatt gga 323

<210> 1641
<211> 394
<212> DNA
<213> Mus musculus

<400> 1641
tctgcgctct gctagtgtca tgctgcaggt gctagtggtg gatggcttct ctcagcccta 60

cctgcctctg ccagaggtgg cgctcaaccc cacacaggaa gaagacatgc tcactctcta 120

tctggttatt gccttggctt ctgtgtcttc acttttcctc ttgtctgtgc tgctgtttgt 180

gggggtgaag ttgtgcaaga aggccaggga ggcttctctg gctgactgct ctattcctga 240

gggacacttt cctagccact tggtggatgt cagtggtgcg gggaccttat cccagagtta 300

ccattatgag gtctgtctga ctgaggactc tgggacctca gatttcaagt tcatgaaccc 360

cattattcct agtagtctcc ttcaggactc ttag 394

<210> 1642
<211> 458
<212> DNA
<213> Mus musculus

<400> 1642
acgtggccaa tgctactgtt gtcaaagtgg atgcagaagt agacggagaa aatgctacaa 60

aacctgaaga agaggatgat gaagtcaaat ttcccccaat agtcatcaaa acaacatttc 120

ctgaagagct gcagagattt ttgccccagg gggaaaatgt ccacactgtc attctagact 180

ttacgcaggt caattttgtg gattctgttg gagtgaaaac tctggccggg attgtgaaag 240

aatatggaga tgttggaatt tatgtatatt tagcaggatg cagcccacaa gttgtgaatg 300

acctcacccg caacaacttt tttgaaaatc ctgccttgaa agagcttctg ttccacagta 360

tccacgatgc agtcctgggc agccaagttc gggaggcaat ggctgaacaa gaagccacag 420

cgtcacttcc ccaggaggat atggagccca atgccaca 458

<210> 1643

<211> 554
<212> DNA
<213> Mus musculus

<400> 1643
gaacctttgt ggacatggac accttcatgt attgatagtc tgactcttct aaataggtct 60

gaaaaagcag cataagtttt taaacagtga agcatcaatg tgttgagagc aaatgttcat 120

ctaataagcc atgagccaaa caagacaaaa agtctacatg agaggcaaga gagattctgc 180

aaagggtatt tgtgccaaga aggtatacag taccacagag ttgtgtcctc agtgagagtg 240

ggaaataagt ttctaattta attctaatta ctggctcctc agtaattcag gaatcgtgcc 300

atcatttccc tgcttttaaa gggagaagtt tagctaaaga cacattccag gtgtcactaa 360

cagttccaaa gctaggtgac taaatgttca gctagagctg ttaaaaggaa aaccagctaa 420

ttatcattcc agtccaatgc tatttttgaa ttactatcta cttaagattt ctcataattt 480

gtgctcaggc agcacaataa aaaggggggg gcaaaattac taagtgacag ttattctgca 540

tctaagtctg tgac 554

<210> 1644
<211> 364
<212> DNA
<213> Mus musculus

<400> 1644
tggcttcatt ctcagtgggc tatctgaagg tcaactggga tcttctcgga gagctgggtc 60

tggctgtctt ctcagctgtc atcgcaggat ctctgtttct caaaaattac tcacgcagca 120

tctgggtgtg ctatgctggg tatctactgg tcaagtcgag ctattcgttt cttataacca 180

tcgcagtctt tcagattgca gttaacctga gcttagaacg ttatgccctg gtgttcggca 240

tagacacctt tatcgccttg gtgattcaga ccatcatgac tatgattgtg gtagatcaaa 300

gagggctcca actgccagtc actactcagt ttttagttta tgggagttac ttcgctgtca 360

ttgc 364

<210> 1645
<211> 460
<212> DNA
<213> Mus musculus

<400> 1645
tatatttaca caactaggcc acctagcaat caccaactca gagacagtaa aagtcctaca 60

aaggccagac gaatacaatt aactaggggt gagggcagca tttgggggga gagggagaca 120

agaaaccaag atcagacaca cacacacacc acccaatgtg ttctattgca tttgtcccgt 180

ttcaacacag tgaggtaggt ttgtggcgat ctcaaagcat gtaaacgaaa ctccccaccc 240

cctctttcct ttagctatca accatcacgc tacagcaggg caggacactt gccactgagg 300

cccatactca tgagtctctc agaaagccaa gattgtgaaa ggctaaggag ttgagtccct 360

gcctcatgtt cccatgcctg gacagcacag tgtgggaata agggtactgg tcttaagttg 420

cattcttact gggataactc agtggcagtg tacttcctag 460

<210> 1646
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

<400> 1646
ggaattcact ctgcataacc atctacggga aggtgcccag tacctgttga gcggnctccg 60

tataggcccg gcnngcatcc gcnctcatac ctttgtgggt gtccatgtgc gtcgtggaga 120

ctatctggag gtgatgccca atcgctggaa gggtgtggtg ggtgaccgag cttacctcca 180

gcaagccatg gactggttcc gggcccgaca caaagacccc atctttgtgg tcaccagcaa 240

tggcatgaaa tggtgtttgg agaacattga cacatcccat ggtgatgtgg tcttcgctgg 300

caatggacag gagggtacac cngggaagga ctttgcactt ctcacacagt gtaaccacac 360

catcatgact attggcacct ttggcttctg ggctgcctac ttagctggtg gagacacggt 420

ctaccttgca aacttcaccc tgccagattc ggagtttctg aagatcttca ggcctgaggc 480

tgccttcctg ccngagtggg tgggcatcaa tgcagacttg tcccc 525

<210> 1647
<211> 309
<212> DNA
<213> Mus musculus

<400> 1647
gagttactcc agagaaagca ggttttccac tcttatggcc atcagggaaa cctttcttat 60

cagtctcatg gccctgtcca gtgggtacat ggtagctctc ctatggaggc acaagaagca 120

ggcccagcat cttcgcagca ccagcctttc ttcaaaggca tccccagagc aaagggccac 180

caggaccatc atgctgctca cgagcctctt tgtggttctc tacattttgg aaagagttgt 240

cttccaatca aggctgaagt tcaaggattg ctcagtattc tactttgtcc atattattat 300

gtcccatag 309

<210> 1648
<211> 502
<212> DNA
<213> Mus musculus

<400> 1648
tgagaacgat gggttacatg cctacagaga tggagttgac tgagttgggc cagcaaatcc 60

gaatgaacct tggtggccgt gtagactttg aagactttgt ggaactgatg acccccaaat 120

tgcttgcaga gacagcaggg atgattggtg tccaggagat gcgagatgcc ttcaaggagt 180

ttgatgccaa tggagatggg gagatcacac tggcagaact gcagcaggcc atgcagaggc 240

tgctggggga gaagctcaca ccccgggaga ttgctgaggt ggtacaggag gctgatatca 300

atggagatgg cactgttgac tttgaagagt ttgtgaagat gatgtctcgt tgaagaggta 360

atagaagctc cagacacctg ctgccttgtc aacatggctg agcacttgta gagcactgga 420

tacccagaat accttaaagg atggagggtg ggagtaggct tgccccagta tggactgggg 480

tgcaactgca aacacttgct tt 502

<210> 1649
<211> 505
<212> DNA
<213> Mus musculus

<400> 1649

ttggtctttt tgctgagtct ggatgtgatc cctcccactc tggctcagga taactacagg 60

tacataaaat tcctgactca gcactatgat gccaagccaa ctggccggga ttacagatac 120

tgcgaaagta tgatgaagaa aagaaagcta acctcgcctt gcaaagaagt caacaccttt 180

attcatgaca ccaagaacaa catcaaggcc atctgtggag agaatggaag gccttatgga 240

gtaaacttta gaataagcaa ttctcgattc caggtcacca cttgcacgca caaaggaggg 300

tctcccaggc ctccatgcca gtacaatgcc tttaaagatt tcagatatat tgttattgcc 360

tgtgaagatg gctggcctgt ccacttcgat gagtctttta tcagtccgta gacagcaggc 420

ccctggcaca gacctaggtc tgttttcttt ttatctcccc tcacagccat gatcactggt 480

tcagcattca ctgtcagtgg ccaga 505

<210> 1650
<211> 524
<212> DNA
<213> Mus musculus

<400> 1650
aagtcacttt gccagaaaca gctcctcatc ctgctgtcca aggtgcgact gtgcgggggg 60

cgtcccacgc gacaggaccg cggcccagag cctcagctca aaggcatcgt caccaaactg 120

ttctgccgcc agggtttcta cctccaggcg aatcccgatg ggagtatcca gggcacccca 180

gaggacacca gctccttcac ccacttcaat ctgattcctg tgggactccg tgtggtcacc 240

atccagagtg ccaagctggg tcactacatg gccatgaacg ctgaggggct attgtacagc 300

tcgccacatt tcacagcaga gtgtcgcttt aaggagtgcg tctttgagaa ttactatgtc 360

ctgtatgcct ctgctctcta ccgtcagcgt cgttctggcc gggcctggta cctaggcctg 420

gacaaggaag gccgggtcat gaagggaaac cgagtcaaga agaccaaggc agctgcccac 480

tttgtgccca agctcctgga ggtggccatg taccgggagc cttc 524

<210> 1651
<211> 532
<212> DNA
<213> Mus musculus

<400> 1651
ggatggcctg gactcttctg acaccgctgg tctgctggcc tcctgggact ggaaaagcag 60

agccaggccc ttggagctgg tccaggagtc ccccactcaa agcctctccc cagctccttc 120

tctggagtcc tactctgagg tcgcactgcc ctgcgggcac agtggggcca gcacaggagg 180

cagcgatggc tacggcagtc acgaggctgc cggcttagtc gagctggatt acagcatgtt 240

ggcttttcaa cctccctatc tacacactgc tggtggcctc aaaggccaga aaggcagcaa 300

agtcaagatg tctgtccagc ggagacggaa ggccagcgag agagagaaac tcaggatgcg 360

gaccttagcc gatgccctcc acacgctccg gaattacctg ccgcctgtct acagccagag 420

aggccaaccg ctcaccaaga tccagacact caagtacacc atcaagtaca tcggggaact 480

cacagacctc ctcaacagca gcgggagaga gcccaggcca cagagtgtgt ga 532

<210> 1652
<211> 472
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<400> 1652
aagtggttaa tcctcactcc ttcacacacc tcttcattat gaagtggagg tgagaggtac 60

tgagtttcct tttggcatta ctattccaaa aggaatgatt attcntggta attaattgtg 120

cagtgcctgt agtaccttgc tccaaatgga tcaccctgca aatcattaat aantgaagtg 180

gttttattag tttcaagcag aatttnncac tatttctcag acttgcaaaa gtgaaaggca 240

agtataacat tcacatttag agaggccaat ttctatttca tatctaacat gtatatatat 300

gtatatacat atatacatat atatatgatc tctgtacaca taaattttat atgtctatgt 360

atatagaagt atccacaaat gacatgtgtg tgtgtatatc cacctgccta taaattatct 420

ctgtgtatta ttntngggct atacataatc acacacatac atctttcagt ag 472

<210> 1653
<211> 451
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(133)
<223> n is a, c, g, or t

<400> 1653
gaaaaataat gttaccctgt agactttggt ttagtggtaa ttcacttact gtttatancc 60

tgttagaccg ngatacaaaa gctgctttat cctctcnctc tgctctctgt gcacaatggt 120

ttgtnnngnn nnntgctaga ctactgtaag gtttccttgg ggaaaggcat ggtaagggaa 180

aacacactgg tttatatttt gaaagccaat cctaatccca aagcaatact gttgtcgagg 240

agtcaacgtt ctaggaagct gacttttcta gaacaaatgt atttattagg atgaattttg 300

gaattttagt ttaaatatta tacattttaa tcctaagcag tcaattgctt atttcattct 360

tagaaattca aagaatatat acaattttag ccaaatgtga gtccctggaa ttccttactt 420

gtggatgtca agggtcacat taaaaggctc t 451

<210> 1654
<211> 401
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<400> 1654
gaatcatttt ctgtcactca tttaaaaata tattgtagac tttgataatc tctaatctgt 60

ttattgaaat agtccttagc cttaacaatt cactgatata tgctgatgtt cattaatgta 120

cactatttgc caatatgtat ttttagagtc ttggcttcat ttgggtggct agcactgatc 180

ttaatgatca ctttattgct gaacatcatt attctttaaa aatgccaagt ggaactaatt 240

tcttaggaat ccagttgatt tncctgtcac gaaacgagaa anccatctnt ctgaaaagta 300

gtaacgcagc aaatntcctc agttntntgg tggacagagc tngtgtgcga ggctcaagga 360

gcattagaat cccaggatgg gctggacctg gatttttcag t 401

<210> 1655
<211> 396
<212> DNA
<213> Mus musculus

<400> 1655
gacaaactcg gctgcttcag tgatgatgcc ccctggtcag gaactctaga cagacccctg 60

aaagcactgc cctggagccc agcacagatc aacacccgct ttctcctcta caccaacgag 120

aatccagaca actaccagct aattacttca gatgcatcaa acatcagaaa ctccaatttc 180

cgaacaaaca gaaaaacccg tatcattatc cacggcttca tcgacaaggg agaagaaaac 240

tggctatctg acatgtgcaa gaacatgttc cgagtggaga gtgtgaactg catctgtgtg 300

gactggaaag gcggttcccg aacgacatat acccaggcta cccagaacgt ccgggtcgtg 360

ggggcagaag tggcattgtt ggttaacgtt ctgcag 396

<210> 1656
<211> 357
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<400> 1656
tccagctagt actccaggtc tctgtctccc acccccttcc attttgatag tataatctat 60

ttttaaatgg ggcttttcaa tagggnagag ggaaacatct cttcctatat cagatgggtg 120

ggtaggcggg tgggtgggaa gtaagggatt tggaggcggt cttcctgcca cccccaagtg 180

tttatttttt ataccaaaca tgtatttttg gctccctccc agccccccaa tttcctgcag 240

gcgggtacaa aggacccttt taagtgtccc tggagttggg agggaggaat gggggacatg 300

gagcctgtct tatatcaatc taggctggag gaggtggatc aaaagactcc caggctc 357

<210> 1657
<211> 488
<212> DNA
<213> Mus musculus

<400> 1657
tcggtgaccg gttctgagga tccaagccta ttggggattt gctctccaga catctgtgtc 60

cccacttgaa aacaagttgc atgaagtaag actagaatgt ctagggccct gatcccatga 120

ggtccctctt agagctaggc gtctatctgc ctgtggtgac actctctatg gcaccctcgc 180

ctgggtttgg tctctgatca ctatcccatg acattaatgt caggcagagg cctaggacgg 240

ctctcttcac tgtcccaagg ccacttctcc ttcaggaccc agaggaagag cctaaggcta 300

aagatcctcc tgtatccagg tacaggtgac tgggaaacac tgtgctgggg acagggatgg 360

caaggtgcaa ggctgagtgc tccccggatt ccatccaaac cagagtctga tggagctggc 420

acctttatga ctctctgcgg agaagaaatg gggttctaag gcagcagata ccctaagcct 480

agaggcta 488

<210> 1658
<211> 523
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

<400> 1658

accagcctgg cctgtactcg ggagcccgtc actccggtgc ctctcatcag cactctggag 60

ctgagcggtg gaggtgatgt ggccacgctg gagctgcacg gagaaaattt ccacgctggg 120

ctcaaggtgt ggttcggaga cgtggaggca gaaaccatgt acaggagccc tcgttccttg 180

gtgtgcgtag tgccagacgt ggcggccttc ggcagcgact ggcgttggct ccgcaccccc 240

atcaccgtgc ccgtgagctt gctgcgcgcg gatgcgctct tctaccccag cccnttntnt 300

ttcacctaca ccccggaata cagcgcgctg ccacggctgc ccaacgcgca agagcctgcc 360

cccgacgcgg acacgctcct ggagagcatc caccacgagt tcacacgcac caanttccat 420

ntnttntgcc ccacctaggc agtgccactg aggctgantc caggcccgca gctgtccctc 480

agggaaaaag agcaggaagg agagagatag ctcacctgac ctc 523

<210> 1659
<211> 553
<212> DNA
<213> Mus musculus

<400> 1659
gtggatttca agatgtctcc tggctttccc atgaaattca acagagtaga gcccaacctg 60

gatgcagctc tctactggcc tgttaatcaa aaggtgttcc tgtttaaggg ctcaggatac 120

tggcaatggg atgaactggc cagaactgac cttagccgct accctaaacc aatcaaggaa 180

ctgtttactg gagtgccaga ccgaccctcg gcagctatga gctggcaaga tggccaagtc 240

tacttttca agggcaaaga gtattggcgc cttaaccagc aacttcgagt ggcaaagggc 300

tatcccagaa atacgacaca ctggatgcac tgtggttctc agactccaga cactaactca 360

tcaaccgggg acgttactcc ttcaaccaca gacacagtct tgggtaccac tccatcaacc 420

atgggctcaa ccttggacat tccctcagct acagactctg cctccctctc attctctgct 480

aatgtcaccc tgctaggggc ctgagaacta ttcagtggac actaggccta atgtccctag 540

atactccact tct 553

<210> 1660
<211> 460
<212> DNA
<213> Mus musculus

<400> 1660
gagccttcta cctgggagga acagctaatg ggaggcaaga tacctcgagg aagaccctcc 60

gagccttgac ttctatcttt gccgcctccg tccatgcctg ttggccttgg cctcttggga 120

aggtgcaccg tagccattcc tgctgtatgc acttgatgtc cgagaacaaa atcgccggta 180

agctgctgcc tcccgtgagt agcaggatgg agaaggaacc acctggcagt gtgttcctcc 240

tagctttcaa tcactaactt gggggttgtc cgctcatcac gccatcctcc agttcacaga 300

ctggcctgcc tgctatgcgt cctgagcact ctttctactc ggattctttg tagaaactcg 360

ctgggttaag aaggccagga tgacacaagc aagaccaaat atcattttgc caatgagtct 420

gaggctgtgg tctctggatc cagccatgat gtttttatat 460

<210> 1661
<211> 567
<212> DNA
<213> Mus musculus

<400> 1661
acactcatac ttggtctgct ggttcactag ggcttctagg agctgggggc gccccaggct 60

tctgtagccc aggagtacta gaataatgtc acactcagcc ggccggcccg gaagctccct 120

gtccactgat tcttccaggg gtactgaata atccagtggg ggacaaaggg cctggagacg 180

tctagccgca ggcggctgct ggggcccagg tggggtaggg acagtgaggg actatagaag 240

gaaggcgccg actgtgaagc tgggccatca gcaactcaag actttatctt ctcgagaata 300

ttttttcgaa atctcacact tgacttcatg cagtgatgca cctggcctga gagcccatca 360

gcctggcagt gggctttggg aaggggagct gggacccccc atctctggac cttggggctg 420

agtcctttgc gtccttccct gttccactgc tgggtggcca gtgtccctgc agacccgggc 480

tgctcctctg tacctccctc acagcctggg tcccaccgga cagcgccttg catgtttatt 540

gaaggatgtt tgctttccgg acggaag 567

<210> 1662
<211> 509
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<400> 1662
ttctgggcct tccaagtcat tctgatggct gtacccagtg ccatttatgt ggctttcact 60

ctgtatcatg tgattggata ctgggaggta ccaggaaagg aaaacaagga gcaagagacc 120

cagattagca aaggggatca tagcaaggat gtctcagggg ctaaaagcct caagcttctc 180

tgggcctatg tggcacacct tggggtacgg ctggcccttg agggagcagc tctaggtgtt 240

cagtacaatc tgtatggttt caagatgtcc agcactttta tatgtcgtga ggatccttgt 300

attggcagca caacctgntt ccantctnac ccctctgaga anaccnatct tcctcaacat 360

catgtttggg atcancgggg cctgtttctt atttattttc ttggagcttg cgcttttggg 420

tttagggagg ttttggagga tatacaagca caaactttcc ttcttaaaga agttgccaac 480

ttcagagagc tctgtaagat ccaaggaca 509

<210> 1663
<211> 459
<212> DNA
<213> Mus musculus

<400> 1663
tatgctccac acctatgaat ccggtactgc tgctcagtca gaattcacga gtgatcagta 60

tgatgacgcg ggtccccgct tcacagaggg gcactgaccg ccccctcctg gtgtgcccct 120

tccctccgac tgctggtgac gccaccagag ggcgaggaga agtcacctgc agactacaac 180

cacacaagcc actgaggggt cgaggcgatg tccgtccaga ccaggctgtt ttaaacgttt 240

ccagcttctg gacctcattc ttccctttga tttacttcga gggctctgtt ctttaccgtg 300

tctggctaat aagggttccc aggatggaga ccagagggag ccaagatgcc ctgggcacca 360

gttgctagca ccaaggactg aatctttaaa ggtggcagga cttatgaaga ggaagaaact 420

tttcttcctg gcgttggaag tggctcagca cggaactcc 459

<210> 1664
<211> 596
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<400> 1664
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cacaggactg tgagtcacat tgcagacctg cgcgtggcag ttaccgaatc agcctgaaga 120

agttctgccg gaaggactat gcggtgcagg tggcagtggg tgcacgcggt gaggcccgcg 180

gctcgtggac acgctttccg gtagcggtgc ttgctgtgtt ccgcagcggc gaggaacgcg 240

ctcgacgcgg gagcagcgcg ctgtgggtac caaccctaga cgcggcctgc ggttgcccgc 300

gcctcctgcc nggccggcgt tacttgctgc tgggaggtgg gccgggggct gcagctggga 360

gcacagcggg ccggggacag gggctcagtg ctgcccgtgg aagcctcgtg ctgccttgga 420

gagacgcctg gacccggcgc ctgcggaggc tgcagaggag agagcggcgg gggcgctgcg 480

ggaccgcctg aatctgcaag ctgggcgtgg actgggcggg ctcagctctc ttatcactgg 540

gcgcggcgcg ttcatcagag cactaggctg gaagtgtcac gtgcatcgcc atctaa 596

<210> 1665
<211> 38
<212> DNA
<213> Mus musculus

<400> 1665
aaaggccagg atctagtgtc tcctggtcca agggatgc 38

<210> 1666
<211> 589
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (114)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(188)
<223> n is a, c, g, or t

<400> 1666
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gcnctgcaan gagggnacna gagcctggga ngangcgcnn actcccgtng ggtnntgaga 120

cagacacntt ntntatattt nacctcctga tggcatngga gacnctgagc aaatcatgta 180

gncannnnat gccacaactc aaactgcttc agtgggaagt acagagaccc agtgcattgc 240

gtgtgcagga gcgtgaggtg ctgggctcgc caggagcggc ccccatacct tgtggtccac 300

tgggctgcag gttttcctcc agggaccagt caactggcat caagatattg agaggaaccg 360

gaagtttctc cctccttccc gtagcagtcc tgagccacac catccttctc atggacatcc 420

ggaggactgc ccctagagac acaacctgct gcctgtctgt ccagccaagt gcgcatgtgc 480

cgaggtgtgt cccacattgt gcctggtctg tgccacgccc gtgtgtgtgt gtgtgtgtgt 540

gagtgagtgt gtgtgtgtac acttaacctg cttgagcttc tgtgcatgt 589

<210> 1667
<211> 517
<212> DNA
<213> Mus musculus

<400> 1667
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gatggtgaat accagtctaa tgatgtctgt tgcaagacct gtccctcagg tacatttgtc 120

aaggcgccct gcaaaatccc ccatactcaa ggacaatgtg agaagtgtca cccaggaaca 180

ttcacaggga aagataatgg cctgcatgat tgtgaacttt gctccacctg tgataaagac 240

cagaatatgg tggctgactg ttctgccacc agtgaccgga aatgcgagtg ccaaataggt 300

ctttactact atgacccaaa atttccggaa tcatgccgcc catgtaccaa gtgtccccaa 360

ggaatccctg tcctccagga atgcaactcc acagctaaca ctgtgtgcag ttcatctgtt 420

tcaaatccca gaaactggct gttcctactg atgctaattg tcttctgtat ctgaagaaga 480

taaaggttct acagatggtg tctgtagctt cctttta 517

<210> 1668
<211> 503
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<400> 1668
aaatctaatc cgcatatttc ccatcgactc cgtaatctga tgatgttccc tcttgcactg 60

aataatacat gcctctctca ggtaagccat tttataaaat aagagataaa acgactgtcg 120

agacagtgtt tgcttctgcc gatggtgtcc gacagcaccc tgggcattag ggtggtagag 180

ctnccacgga ggctcccagg ccntagggnc tgagagctca cttgaattgt aagccttctt 240

nctttgata acacagtatt atttctctta ctgtagaaga aaaagtttat taccaaacaa 300

gagtattttt atgaaagaat aggacaaacc tataaattat ctcaacctat atctcccttg 360

aaaatacttt caggctccgc naaaacctag gactgaaagc aagtattttg gaagaaagag 420

atacattttt gtatgctttc ttttcctttt gtagacgccc gacttatttt ctaagactgc 480

aaagatcact ttgtcaccag ccc 503

<210> 1669
<211> 534
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<400> 1669
aaactacgtt gtctacctgg gtcagtcgaa ggagagctcc tataatcctg gagagatgaa 60

gtttgaggtg gagcagctca tcttgcacga atactacagg gaagacagcc tggcctacca 120

taatgatatt gccttgctga agatacgtac cagcacnggc caatgtgcac agccatccag 180

gtccatacag accatctgcc tgcccccaag gtttactgat gctccgtttg gttcagactg 240

tgagatcact ggctttggaa aagagtctga aagtgactat ctctatccaa agaacctgaa 300

aatgtcngtn gtaaagcttg tttctcatga acagtgtatg cagccccact actatggctc 360

tgaaattaat tataaaatgc tgtgtgctgc ggacccagag tggaaaacag attcctgcaa 420

gggcgattct ggaggaccgc ttatctgtaa catcgaaggc cgcccaactc tgagtgggat 480

tgtgagctgg ggccgaggat gtgcagagaa aaacaagccc ggtgtctaca cgag 534

<210> 1670
<211> 521
<212> DNA
<213> Mus musculus

<400> 1670
gaagctcgag ttccggatcc atactgacac ccaacaagct gtgtagcagt atgcctgggt 60

ttgaccccta tggaacttaa atgggcgttt tcttgtccca gattctggcc tatttcaggc 120

tgtttcaaat gtggacagat gggtaaagcc gttgcctttc aagggactgc ctggccagca 180

ccattttcta catcaagccc tgttccagga cagcagggat gccgtgggag ggaaggaaga 240

acacagggag aaactattta gtctctcccg agaaagaagt tcctcaagta atgaaggcgg 300

aagtagaagg gtgggcagat taggaaaaga caaacataca ggctaagaac agggtgcatt 360

gcctgctttg acaaggtcaa gaggaagagg agcaggcggc cgaggaagga ggggtgtcgg 420

gggtccctgg aatcgagaat cagtaaaaag gggtgctgaa ctcgtaagtt cttaggcttc 480

cccctcgagg acaggaccca cgcgggtgac atacatttta t 521

<210> 1671
<211> 196
<212> DNA
<213> Mus musculus

<400> 1671
ccaggttcaa ggctttcgtc gctattgggg actacaatgg tcacgttggt cttggtgtta 60

agtgctccaa ggaggttgcc actgccatcc gaggggccat catcttggcc aagctttcca 120

tcgtccctgt gcggagaggc tactggggga acaagattgg caagccccac actgttccat 180

gcaaggtgac aggccg 196

<210> 1672
<211> 535
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (337)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<400> 1672
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ttcatctccc tggatgagtt caggcagact tggaagctct tcagctcaca tatgagcatc 120

gacatcacag atgacggcat ctgtgacctc gccagaagca tcgacttcaa caaggatggc 180

cacatcgaca tcaatgagtt cctggaggcc ttccgcctcg tggagcagtc ctgcttagag 240

ggccacgcct ctgcttgcct gcagtccaca gacactgctg agagtggcca tagcagtcca 300

ggcccatgct gaggatagac tggtctatta ctcaaannnc ctaaggcgat nntgagntta 360

tnantncaca tnganttnga ctttatcctg aaaatttgcc accacaaagc attcaaatca 420

agagttacct gtttggactg gagagatggt tcagtggtta agagcactga ctgntcttcc 480

agaggtcctg agttcaattc ccggcaacca cattgtggtt catagtggat ctgtc 535

<210> 1673
<211> 523
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<400> 1673
tctgggagac atgcacctca gcactctcta ctccgccttt gtggaactgg agtccacgcc 60

ctcctcagca gctgccggcn ctgccgtgta cctcagtccc ggctcaaagc cattggctct 120

ggcttgagct atgcccaaca tcagctgcgg cctttgccta gctggctgcc ccatattggg 180

ctcaccttaa aggtcaaaga aggaaaacac tacctgtctc ctatgccact cagccaactt 240

atttgttagc cagaagttgg gggcatccat ctaggatgct acctggtgga cccgcatctc 300

acacggggcc cccagcaagg aaagtgtcgg aaaagaagca acagcgcgcc ccctagcgcc 360

agctcactcg aacttcagct ctcgagcgtg aactcaagct ctacacacct gctcatcatg 420

tgccttacac tcagaggaag ccttgggtca cagagtctga tttgatttct ggggcagctg 480

agagctaaaa gctttagtta gcaaagctca gggccagtgt gac 523

<210> 1674
<211> 550
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(227)
<223> n is a, c, g, or t

<400> 1674
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cccatgagta agtacatgta tgaaggctag aggtcaaagt tcagtgcctt cctcttttt 120

ctcatcatta tcactcttca tcatcactat cgtcatcatt attattattc tgacacaggg 180

tatggtggtt tgaataaaaa tggcccccat aggncacant tannanntgt ggccttgttg 240

aataggtgtg gcctagttgg agaaagtgtg ccactggggc tgggctttgg ggttttaaat 300

gctcaagcca ggcccagtgt cactttattt cctgatgtct gccaatccag aaattgaact 360

ctcagctacc tatctatcta gcaccatgtc tatctgcatg ttgctgtgct tcccgctatg 420

aagataaagg actaaacctc tgaacctgta agccatctcc aattaaacgt tttcctttat 480

aagagttgct gttgtcacag tatatctaca cagcaattga accctaacta aagcacaagc 540

tctccctgag 550

<210> 1675
<211> 469
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<400> 1675
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aaatcagaaa ttcttcacac ccggacctcc tcgtgcccct aatgggacct ccagggtcct 120

gagggacaaa gatgcagaag gacatttgaa gtttctgttt tagagcgcga atatcctcct 180

gaaaggaagg caggtgccct ggtacacctt ggaaaactag tcacaacgcc ctgaattaga 240

agatgggaga gaggagcagg gcaaaagctg gttgttttca tttaaagcat tnaattaacc 300

attntttgcc aacaggtcna caatttgnag tcantcagtt gntcntttca aggtctgagc 360

cttgtcttta ggctgtttgt ggaaaatgct taataaatat gaatagcaag agaggggttg 420

aaggcaacnt ggctgatttc aaaccttcct agaggtcgat gtttccatt 469

<210> 1676
<211> 478
<212> DNA
<213> Mus musculus

<400> 1676
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cttgacgctg cttatgaagc tagtatgata gatcaagtcc gctatttcaa aggcagcaaa 120

gtatgggctg ttcaagagca gagtgtactg agaggattcc ccagagacat ccacagtttc 180

tttggcttcc ctagcaatgt gacacacatt gatgctgctg tttgtgagga agagactgga 240

aaaacatact tctttgttga ccacatgtac tggaggtatg atgaaaatac acagtctatg 300

gatccaggtt atcccagatt aacagcagaa gacttccctg gaattgatga taaagttgat 360

gatgttttcc aaaaaggaga aaatttctat ttctttcacc aatcagttca acacagattt 420

aacctccaaa taagaagagt tgatgattcc cgtgattcta gtacatggtt caactgct 478

<210> 1677
<211> 441
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<400> 1677
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tggagatcat gtgggttgaa tttctaagag cgtgacctcc taagtctcac aaggaatcag 120

agaatagcta aattgtcctt cctgaggctt ttctgggact agataactag acagtgttct 180

ctgaagaaca ctgtgcacca caatgcctgc ctgactcctt ttagcttctt tatatcgagt 240

cactccctac tgcattctgc cccanatacc tttttaatgt gttctctgaa cagcctgttt 300

ccatgcactt gtacacattt aagaattggc tgcagacact ggnccccta ccctncctcc 360

caangcatgc aaggtctgtg aggggagtgg gaaggtgggt ttgagtgttg gtgctcaggg 420

tcatacttcc ttgtcagaca a 441

<210> 1678
<211> 565
<212> DNA
<213> Mus musculus

<400> 1678
aagcccaaag ccaagtcgag tgccaagagg ggcagcaaga agaagtgaag actttgcttg 60

gggacactcc ttcctccctc ctgttttctg taaatacatt tcctcacttg attccatctg 120

caacccttg cccattctat tctgatctta ttaaagtgga acagtgtttg aattcctcat 180

acaagcattg ttgaaatgac tccttttcc ttaacctatt gtgcaaggac gcaaacagac 240

ctcatctttg taatgatgga gacgtacttt tttcttagat ttgatattaa ccttcttacg 300

gggttaggga tgggaggggg gagatgtgtg tttcagtcgg tggtttgttt actatgaaga 360

actggcaagt tctggctagg tgaggggacc caggaactaa ggtttgtctt ccgagctttc 420

ttggactgct tgtccctcgt gagcttttca aacctttgat ggggagcagg tgacacccca 480

cctagctggc caaggaggga gggaaaattc cctggggctg ccctaccaaa ccgtggtaag 540

ttggagacct ggttgctttt tctct 565

<210> 1679
<211> 543
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<400> 1679
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taaggacttc tactcagagc acactgtatg tggtattaac tatggtgggg gtagcttccc 120

caaagagaag gctgtggcca tcctgcggct gatggtgggt tttgtgttgc ctctgctcac 180

tctaaacatc tgctacacct tcctcctgct ccggacctgg agtcgcaagg ccacgcgctc 240

caccaagacg ctcaaagtgg tgatggctgt ggtcatctgt ttctttatct tctggctgcc 300

ctatcaggtg accggggtga tgatagcgtg gctgcccccg tcctcgccca ccttgaagag 360

ggtggagaag ctgaactccc tgtgcgtgtc cctggcctac atcaactgct gtgttaaccc 420

tatcatctac gtcatggctg gccagggttt ccatggacga ctcctaaggt ctctccccag 480

catcatacga aacgctctct ctgaggattc agtgggcagg gatagcaaga ctttcactcc 540

gtc 543

<210> 1680
<211> 351

<212> DNA
<213> Mus musculus

<400> 1680
acgggcgccc agtgcaccac gtgtgtggag gacgaaggtg ccaaggcccg tatcgtactc 60

accgcagggg tcctcctcct cctctcgggc attttggtgc tcatccctgt ctgctggaca 120

gcccatgcca tcatccagga tttttataac ccactggttg cggaagccct caagagagaa 180

ctgggggctt ccctctacct gggctgggct gccgctgccc tgctcatgct agggggaggg 240

ctcctctgct gtacgtgtcc cccgtcacac tttgagcgtc cccgcggccc caggctgggc 300

tactccatcc cttcccgttc aggtgcttcg ggactggata agagggacta t 351

<210> 1681
<211> 398
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<400> 1681
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ctccagctgc tgccagcctt gctgtcaaac cacctgctgc aggacctgct tccagccatg 120

ctgtgtgagc agctgctgcc gcacaccctg ctgccagccc tgctgctgtg tgtccagctg 180

ctgccagccc tgctgccagc ccagctgttg tcagtccagc tgntgccagc ccagctgctg 240

tcagtccagc tgctgccagc cnagntgntg tnnntccagc tgctgncagc ccngntgcng 300

gcctagctgc tgtcagtcta gctgctgcag gccctgctgc cagcccttct gcctcaacct 360

gtgctgccag ccagcctgct ctggacctgt gacctgca 398

<210> 1682
<211> 491
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<400> 1682
ccgcgtgtca ttttctggag tggatcctga gtccaagtat atagtcctga tggacatcgt 60

cccggtggac aacaagagat accgctatgc ctaccaccgg tcatcctggc tggtggctgg 120

caaagctgat cccccgctgc cagccaggct ctacgtgcac ccagactccc cctttactgg 180

cgagcagctc ctnaaacaga tggtgtcttt tgaaaaggtg aagctcacca acaatgaact 240

ggatcaacac ggccatataa ttttgaattc aatgcataag taccagccac gggtgcacat 300

cataaagaag aaagaccaca cggcctcctt gctcaatctg aagtcagaag aattcaggac 360

gttcatcttt ccagagacag ttttcacagc agtcacagcc taccagaacc aactgataac 420

caagctgaaa atagacagca atccgtttgc caaaggattc cgggactcct ccaggctcac 480

tgacattgag a 491

<210> 1683
<211> 501
<212> DNA
<213> Mus musculus

<400> 1683
agaacagccg tgaggctctc tctgcctagc gttttttca catggtaggg caggcctgtc 60

tcctgatttg cacagcagct gagaccttct gggccactgt ctacctggca aaggatgtgg 120

ctgtgaagag aacagaccaa aatccctgtc ctgggctgca attagagagc atgagacttc 180

cacgggaaca gaagtgaggc ggaacaaacg ctagagctgg ggtaggcctg ttcctgctgc 240

aggcttagcc tggcccctgc ccagaagtag gagcttaaaa gctgagaaaa taggaacagt 300

atgggcaaag ccttcagggt caccatagca cattccagaa actaaacaga agtcagaatg 360

gctggagagg tacagctgga aacaagagag aaagggccag gcatctagag cctggaaggt 420

agcatagcct ttatctaatc cttagagaac agaaaaccat ggaaacgttc tgagacaggc 480

gacccaagca gattgcattt c 501

<210> 1684
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<400> 1684
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taaaggagcc tcccaggaca ccttctccac cactgagttc taacccagac attgacacag 120

acattgagtc agtggcttct cagccaatgg aacttccaga gaacttatca ctggagccta 180

aaaatgagga ttcagctttg ncagaaaagg acaaaacaaa taactcatca agatctaaga 240

agcccaaagg gttagaactg acacccgccc ttgtggtcac aggcagtgac cccagcccct 300

cggggatcct aagcccatct ctcccgacag cgtctcttac accagcactc ttttcacaga 360

ctcccatctt gctgactccg agccccttgc tctccagcat ccacttttgg agcactctca 420

gtccgtttgc tcccttgagc ccagccagac tgcaaggtgc taatatgctt ttccagtttc 480

cctctgtact caacagtca 499

<210> 1685
<211> 597
<212> DNA
<213> Mus musculus

<400> 1685
atgctcctac tgtatcatct ggtggtgttt gtcctcatct acttcctgcc tctagtggtg 60

atgtttgcag cttacagtgt cattggcctc acactgtgga aacgcgccgt acccagacac 120

caggctcatg gagctaacct gcgccatcta caggccaaga agaagtttgt gaaggccatg 180

gtactggtgg tggtgacatt tgccatctgc tggctgccct accacctcta cttcatcctg 240

gggaccttcc aagaggacat ctactaccgc aagtttatcc agcaggtcta cctggcactc 300

ttctggctgg ccatgagttc caccatgtac aaccccatca tttattgctg ccttaaccac 360

aggtttcgct ctggattccg gcttgctttc cggtgctgcc cctgggggac accaaccgag 420

gaagacaggc tggagctgac ccacactccg tccatctcca ggagagtcaa ccggtgtcac 480

accaaggaga ctttgttcat gacaggggat atgacccact ctgaggctac caatgggcag 540

gttgggggcc cccaggatgg ggagcctgct ggaccctgaa gtcttgagct tgtctgc 597

<210> 1686
<211> 524
<212> DNA
<213> Mus musculus

<400> 1686
attgccatcg acaggtacgt caccatcttc tatgcccttc ggtaccacag catcatgaca 60

gttaggaaag ccctcacctt gatcggggtc atctgggtct gctgcggcat ctgcggcgtg 120

atgttcatca tctactccga gagcaagatg gtcatcgtgt gtctcatcac catgttcttc 180

gccatggtgc tcctcatggg caccctatat atccacatgt tcctcttcgc caggctccac 240

gtccagcgca tcgcagtgct gccccctgct ggcgtggtgg ccccacagca gcactcctgc 300

atgaaggggg ctgtcaccat cactatcctg ctgggtgttt tcatcttctg ctgggcgcct 360

ttcttcctcc acctggtcct catcatcacc tgccccacca atccctactg catctgctac 420

acggcccatt tcaacaccta cctggttctc atcatgtgca actccgtcat cgacccccctc 480

atctacgcct tccgcagcct ggagctgcgc aacacgttca agga 524

<210> 1687
<211> 102
<212> DNA
<213> Mus musculus

<400> 1687
ctcattgact ctctgacaag tgttaaaggt aaaaaaatga atttttctga ctctcatttg 60

tttcctgtga taattcatga ctccttacaa gcaagtgttt tg 102

<210> 1688
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<400> 1688
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atccaaaaca cagatgaaga gactaaaact gaggaacagc caggagaaga gaaccaggct 120

atgtctgttt cctttggaga cccggaangt tctgctcttc aagatgcagc cgtangaatg 180

gctcggccgt gcccanccat gccccangtt gcccngtcat gtccatggtg cccaatgtgc 240

ccgaggtgcc cgagctgcaa atgcaatcca aaataaacct gcacttggca ccaaagatcc 300

aaataaacag cataaattct gctgcagctg agcatggaat ctgggtcaag ataataatca 360

tgttctctgg aac 373

<210> 1689
<211> 404
<212> DNA
<213> Mus musculus

<400> 1689
atttccccac ataggcagtt atgccaaatt tgggttaaat agaaactatt aaatacatta 60

taatgataat ctactctatt ctcattttag gcttatttta cccagagttt cagaagagtt 120

tcttttctca ggtgctcacc tccttttgtg agagtttctg agttaaggaa tattgctgag 180

gctttcacac gctgctatct gtaaacgcgt tgtaacgccc acactgtaaa gctccaggct 240

tctgtgagct gccacagctg tgacgtgact ccagacccct caccagaaag taaaggttca 300

gtctttgcct tctactagac cccaaactct cctttgtttg ctgtaactta tgaagcacct 360

gcctctagta acccgccaca cccactcatc gaggttgtga tcac 404

<210> 1690
<211> 464
<212> DNA
<213> Mus musculus

<400> 1690
atgatgccaa ctcctcttgc tgtatcctgc ttggctgctc tgtgtcttgg tttcacacac 60

acacacatac acacacacac tgcccgaggc tggtcacagc aagcatgtat gccacccttg 120

caccaggcag gaactgggtg tgttacacta gtgagccact ggtactcagc cttgttggtg 180

aggggggacac aaaacaacgt gtccaggtga ccaggtaccc atgggggcca cacgggctgt 240

gcctgtgaac tggtggtata aggtttgaag gcagttgggg tgtcttccaa atccccttga 300

ccagcagact ggctcataca gcccacctga ctccctctgt acccccctact cctctactcc 360

acccctccca ctgctgctca aagtctgagg gccctggatt aggtagggtc agggaaggac 420

tgctgtttga cctaggccta taactggacc agcctgggac ttga 464

<210> 1691
<211> 490
<212> DNA
<213> Mus musculus

<400> 1691
acaggccctg ggtatggtaa ggcacatgct gatggaggta taatggtccc cgagggccac 60

ctctgtactt gaaggagcca ttagtgtaga aatgtgacct gtctccacac ccctcttcac 120

gtgcactgtt cagctccttt gcccataggt gctggcactg ccaggagctt ttgcgcaggg 180

cggggctttg gggggaatgt cactactact gccattgtga ctgatgacac tccttgttgg 240

gagtgaagaa gcaggccagg acatgcctag ggctctggct taaccctgtg taggagggaa 300

gaaggctgat tttctcagag cctttagtcc gagaggagat agagggcaga ggaaccaact 360

ggtatagcca gtgacttgtg gctcccacac ggaccccgcc ctccagacga gcctgaggtt 420

ctgggttcta gtgtctgact tgggagctca aaagaaggtt gttctagaca agttgttcct 480

gtttctcggc 490

<210> 1692
<211> 586
<212> DNA
<213> Mus musculus

<400> 1692
agtaattcct gcgtgaaccc ctttgctctc tattggctga gcaagacctt ccagcagcat 60

tttaaagctc agctctgctg cctcaaggca gagcagcctg agcctcctct tggtgacatc 120

ccccttaaca acctcactgt gatggggcgg gtcccagcta ctgggagtgc acatgtctct 180

gaaattagtg tgaccctgtt cagtggcagt agtgccaaga agggagagga caaagtttag 240

atgttacatt aaaaatgatg atttttagtc ccactgtgtg tatccagctt taagctgtgc 300

atagtacagt gtctgggttt tctgttgttc atgaattgtg ttgaagtttt cagaaagaat 360

tatccttgta agtaatagac aaaccatcat tttcttcaag gtgcaaacag taatgccatt 420

tgggctttct aaatacaaca aagcccacca agtagagaag aagaggtttg gaaataccag 480

tcaactgtga agaaggctgt atagaaggga tggtaaagaa accagataaa ggtttaaata 540

tcgaattgga tcccatctct ctgatattcc tcatctcttg agcact 586

<210> 1693
<211> 464
<212> DNA
<213> Mus musculus

<400> 1693
aacagatgca acactggatc catgtaatag tggtctaacc tttgatgcta taattacata 60

tcgggggggag gtgatattct ttaaagacag gttctacatt cgggtaatta gcttcctgcc 120

agaacctttg atcgatgtga tagaccttac ctggccaaat ctgccaggta aatttgatgc 180

agcttatgaa gttagtgggg tagatgaact ccgctttttc aaaggcagca aagtatgggc 240

tgttcaggaa cagaatgtac tggaaggatt tcccatggac atccagagtt tctttggctt 300

ccctagcaat gtgacaaaca ttgatgctgc tgtttgtgaa gaagagactg gaaaaacata 360

cttctttgtt gaccacatgt actggagata tgatgaaaat acacggtcca tggatccagg 420

ttaccccaga ttaatagcag aagactttcc tggaatcgac tata 464

<210> 1694
<211> 523
<212> DNA
<213> Mus musculus

<400> 1694
tggtttttta ccaagtggcc tctgaagacg gcatgctaca atgtttccag ttttatgaag 60

agcagtcttt gaggtggaag ctctttaccc actttgaaat caacgccttg ggtctgctgc 120

tccccttttgc catcctcctg ttctgctatg tcaggatcct gcagcagctg cggggctgcc 180

tgaaccacaa caggaccaga gccatcaagc tggtgctcac cgtagtcatt gtgtctttac 240

tcttctgggt cccattcaac gtggcccttt tcctcacgtc cctgcacgac ctgcacatct 300

tggatggatg tgccacgagg cagaggctgg ctctggccat ccatgtcaca gaggtcatct 360

cttttaccca ctgctgcgtg aaccccgtca tctacgcgtt cataggagag aagtttaaga 420

aacacctcat ggatgtgttt caaaagagct gcagccacat cttcctctac ttagggagac 480

aaatgcccgt gggggcgttg gaaaggcagc tgtcctcgaa cca 523

<210> 1695
<211> 475
<212> DNA
<213> Mus musculus

<400> 1695
tcccagtgca tgctgagact acagacatat gctatcaagc ctggcttact tctatagttt 60

gaaaaatgtc gtgactaaat caaaccatca taatttctgg ataatctggt ctacagcaga 120

gcagcttgta ggccacctcg gcataggtaa gaggaggtca tggagctgtg agagagcttt 180

ccctttataa tatttcagct ggatggaaat cagataagca ggatcatttt gctatactct 240

cttaatattt atgaccatta atagaatatc tgcttagctt tatgtagaag tgaatatgca 300

gtacctgcag gatgtaatta tttcatcttt ttgtcccctt gtaaaatgta ctcgaaattc 360

tataatggaa acagcctcac tcaaatctga aatgacagag gctaagttct tgattggaca 420

tgattgcaca tgagcgtgcc ttctgtagtt ttgtccctgg acacatcctt gggaa 475

<210> 1696
<211> 549
<212> DNA

<213> Mus musculus

<400> 1696
atgtggagtt gttactgccc gaaaaggaaa acatttccct gaagatttag cgcacgaaaa 60

tttaattata tcaaataccg aagcacctgg ggatgacaga gtgtgttctg catggattca 120

ccacccacac tgccaacaac tccagccaag gcttctgtgg tacaatgggt caggaatgag 180

gaatggtggg caggagacga ttgagatgat gaaaggacac cagaccttgg actcctgccg 240

tgtggccggg catcaccata ccctggattc cggcagggga ggacacatgg atactgataa 300

ctgcagatac acatactcag agtggcacag tttcactcaa ccccgacttg gtgaagactc 360

cattagagga cacactggtt aaaaattaaa cataaaagaa attgcatgtg tgtaatcaga 420

atgaaaacca catcccatcc caagactatg tcctcaccta taactacgaa ggcagagggt 480

ctccggccgg ctctgtaggt tgctgcagtg aaaagcagga agaagaggga cttgacttct 540

taaacaact 549

<210> 1697
<211> 552
<212> DNA
<213> Mus musculus

<400> 1697
ggcggaggac ccttgcagct ctcgcccgcc tctccactca cggaccagcg ggccagcagc 60

caggactgct cagaggatga ggaagatgaa gagatcgacg tggacgattg agctgtgccc 120

tggacctcct gccgcccggg cccccagtgc ccgcatgccc gccgcctccc ggatcggacc 180

gctaagggga gctgggacct cctctgcacc tcccgcctcc acccttgtcc cggggccggg 240

cttggcccct gctagccgtc tcttcctttt cgaagcaata aatccgggcc ggccggcggg 300

gccggccgcc acacgaggcc tccgccgccc cggaagccct cgccgtgcaa ttctgtatgg 360

cttctgtata aatatttaag cctatatagt gggttcctcc caccacaggt tgattatttt 420

cttcctttta ttatgattat tatttttttt taatctcaga gatttcgatg ttttcaaagc 480

ccgggtgctg ccgggtcggc tgacggtgag gcggactcga gagcggcgaa cactactaac 540

tcctgcggtc ta 552

<210> 1698
<211> 529
<212> DNA
<213> Mus musculus

<400> 1698

gcaacagcag ttccatgacc accagcagca gcagcagcag cagcagcagc agcagttcca 60

tgaccaccac cagcagaagc agcagttcca tgaccaccac caccaccaac agcagcagca 120

gttccatgac caccagcagc agcagcagca gttccatgac caccagcagc agcagcatca 180

gttccatgac cacccccagc agaagcagca gttccatgac cacccccagc agcaacagca 240

gttccatgac caccaccacc agcagcagca gaagcagcag ttccatgacc accaccagca 300

gaagcagcag ttccatgacc accaccagca gaagcagcag ttccatgacc accaccagca 360

gcaacagcag ttccatgacc accaccagca gcagcagcag cagcagcagc agcagcagca 420

gcagttccac gaccagcagc ttacctactt actaacagct gacatcactg gtgagcatac 480

accataccag gagcacctca gcacagccct gtggttggca gtctcatga 529

<210> 1699
<211> 536
<212> DNA
<213> Mus musculus

<400> 1699
gcacaagcat tgttgctcca gtggtggtgc tggcctcgcg ggttcgcttc tgtcgctcag 60

atgtgatccg ccactttgcc tgtgagcaca tggccctgat gaagctttcc tgtggggaca 120

tctcgctgaa taagacggtg ggactcactg ttcgcatctt caaccgagtc ctggatatgc 180

tcctgttagg tgcctcctac tcccgcatca tccatgctgc cttcaggatc tcatcaggtg 240

gagcacggtc caaagccctg aacacctgtg gctcccacct gctggtcatc ttcaccgtct 300

actcctccac catgtcctca tccattgtct accgtgtggc acgcactgcc tcccaagatg 360

tgcacaactt gcttagtgct ttctatctgt tgctcccctg tctggtcaac cccatcatct 420

acggggccag aaccaaggaa atcaggcagc acctggtagc tctgttccaa aggactcagc 480

aacaggtctt cactgagaag ccccagtccc tgccctcgaa tagagagctt cctgga 536

<210> 1700
<211> 533
<212> DNA
<213> Mus musculus

<400> 1700
gatgatcctc gttagttgga gccttcctgc tgtttatgca tttgggatga tcttcctgga 60

actgaactta aaaggagtgg aagagctgta tcgcagtcag gtcagcgacc tgggcggctg 120

ttctcccttc tttagtaaag tatctggggt actggcgttc atgacttcct tctatatacc 180

tggatctgtt atgttatttg tttactatag gatatatttc atagctaaag gacaagcaag 240

gtcaatcaat cgtacgaatg ttcaagttgg attggaaggg aaaagccaag caccacaaag 300

caaggaaaca aaagccgcga agaccttagg gatcatggtg ggcgttttcc tcgtatgctg 360

gtgcccgttc tttctctgca cggtcctgga ccctttcctg ggctatgtta tcccaccctc 420

tctgaatgac gcactgtatt ggtttgggta cttgaattct gccctcaatc cgatggttta 480

tgccttttc tatccctggt tcagaagagc cttgaagatg gttctccttg gta 533

<210> 1701
<211> 481
<212> DNA
<213> Mus musculus

<400> 1701
tggccatctg ttacccactg agatacacca ccatccttac ttcctcagtc attggcaaga 60

ttggcacagc agctgtggtc agaagctttc tcatctgttt tccattcatc ttcctggtat 120

atcgacttct gtattgtggg aaacacataa ttccccattc atactgtgag cacatgggca 180

ttgccagatt ggcatgcgac aatatcactg tcaacatcat atatgggctg acaatggccc 240

tcctgtctac tgggctagat atactactca tcattatttc ctacaccatg attcttcgca 300

ctgtttttca aatcccttcc tgggctgcca gatacaaggc cctcaacaca tgtggctccc 360

acatctgtgt tattctttta ttctacactc ctgcattctt ttcatttttt gcccatcgct 420

ttggaggcaa aaccgttcct cgccacatcc acatcctagt ggccaacctc tacgtggtgg 480

t 481

<210> 1702
<211> 524
<212> DNA
<213> Mus musculus

<400> 1702
agacatgcta ctatcttctc tccacaactc accacttgcc ttggagctgg tgcattactg 60

aggtctctca ttaccacatt tccattgata ttgctcatca aattttgcct taagtacttt 120

agaactacca ttatctccca ctcgtactgt gaacacatgg ccattgtgaa actggcagct 180

caagatatca gaatcaacaa gatatgtggc ctccttgttg cctttgccat cttagggttt 240

gacatagtct tcattacctt ctcctatgtg cgaatcttca tcacggtctt ccagctgccc 300

cagaaggagg ctcgattcaa agccttcaat acctgcattg ctcacatctg tgtcttcctg 360

cagttctacc ttctggcctt cttctctttc ttcacacaca ggtttggggc tcacataccc 420

ccctatgtgc acatcctcct gtcagacctt tacctgttag tcccaccttt tctgaacccc 480

attgtttatg gtattaaaac taaacaaatc cgtgaccaag tcct 524

<210> 1703
<211> 382
<212> DNA
<213> Mus musculus

<400> 1703
aggtagagat acaggcactt cccctgaccc aggaagactc cctgctggct gtgaggacat 60

acttccacag gatcactgtg ttcctgagag agaagaaaca cagcccctgt gcctgggagg 120

tggtcagagc agaagtctgg agagccctgt cttcctcagc caagttgctg gcaagactga 180

atgaggacga gtgagtcctg agaccaagtg tggagagacc tccctggact agaacactgc 240

acctgcactt tataagctcc ctttacaact ctcattacct tcagtgtgaa cacaatcaac 300

ctgccaagac gctgcagcaa tattgagcaa ttattttcag catgtatagc cacttttgta 360

tctgcaccat ttgtctctat tt 382

<210> 1704
<211> 511
<212> DNA
<213> Mus musculus

<400> 1704
gagtgcttta agctggtctc tggcattggc atgatagaag tggacccatt tgtccaatcc 60

tatatccttg tccctgccct ggggctcacc tatgatggga tgctgactga tgttcagagt 120

aagcccaaga caggtatcct aatagttgtt cttggtgcta ttttcacgca aggaaactgt 180

gtcagtgagg agattatctg gaaaatgctg aataacatag ggttgtatgg tgggaggcat 240

ctttacatac atcaagaccc caggaagttc atctctgagg agtttgtgca cgaagggtac 300

ctggaataca ggcaggtgcc caatagtgat cctccgagct atgagtttct gtgggaccca 360

agggcctttg cagaaaccac caaaatgaaa gtcttggaga tttttgccag cattactatg 420

accgatccca gagcttacac tgaaaaatat gcagaggctt tgagagatga gacagagagg 480

gcccaggcca ggatcatcca gcagatagtt c 511

<210> 1705
<211> 547
<212> DNA
<213> Mus musculus

<400> 1705

gctttctgct cacagcaatg ggttatgatc gttatgtggc tatttgtaat cctctgagat 60

atacaatcat catgagcaag ggaatgtgtg ccttgttggt ctgtgggtct ttaggcactg 120

gcctggttat ggcagttctt catgtgccag ccatgttcca tttgcccttt tgtggcacgg 180

tggtggagca ctttttctgt gacatatacc cagtaatgaa gctttcttgt gttgatacca 240

ctgtcaatga gataatcaat tatggtgtaa gttcatttgt aattcttgtg cccatagggc 300

tgatatttat ctcctatgtg ctcattgtct cttccatcct taaaattgtg tccactgaag 360

gccagaagaa agcctttgcc acctgtgcct ctcatctcac tgtggtcatt gtccactatg 420

gctgtgcctc cattgcctac ctcaaaccca aatcagaaag ttcagtagaa aaagaccttc 480

ttctctctgt gacctacact atcatcactc ccttgctgaa ccctgttgtc tacagcctca 540

ggaacaa 547

<210> 1706
<211> 541
<212> DNA
<213> Mus musculus

<400> 1706
ttctgagatc tttctgctga cgattatggc gtatgatcgt tatgtggcta tctgcatccc 60

attgcattac tccaatgtga tgaacatgaa ggtctgtgta cagcttgtct ttgcactctg 120

gctgggggc actattcatt cacttgtgca gaccttcttg actattcgtc taccctactg 180

tggcccaaac attatcgata gctacttctg tgacgtacct cctgtcatca agctggcctg 240

cacagataca taccttacag ggattctgat cgtgtccaat agtggaacca tctccctcgt 300

atgttttcta gccttggtca cttcttacac agtcatcctg ttttctcttc gaaaaaagtc 360

tgcagaaggt cgtcggaaag ccctgtccac ctgctcagcc cacttcatgg tggtcaccct 420

gttctttggg ccatgtatct tcctctacac tcggccagat agcagcttct ccatcgacaa 480

ggtggtatcg gttttctaca cagtggtcac ccctttgttg aatcctctca tttacacttt 540

g 541

<210> 1707
<211> 437
<212> DNA
<213> Mus musculus

<400> 1707
gcatgtctgt attgtgctgg tggcagtggc ttggctgggt ggcatcctgc attcaacagc 60

tcagctcttt ctggtccttc agttgccctt ctgtggtccc aatgtgataa accactttgt 120

gtgtgacttg tatcctttac tggagctggc ctgcactgac acatatgtca ttggcctgct 180

ggtggtggcc aacagtggtg tgatttgcct gttgaacttc ctcatgctgg ctgcctcgta 240

cattgtcatc ctgcgcactt tgaggtccca cagtgcagag ggaagacgga aagctctgtc 300

tacctgtgga gcccacttca ctgttgttgc tttgttcttt gtgccctgta tatttattta 360

catgagacca tcatctactc tgtccataga caaaatagta gctgtgtttt attgtatttt 420

gacacccatg ttcaacc 437

<210> 1708
<211> 372
<212> DNA
<213> Mus musculus

<400> 1708
tgctctcaca gatatcacgt tttcctgaac acataattgg gagaaatgac acgtcatttg 60

acctcagtga tggtatcttg acgttagtag cctctttggt cctgaactca cttctacagt 120

ttatgctcaa tgtgactttt gcttccttgt taatacattc cttgagaaga catatacaga 180

agatgcagag aaacaggacc agcttttgga atccccagac ggaggctcac atgggtgcta 240

tgaggctgat gatctgtttc ctcgtgctct acattccata ttcaattgct accctgctct 300

atcttccttc ctatatgagg aagaatctga gagcccaggc catttgcatg attattactg 360

ctgcttaccc tc 372

<210> 1709
<211> 491
<212> DNA
<213> Mus musculus

<400> 1709
ggaacatcca ccctgattga gtgtgtgatc aacaagaaca caaatgttgc ccactggaca 60

actcccagcc tcaagtgcat cagagacccc tccctagctc actacagtcc agtgccaaca 120

gtagtgacac caaaggtgac ctcacagcca gagagcccct ccccctctgc aaaagagcca 180

gaagctttct ctcccaaatc agataccgca atgaccacag agacagctat tatgcctggc 240

tccaggctga caccatccca aacaacttct gcaggaacta cagggacagg cagtcacaag 300

tcctcccgag ccccatctct tgcagcaaca atgaccttgg agcctacagc ctccacctcc 360

ctcaggataa cagagatttc tccccacagt tccaaaatga cgaaagtggc catctctaca 420

tcggtcctct tggttggtgc aggggttgtg atggctttcc tggcctggta catcaaatca 480

aggcagcctt c 491

<210> 1710
<211> 426
<212> DNA
<213> Mus musculus

<400> 1710
gcaagggtac cctggtgcag accaagggca ccggcgcctc cggctccttc aaactcaaca 60

agaaggcggc ttccggtgag gctaagccca aagcaaaaag ggcaggcgcg gccaaggcga 120

agaagcctgc gggcgcagcc aagaagccca agaaggctgc ggggacagcc accgccaaga 180

agagcaccaa gaagactcca aagaaagcga agaagccagc tgcagctgca ggagccaaaa 240

aagctaagag cccgaagaag gcaaaggcaa ctaaggctaa gaaggcgccc aagagccctg 300

ccaaggcgaa aacggtaaag cctaaagcgg ccaaaccaaa aacctccaag cctaaggcag 360

ctaagccaaa gaaaaccgca gccaagaaaa agtaaatttt ctttggccaa ctgcttagaa 420

gcccaa 426

<210> 1711
<211> 242
<212> DNA
<213> Mus musculus

<400> 1711
caatgaagtc catcagcagc tcaatgacct caaagcctgt gtgatgcaac aggtcggggt 60

gcaggaatct cccctgaccc aggaagactc cctgctggct gtgaggaaat acttccacag 120

gatcactgtg tacctgagag agaagaaaca cagcccctgt gcctgggagg tggtcagagc 180

agaagtctgg agagccctgt cttcctcagt taacttgctg gcaagattga gcaaggagga 240

gt 242

<210> 1712
<211> 277
<212> DNA
<213> Mus musculus

<400> 1712
gatgagctac tactggtcag cctgttctct aggatgtgac ctgcctcaca cttataacct 60

cgggaacaag agggccttga cagtcctgga agaaatgaga agactccccc ctctttcctg 120

cctgaaggac aggaaggatt ttggattccc cttggagaag gtggataacc aacagatcca 180

gaaggctcaa gccatccttg tgctaagaga tcttacccag cagattttga acctcttcac 240

atcaaaagac ttgtctgcta cttggaatgc aactctc 277

<210> 1713
<211> 455
<212> DNA
<213> Mus musculus

<400> 1713
gctgaggtct cttctggaga gacactactc acatcagata cggaaacgaa agctggagaa 60

ggccgatatc ctggagctga gtgttaagta catgagaagc ctccagaact cactgcaagg 120

actctggcca gtacccagtg gggtggacta cccgtccggc ttccatggcg gcttgcgtgg 180

cgtgagccag aggcttcggc ccggagaggg agacagcggc ctgcgctgcc ccttgctgct 240

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cccttgcctc ccggccatct gggcccccag tcgcgctgca ggtggctccc actccccgca 360

gtccccgctc cctctccctg gaggtctcct tgagtcttcc accgatgttg tggcaccaca 420

acctgcatca aactgccagg ccgagagtac gagac 455

<210> 1714
<211> 349
<212> DNA
<213> Mus musculus

<400> 1714
aggcacaaat cctttcccag aagttttaca cccagcatat ctataatagc acctaccccc 60

gatgtgatgc tgtaatgagg gttgttaaca ggtatagacc aagatgtaag gacataaata 120

cttttcttca cacaagtttt gctgatgttg ttgctgtgtg tggccatcca aatatcacct 180

gcaacaactt gacaagaaaa aattgtcatg ctagttcatt tcaggtattt ataacttttt 240

gtaacctcac tatgccgaca agaatatgca cacaatgcag ataccaaacg acaggttcag 300

tgaagtacta cagagtagcc tgtgagaaca gaactccaca agacactcc 349

<210> 1715
<211> 254
<212> DNA
<213> Mus musculus

<400> 1715
agtccgggag tattggctgc catcaccctg ctggaagtgc cacatgctgc accaagggaa 60

gtggtggggt aggagatcac aaggaatggg aggagctgag ggtttcatgg agcatgggag 120

cacaaccttg cagagaaagc caggagcaag ctcagagctg ggcattcttc aagtcagaga 180

cttgtcttgg ttggttcagc cacaagcaca gacctgttgt ggctcctttg taccactttc 240

agctgggctt aggg 254

<210> 1716
<211> 110
<212> DNA
<213> Mus musculus

<400> 1716
caagatgcag cagccataag aagggctcgc cggtgcccac catgccccag ttgcctgtca 60

tgtccatggt gcccaaggtg cctgagatgc ccaatgtgca aatgcaatcc 110

<210> 1717
<211> 277
<212> DNA
<213> Mus musculus

<400> 1717
catggtgaac tttactgctg aggaaaagac cctcatcaat ggcctgtgga gtaaggtcaa 60

tgttgaagag gttggtggtg aagccttggg aaggcttctt gttgtgtacc catggaccca 120

tagatttttt gacagctttg ggaacttgtc ctctgcttct gccataatgg gcaacccaag 180

ggtcaaagcc catggcaaga aggtgctgac tgcttttgga gagtccatta agaatctaga 240

caacctcaag tctgccttgg ccaagctcag tgaactg 277

<210> 1718
<211> 442
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<400> 1718
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gcctgggacc tcaggtggct gagggagaga atgtgtttgg tgtctgccac atctttgcat 120

ccttcaatga cacctttgtc catgttaccg atctttctgg caaggnaaac catctgccga 180

gtgactggtg ggatgaaggt gaaggctgac cgagatgagt cctctccata tgcagccatg 240

ttggctgccc aggatgtggc ccagaggtgc aaggagttgg gcatcactgc cctgcacatc 300

aaactccggg ccacaggagg aaacaggacc aagacccctg gacctggagc ccagtcagcc 360

ctcagagctc ttgctcgctc tgggatgaag attgggcgga ttgaggatgt caccccccatt 420

ccctctgata gcactcgaag aa 442

<210> 1719
<211> 152
<212> DNA
<213> Mus musculus

<400> 1719
tggtgtctac accaaggtgt gcaagtatgt gaactggatt cagcagacca tcgctgccaa 60

ctaaatgcct ttagctcttc ataagccctc tctttgttgt caaatccacc ttccttctat 120

gccctaaacc actatcaaga gaaaaacatt tt 152

<210> 1720
<211> 440
<212> DNA
<213> Mus musculus

<400> 1720
ttaagctgaa gacagctgcc accctcaact ctcgagtgtc cactgtcgct ctgccaagat 60

cttgtccatc agctggtact aggtgtcttg tgtctggctg gggcaacacc ctgagctctg 120

gcaccaacta cccttcactc cttcagtgtc ttgatgctcc tgtcctctct gacagttctt 180

gcacaagttc ttacccaggc aagatcacta gcaacatgtt ctgtctgggc ttcctggagg 240

gcggaaagga ctcctgccag ggtgactctg gtggccccgt agtctgcaat ggacaactcc 300

agggtgttgt ttcctggggt tatggctgtg ctcagagagg aaaacctggt gtctacacca 360

aggtgtgcaa gtatgtgaac tggattcagc agaccatcgc tgccaactaa atgcctttag 420

ctcttcataa gccctctctt 440

<210> 1721
<211> 388
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (114)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<400> 1721
gggaactcaa tcactgcgta caactaacat aatttacaag ccattctaag ttaaatcctc 60

tggaagcaga tccaaatgga tccaccacct gaaacgaggt cccctctatc tatnnntttg 120

cctcatctcc agccctccca ctnactctct tctcctccac tgtccctctg cccaccccgg 180

aagtcccacc tacttgccca gtgattggtt tctttattca ttagaagggt cacatgacat 240

cccaagtatt tgattcactc ctctttccag tcagttcctc ttggggaagt tgaattagca 300

tcaaaataca gacagcacca gggctatnca caacactact acacctacct ttccaaggat 360

tcacactcta atatttcctc ttgttttt 388

<210> 1722
<211> 360
<212> DNA
<213> Mus musculus

<400> 1722
ggttattgtt tcaacatggc cctgtggatg cgcttcctgc ccctgctggc cctgctcttc 60

ctctgggagt cccaccccac ccaggctttt gtcaagcagc acctttgtgg ttcccacctg 120

gtggaggctc tctacctggt gtgtggggag cgtggcttct tctacacacc catgtcccgc 180

cgtgaagtgg aggacccaca agtggcacaa ctggagctgg gtggaggccc gggagcaggt 240

gaccttcaga ccttggcact ggaggtggcc cagcagaagc gtggcattgt agatcagtgc 300

tgcaccagca tctgctccct ctaccagctg gagaactact gcaactagac ccaccactac 360

<210> 1723
<211> 139
<212> DNA
<213> Mus musculus

<400> 1723
gaccatcagc aagcaggtca ttgtttcaac atggccctgt tggtgcactt cctacccctg 60

ctggccctgc ttgccctctg ggagcccaaa cccacccagg cttttgtcaa acagcatctt 120

tgtggtcccc acctggtag 139

<210> 1724
<211> 289
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<400> 1724
cctgctggca gtggtcctgg ttttgggact gcatgctctg gtagagggcg agaaaccttc 60

cccctgtcgg tgctccaggc tgacacccca caacagaaag aactgtggct tcccgggcat 120

caccagtgag cagtgctttg atcttggatg ctgctttgac tctagcgtcg ctggggtccc 180

ttggtgtttc cacccacttc caaaccaaga atcggagcag tgtgtcatgg aagtgtcagn 240

tngcaagaat tgtgggtacc cngggcatca gtcccgagga ctgtgccag 289

<210> 1725
<211> 279
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

<400> 1725
tctgcgggac actgttacac tcgaccccaa agccaacgcc caccttctat ggagctgact 60

tgtaatgcct tctaggtaac agcgactcac atccagactg acatctctgc tctaggaaat 120

aacactgttt atgagactgt acctgccacc cactggacag ggtgacagtt ctcagtgtag 180

ggtaagtcan gtgcagagtg gtgcgctccg agctcctgct gntcacacca tgggctcctg 240

tttaaccctc tagctcttgc ctgtggagac atgagggct 279

<210> 1726
<211> 511
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

<400> 1726
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tctagcctct tttataaaca gcgtaacact gagcacgatc caccctactg gcgnaggtgc 120

cgtgtggctg aatattaact acctagcttt gggggcacta catcactatg ggcatgtgga 180

gggtcctcac aaggttcagg ctgccaaact ctaccatgaa ctgcgggcca atgtagtgag 240

aaacgtccgc cagcaatacc aggctaccgg atttctgtgg gancagtaca gtgaccagga 300

tgggcggggc atgggctgcc ngccccnttc caaggatgga ccantncttn tcttactgat 360

catggctgaa gagtactaat gggacagaag gaaagctagn ccatttgtgt cacttggaat 420

atgcagacaa gggcttgggt ttctggtctc attgtttcag atctttgtaa gctcatctca 480

ggtntctcct tattgtcatc ccatatagct c 511

<210> 1727
<211> 298
<212> DNA
<213> Mus musculus

<400> 1727
tgggtttaca actgtgcact gcgtctggct tctacttcca tgtgtgttgt tggtgacttg 60

cactgcaaga acctgggact tggtaaagtt atctataagc tgggtctttg caccagtgca 120

agcccttact tgacagatgg agacactcat gaaacaagct tgctttgtag ccatgagtga 180

cgttgaattg attttcttgc cttacatgct gaggtcatag gtatgtacca ccaggcctgg 240

ctaatgttct gggtcattgt gcatcctagg ggaaatgtta gattcatgtc cctgggaa 298

<210> 1728
<211> 515
<212> DNA
<213> Mus musculus

<400> 1728
atactttcag catatgtccg gcctgagtac tggatttcat gatgttctgg ctatgacgaa 60

gcagatggaa tccctgaaat actgcaaaga tggcacttac atcatgtgag acgcagccct 120

gcggcatgaa cagtgaacag cggaggtcgg atgaggtgat aatgtcagag cagagtgaaa 180

ggttgcacat aattgtacga aaacttttta agctccctac tgttagatta aggagtctgt 240

tttaaaagaa aattgagatg cagaatgaag cattcattga ataagaaaat tgtcgctctg 300

tttgaattat gtgcttgaaa ggaatcttgc attggaatga acatgatgta accgtacaca 360

tcatcttcag gaatggacgc ataatgatgg attctggtga agaccaaaat ttcttctgtg 420

catttactct cagtcaggaa gcatccccac tgtaaatatg tatttacatg tttattacaa 480

agactcagat gaagttttta gtcgattttt tgcat 515

<210> 1729

<211> 549
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (250)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (486)..(486)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (499)..(499)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (506)..(506)
<223> n is a, c, g, or t

<400> 1729
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agagatccta ggcaaaccct taggagtgga aaagagaatc caaagtatct gctccatgga 120

gtagataggc agggtcctga attcaaaagg ttgtggaggg tggggagggc actgtatttg 180

gtatttgtga ccagtgctaa ttgttaaact gcaaagtagt gtttgctata gatattgtta 240

tcttgtattn nnntttataa cactgttgac taagaatcac aatatgttta aatatatact 300

tgaggnaaag tttatgttat ttttttctnt cgttggcatt tgatattaac anctntncta 360

accttattaa atgaantctt tgtntcatgt tgtgtgatgg atagaaagta ccactgagag 420

gctgttcttt gaaagtttgg aataaccagt aaagtgtgag tggaagaaga ttacagattt 480

gttctntctt tcccttgtnt ctgatntctt gtaatggaac acatttgtaa atatgctcac 540

tgtgcaaat 549

<210> 1730
<211> 566
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (377)..(379)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(442)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(447)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(452)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (456)..(456)
<223> n is a, c, g, or t

<400> 1730
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aatgtctccc aagaggctat cgccatcaag cggatgctag agatgggagc tgtcaagaac 120

ctcacatact tctgacttgg atgggagctg taacaccttg gttccctact ttgccatctg 180

agtaggccct gtctacagct tagaggttcc tggtgccagt acaatccaat tgaactcacc 240

ctcaatggag agggtgttct ggggctgtcc aggtctccag agaggctatg cccctgccta 300

ctttggtgga tttcaaatcc agacagggta gtcacaccga ggctacagga gcctggctaa 360

angngnnngn nnggngnnnc tgttactgtg gcatcccctc tctcagccag cacaaagagc 420

tgttttgttt tgtttnnttt nnttnnnttt nntttngtct tgtattgttg gtggtggttg 480

gttgggtttt gtttgtttgt ttgtttttgt ttgctttgtt ttgttcttga gacagggtct 540

gactgtgaaa ccctggctaa tctgga 566

<210> 1731
<211> 289
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<400> 1731
agcttcacca gatctcggaa tggaccccaa ctgctcctgc tccaccggcg gctcctgcac 60

ttgcaccagc tcctgcgcct gcaagaactg caagtgcacc tcctgcaaga agagctgctg 120

ctcctgctgt cccgtgggct gctccaaatg tgcccagggc tgtgtctgca aaggcgccgc 180

ggacaagtgc acgtgctgtg ccntgatgtg acgaacagcg ctgccaccac gtgtaaatag 240

tatcggacca acccagcgtc ttcctataca gttccaccct gtttactaa 289

<210> 1732
<211> 469
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<400> 1732
ctgcggcagc cacataaggt tgttcccttg aaaggcctgt gggaggaggt ggcacctacc 60

ctgcctgacg gtcactttga tgggattcta tatgacacgt acccgctgtc tgaagaggcc 120

tggcacactc accagttcaa ctttattaag aatcatgcct tccgcttgct gaagaccggg 180

ggcgtcctca cctactgcaa cctcacgtcc tgggggggagc tcatgaagtc caaatacaca 240

gacatcacca ccatgtttga ggagacgcag gtgcctgcac tgcaggaagc tggcttcctg 300

aaagaaaana ntctgcacag aggtgatggc actggtgccc ccagccgact gccgctacta 360

tngccttccc tcagatgatc acacccctgg tcaccaagca ctgagcagcc ggcccaggtc 420

tnacnaaggn aggcctngtg ttcctcctca gtacctttgt ggctggatt 469

<210> 1733
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<400> 1733
aggaggcatc tcatccccgg tgaagaagac agagatggac aaatctccat tcaacagccc 60

gtccccccag gactcccccc ggctctccag cttcacacaa caccacaggc cggtcatcgc 120

ggtacacagt ggcatcgcgc ggagccccca cccgacctcg gctcntgcac ttccctgcca 180

cgcccatcct gccacagaca gcctccacct acttccccca tacggccatc cggtacccgc 240

cacatctcaa cccccaggac ccgctcaagg atctggtgtc cctggcctgt gacccggcca 300

cccagcagcc tggaccgcct gctctccgcc cgacacgtcc cctgcaaaca gtccctttgt 360

gggattagga cggagggatc ctcttgcggg acagtcctgg ta 402

<210> 1734
<211> 254
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<400> 1734
cctatctcca tgcattgcaa caagacttct gctgtccgct tcccgggtga gtggaanctg 60

cagcctttgc ctaagatcac ctccacgctg gaagaaccca ccccacgctg ccccatccga 120

cagactcaga gccccgctaa ccccactgtg cccatcacaa caggaggcag atgctgaata 180

gacccacctt gtgagaagct attcttcaag accctcctcc tcctgtccac ctgggctcac 240

accagctctg tgta 254

<210> 1735
<211> 382
<212> DNA
<213> Mus musculus

<400> 1735
gcaaaggcga cgtcccaact aagagaccac ctgtcctccg agcaggagtc aatacagtca 60

ccaccttggt ggagaacaag aaggctcagc tggtggtgat tgcccatgac gtagacccca 120

ttgagctggt ggttttccta cctgctctgt gtcgaaagat gggggtgccc tactgcatca 180

tcaagggaaa ggccaggctg gggcacctgg tccacaggaa gacatgcacc accgttgcct 240

tcacacaggt taactcggaa gacaagggtg ctctggctaa gctggtggaa gctattagga 300

ccaattataa tgacagatat gacgagatcc gtcgccactg gggaggcaac gtcctgggtc 360

ctaagtctgt ggctcgaatt gc 382

<210> 1736
<211> 484
<212> DNA
<213> Mus musculus

<400> 1736
taggaagaca ctgaacaacg acattatgtt gctcaagctc tcttcccctg tgaccctcaa 60

tgccagagtg gccactgtgg ctctgcccag ctcctgtgca cctgctggca ctcagtgtct 120

catctctggc tggggcaaca ctcttagctt tggtgtcagt gaaccagacc tgctccagtg 180

cctggatgcc ccactgctgc ctcaggctga ctgtgaagcc tcctatcctg ggaagatcac 240

tggtaacatg gtctgtgctg gcttcctaga gggaggcaag gattcctgcc agggtgactc 300

cggtggccct gtggtctgca atagagaact ccagggtata gtctcctggg gctatggctg 360

tgccctgcca gacaatcctg gtgtgtacac caaggtctgc aactatgtgg actggattca 420

ggacacaatt gctgccaact agaaattccc attccctctg cagtcaccat accaataaag 480

tgaa 484

<210> 1737
<211> 423
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<400> 1737
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gggccgaagg caaacggaag ctgcagattg gagtgaagaa acgtgtggac cactgtccta 120

tcaagtctag aaagggagat gtcttacaca tgcactacac gggaaagcta gaagatggga 180

cggagtttga cagcagccta ccacagaacc agccctttgt tttctccctt ggcactggcc 240

aggnttatca agggctggga ccaggggctg ctggggatgt gtgaagggga aaagcggaag 300

ttggtgatcc catccgagct ggggtatgga gagcggggag ccccccccaaa gatcccaggt 360

ggagcaaccc tggtgtttga ggtggagctg ctcaagattg agagacgctc agaactgtag 420

cag 423

<210> 1738
<211> 381
<212> DNA
<213> Mus musculus

<400> 1738
agacacgacc actacaactc agaagcacca aggacgcagg tagagtcagc cgcgtgttcg 60

agcggtgtca cagccggatc ctgcccagac tgctgcctgt gtgctttccc ttcaagccat 120

tctgactgct gagggttctg ggttccttct agggtattgg gttatctttc cccgctgagg 180

gttcttgctg atcacactca ccccatcctt atcatcccac ccagccagtg agaaattcag 240

actggaggcc ttcaaccttc tgaatgtctt cactaaagct gctggaaacc actgctttta 300

ttcccataaa accagtgttg tttttacaaa aagaagtctg ttttctatgt aatgtcacag 360

ttgttgacgt tcttcagtgt a 381

<210> 1739
<211> 272
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<400> 1739
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atcttgccgt cccactgggg tgctaggaaa tccagngatg acggctgctc tgatatggtg 120

ctcttctgag gtgggcataa gggctggccc ttatttgctc tccctccttc gacttgcaga 180

aattaattta attaattaat ttactatatt aaagcccttg gtcacccaag ggctcagaaa 240

acaagctgtg acaagcagaa accatgtcta gg 272

<210> 1740
<211> 336
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<400> 1740
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gtgtctgagc tcatggacga ctgttcctgc atccacgatc gcttccgcct ccatgagatn 120

tactccatgc acgtgctgga gggctgctgg ntcctntatg agatgcccaa ctaccgagnc 180

cnccaatacc tgctcaggcc tggagactac aggcgctacc acgactgggg cnccatggat 240

gccaaggtcg gctntctgag acggntcatg gatttgtact aancctcctt ttgcttgtta 300

cagcccatat atgcaataaa taatcaacct gtgttc 336

<210> 1741
<211> 403
<212> DNA
<213> Mus musculus

<400> 1741
actcctacag ctccgtgaga atgggcaaac agagggaatc catgttctaa gatgaaggca 60

ctttctccct gtcagcctga tcttatgatg cctgctttca cctttccctg tcctgaatgc 120

acctgtgccc tctgcacagt tatgtctaac catgccatat accctctgct atgccactga 180

tacccataac ttaaagtcaa ttatgtagaa ccagttagaa gtgatttcac cgtacaagtc 240

ttgttactct tgcagaggac caaggaatat ttcccaccac tcacctgact gctcacaagc 300

cctgaaattc tagtttccca tctattactt gatttttat tttattttat tttttttgc 360

ttctactggc tcttgtatgc atatgtgcac ttatccagac tga 403

<210> 1742
<211> 143
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<400> 1742
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actgctgcct caggctgact gtgangcntc ctatcctggg aagatcactg gtaacatggt 120

ctgtgctggc ttcctagagg gag 143

<210> 1743
<211> 382
<212> DNA
<213> Mus musculus

<400> 1743
taaatttctt agtcccttct tccagcccaa ccaaagacta tgtactatct caaaattcgt 60

aggttccttc tgattgaaca ctgtctactt caaactataa gaaggctgga gtggggccag 120

aagacttagc tccatgggag agttcttgcc tgccaaacac aggccctggg tttgatcctc 180

agctggggaa ggaagcttgg ctaagtggca gggcagttgc ctctaatcgc tgggaagagg 240

cggcccagag gcagcacagc gccttaggtg ctggccacca tctctgttgg tgtactcccc 300

cagcttccca tgaaaccatc ccatgtcctt caccatggag cccacacaga accaacatga 360

agttcaagcc tcaggatccc tg 382

<210> 1744
<211> 372
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<400> 1744
ccgttgttct tgatcttcgt gctgggtctg gttgtgatcc ctcccactct ggctcaggat 60

gactccaggt acacaaaatt cctgactcag caccatgacg ccaagccaaa gggccgggac 120

gacagatact gtgaacgtat gatgaagaga agaagcctaa cctcaccctg caaagatgtc 180

aacaccttta tccatggcaa caagagcaac atcaaggcca tctgtggagc gaatggaagc 240

ccttacagag aaaacttaag aatgagcaag tctcccttcc aggtcaccac ttgcaagcac 300

acaggagggt ctccccgacc tccatgccag taccgagcct ntgcagggtt cagacatgtt 360

gttattgcct gt 372

<210> 1745
<211> 394
<212> DNA
<213> Mus musculus

<400> 1745
agggccgtgg ttagagctta gcaaaacctt tatttacaga acagaaggca tactagatat 60

gaaccatgag ccgcaagccc tcgctcaccc tgtgagggat tgtcatggag aagccctgtc 120

tgtgtccgga ccacgttccc caaagagttc ctctacctcc catgtctccc agatcgtgac 180

cccaaggact gctttctgac tcagtccctc cccagcttcc ttctgtctta ccttgctgtc 240

aggtgactcg ttttcctagc tcacctgtac agattcggga catttctttt atcgcttttt 300

ggagcgaatg gattccaagt gtcctttctg gagactaaga aaagggtggg cttgcttctc 360

taagagtcct gggagcctga gtccttagaa cata 394

<210> 1746
<211> 521
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<400> 1746
caaaaccatt ttctattacc tgatttggag aaaggtctac agtagagctt gtgccccatt 60

tgaaccccat ccaaaaatct attttaacct caataaattt agaaaagtta catattaagg 120

ctatgtgaag aatgagctta tatatggacc aacttcagat gagagtgtct gagagtatct 180

cagagagctc acaagcacga attcctctaa caaacaagag taacagaaaa gttgcatatt 240

tgttgaaacc actaatggta ttgctctgta aggtggacat atttgtatgt gggaagtcct 300

ggtctgttct gtgtaactgg acagttctac acatgataag aaatgtagct agtaaggaaa 360

tctaaaataa cagattcctc ccatgagtat ntgatgtttt caaaatcctt aaatagtgat 420

atagatgaat aattcataaa ccaaagctga ctttgaaatt tttgatctct ggttgctttc 480

aagcctttgg aactttgttg cttatctcct ttaaataact c 521

<210> 1747

<211> 187
<212> DNA
<213> Mus musculus

<400> 1747
agatctgaca ctctccggag acacccacaa aaaggatggt gttgtgttta aacaaacaca 60

gcccagaccc aagctgagga agcccacata ttctattata gatatataat ataaataacc 120

acacaggcac ttgctgtcaa cgttttgagt cagtgcattt caaggaacag ccctcaactc 180

acacgtg 187

<210> 1748
<211> 326
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<400> 1748
ttctgaaatg tgtcttgcct tgggtataag cttttaattc tagaggtaag atagctatgc 60

atccatcttt ggctgagctt agacagagnc tgagaaatga ttcccaccgt cttaaatagg 120

actaatcttt taaaatccct cacttttctc aagctaacta atctggctct ccccttcctc 180

tatcctcctt tctccttctc ccttccttcc tccctctttt tcctcttcct ccctcctttt 240

ggtttttaag acagagcttt tagtattgtt gtcctgattg gcctcatatt tgtcacagtc 300

cttcttcctc attctcttga aagatt 326

<210> 1749
<211> 325
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<400> 1749
aagatccctg gctttgctga cctgcccaaa gccgaccagg acctgctttt tgaatcagct 60

ttcttagaat tatttgttct gcgcttagca tacaggtcca acccagtgga gggtaaactc 120

atcttttgca atggggtggt cttgcacagg ttgcaatgcg tgcgtggctt tggggaatgg 180

attgattcca ttgttgaatt ctcctccaac ttgcagaata tgaacatcga catttctgcc 240

ttctcctgca ttgctgnccc tggctatgnt cacagagaga cacgggctca aggaacccaa 300

gagagtggaa gagctacaaa acaaa 325

<210> 1750
<211> 390
<212> DNA
<213> Mus musculus

<400> 1750
aggcatgctg cgtcccaagg ctttgacgca ggtgctaagc caagccaaca ctggaggagt 60

ccagagcacc ctgctgctga ataatgaggg atcgctgctg gcctactccg gttatgggga 120

cacagatgcc cgggtcactg cggccatcgc cagtaacatc tgggccgcgt atgataggaa 180

cgggaaccaa gcgtttaatg aagacagtct caaatttatc ctgatggact gcatggaggg 240

ccgtgtagcc attacgaggg tggccaacct tctgctatgt atgtatgcca aggagaccgt 300

aggcttcgga atgctcaagg ctaaggccca ggccctggtg cagtacctgg aggaacccct 360

cacccaagta gcagcatcat aacagcgtga 390

<210> 1751
<211> 522
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

<400> 1751
ggaaaagtag ccaccacact tcaggcctca agggagcagt ctcacctgtc tgtgtcccta 60

aatagatggg ccacagtgat ctgtcattct aaatagggaa gggaatggaa atatatatgt 120

atacatataa acttgtttta aaggagcctt tggtctcctc tatgtagact actgcttctc 180

aagacatctg cagagtttga tttttgttgt tgttctctat tgctgttgtt gcagaaaagt 240

ctgactttaa aaacaaacaa acaaacnaaa aacttttgtg agtgacttgg tgtaaaacca 300

tgtagtttta acagaaaacc agagggttgt actgatgttg aaaagaggaa agaaaaataa 360

tgtaagantc tggtgtaccg gaccaggaga aaggagaaaa acacatccca ttctggacat 420

ggtgaaatcc aggtctcggg tctgatttaa tttatggttt ntgcgtgctt tatttatggc 480

ttataaatgt gtgttctggc tagaatggcc agaattccac aa 522

<210> 1752
<211> 430
<212> DNA
<213> Mus musculus

<400> 1752
gaattgtgag gccatccgat ctacaacaga gtgagttcca ggacagccag ggctatggag 60

agagaacctg tctccaaaaa ccaaaaagag cgattacccc agagccttct tcctgatggt 120

agcggggagg ggcaggactg gacccatctt gctcagtgcc tcctgacctc aatgcctttc 180

ctccaagggg tctgtataca tttctcaagc ctgctcctcc catgtttgca tgtgtgttat 240

agtctacagc caaagtatag ccctcactgt aaccccatcc tgcctccctc ctttgggata 300

ggtgtgtgcg tctgacttgg gcctccaggg tgtgtacagt cagtgtgggt tttgtggagg 360

caataagact gaagcagtag acaatcccca ataccatttg caggtctgga actgcactct 420

ctttttaaa 430

<210> 1753
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (36)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<400> 1753
atggattgtt ttttctatgt gggtaatttg aatgcnnacn ttaaaagaaa aaagtcagga 60

atgtcaacag atgagctcat ctgcccgagc tttgcaagtt tctaagaacc nacctcagct 120

tctnaaacac anagccagaa ccacataaat aaatggcaga gctactcgga aacttctcct 180

tttcatggtt aggctgggaa agtctgtctt tggtttanat ggcagtggta gtataaggtc 240

tctcttctgt ntgctgagac acaagggagg aagtgtggga gaagtttgcg ggtagatggc 300

cntnagntnn tcacntgang natagnatac tttaaantca gatggaaatt cttagtagcc 360

tgagttcaag cttntccnag aatagcttnt tagtgtatta tgacacttca ctctgaccct 420

gttactctgg gncagtttcg cctaagaaag ttctgaattt ccgagatgcc tttttgttgt 480

agcttctgtg ttccctttg aatgactg 508

<210> 1754
<211> 389
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<400> 1754
tttaatagaa agcatggcac caatgacatt atgttattaa aactggagag taaggccaag 60

agaactaaag ctgtgaggcc cctcaagttg cccagaccca atgccagggt gaagccaggg 120

gatgtgtgca gtgtggctgg ctgggggaaa acatccatca atgccactaa agcatctgcc 180

cgcctgcgag aggctcaact gatcatccag gaggacgagg aatgcaaaaa actctggtac 240

acctattcca agaccacgca gatctgtgct ggagacccaa aaaaagtaca ggctccttac 300

gagggtgaat cnggggggacc cctngtgtgt gacaacctag cttatggagt tgtatcctat 360

ggaataaaca ggacaatcac tccaggagt 389

<210> 1755
<211> 101
<212> DNA
<213> Mus musculus

<400> 1755
gaggtaactt tgcacttgtg ctgcatgggt atatccatta tttctggtgg tttcttaggc 60

ttgcaaagag cacggttccc aagacgggtt tatacacgta g 101

<210> 1756
<211> 270
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<400> 1756
ctcctgagtt taacattgat attgtgaaaa taaatgcagt tcagatttat ttcttaagat 60

tcattcttca caaaagggtg attaaggaat tatgctcata aaggaaccta agcaagctgt 120

attgtgtgtg tgctgtgtgt acacacattt gtgtgtgctc agaatacatg ctttctgctc 180

ctgacttttt gttgtacagg attcagattc ctantcctac aagatgatgt ttgtgtgtaa 240

ggcacacctt ttttgttgct ttattcatga 270

<210> 1757
<211> 331
<212> DNA
<213> Mus musculus

<400> 1757
ccagcacctg tcttcctgat tgtaattctg ccactgccat ccatacttgt tatatcatga 60

ctggttaaat tatgactagt aagccacgga gtagtgctga agactgttcc ctgggagtaa 120

gtcccgtgtg cggccacctg ctggtatctt gacttttatc ttggctttag tccctgtata 180

tccctggatc aaagacttgg agcctgttgc tatttatctg ttctttatct gtagtctgaa 240

ctggtttacc ctgctgttgt caccccaagt tcttgccatc cccttcctca gctcaactcc 300

tgttttcagt gtaggttctt tctgtttggt t 331

<210> 1758
<211> 89
<212> DNA
<213> Mus musculus

<400> 1758
ttcggaccct gtaattccta ccagtaccgc ctggttggac ctgggcagtg ggaaggagcc 60

aggaacgcca tcctcaccca gaagcagag 89

<210> 1759
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<400> 1759
agttcgcatg taccagaatg tgtcaaatca gcccatcctg ttggtgatag agaaggcatg 60

ctcaggactg ttagcagtgt ggccagttca ctgtaacgaa ggcatggcca gcgaccctaa 120

cgcccaggtt ccaaggctgg ttctgtttag tataagaaca gaaaagcttc atttctccga 180

tgcagaagtc ccagtctgta tgatgaaggt aacttccctg cctacttcac agggtcactc 240

tgaagagcac agacctaact gaaggggagg cccagggtag ctggctgctg tggttggcca 300

cagaaagcgg ccatgacagc tgcctgatgg actaccatac ttggttatta gaagaaacca 360

ccccaaagcc taacagcaan ccttccttac gttgagcgat aaagtattaa aaattaaacc 420

tnccccctgtg gttttactgg tcctatgtgt gtgcctcagc tcagagac 468

<210> 1760
<211> 417
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<400> 1760
ggaacagtgg taggcgcagc acaccgcagt ccagaaagtc tcctggagct caaagccttg 60

aagccagggg tcattcaaat cctgggtgtc aaagcctcta ggtttctttg ccaacagcca 120

gatggagctc tctatggatc gcctcacttt gatcctgagg cctgcagctt cagagaactg 180

ctgctggagg acggttacaa tgtgtaccag tctgaagccc atggcctgcc cctgcgtctg 240

cctcagaagg actccccaaa ccaggatgca acatnctggg gacctgtgcg cttcntgccc 300

atgccaggcc tgntncancg agccccaaga ccaagcagga ttcctgcccc cagagccccc 360

agatgtgggn tcntntgacc ccctgagcat ggtagagcct ttacagggcc gaagccc 417

<210> 1761
<211> 261
<212> DNA
<213> Mus musculus

<400> 1761
ggcacatctg gaacagttgc ttactgaccc ccattcccta aggacaattg ccaactttga 60

ccctagggtg accttacgcc tgcccagcct gagtggctct gatgggatcc cttatcgaag 120

tgtctctgag tggcttgaat ccatacgcat gaagcgctac atcctgcact tccgttcggc 180

tgggctggac accatggagt gtgtgctgga gctgacggct gaggacctga cgcagatggg 240

aataacgttg ccagggcacc a 261

<210> 1762
<211> 487
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)

<223> n is a, c, g, or t

<400> 1762
agatcattcg acacccagac tataacaagg acactgtgga taatgacatc atgctgatta 60

aattgaagtc acctgccatc cnttaactcc caagtatcca cagtctctct gcccagatcc 120

tgtgcatcta caaatgctca gtgccttgtt tctggctggg gaaatactgt gagcattggt 180

ggaaaatacc cagcactcct tcaatgtctg gaagctcctg tcctctcggc cagttcttgc 240

aaaaaatcct acccaggcca gattaccagc aatatgttct gcctgggatt cctggagggt 300

ggaaaggact cctgtgatgg tgattctggt ggacctntng tctgcaatgg agagatccag 360

ggtattgtnt cctggggttc agtctgtgca atgagaggga agcctggtgt ttacaccaaa 420

gtctgcaact acctaagctg gattcaggag accatggcga acaactgatt tctcttgcct 480

tccataa 487

<210> 1763
<211> 332
<212> DNA
<213> Mus musculus

<400> 1763
tgcagatggc gctcagctac atcatcgcgc tcacccgcat cctagccgaa gccgagcggg 60

actgggtcgg gctgcgctgc gagcagcggg gccgcgatca cccctacctc cctttcccgg 120

gtgctaggct ccaggtagac cctgagccct atgggcagag gctcttcggc ttccagccgg 180

agcccttccc catggccagc taagcctcgg ggccatttgg gtcttagggg agaaaactca 240

atcacctttt ctgcttaatt tccttcccgt ttcaaacagg tagatgaaat gagttcattg 300

cctccctatc tccacttctc ttgtgttttg ta 332

<210> 1764
<211> 419
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<400> 1764
tgctgtacgt tcataagtct cccaactact gcgtggagaa caagaaactg ggnattcctg 60

ggacccaggg cagagagtgc aaccggacat caggaggcgc agatggctgt aacctcctct 120

gctgtggccg aggctacaac acccatgtag tcaggcacgt ggagaggtgt gagtgtaagt 180

ttatctggtg ctgctacgtc cgctgcagga ggtgtgaaag tatgaccgat gtccacacgt 240

gtaagtaacc tctccgtcca gcctagcatg agacgcctct gtngtaacca aggtgtggtg 300

ttggcatntg gagggcgccc ctactgtgca ctgatgggga agtcgctgcc tgtaagagtg 360

ttcccagacc cctgggctag tctacgattt ctttctttct ggcaggcttc aaatcacaa 419

<210> 1765
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<400> 1765
cgcgttttgg agaccttggc cctgagcttn tgggggctgg gncggggatt gggggtggtg 60

tagagactcc agtcagaggg caggagaggg atccgggcga gganggcanc ggggcgcgcg 120

ggctcancgc gcgggtgaga tgtggtctat attagagtat ctatntaaat atatattttc 180

ccatcccttt tccctgtccc acttccctgt gtgtagcatt gtactctctc taccctagtc 240

cagtcccagt cccttcccga gtccctagtg catggaataa aatcgttatt aaatcccggt 300

gtgtccccta gccaggggcc tgcctttata ttggcgccac gcctacttgc ccataccctt 360

ctcccacctt taggcctgct ctccacggcc caagccctgg gggagacagg taagtaaaga 420

gcggagcgac agactgaggt tggagctgaa ctttatttgt gggtcttt 468

<210> 1766
<211> 468
<212> DNA
<213> Mus musculus

<400> 1766
tttactcttg aaccacgaac gattgaagat ttctggagta taagtacata ctaccaggta 60

tctcgaacat ctgtgatgac aaacacatca ctttgttccc tacataccaa agacggagtc 120

catggcttaa tgggcaccat tcttgcctat aagaagttca attataagga caatatagat 180

ctggtagagt ttaagactct gaaggaagaa gaaatagaag aagtcctgaa gagtgttttt 240

ggaattcact tggagacaaa gcttgtgccc aaatgtggca atgtcttttt tactatttag 300

agtaataagg ggaaatgatc tttaatgttt ctatatgcac ttattctttc atgaaaaaca 360

atcaaattat gcaaaattag gtgacagact gagaagcctt gagatatcat cacaaagttc 420

atcaatgatt gactggtata tcaacatctg tcccctacat tatggtaa 468

<210> 1767
<211> 552
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(436)
<223> n is a, c, g, or t

<220>
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<222> (438)..(440)
<223> n is a, c, g, or t

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<222> (442)..(447)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (452)..(459)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (474)..(477)
<223> n is a, c, g, or t

<400> 1767
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agggcaagga gcttaaggat cctgatcagc tatatacgac cctcaaaaac ctgctggctc 120

agatcaagtc acaccccagt gcctggccct tcatggaacc tgtgaagaag tcagaggctc 180

ctgactacta cgaggttatc cgtttcccca ttgacctgaa gaccatgaca gaacggttgc 240

gcagtcgcta ctatgtgacc cggaagctct tcgtagctga cctgcagcgg gtcatcgcca 300

anctgccggg agtacaatcc cccnanacag cgaatactgt cgctgcgcca gtgccctgna 360

gaagttcttc tacttcaagc tcaaagaggg agggctcatc gacaagtang ccnccagctg 420

gnatccgnaa nnncnnannn cnnnnnntnn gnnnnnnnng gnnnnnnccg ancnnnnctc 480

ccggactcag ctggagaaaa ctccagccga ggaccccaga tcttacagac tttcttggcc 540

cgcaggcact ca 552

<210> 1768
<211> 482
<212> DNA
<213> Mus musculus

<220>
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<222> (89)..(89)
<223> n is a, c, g, or t

<220>
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<222> (111)..(111)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (256)..(256)
<223> n is a, c, g, or t

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<222> (286)..(286)
<223> n is a, c, g, or t

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<222> (288)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
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<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(368)

<223> n is a, c, g, or t

<400> 1768
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ccgttcagaa cctccactga ggatggggnc ctttgtcaaa cactgttgaa nggaganggc 120

agctgtgtct gctggtagag ttcctaaggc tctgaagatg accagttggt gatgtnctcc 180

aggaagtgga ctgagacttg ctaccggagc tggttaagtc aggttaggct cccagtacca 240

tcaaacatgt cagccnttcc ttcgtgcctg atggatcatg gctttnancc accaggancc 300

tgtnctggga gcctcctggc tnaagatcaa ntgtgccttg gntagcccga ttcacgtnng 360

ggttccnnct tggcacagca gcgcccacga tgggctcagg attcttactc agacgctgtc 420

aacttccgga agactcagga gggtcggact tctccaagaa ccctcaaagg tgcacaaatg 480

at 482

<210> 1769
<211> 381
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<400> 1769
gtggtggatc ataaagggcc ccatcctcat ctccatcttg gtgaacttca tcctgtttat 60

ctgcatcatc cgaatcctgg ttcagaagct acggccaccc gacatnggga agaatgatag 120

cagcccatac tcgaggctgg ccaagtccac acttctgctc atccctctgt tnggagttca 180

ctatgtcatg tttgccttct tccccgacaa ctttaaggcc caggtgaaaa tggtcttnga 240

actcgtcgta gggtctttcc agggttttgt ggtggccatc ctctactgct tcctcaatgg 300

cgaggtgcag gcagagctgc gacggaagtg gcggcgttgg catctgcagg gcgtcctggg 360

ctggagctcc aaatccacaa c 381

<210> 1770
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<400> 1770
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atccctcttt tttgatgttt ttaattcaaa atattttacc tgtccttcac ttaaatccag 120

acaactctga gattncacct tacacccatc agaatggcta agatcaaaaa cccaagtgac 180

agncacgtgc tggagtggat gtggggcaag ggaaacagtc ctccattgct ggtgaactta 240

cacaaccact ttcagtgcaa gtcatgncag gacaagcntt taggaagttt cttctgattg 300

ctgacagngt attggttgaa aggaatgccg ccgaaattgt agccaaaggt ggcattatgc 360

ttccagaaaa gtctcaagga aaagtattgc aaggaacggt cgtggctgtg gggtcaggca 420

ggaaaggaaa gagtggagag attgagcctg tcagtgtgaa agttggagat aaagttcttc 480

tcccagaata tggaggcaac gaagtagttc tagacgacaa ggattagttc tttctat 537

<210> 1771
<211> 491
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<400> 1771
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ggcacaccac ctggggtccc ctntntnccc cncccccagc ggctccccaa aaggttccaa 120

gtcaaagagt ttcagcatcg acagcatntt ggccgngaga ccgacgccag cctcaggggc 180

cgaagcaccg gggatcccta agcccgtgcc tggcgcgctg ggctcctctc tgctggctgc 240

ctcctccggc ctagcgcctc ccttcaacgc ttcgctggtc ttcgacgcgc acgtccaggg 300

cggcttttcc cagctgggga ttcccttcct ttcttatttt cctctgcagg ttcccgaggc 360

cacagtgctt cgtttccact aaggcggatt agcggctgct tccctgcctc gcgatccccc 420

cacctccagt gagccaatgc ctgtgggcga aggagtcgcc ccggtctctg ccctggcaga 480

gactgagggt t 491

<210> 1772
<211> 327
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (154)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (167)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (178)..(180)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<400> 1772
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caacattcct agacatggca ggaggacatc atccttagct taggctaagg attcctgtcc 120

tgaggcatca aagagaggta actcaatggt cagnnnnnnn nnnnttnnnn nnnnnncnnn 180

ctttctnttc tccattcctc cgccatcgtg cgcgctattc ttgattcggc ttctcgccat 240

gtctntctca caagactttc cgaatcaagc gattcctggc caagaaacaa aagcaaaatc 300

gccctattcc tcagtggatc cggatga 327

<210> 1773
<211> 393
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<400> 1773
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taccttgaat aagaagatca gaaacgcaca gttagcacag tataacttca tccttgttgt 120

tggtgaaaaa gagaaagcca gtggcacggt gaacatccgc acgagagaca ataaggtcca 180

cggagagcgg acagtggagg agacggtgcg gcggctgcag cagctcaagc agacgcgcag 240

caagcaggca gaggaggagt tctagcaggc acacgctgtg cccgagctgg cnccgtgtca 300

gggaagacct tgtacaccgg gaagcaagcg tggcttcagg ccgagcgtgg agtagctntg 360

cantctgcat gaatcggcct ttgatctggc caa 393

<210> 1774
<211> 385
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (130)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(136)
<223> n is a, c, g, or t

<400> 1774
acagatctga gtggtttttg agcccaaaac aataatgttt taaagttatt cccttgatac 60

tttactgaga cctttatcat tcctcagaca gtctgctgat ttaaaaatgt agcattccat 120

ttgtatttan ntttnntacc ctttgccaaa aagatttttc taataatgct tgtacaggcc 180

aaggccgtgg tccaaaacac tattcagttt tcttgtactg aggatccccc cacccccacc 240

accctcacat tattgactcc tggcttctat cagccaaact ttgatgtggt ttggatttga 300

tagccaattc tgtgctggtt gcaaagagtt catattgaga taacttttaa tactcagcag 360

attgtcttcc tttatattgt tatct 385

<210> 1775
<211> 285
<212> DNA
<213> Mus musculus

<400> 1775
tacaatgtca cccagcatgc cgtgggcatc attgtcaaca agcaggttaa gggcaaaatt 60

ctggccaaga ggatcaatgt gcggattgag cacatcaagc actcaaagag cagagacagc 120

ttcctgaagc gggtgaagga gaatgaccag aagaaaaagg aagccaaaga gaagggcacc 180

tgggtgcagc tgaagcgcca gcctgcgcca cccagagaag cacactttgt gaggactaat 240

ggaaaagagc ctgagctgtt ggagcccatt ccatacgaat tcatg 285

<210> 1776
<211> 316
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<400> 1776
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gctgcagaga gaaccctgga ggatgttttc cttcgaaagt ttatgatggg cacctttccc 120

ggctgcctgg ctgaccagat tgttctgaag cgccgggcca accaagtgga catctgtgcc 180

ctggtcctca ggcagctgcc agcacacaaa ttctnacttc ctcgtgggct acagtgagac 240

tctgttgtca cacttttnac aagtgtcctg tgcgactcca cctgcaaact gtgccctcca 300

aggtcgtgta caagta 316

<210> 1777
<211> 386
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(343)
<223> n is a, c, g, or t

<400> 1777
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aaactgtcgt atactaaaaa gtcatgggag gaagtattaa aacaagcatg acttctgtaa 120

cagaccacgc ccagaaccac cagattgcaa atggacatca aagcaaaagc tgctctcttc 180

aaatagttac atgagtagta ttagtacaaa ttccttattt acatcaaaat ctgtttcagt 240

ttgctggtgt gaccacagct taggtaattc caaaggagaa gcaacttcag agatgtttag 300

ttggtagaag ggcttaaann tntactanaa gtcacaaacc anntaggtaa cactacactg 360

gtcacctgtt caaagtagac cattag 386

<210> 1778
<211> 458
<212> DNA
<213> Mus musculus

<400> 1778
accaggccag gagccaagct gtggaagaaa ggggaagggc tgcccaactt tgataacaat 60

aacatcaagg gctctttgat aatcactttt gatgtggact ttccaaaaga acagctgaca 120

gaggaagcaa aagaaggtat caagcagctt ctcaaacaag gccccgtgca gaaggtgtac 180

aacgggctgc agggctatta ggagcgaaga gaactggact ttgaaagagg tggatcagcg 240

atatttatta tctgcagtgg gtttttgtgt gtgtgtttca ttattttcaa tatgcaagtt 300

tggcttagtc ctttttttccc tgatgaccgt cctgacaaga actagaggtt tgaggctctg 360

tctattgcat tcagacaaca atggccatgc agaaggttac ctaatacctc cccctctggg 420

gatttaacgt ctggtgctgc ccgaggttca aggagtaa 458

<210> 1779
<211> 371

<212> DNA
<213> Mus musculus

<400> 1779
ctatagttag tgatggcgct tccctattta tatttgtatt aattgcttac aaagcatacc 60

tcatactagc agtgatgtta cactacagga aaactgtact gtacaggaaa actgtactgc 120

ctacctttga tttttgaaat tgttgtaact acttagaaaa tagtccttaa tatagtttga 180

cttttccttt tagtaatatt aatcttttca cctaacccta ggcagcatta aatagatatg 240

aaaaaagata gtgtattaat tttattttcc ctccttaaaa gcttattatt tgaattatat 300

gcacatgtaa gactatttac aataattcac aggttaagtg gtgttgataa gtggtcatac 360

tttgatttct t 371

<210> 1780
<211> 577
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<400> 1780
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cctaagcccg gagccgagcc accgcaagtc cactaccccg cgctcctggc ggcgggagcg 120

ctgcttgcgc agacggngct gctgttgcac tgctacctgg gcatcgtgcg ccgcgtgcgc 180

gtcagcgtca agcgggtcag cgtgctcaac ttccacctgc tgcaccagct acccggntgc 240

gccgccgccg ccgccgcctt ccccgccgcc ccgcacgcgc cgggtccggg aggcgccgcg 300

catcccgcgc agcctcaacc cctgccggcc gctctgcagc ctcgccgggc gcagcggcgt 360

ctcagcggct tgtcggtgct gctgctctgc tgcgtcttcc tgctggccac gcagccgctg 420

gtgtgggtga gcctggccag tggcttctcc ctcccggtgc cctggggcgt gcaggcggcc 480

agctggctcc tgtgctgcgc cctgtcggcg ctcaacccgc tgctctacac gtggaggaac 540

gaggagttcc gcagatccgt gcgatctgtc ctgccgg 577

<210> 1781
<211> 451
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<400> 1781
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ttttttttat aaaaaattgg cactaataag tgggtttatt ggtcttttct aattgtataa 120

tttaatttag tacaaagttt gtaaaatatc agaggatata tatatattgt ttctacgaca 180

tggtattgca tttctatctt tttactacag tgatctgtga cagcttcatg ttgtattttt 240

tttactgaaa ttgtnanaat atccatctta aagacntcag ctattctgaa aattgtgtac 300

aggatattcc tttagtggtg gaattaaaat gtacgaatat ttgctttttc aaaaaaatgt 360

attttctntt aaaggtttaa agatttttgc tatatattat ggaagaaaat gtaatcgtaa 420

atattaattt tgtacctata ttgtgcaata c 451

<210> 1782
<211> 234
<212> DNA
<213> Mus musculus

<400> 1782
aacgcaagag tccttatgtc gccatatgct gtatagtgat ggccttcagc atcctcttca 60

tacagtagct ttggaaacta ccagcatgtg cttgctatca gactgtaaac aaggacttgc 120

ctccagaaaa taatgggaag aatggttaag ccatttgtct ctgaacatgg aatgagataa 180

acttcaagat gctgttctct atttttatgc tattggacca atgagctgaa tgaa 234

<210> 1783
<211> 516
<212> DNA
<213> Mus musculus

<400> 1783
agttcagata tgcagttgtc cctttgatgg ctgtagcctc cctggtctgc tgagtggttt 60

tctgttgctt tccttaagaa gcgtttttgt aagagctaag catatttttc ctttgtgctt 120

aatagtactt tatgcagtct agctttgtgc catgcagcgt ttgaatgctc agttcttaag 180

aactactaac cttgctgggg cacagtagtg ttcacccaga atcccagcac ttcccaggct 240

gaggaagggg gaatgatgtg aggccatcct gggctgtaga gccaggccct ggcttgggga 300

gtgggcattg ttaacttgtt gctgactttg tgttgacccc tgcatcagca actatttcct 360

taaatccagg atacaacttg ttaagtgtga cagctttcct ttacacacca tttttgtggg 420

tgtatatata tatttgactt ggggagaatt atttttttaca aaaatacaaa atagcttttt 480

aatttgttta aaatagacct gcctgttact ttttgt 516

<210> 1784
<211> 438
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 1784
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agatggcaca ggaggaaaga gcatctatgg tgagcgcttc ccagatcgag aacttcaagc 120

tgaagcacta cgggcctggc tgggtgagca tggccaatgc aggcaaagac accaatggct 180

cacagttctt cataaccaca gtcaagacct cctggctgga tggcaagcat gtggttttcg 240

gcaaagttct ngagggcatg gatgtggtac ggaaggtgga gagcaccaag acagacagcc 300

gggacaagcc actgaaggat gtcatcattg tcgactccgg caagatcgaa gtggagaaac 360

ccttcgccat tgccaaggag tagagagcct gggggacctc atcccntcta agcagctgtc 420

tgtgtgggtc ctgtcaat 438

<210> 1785
<211> 497
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (452)..(452)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

<400> 1785
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cttggctctc aggccctgtg cctngcctca ggtctttctc actgcagcct gctctggccc 120

aatgtccaac tctgacccct ggggaaggta gcccctcctg gcttctccta tagggcacct 180

ctctctcttg ctgccccctt cctcccagga aatggtgctc tcctgaccct gcctctnggc 240

ccgtccctgg agtgctgtcc tctcagccat gtggcactgt gggttctgga cctaggccag 300

ggggaggtct ctgccccctt cctctggctt gaggctccca tggggcctgc tncctcggct 360

tacttcccca tctctgagcc cagggaggnc ctgctgatga ccacctgccc ttcattcctg 420

attcaccacc atccccaagt gtaccntccc tnccctntct tctcagctgc agttgaaggc 480

tttaactttg cacactt 497

<210> 1786
<211> 68
<212> DNA
<213> Mus musculus

<400> 1786
gaaacggctg gttcagagcc caaattctta cttcatggat gtgaaatgtc caggttgcta 60

caagatta 68

<210> 1787
<211> 182
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<400> 1787
gagcagttcg tctcggcgac ctggagcggc cgcgcttgcg gagccgtcac catgcccctg 60

gctagagatc tgttacaccc ttccttggag gaggagaaga aaaaacataa gaangaaacg 120

gctggttcag agcccaaatt cttacttcat ggatgtgaaa tgtccaggtt gctacaagat 180

ta 182

<210> 1788
<211> 509
<212> DNA
<213> Mus musculus

<400> 1788
ggaacccaca ttgggctcag gtgatgaatg ggcctacctt gagggagggt gtaaaagcca 60

gccagaatgc tgtagaaaca ggaccccagg acaggggagt ttgtctgcta cttttcatag 120

aaatatatac caaaagcata gcagaagtag gcaccaacct cttcgtttc gtcttcctca 180

tcctctcgaa gaaccatgtc gaggacactg cctttgatct tgaagtcccg agaagtactc 240

agcttcatgt gctgcatcag gtttacctgg gacagcagaa ggtcctttca gtgtgtactt 300

ggaggaccct ttgcttttac cagatgacat tcaccttgac cacctctagc tgtgctgcct 360

gccacagagc ttgctagact ccttccagca gtaaatgaga gtggaaataa agaacatttt 420

taccttggac tttttagaca gttggataag aaatttttca tactgttcaa tggcaaagac 480

aaggttaggg attggcttgg tttcacgaa 509

<210> 1789
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<400> 1789
agaggccagg gcacaaggcc ttcttcgcag agccatttct gcgctgtctn ccgcagcagg 60

ctccctttgc ctttcctgtg tcccctgctt tggtggaaag tgagatataa gacctaaatc 120

ctgctaggcg tgaccgaggg cctggaagca gtttcttgct caccctcaat tccaaatgca 180

tcaggaatta ttcccaatcc tagtactcga acccgcctgc cccgcgtgac tgtcttcacg 240

cctactttcc ttggatgtct ccagctctat ccgctccgcg gcgcccgaag cacactgaca 300

ctttgtacca gcgcctctga ac 322

<210> 1790
<211> 151
<212> DNA
<213> Mus musculus

<400> 1790
agttcctgtg acacctaccc cttcatgctc tttcctcctt ccccctgggc tgaccaaaaa 60

tgtgctatct actgtgagcc cctttcccaa gaccctgggg gacggagaga ccatggagtg 120

aatgtaaaaa tgccacctca ctctcaggca a 151

<210> 1791
<211> 360
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(234)
<223> n is a, c, g, or t

<400> 1791
gggttcaact tgacagtgta cttcgctagg aagganaggc ccttgcctgc tataaccatg 60

cctagagtgc ctgtcctcca gtattgcacc tgtanccgga gctagggcca ccccagtgca 120

ggggcaaanc aaacctgatg tcagtcgttt tgtnttttnt accccaacct caccctntca 180

ccctactttc caccccccac cccnccnttt ttttttttt ttttttttn nnnngtgcca 240

cattggcaga ggggcctata ggtccttcac tgttccctcc tgtgtgttgg agttctttag 300

ttagcagttc aggctggttg gacaggtttg aatcaaattg tactttgttc cattgttaat 360

<210> 1792
<211> 566
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<400> 1792
ctttggtccc aaggccttag ctggggaaat gaagcaggct tcttctcttt ccatccctac 60

cttgcagggt cccaaaagat gcccagcatc tggaacccac ttgctattga gacccccctgt 120

tagctgagca catgccaact cattcttaga cnccanggng ggctcccgtg tctcccccac 180

ttcctcctga gttagatctc tttcttgttc cccctcatcc ttcctaaggg gaggggcagt 240

ggtctaggta tgaattccat gcagagaatt ttagctatgt tctcaagtcc agagagagcc 300

gcgggcctgg gcttcattta tattgagatg gtttgcatac ttttgtaatg aaggggtacc 360

tgcagtagga agttttgggg ttttttngtt tttngtttgg ttttggtttt gtttttctta 420

aatagtctct tatgggtagc tggattctct gccatttgta atttttcctc tgattccaat 480

tagcaaaact tccctttta tatgagttga ttcttattgt gtatgtaaac tgcccctggc 540

cacttggcta gatttcttat cttctt 566

<210> 1793
<211> 320

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<400> 1793
caagagcgtg ccaaggagac agagaagcca gcggagacgc cgggcgagcc cagcgaccga 60

aattgcgagg actgagcgtc gccgaggatg cggctggcgc ggtcggcggg gacccaggag 120

ctggcccttc cgcgtccatg ccgtttgctt tctaatcatt tcattactac tttgaatgcn 180

gacaattaag ggccagacaa ggaaggacac aggcccggaa gccaatccca ggtgtcagcg 240

agcttctgtc cccagtctgg gagacttgtg tccagcgtgg ccgaagcttc tggtctttct 300

cggacctccg cagtgtgcgg 320

<210> 1794
<211> 352
<212> DNA
<213> Mus musculus

<400> 1794
ggtatactta ccagagtgct agggagaact ttacaatttc atccagaaat ttaattttgt 60

taaaggcttg acttgagctt catatagtat tgtgtgagtt ccctctggat tcaatcattt 120

gttcttagtg gggaatggaa ggcttataag tctcgggaaa ctgatgaaat tctccatcac 180

aaagtccaaa gggtctttgg acaagggtcc aaacatgaag tgctttctgg aggagctttt 240

gtttagtcca acaggagtcc aaggatgcag attagagttt tgtgagtttg ctgcccttgc 300

tgggctaggc atttcattgt tgtaactgcc tctgagtaac tgatgatcct at 352

<210> 1795
<211> 343
<212> DNA
<213> Mus musculus

<400> 1795
ctgcatgtgt gctgtttgaa cgtactcatt tcttttattc aatcctcatg gaaaatgagt 60

aacacttcat cgctttattg tggcagtccc tcaattgcta gccatttaaa ttgtttcagg 120

atcgccctcc cattgactta agtaagggtt taaagtttta cagtaagtac tgatgaatcc 180

caaacgttag tttccataca gattacttag aaggtttgcg tagaacaaat agctggtctt 240

cacctagtaa taggagattg accttggaat tctgcagttt ttatcaggta gtgggacaat 300

ggggactcta gtggatacca gtgctgtcaa ccctgattct aat 343

<210> 1796
<211> 568
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (506)..(506)
<223> n is a, c, g, or t

<400> 1796
ggtcttttga tgttgtcctc gagaagggta ctctggatgc catgctggct ggggagccag 60

atccctggaa tgtatcttct gaaggtgtcc acactgtgga ccaggtgctg agtgaggtaa 120

gccggttgct agttcctgga ggccgattca tctcaatgac ttctgcaggt ccccacttta 180

ggatcagaca ctatgctcaa tcccgttatg actggtcact gaggcataca acctatagca 240

gtggttttca tttccacttt tacatcatgc ataagggcag agcgctcagt gtgtcccagc 300

tggccctggg ggcccaaaat cctctcatcc cccagccctc ctgcctcacc ctgcttcctc 360

caagantcag anncaacgag gacttcctca gtgccattca gctgtgagac tggaagtgtg 420

atctccaant cntccctgcc tttgtgcatt aggntcctag ggagttggaa ttcccagttt 480

ggggctgggg attggttgct gggtantcaa atccagaggt cttgtgcata aaacagtgcc 540

agtgggatca agcccatgtg aaccaata 568

<210> 1797
<211> 565
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<400> 1797
ctcctaatgt gcatcatcca atggagaaac atatgccaag gtgtgtggcg tggtcaaaag 60

ggcttaatag tggcattttc tacatctaat gtgggacaag caatttggct aattagtatg 120

tattctaaaa atacactttt agggagtggg gtctgatttg cgtgggtttt gtgaaataaa 180

gtgcagaccg taaaatatgt cacattacct cattttttag actctatttc ctaaatcaat 240

gtttcagctt tttaaacatt ttgtataaca aattccaatc ctgatacaag gaattattaa 300

tatctatttg ttatatttgg gattttatat gctttcagaa gnaaaagcat tacaaaaaga 360

ctgacatgga agtcagtcat tttaaggccc ctacatcaga gcagttttag aaatttttcc 420

ttatttagta ataggtacat tttgataaat tgatccttga gtaaatctta ttaaaaataa 480

ttttttcaca taccatgtgc attttgaaat cagagtgatc tttaattatg ttcagtgtta 540

acacagccag tttacatttt accta 565

<210> 1798
<211> 482
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)

<223> n is a, c, g, or t

<400> 1798
ttagcaaact gctggactgc gtcctgggcc aggangatag gcacggtcta taaccgggaa 60

aaactgctgg agatgctccg ggttactgac ccctataacg acctcgttaa ggaagagctg 120

aacatcatcc aaggggcgct ggagctccgc accaagacgg tggaggacgt gatgactccc 180

ctcagggact gcttcatgat aaccggcgag gctatcctgg acttcaacac catgtcggag 240

atcatggaga gtggctacac tcgaatcccg gtgttcgagg gagaacgttc caacatcgtg 300

gacctgctct ttgtcaaaga cttggccttc gtggatccgg atgactgtac tcccttgaaa 360

accatcacca agttttacaa tcacccttg cacttcgttt tcaacgacac caagnttgga 420

cgctatnctg gaagaattta agaaagggaa atcccacctg gccattgtgc agcgagtgaa 480

ca 482

<210> 1799
<211> 520
<212> DNA
<213> Mus musculus

<400> 1799
ctcaagcatc gaagcagcca cagtggggag aagccacacc actgtcccgt gtgtggcaag 60

gccttcggtc atggctcgtt gctggcccaa cacctgcgca cgcacggcgg ccctcgtccc 120

cacaagtgcc cagtgtgtgc caaaggcttt gggcagggct ctgcgctact taaacacctg 180

cgcacccaca caggcgagcg tccctaccca tgcccgcagt gcggcaaggc ctttgggcag 240

agctcagcgt tgctccagca tcagcgcacc cacactgctg agcgtcccta ccgctgtccc 300

cactgtggca aagcctttgg gcagagctcc aacttgcagc accacctccg aatccacact 360

ggtgagcgac cttatgcctg cccacactgc tccaaggcct ttgggcagag ttcagcactc 420

ctacaacacc tccacgtgca ttctggcgag cgcccctacc gttgtcagct ctgtggcaaa 480

gcctttggcc aagcctccag cctcaccaaa cataagcgtg 520

<210> 1800
<211> 57
<212> DNA
<213> Mus musculus

<400> 1800
atgtgcttgt gcttgatgac tgtgtgtgta aattctcatg ctaagaattg ctttaaa 57

<210> 1801

<211> 327
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<400> 1801
cattttctga tattgctgcc tcggaccact gaaagggatc ttgagaaatg atgtgcatct 60

ccaaactgcc agctgtcctc ctcatcctct ctgtggcact gaaccacttg agagctacac 120

ctgtcagaag tggtancaac cctcagatgg acaaacggaa gtgcaacacg gccacgtgtg 180

ccacacaacg cctggcaaac tttttggttc gttccagcaa caaccttggt ccagtcctcc 240

caccaaccaa cgtgggatcg aatacatatg gcaagaggaa tgcggcaggg gatccaaata 300

gggaatcctt ggatttctta ctcgttt 327

<210> 1802
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<400> 1802
tgggcaggtt aaaagtgagc actaagatgc tggaggctgg aggtagcaat tgcttagtgt 60

gcaaaaaacc ttgtgttcaa tccccactaa cacacaaata ttaattactt tgtagaatta 120

gaataagcag aaccatatta agaaacaacc tggggttcaa gagtcctggc ctatgatatg 180

agagcactgg accccagctg tggggtaaaa atgaatctgc agaagtaagc ccctaatggc 240

ttcttaaatc aaatcattgg acaattggtt atagtaaaat taaattctgc tgtggattat 300

tgagaggtcc tggcctgccg gggtctacat gaatatagaa ctnacatant cagaaaagta 360

ttgtaaatgg atggctgaat aagcagggaa acaatgtgct atgtgtaagg atacagaaga 420

gaaggaagac accatgtata ttttttgtaa aatgcatttt tctactttcc ctgtttctac 480

aga 483

<210> 1803
<211> 477
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)

<223> n is a, c, g, or t

<400> 1803
ggatgcttac attccagtta gcagaaagac tccttctaat catagtattt agcagtcaac 60

aaaaccccca ggagctgatg tttctatcat cttaaagtct ggctacttca ggctcctgtg 120

gaccacttag aagtgaccac ggtctacttt tacttttagg agtcaattct ttcaaaattc 180

tcatgtatca gataaggaaa tagaggtttg ttcanatcaa gtaacttnac tgtnatngtg 240

cagggttgaa accagagttg gaacacnagg cttctgatac atatatctct ataagaatnc 300

tttctttctt tcttttnagg gagttaaaaa aaaagancaa atgcatgtat ttaaaatcta 360

tgtttnccat ctaaaacacc catgttttca gaaatggcat tggaatgcta cattctgctt 420

gacttatgct cagagtacag tntcttttcc aggctagcaa tggctgtata tatttca 477

<210> 1804
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<400> 1804
ggcgatgcag atggattctt cactttcccc tgggagcgtt gcatctggtg ctttctgggc 60

caaccagaag ggttgatagt tgtctgtcac gttgtctctg cagcagcaga cactgaagag 120

cttcccagag tcttagactg agctggaatc tgctgggctg ccgctgggtt aaaggattat 180

gctccacttg tgtgggaggc ttctaagggg ccagaggtaa aacaggttta gagagacccc 240

ctgtgacggt tagcacagct aggggctcag ntttgagtaa accataaact ctgaggtcag 300

gaacagactg gggancaccc taaagaagat gagacagaat tnttcccact ntagactgag 360

gctcctgccn aacttcccct ccatttccat ttggacttag ccncnagacc ataggacctc 420

ctcctctggg aagggtgatg tggtcactgc actgtggact tgtattggtt ggtcagtcta 480

ttactacagt ttgactaggt ccttccta 508

<210> 1805
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<400> 1805
tacttttagc ttcacttttg tctccctcac ccccgacctc atttatttct gcttcattta 60

gtgtagttcc tcctaggtag atatttatca cctctgatta tagactcact atgtttttaa 120

gtatgttcta ttatcaacct gtgcatatgc tgcattgtca ccatnagaga gtaaatattt 180

tgatttactt cattcaaatc ttattccatc ccttnagagt gctatattat gttcatttac 240

tgctaattct gaaaggactg ggaatggact tctcatctga ctaacttgca gtctgactcc 300

atatcctgag ttttnccagt tctctttctt atggcgtgca gggttctaga caagatgagc 360

ttagttctgc ttgcttctca ctaaaaaccc actgagaacg tt 402

<210> 1806
<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<400> 1806
gtcctacttt gactgagcag gcgtggtgtg gcttggggca tagcctcaga tatacctaag 60

aagcagcaag gcccttctct cgctttaaca aatgcatgaa ctgtagtgct ttgaacaatc 120

acatccttaa cagggtttcc aagcctgggt tacttttttgt tgacgtaagg aagataactt 180

atgataggtc ttactttctt ctcctaaagt tatttacgat ttggctttaa atataaaagt 240

tcagtaagtg tataccgaag caaaaattag tcacttgagt aacttggccg ctaatattta 300

accatctacc tctgttttta attttctttc ctaaaggcag cttgagatgt cggtcctaac 360

cttgtctttn ttttttcct ctttggtaga cttatg 396

<210> 1807
<211> 569
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (532)..(532)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (537)..(537)
<223> n is a, c, g, or t

<400> 1807
atttcccctt tcttcatgaa tcacattaac tacctccacc gagcctggga agccggcctg 60

gggacatatc gggtgtatcc ctccaacttg aggggagccg tggggtgtca aggatgggca 120

ggccggctga gtggaagggg aggtgccatg gatgtccccg ttaagaaaat gcagctgctc 180

gcctcttcca gagcaccacc atctaaggtc agcctcctac aaaagtctct atttttgagg 240

gtaggtcagt ttaacccctg tgagcctcag tttccccacc tgtaagtaat tgcactagat 300

catgtcttga caggtcctga gattcctcgg ctngtgncct tgatgctttc gtatcttatc 360

tgtagagnat gatanagggt ccgnatttta cttaccncat ggataatgtg ctttggaact 420

ctttagagat tctttttatt ttttacactc ctagatcttt tttatagaga acacacaatt 480

gaaatgcata ttatgatgta attttcggtt tgcttgttct atacaaacac gnccttncct 540

tctagactca gcttttaacc agggacacg 569

<210> 1808
<211> 397
<212> DNA
<213> Mus musculus

<400> 1808
aggttaccaa catgctctgc tagcagacct tcagccaggt gggaggagag gctgtgctag 60

gacaggctaa agggttggtc ttggtctgga ttctcagaag cttagatggg accacagtgg 120

agagttgtga cctgttctgc ccttcgtttt aagggccagt ggaaacccag agactcttct 180

gtcagggaaa accagggact gtcttttaga gccatatagt tccttgggat tagctcttgg 240

ccaagaaggc tgagtatggc tcccaacttt taaatccatt tcatttttt taaatgaggg 300

aaatggatat aatttttcag atactaagta gctggagagg atgttcttgc tctccaaagc 360

ccaaagggac aaatagggac tttgcttagg ccaaggc 397

<210> 1809
<211> 494
<212> DNA
<213> Mus musculus

<220>
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<222> (308)..(308)
<223> n is a, c, g, or t

<220>
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<222> (310)..(310)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 1809
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ttgaaaacct cagtgggagg atctttctgt actcctgctc atcagtatct cttcctgtta 120

ttaacaaggc gacttcttgt ttaacctcag ctttttttaa atgctttttt gcctattagg 180

aaaaaaaaat catatttagt agaggaaaat tggccaaaat aaagatgtaa aaatggttta 240

aaaatgtaat tctgccacct aaatactata tgttttggta tagttcatat ataggttttt 300

ttttttnan tgtattcant tggcttttgt ttgtctttaa atgacactgg gataattctg 360

agcatagtgt ctgatattat ggtcagctac taacatcaga tgtttttcat gttattaaat 420

actcttctgt aacattttaa tagctgttga tatttccact gatagatata ctgtaatatg 480

cttggtggtt ggtt 494

<210> 1810
<211> 585
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<220>
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<222> (358)..(358)
<223> n is a, c, g, or t

<220>
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<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (515)..(515)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (532)..(532)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (552)..(552)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (556)..(556)
<223> n is a, c, g, or t

<400> 1810
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ctaggggagg ttactccgta gcgatggggg tggggagggn tagtgtcttg ctgactcccc 120

aggtctagtg cagtgcnaag atctggtggt tctgttttgg gttgtttttg ttttgagaca 180

gggcctcact gtgcggccct ggctggcctg gaacttgcta tatagaccag gctaacctgg 240

aactcagcga acatgtctgc ccagccttct ttggttttat tgacgtaaga tctccagagc 300

ctaggctggg tttcaggcca cagcaatcat cctttctcaa ccacctgaag gtgacagnca 360

tacnccntcg tgtgtggcag tttcgtgnct ttgtgatgan aaatctccca cacccgtgtg 420

cacagaagtg agatcagtga gatcagtgga gtacaatgtg ctggatgctg ctgtatcctc 480

cccctccatc tctcagggag acagacaacc ttctncctga accaagatgg tnccatgttt 540

tctaacccag ancctntctt tttagcagac ctcaataaat ctcct 585

<210> 1811
<211> 449
<212> DNA
<213> Mus musculus

<400> 1811
tgatctggcc cctgttagcc catgagccct ctttatgtac ccatcctccc tttctgaacc 60

ttccctcagg gtggggctgg attatggagg aaggaatgga tctttggtca gatgagacta 120

acagagggac tcactgtcag agttagcgtg gattgctgct gccggggcac tacctcctgg 180

cttctctccc tgctgacgtg gctcttgtcc tggagcagag cagtgcgttg ttgggagatg 240

gaaagtctat gcgtgggtac cctgtcttct tgcctgtggc ccccctcctt tctgaaagtt 300

agttctctcc gcattcttta ggaggattca ggggcggcct agtggaagac agtgggctcc 360

atgcctcttt cccctggggt ttgcttcagg ggctcctccc cgagggcttg ctcctggtgg 420

cagcagctga gatcaggaca tctgtggcc 449

<210> 1812
<211> 379
<212> DNA
<213> Mus musculus

<400> 1812
atttcttcag gctagcttct acaacactga cctccatgag gtatttactg tgcaataaca 60

gattcgtctt ctgagagctt gaagcaaccc atgatttgtc cctccactgc tcttcactgg 120

gttcacttcc aaggagacta atggctctat tgtaaaaatt gctcttaatt cttgaagagg 180

ctactgagaa gcagtggggt agatctcatg aggttaccta cagctacttc atgttcttac 240

actgtaagcc ttgttgcttt gccccaacaa ttgtaatttg attatagcta tgagccttat 300

ggtagacact atgtaccctc tgcggtgtaa ttgcattata gctatgtgcc ttgtggtaag 360

cactatgtac tctctgcat 379

<210> 1813
<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (475)..(475)
<223> n is a, c, g, or t

<400> 1813
gaaacagaca acctcctgtc aggatcatct cagttttaac cgtgtcatga gcatagactt 60

tctggagttg aaagtcctcc agatgtgcac agacctgtgt cttatgtgtg tttagtctgg 120

gaagtggttg tagatgttag gtaacattct tagagttgcc aggtagcccc tactcacctg 180

cttctcagcc tgctacacag acaagctttc ccatcagcag gtactgctaa gcaaagtcac 240

acagggaaga gctggtcttg agctagggag gaaccnaggg gatntnggnn gntnctaaga 300

gaagactnct cttgaaccct acanccnacn nnggaacctg ancaccatga antnccccca 360

aaccantggg ttttaaancn atcaccacna aactcccttt ttagcttttg cnnggggntg 420

ggggtgggga taaggttttt cattctagtt gtgggtagga agaaagttaa tgtanccctg 480

tggtttttca gaagtcggtg 500

<210> 1814
<211> 383
<212> DNA
<213> Mus musculus

<400> 1814
tgagcttcgc catgcctccc aaagacgaca agaagaagaa agatgccgga aagtcggcca 60

aaaaggataa agacccagta aataaatctg gtggcaaggc caagaagaag aagtggtcca 120

aaggcaaagt tcgggacaag ttgaacaatc ttgtcctgtt cgacaaagcg acatacgaca 180

agctctgtaa ggaggttccg aactataagc ttattactcc agccgtggtc tctgagagac 240

tgaagattcg cggttccttg gccagggcag cccttcagga gctccttagt aaaggactta 300

tcaagctggt ttcaaagcac agagcccaag taatttacac cagaaacaca aagggtgggg 360

acgctccagc tgctggcgaa gat 383

<210> 1815
<211> 190
<212> DNA
<213> Mus musculus

<400> 1815
gagtttctca gggaactgtc tttcgggcgt ggctccacag cacccgtagg gggtggttcc 60

tttcctacca tcactcccag ggagccctgg gatggcaagg atggtgagct ccctgtggag 120

gacgacattg acctcagtga cgtggagctg gatgacctgg agaaggatga gttgtgagcc 180

acggcccagc 190

<210> 1816
<211> 316
<212> DNA
<213> Mus musculus

<400> 1816
atgtctgcac aagcaatgca acgctgggcc actgctgccc gtctgcctcc ccggcacggc 60

acggctccgc acgcaaccta agcgtgccac cacggtctct tatttatggt gtgatcaccc 120

tggagggcgc ccccgccctg ctggggctat ttattgttta atttatttgc tgaggttcct 180

ccaagcaacc accttctcca ggcccctggg gtgttgaaag tcaaatgtgg ctgttgagtc 240

cacagacccc catcctaatt cctgcacctg gaggagttcc ccaacccccg tgtttgcggg 300

aggaagcatt tgtaca 316

<210> 1817
<211> 178
<212> DNA
<213> Mus musculus

<400> 1817
gggaagacag agcttactcc agcatatttc taagctgcat ctcagtgcct gggagagccc 60

tctcgaaaca tcactaacct gtctgtattg ccgaatctgg ccccatgttt tctgtattcc 120

tgtttgtggt aggagataac cagtcttgtt tgtttcttac atggcattcc tttgttgt 178

<210> 1818
<211> 455
<212> DNA
<213> Mus musculus

<400> 1818
ggtgccttca cttgctatct ggatgcaggt cttgcccgaa ctacaactgg caataaagtt 60

tttggggccc tgaagggagc tgtggatgga ggcttgtcta tccctcatag taccaaacga 120

ttccctggtt atgactctga aagcaaggag ttcaatgcag aggtacatcg gaagcacatc 180

atgggtcaga atgtggcaga ctacatgcgc tacctaatgg aggaagatga agatgcgtat 240

aagaaacagt tctctcagta catcaagaac aacgtaactc cagacatgat ggaggagatg 300

tataagaaag ctcatgctgc tatccgagag aatccagtct atgagaagaa gcccaagaga 360

gaagtgaaga agaagaggtg gaatcgtccc aaaatgtctc ttgcccagaa gaaagatcgg 420

gttgctcaaa agaaggcaag cttcctcaga gctca 455

<210> 1819
<211> 547
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<400> 1819
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ctagaagaat acagcttctg ggtccctggt gtcaggatga cagccacctc actgtggcag 120

tgatggtggc ccattcttaa ttgctgctaa ttataaatct ggtgatgaac tctacacccg 180

attgttgccc caaagcatca gttaggcctt gttacaaatg agtgaaaggc gagtgcccac 240

ttctctcaga aacacnggga gcagagttgc cttccaacct gtgcctgctc ccaaaatcta 300

gatggaagct ttgcatgttt ccttcctggg agaaagggat tgttgagaag gnttcctgtt 360

gtcccgtacc caccccaccc tcagcctcct gggcaggtcc tggcttttcc tcattctnct 420

tctacagtgc ctggtagaca agtgctacgt tgaagaacac aaacctcttg ttaagacttg 480

tcctgtagtt tggtattaca gatgtgctac tagtgcaata aggtgaaggc tgtctgccca 540

gagaaat 547

<210> 1820
<211> 229
<212> DNA
<213> Mus musculus

<400> 1820
aacagtgaag cagaggatac cccaggcctt caggaacgtc ccacctgcag gcctgtttcc 60

tgagaggcca tcagatgatc ggcttcagaa gtgttgctca gccttgcaac tgaattcatt 120

tctaatggtg aaaaataaaa ccagtccttc acaccacctg tggatcatca tcgggaaaag 180

taactttctg agacagagtc tcactgtgta gcccgtagtg gcctggagc 229

<210> 1821
<211> 495
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (190)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(248)
<223> n is a, c, g, or t

<400> 1821
acttcccaga agaagtcgcc attgctgagg aactcggccg caggcacgct gatggctcct 60

tctctgatga gatgagcacc attctggaca atcttgccac cagggacttc atcaactggc 120

tgattcaaac caagatcact gacaagaaat aggtactttc accattcaca accatcttca 180

caacatctcn nnnnantnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngaagnnata 240

nnnnnnnnca tgcagatgaa tacatttccc tctagcattg tgtaacccaa cgattgtata 300

tgaattaaag tatttccagg atgttgataa aaataacaac tttacagtat gaaaattctg 360

gattctcata ttttttttctc ctcattttaa agtccccccc ccgagattat ttttctgtga 420

tataaattgt aaattatcgc agtcacaaca cctggattat actaacagaa gacatgacca 480

cctggtaacc gtagt 495

<210> 1822
<211> 399
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<400> 1822
tgcccagcgt gtcctatagc atctgctcca gctcctctta ctggggctcc tctgtgaaga 60

ataccatggt gtgcgctggt ggagatggag tccgctctgg atgccagggt gattnctggg 120

ggacccctcc actgcatggt gaacggtcag tatgctgtcc acggagtgac cagctttgtg 180

tccagcatgg gctgtaatgt cgccaggaag cccaccgtct tcaccagagt ctctgcttac 240

atttcctgga tgaataatgt cattgcctcc aactgagcga cttccggagt ccagtggcct 300

ccccaagatg gctcttagct ttgcaatgag acctgaagta agcaagaagg agttagagct 360

gaggttatcg ctcagtggcc gagcacttgt ctaatatgt 399

<210> 1823
<211> 156
<212> DNA
<213> Mus musculus

<400> 1823
gtggatttgc cacgatcaag gacctccggg accacaagct tgacaaccgc atggagtctt 60

tcttcctggc tgaaactgtg aaatacctct atcttctgtt ccacccaaac aacttcatcc 120

acaacaatgg ctccaccttt gactctgtga tgactc 156

<210> 1824
<211> 346
<212> DNA
<213> Mus musculus

<400> 1824
aagtgcctca gtgtgcctat ggaaacttgg gtttttcca cacgattgat ggattgcgtc 60

ctagcaggac tttgtacgtt tcctttcttc cctttcctgt gtaagatgtg gctttgcttg 120

gtgccgcttc aggtctacca gctgccactt aaaaccctcc aacctctttt actctttgag 180

ttttttttct aagtagcgga ggaggggggag aggcagggag tggactgtaa gacatactcc 240

agttgattcg aatttgctag gtagctttag agaggcagga ttgtgtgcat gtgtgtatat 300

gtatatatcc atatctaaga ctaggactta gtctcacttc gggagc 346

<210> 1825

<211> 510
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<400> 1825
ctcttggttt agtctcctga gtgcttaaat tacaggtgtg taccactaaa ccaaccctaa 60

gaatccattt taaaatgtca gtcactttag atttcttagt ggggcaagga cctgccctta 120

catattgtgg cctgaaggga caaaatatga gaagttcaat gaaaagataa ttcccccttt 180

caggaaagat gttctcttat tttacttggt gctaaatcaa agaatcaagc ctttgttcaa 240

gcctttgcaa ttttggccta ttttatttca gagagcaaat ggttgttata tatttgggag 300

tgggaaggaa tctttgattt ttaaatttca ctgttgatct ttcaaataga ctagncctta 360

ggattacaat gaacaacttt ntcctttntc aacgtttnct ntactncctt atttggatgt 420

tgataaccac ttcctacaac ctgttgtgaa ttacctaaag ctaggactga tctgcaggtg 480

atntcagcac tgtggctgtt gccctttgcc 510

<210> 1826
<211> 475
<212> DNA
<213> Mus musculus

<400> 1826
gtaaactcac tgctacctta acaggaaaag ccaagggaac aggccaccat gctgtgtgtc 60

ctctacttat ccaatctgct gtgaaaatgc agccactggc acgtagggac gtgtgacttg 120

gatatggacc aaggtgtatg acttaggttc tgactgaagt tctaggagca gcactggcac 180

tgacaatggc attaagtcct aagttctccc gtgtcactca gggtgaggac caagttttag 240

gacctacccg tttgtttccc tctttgatcc aagcggactg cctgccttga tgagcaagac 300

agtaaacaga aaactaaagg gtgacaccac acccatggga atttgccact ctgcaagtag 360

acgggacatg ctggggacag ccccccagca gaaagactga ctaattccac tacacaacag 420

gtgtagtaat aggattttgc atggtgggtt caaaagcact gtaagggagt tccct 475

<210> 1827
<211> 549
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<400> 1827
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tggaagcttg gtttagagga cttgttgggc tcattttggt tttattgaaa tgccatctaa 120

atataagtta gctgtagata ggaggtgctt ctggtgaact gaaagtgtct gactcgtgag 180

gaacatggta ggttcctcac ttatcactgt agatgattct atatggacac aacagtaaga 240

agaatggggc ctcgtccctg tcgacttgaa tattatccct atgtattgca tgagaggggt 300

ctccctcatt ccatcagagt aatacacttg ctttaattnt taagcctaag tgatacaaac 360

atgccgaatt acctgtaaag aatgcattta aagctattnt aaatgggttt ttatttgtaa 420

gacattattt actaggaagc tggtgatatt aatgcttact gttntaatcc agtggccaag 480

gtattaagaa tttgcaagta ttttagattt tcgaaaatga atgagagaac tgtgtaaaca 540

ccccgctgt 549

<210> 1828
<211> 387
<212> DNA
<213> Mus musculus

<400> 1828
tttgggaaac gaatgcacta actttaaaga aattgaaaat ccaggtggat agtcttaaca 60

gaggcatgct ttatgttatg ttagagcttt ggacccatct ttaattgaga aacgtttatc 120

tgtataaaac atatttttgg ataaatatat atatatatat ttgtatctac agaaaggctc 180

tgaaaagcat ttgagtaaaa tcttggtccc cttttctatg cttgtcctcg caccctgcgc 240

ttggtctgtc cactgttgtt cagcacatac atgctccatc gtttctcact ctgtcaccag 300

ctaaaaaatg tccgtgccat gttgactata gaagccacaa gcctcaggcc tgtggttaag 360

ttgccatgct gctagaaagt catgctt 387

<210> 1829
<211> 457
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(42)
<223> n is a, c, g, or t

<400> 1829
atgacctcca ttctctcagg tggctgcaga gcagagcnnn nnagagcaga gatctccctc 60

tgaacacctg ccttccctgg caagagtata ctatccatga agcagggcag tcccacagaa 120

gactgtggct gggatggctt gccaaagaaa tttctagcct ttccctttcc cctaaactgc 180

atcagggaag aatccttatc tctagcttcg ttttcacatg aggttttctg aggaagggga 240

ctgggatagg aagtctgtca tgtagtaaag tagacgagaa atcttattaa tccagttgta 300

tttcagagtt tgtccctatg atttttaaag tcaagtttaa tttcacaaga ctttttttct 360

gaaattactt ttggggtaat atttaaaatg agagacattt tgtaaccctg taaaatacat 420

agggaatata acattccaat gtacacaacg aaggcaa 457

<210> 1830
<211> 520
<212> DNA
<213> Mus musculus

<400> 1830
aaatacgttg gagtggtgcc tgccagtgat tgatgccaaa aataagagtg gcagcctgga 60

gttcagcatt cctgggcagc ctaatgactt cttccctgtt caagtttctt tcatctccaa 120

aaagaattac tgcaacatac aggttaccaa agtgacccag gtggatggaa acagccccgt 180

caggttttcc acggagacca ctttcttagt ggacaaatac gaaatcctgt aataccaaga 240

agggaaagct gaaaaggaag gatttcagat taataaagaa gaagccaaaa gtggctgaag 300

agttttccaa atttacaagc cattggaggt cccccaaccc ccttttctga tacagtgcac 360

gttctctgcg cgcaaggacc ctcaactcac acccagtgtt gcggtgtcac agagacattt 420

ttgacaaatg acactgacat aaagggaaag gctgctgatt tctttggcca gcaggaagcc 480

agctctccag ggaatggaat gccccagtaa atagctcttc 520

<210> 1831
<211> 441
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<400> 1831
tgggcttagg cgtgacctca cacagacaca cgtgttttca ctgtggttag tcagaaagct 60

gaatgtattg agcttgtgtt gcttcctgtg tgctctctga gccaccacac actacggacc 120

ttaagtttct ctaatcatgg ctcacagtcc ctgggcaaac caaacgtttt cagtggcgat 180

ccatcctgta acccttctct tgacagaatt aaattggctc cctttgcaac ttaaaataca 240

gtcaaggaaa gccaaattgc tgaactctgc tggctcccag ggatgtaagg acatcatctc 300

gcaggagcaa tttgttgcat tgcctgagtt ttgggaagga ggcctgcggn cactgttgac 360

ttagtaaggt gtcggtccat agtgtacaga tttcaaaaca aaagcccaca gagccctgga 420

gatcccttca tagccactgc t 441

<210> 1832
<211> 487
<212> DNA
<213> Mus musculus

<400> 1832
agagtcccct ttctggatca tcggttttct tcctattacc tgtctctgcc gccagatatg 60

agaattccaa aaaatggcat agaaaaacat ctcctgagag agacttttga ggactgcaac 120

ctgctaccca aagagattct ctggcgaccc aaagaagcct tcagtgatgg gatcacctca 180

gtcaagaact cctggttcaa gattttgcag gactatgttg aacatcaggt tgatgatgag 240

atgatgtctg cagcctccca gaagtttccc ttcaatactc ccaaaactaa ggaaggctac 300

ttctaccgtc agatctttga acgccattac ccaggccggg ctgattggct gactcattat 360

tggatgccta agtggatcaa tgctactgac ccttctgccc gcactctgac ccattataag 420

tcagctgcca aagcttaggc actctctaca ctcttgtgta aaagtaaatg tttcttccgg 480

ctctgaa 487

<210> 1833
<211> 335
<212> DNA
<213> Mus musculus

<400> 1833
gaggttggtc tgtgtactag tcatttttgg atggactgtg tcccccgttg tacaggtgcc 60

aggagccaag tgacaaagtc aaagttggaa atgaaagggc atttgacttg gtgagggaat 120

aattcttgtc ttttggcaga agttgcttta gctggagggt cccaaaccaa gagtctagaa 180

gaacgattta gttgcagagc ttgtaccatg actcccaaac tatcccatcc cccagggacc 240

tctggattct gtgttgactg agttgaaaaa ccccatagtc atcttgctat aaatctttga 300

aatctcttct tcttccttgg ctgttgcttt ttgac 335

<210> 1834
<211> 477
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<400> 1834
gaatgctccc agatcccaag aatactcaca tcttcatcag ctggatgatt gcacagtctg 60

tcactgctgt cgctggcctg acttcctatc cttttngaca cggttcgccn ngtcgtatga 120

tgatgcagtc tggacgcaaa ggaactgata tcnatgtaca caggcacngc nttganctgn 180

ctggcggaag atcgcgcgcg atgaagggag caaggctttt ttncaagggc gcatggtcca 240

acgttctcag aggcatgggt ggcgcctttg tgcttgtctt gtatgatgag atcaagaaat 300

acacataatt atgtcctagg tgttctcccc gagaacaggc atgttgtata atataccata 360

tcttgaacat tctggacaga ttctctgggc ttgtctgttt tatcagtggc aactatttac 420

cagttgaaaa gtgggaagca ataatattca tctgaccagt tttctcttaa agccatt 477

<210> 1835
<211> 280
<212> DNA
<213> Mus musculus

<400> 1835
cacctacttc cctgaggtag aacagctctt ctcctccaat ggctgcaaga cagtggcctc 60

ccgactcaca tttttcctct gagaagccca ggtggcatcg ctgcctcctc tgcctggtca 120

gagcaaacac gaaaggcctg ggtggctcct ggaagaaatc tttcctaagc tggttggcaa 180

gtgggaccca gagcacaatg ttaagatgaa gaaaggtgtt ggccaggcca aggaagaaag 240

gtctagaagc atctttgcta agaaactcct gggtaccccg 280

<210> 1836
<211> 544
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

<400> 1836
cagagaacgt tcttcagttt ccctgctgtg gttgctccat tcaaatgttc tgtccttcca 60

ctgagccaga accaagagtt tatgccattt gtcaaggaat tatccgaagc tctgaccagg 120

aacggcgtgt ctcataaagt cgatgactcc tctgggtcta ttggaaggcg ctatgcaaga 180

actgatgaga ttggcgtggc tttcggcatc actattgact ttgatacagt gaacaagacg 240

ccccacactg caactctgag ggaccgagac tccatgagac agataagggc agaggtctct 300

gagctngccc antngtggtc cgcgatctgg ccaacggcaa cattacctgg gctgatgtgg 360

aggccaggta cccactcttt gaagggcaag agactggcaa gaaggagaca gtagaggaat 420

gagaacagct ggcagcttat gaccatcgtg ctaataaata actcatcatn tccactacac 480

agagcattgt gactgcatcc agggacggtt tttcctcagt ggctgcttgg ttttactccc 540

acaa 544

<210> 1837
<211> 179
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<400> 1837
aagtcaaagg gctcccttag ccagacgtag agccttcccg agcgctgctc ttggncgggt 60

gctcctggct gtcccagtgg cctacggtgg ctccagctgc agttcatgct tgctctgcag 120

gcaccgtgtg cacctccagc cttcatggga ctacttacca ggctgtgtcg ctaaggagg 179

<210> 1838
<211> 390
<212> DNA
<213> Mus musculus

<400> 1838
ctccagcctt catgggacta cttaccaggc tgtgtcgcta aggagggatg ggctcctcaa 60

atttttgag caatttagta ccccagcagt ggatttacag gaagcagaac ccaggccaca 120

agtctgtgtc gtcagtttct cccgttgtaa ttactgaaat ggtgtgaagt aaccaagggt 180

cgctttggag acccaggctt ggccgcaacc cacaaccaaa tctaggaagg gaccttaaag 240

ccataaggct aggtcccccc gtgcagacct tcctacactg tgctgtgtac atcctgaagc 300

atctccaatc ccttttagtt aaacaacctg aggggctacc ctgtgtcggg ttctgggtca 360

ctgaaggtga ctacttttg cttgaatgaa 390

<210> 1839
<211> 522
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<400> 1839
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ggtgtgaccc agcacaagat gtataatggt gtttcctgag ctcttggtgt ttagcattgt 120

cttggttngt gttaagccgg tgttgccctg ggcctcccca tatcctgggc ctccctgctt 180

cctggagctg gattacaggg cgactttatc acgggagtct ccttggattt tngccaccta 240

gccacagaca cccagctcag ccctccatag ccttcctacc acagagagnt gggntagcan 300

gtcnctgatc tctaggatac aggagncatc tggtccccgc tttgtgctgt gtgctccatc 360

gttcctggtg tggttgtctg atcggctgcc tggtggtgtc atctggttcg ttcccaccaa 420

gccttcctgt tcctgtaccc attcctgcag gaagggtgag tgacggaagc ctggcttcag 480

cagagtgatg gctttcctgg aatgtgtcag gtcaagctgc ct 522

<210> 1840
<211> 219
<212> DNA
<213> Mus musculus

<400> 1840
aaggaatact tgatcagcag aggcctgaca gacaagacct gccaacaggg agagccccag 60

tggaccattt ctctgctgga agcttcaaca gaagagttaa cacttcctgg ccaacactgc 120

tgttcctgac aatgccttga gacttcagga aaatcttgtt gtgaggaaaa ctgcctagaa 180

ctaggccaac tggttaaact gtggactctt acattgtgc 219

<210> 1841
<211> 471
<212> DNA
<213> Mus musculus

<400> 1841
ggatctcctc acactggtaa tgtctttcct gttagagagg tttatgctac cacttcgcat 60

ttcatctgtg aggcatttca tcttttagat atgtcttcat gtccagctac ttgtttcacc 120

atggcagacc tccctgagtc ttcttcctgc cctgggtagg aagtgtggct ctgggtctgt 180

ggtcactctc caccttgtcc tagtgttgcc atggtagcat ggctttgtag tttgcattta 240

acctggggat ctatgcatcc tgtcaagagg gtgggtcccc gtccccgtgt gtggaaaaga 300

gacagtgtgg cttgctgcca ggctcaggcc aggtctggac agctctcact ctcctcaagc 360

caggactacc gaccagccgg ctatgggcac attactctgt ggctgctgga ttcttttcca 420

gcatggcctg tggcctgtgt gaggcagaac tgggaccctt gattcccaga t 471

<210> 1842
<211> 171
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<400> 1842
agagcacaag gcctcccact gttgacagct cagcccatcc ctggcaggtt tggacactgt 60

cccaggctcc agctgcaaga tgggctcctg tcacctaatg gacagatcan ctgccacctg 120

atggacatgt catgctgtcc actgctttct atctggtgga cagactgcaa g 171

<210> 1843
<211> 153
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<400> 1843
tgtgtggtct ggctcgttgc ttttcttttg gaatggccct gtggtcacag agctgaagga 60

gctctccact cancccccgg ggcctccaga ggcctccctt tgctctcagg ctcccacggg 120

ccatggaaac ttgaaagcag agccagagga cat 153

<210> 1844
<211> 121
<212> DNA
<213> Mus musculus

<400> 1844
aaacttcgtg gcagcccgtg agcagaccca gacatagagc caggactggc ttccatcctc 60

cttgctgggg cttcttggct ttcagagaca cctaccagct tcctcaccca agtccagcag 120

g 121

<210> 1845
<211> 407
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)

<223> n is a, c, g, or t

<400> 1845
aatgaatcct ctatgcccga gtagcttaca gggcctttcc tctggtgtca cagaactgag 60

gaatgttagc caggaaggat gggcacagac tacaatagca acaagactca gggtgcccaa 120

aaaangcgtc ctccccacag agggctccat cgtgggaaag ggcaaacctt ggactgattg 180

tgtggacatc ctcagggacc tggttagccc ntagcatggg agtgtgtggg ttttaaatga 240

aggtgggctt ctgtgacctg agacccacag ctgtgaagtg cctgcacaaa gtgtcaccac 300

ctgggccatg accctgctta gcccactcct cacntcccac tccttccctg acaagcaccc 360

actttctntc tcaatggatn tccctgttct ggactcttcc tataaat 407

<210> 1846
<211> 142
<212> DNA
<213> Mus musculus

<400> 1846
accaaggggg tcttcatttc tgtgggaaag ggactccaaa aggcattggt ggctatggcc 60

tccaacctag gtgctccaag gtgggccagc tgctcgtagg ggcacctggg aaggtcgaag 120

gactccacct catcaacctt tc 142

<210> 1847
<211> 82
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<400> 1847
aggccatcac cattgaggct gagccaagag ccgatggcag ccgccgnacg acacgctatg 60

acatcgacat gaccaagtgt at 82

<210> 1848
<211> 383
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (70)..(70)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

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<222> (286)..(286)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<400> 1848
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cccctgcccn ctctggctcc tcctccaaga cctgcccttg tgctgcctgc tcccagaagn 120

ctgtcaggtc actgtgccct aatgggttgt ctcaaaaagg agccatgtgc tgnccccgtg 180

agggcacctg gtcatggtaa agggagttct ggctacctag tctgagactt cntnttccag 240

gcgtcccttt tgccagcgcc ctggttggga agagcgactc angccngcta gtgaagaagg 300

ctggaggctg acgcttngtg aagcagganc cgtggagtgt gctttagggg cttggagtag 360

ggtatcgaga gtgccctgtt act 383

<210> 1849
<211> 427
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<400> 1849
gaaacagaag accagacgca cgtgaggaag aaggaggccc cgtctcctgc agatgacaca 60

gccagggctg ccgcctgcct ggggacaaag gcacatgctc actcacttca ggcaggccct 120

gggccctgtc acccttgtgt tggtgtcctg cctgtctgtc ctctcctgtg tagccctgtg 180

gtgcaatgcg acgaatggac cctcctgtca ccctgctgaa cacaatttat tttctgagtt 240

gaagataatt tattattatt atttttgtca gagaagtatt taagctgagc tggtggcgtg 300

agaacataat ctaatcttcc acattcgttt gcaagaagag tccaggaaac atggcgttgg 360

tctgctgtgc cttctggact ttccccaaac cngccccnt gcactcgagg cccgtgccag 420

aagctgc 427

<210> 1850
<211> 183
<212> DNA
<213> Mus musculus

<400> 1850
tcctctatgg ccatactgtc actgtggtgg ggggactggg agtagctgtg gtcttcactg 60

ccctcctact cagagtctat gcccggggcc ggaagcagcg gggaaagaag gctgtgccca 120

ctgagccccc agtacagaag gtgtgagcag tgcagtaaag accctcatct tctgaggcac 180

tgg 183

<210> 1851
<211> 393
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (30)..(31)
<223> n is a, c, g, or t

<400> 1851
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catttactgt gctcatgctg aaaggaaagt aacagcttta gaaactgttg aaaataaaat 120

aggaaaacag gctgggttga attcctttgc tgggaattgt tttacagctc ttcagtggtc 180

tttctagcca gttattcctg tgaagaattg gactttgagg agctaaagct ttgaatgggg 240

gctggtgcag gggcctggga gtggagagtc tgctttcaga tactttaacc tcggagctgt 300

gacctttgat tgtagcaaac atcgatttca aaagcttctt ttgctttcag tcacaagcct 360

gcgtacctta ctgcgagact gccaatgctt caa 393

<210> 1852
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (108)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(140)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(167)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<400> 1852
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ccaaaaaaga aaatgcttgt aatatttata gtacaacgtg aaaccaanna aaaaaaaagt 120

tattnncnnn antannnnnn tantnnnnnn naanannnnn nnnnnnnttt cctttaataa 180

ttccttttct ataccgtcca ggancccagg ggtngagcac cacccagctc aatcattaat 240

caagaaaatg tccctctgct tacattctct cctcccagat taccctggcc tgtgtcacgc 300

tgacaaaagt ctgaccagct cacagntgtg cataagntcc cgcntaacat tagtctcttc 360

tctgtgctga gtctgttagc tgctttaatg tgtgcctcac gg 402

<210> 1853
<211> 472
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
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<222> (369)..(369)

<223> n is a, c, g, or t

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<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<400> 1853
aaagccaaga agcacaaccg gcccagcaat ggcaatggca cnggccncaa aatgacctcc 60

tcaggccacg tcaggaactc aaagagccaa agtgatggag atgagaagaa gccggnccca 120

gtngatggag cacgncgctg ctcaatgacg cctnnnnggt cctaaaggaa atccagagca 180

cgctggaggg ggaccggagg agctatggca attggcatcc tcaccgcgtg gctgtgggtt 240

gcaggctcag caatggagaa gcagaatgac tgggacagca cccaggctgt gggatgatca 300

cacactactg agggccttgc cagcccaagc cggnccaggg gnctgccagt gccctnggcc 360

accttcctng ttgcntgctc ctgncctcag gagaggggag ctcccaccgg ggccnncccc 420

tcctgggccc ntgtctgtct ntctntcctg acccttttac caatgttgca ca 472

<210> 1854
<211> 438
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
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<222> (296)..(296)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (319)..(319)
<223> n is a, c, g, or t

<220>
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<222> (345)..(345)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<400> 1854
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gcaaccaccg ccttcccagc gcaactcggt gccgcctcct ccaccactgc atggcccgcc   120

agtgcgcccc cacgggccct cacccacgcg ggatgcgctg gacacgtgac agccccccccc 180

cccccccccg cgcgggccgc acagacgctg gactaactgc gcgcggtttg catgggatgg 240

gatggggcag gctcccctta gggancnggt nttntganat gcanacctnt ncagtncctn 300

cggtnccngg gnccatntnt gcttcttcat ctcaggaatc tctcngacca cggactctca 360

ncctccactc cactagctcn cctcgatnca aanggcanct ggtgaggcct gntcttgagt 420

ggagatggct caacccct 438

<210> 1855
<211> 431
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<400> 1855
aagagtggca gagcctacct catggggtgt gtcttagcac tctgagtgta tcctagtgat 60

aaacaggatg gggctctgtt caggcctggt ttctgagcag ctattgctca ggtaggtctc 120

ttggcttttc catcggatga ggtggggccc agggcaaggg tattgcaggg gagttcagag 180

gtcttgctgc cagcttctat ctccacatca gcctcctgac actgcatttg gaaacgtgac 240

aacagtaatc caggtcagaa atgaagggat gctanctgag accacacttc ccactgtcca 300

ctgattacag aaagcgttag ttagtcacgg attgtttgat ttctggctcc tccctgccag 360

ggaaaggggg ctggccaaat catcaccact acttctggcc tggcaccagg gtgagctctt 420

gtttccttaa a 431

<210> 1856
<211> 412
<212> DNA
<213> Mus musculus

<400> 1856
gcacactgtt tgatttggtc tctccccaaa gctaggcttt cacattagaa agtgtttggt 60

tttttgccat tgaaacataa tctcatggta gagtccagct tctgtaactc cttatggaac 120

tcaggcgatc ctcctgcctt agcccaccca gggttggcat tgtgagcata tactgtcttt 180

cctgtaagac tgccctttag gactaagtcc tttgtgtata atgttagtca cacgttcggt 240

cacttcctct cttgctattg tgaataagat agccgtatat atggtatgca gatatgttac 300

cctgttttca agtcctttac ccaggagggg aattgttggg cagggagtgt ggcgtcatct 360

ggaaaaggag cctgacagga tccgagggta aagctgctgt tccctaacta aa 412

<210> 1857
<211> 269
<212> DNA
<213> Mus musculus

<400> 1857
aggacccagc cgttcttcaa atcctccatc aactgagtcc cgggaaaatc tcggtcattg 60

ttacagtgag ggacagtggg tggcatgcaa cgctccctct ccgtgttgca gagtcaccct 120

gcctccgtgc ctacctagct tctcctctgc tgcccttgga gtgtggagca gggctgggac 180

cctggcacta agtccgttga ggatcacgcc agtgtagggt ctgggtggga gcagacaggc 240

caccggcctc aatgtctcca cagggaaat 269

<210> 1858
<211> 477
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<400> 1858
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gagggagtcc aggagctttg caaggccctg agccagccag atacagtgct gcgtgagctt 120

tggntnngga gactgtgatg tgacaaatag tggttgcagc agccttgcca atgtcctgct 180

ggccaaccgc agcctgaggg aactggacct cagtaacaac tgcatggggg gcccaggtgt 240

cctgcaactg ctggagagcc tcaaacagcc cagctgcacc cttcagcagc tcgtcctgta 300

tgacatttac tggacaaatg aggtggaaga acagncttnc ggnggccctg ggaggaagga 360

aanggccntt cccntgangg antcatttcc tgatgttcct ctggacacat caatccagcc 420

ccaggggcag ccagcaggat ctctggctct gggtgtcctt gtgttgaccg gcaataa 477

<210> 1859
<211> 477
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<400> 1859

ggctcctatt gctatttact gattctggaa ccacagacct gggctaatgc agagatccac 60

tgccagaagc atttctcagg acacctggca tttctgctca cttatggtga aattatcttt 120

gtgtcctctc tggtgaaaaa cagtttgacc acattcccat acatctggat tggactccat 180

gatctgtcac ttgggagttt gcccaatgaa aatggatgga agtggagcag ctctgaccct 240

ctgaccttct ataactggga gataccaccc tccatgtctg cacaccacgg ctactgtgca 300

gctttgtctc aggcctcagg ttatcagaag tggagagatt attattgtga cacaatattt 360

ccctatgtnt gcaaattcaa gggttaggcc agttntgatt tcaactgcct gaaagtatcc 420

tgaagatcac atagacaaag gagcaagcat gatggctcac caagaaagtc cttctca 477

<210> 1860
<211> 277
<212> DNA
<213> Mus musculus

<400> 1860
atgcccagta ggtaagtctt ctctcgctcg gcatttctcc agaggaagct caggttttcc 60

ttctggtaca gcattctgcc tctttagccc caggcttgcc caaaccccta gccaggaagg 120

gcaaggccag gaacgaggat cccccagggc cccacagtgc ctgagaagga ccatcctggc 180

attagcctac ctggacttgg gtcacctgca gcccccaacc tgtctcttgc tgcccgccac 240

tgtcatgtgc ctttgccttt cctgaactct gccaggg 277

<210> 1861
<211> 398
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<400> 1861
tcacactgta ccctgaggtc caaatgactg tctgtcctgt aacctgatgt ctcaacccag 60

tgagaangag tcagttcctt agtgttcacc aacacgggag gcttcaccgg aacaggcttt 120

tgctttgggc tctgctgttt gtttgcagaa cacccaagag cgagcgaaca cacccttccc 180

agcagtacct tagggttttg ccattgtaaa tgggtctaat gtgatatgac aagaccagag 240

aaattggatg taaatttaca tttttgaata tgcttgttgt ttcacatgat acatttaggg 300

tatgcagctc cttttgtagt ttttatttt actatttaag tttggaaatg atgccaaatt 360

tttgtatttc tttaatcaat gtgttctcct tggtgata 398

<210> 1862
<211> 357
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<400> 1862
ctttccactg tctgagcttt cctgacccct gtattgtatc cttgctccca gggctccctt 60

catggcttgt gaactgttaa cttggtatct caggttaaac tgtcagctgg tctagcctga 120

ncgaggcctg agaccatcag tcactaagag cagtggctaa cctcatcgaa gttggaagga 180

atgtttttaa aattacctct tcgagcctga atacaaagaa taaaagaata aaagaattct 240

tttaatttca gggaagatca gaaaagaaag cctaaagccc tttagcgttg tgaacctcag 300

tagtagctga aagagaagct gccacaggtt gtacttgctc tgtgagatgt tgtagac 357

<210> 1863
<211> 253
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<400> 1863
tgagctggct agaggaaaat gtccatgagg ttctncaagc ggtggatgct ggagaccctg 60

ctgtggaggn tctgtgagaa caggcggaaa gtgttgtacc agcgtgcgcc cagaaacatc 120

caccgccacg tgatactgtc tgagatcaag gaggctgttg ctgccctacc ctcggatgtg 180

accacacagt ctgtgatggg gttcgaccct ctgcctcccc tggacaccat ctactcttac 240

gtcagaccag aga 253

<210> 1864
<211> 349
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 1864
tggctgtcca gcacctgctc tagtgcctct tccctgcaag gcagggaccc cgtgtgaatc 60

agagccggtg atgcgtgtgg gccttgtggc cgcnactcag cggggctcag ggttaaggtc 120

cctcttgagt ttggatgtga atatcctaaa gctatcaagt acctgtgaaa ctctgcttca 180

ctgctcttct ccttctgaga ggtaaacaaa tcatattttt aagggtattt tgttttagtg 240

ttaaatagca tcccacgagc tgcattttta tttattacat acacaaaaag taaatgtgtt 300

tctataaaat acaaagtcta gagttggaaa ctctgggaaa acttgctga 349

<210> 1865
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<400> 1865
atatgctacg ctgcatcacg tcatagacaa gtctaaagaa gaccggatgg aaagcttctt 60

tctcagcgag acttgcaaat acttgtatct gctatttgat gaagagaatc cagtacacaa 120

atctggaacc agatacatgt ttacaactga gggccatatc atatctgtgg acaaacgtct 180

tcgggaattg ccttggaagg aattcttctc tgaagatggg gagcgggacc aagaggaaaa 240

gtttgtacac agacctaagt ctcaggagct cagagtcatt aactccagtt ctaattgtaa 300

tcgtgttcct gatgagagga gatactcctt ncccttaaag agcntntnnn tgcngccaga 360

tcgaccagat ggttggcttg atttgacctg ctcacctcaa tgtggccaga acttaaacca 420

aacccaagtg taccaaaatn tcctctgagg tggaagcggt ggagcctgcc catctgtgat 480

gctgtcgaag tttctg 496

<210> 1866
<211> 388
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<400> 1866
gtggttcatt gtcaccatgt ccctgctgtg cccactgctg ctggctttag ccctggtggc 60

tgtccctggt gcccatggca attgcccggt gcccgcagac ctgaagaagt cagatgggac 120

gcgtacgtgc gccagactct atgagaagag tgatccatac tatgacaact gctgccaggg 180

gccngtgttg tctgtggagc caggtactga cctgccctat ctgccctcgg gctggtctaa 240

cactgcatcg tctctggtag tgggccagcg ctgtgagatc actgtgtggt ctctccccgg 300

taagcatggc aagacccgca agttcaccgc gggtncttac cctcgcctgg aagagtaccg 360

caaaggcatc tttggagact ggtccgac 388

<210> 1867

<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<400> 1867
gacacaagat gaaaccctgc caaaaaatgg aaggaaacct agaaaaggag gatgagccaa 60

agcctgagga agagccaaag ccggaggaaa agcccgagga ggggcaggaa cccgaggagg 120

aggagaaatc cgaagaaact tttcgggaga ggctgatccg gtctctgcag gattttcagg 180

aggatataca caacaggcac ctgagcagtg atgatctgtt tagagatgtg gaggagctag 240

atgagatcag gaaagtgaga aacaaactnt atagtgacgc gttggaaggc taaccgaagc 300

catccttacc cctatttaat gtagcttggc ttgctttccc ttttatctga tgttaccatt 360

gcgatctagc tttcttttca ttagcatttt cctgataaga cctttgccca tcttcctact 420

ttgaatctgt tgctgttagt ggctttagct gtatctcttg ttgtctgtat c 471

<210> 1868
<211> 301
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<400> 1868
tgtgtgctgt cctgacacca ggtgaggcag ggaccagcga gacgtctggg gcagtgacct 60

cagctagcca gatgaacttc atatccactc tgatgtcctt gctcccccaa ttctgccaat 120

ccccccgcc tgcagtcagt catgtccttt gtgcccgtcc cggcacaggc tcaggacatg 180

gaggtgccgg atgcagggag gaggtgccga cggaaggaag gaaagaggcg ggaaggaagg 240

aaacggtgct ggagccaggc cantccaggg atggtggaca gatgtgacca agaccttcgc 300

a 301

<210> 1869
<211> 406
<212> DNA
<213> Mus musculus

<400> 1869
acatctcggg ctttgtcagc ggcctcttcc tttcctttgc cttcctgcct tacatcagct 60

ttggcaagtt cgacctgtac cgcaagcgct gccagatcat catcttccag gtcgtcttcc 120

tgggcctgct ggccggcctg gtggtcctct tctacttcta cccggtgcgc tgtgaatggt 180

gcgagttcct cacctgcatc cctttcacgg acaagttctg tgaaaagtac gagctggacg 240

ctcagctcca ctgaaccagc cgtggactcc ccaggccagg cccggcctcc cagggctgaa 300

cagatgggtg cttcctggac actgacctct tgtgccttgc tcgctccggt tgtacgctta 360

cactgctggg catttagtac atgagttccc atgataacct cctaac 406

<210> 1870
<211> 356
<212> DNA
<213> Mus musculus

<400> 1870
gatcctcatg gcagatgctg acggagccac aaagtttcca gatgttgaga aattagaaaa 60

ggggctgagt gatctacagc catggcctga gcaaatggct attgcatgtg ggtctcgagc 120

tcatctggag aaagaatcga ttgctcagcg ctcttacttc cgtacctttc ttatgtacgg 180

attccatttc ctggtgtggt tcctctgtgt caaaggaatc agggacacac agtgcgggtt 240

caaattactg acccgagaag cagcagcccg gaccttctcg tctctgcaca ttgaacgatg 300

ggcatttgat gtagagctgc tgtacatagc acagtgtctt caaatcccaa tagcag 356

<210> 1871
<211> 68
<212> DNA
<213> Mus musculus

<400> 1871
aggaccctcg tgtaggtcct gcgcagaccg agttactgtg ttccctcata aaggatgagt 60

ccctggag 68

<210> 1872
<211> 323
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<400> 1872
tttttaggtc tctagctacc cacaagggaa gtgtatagca taaaaagtct aagtagcata 60

tcctgtcctg aaagtgtgtg tagttttact tgttcaacag aatgtccgac agcatccttt 120

aaaacttaaa gagaaagaca actttgcaga aagagacaca gctggctctc tgcagtggtg 180

tcctctctgt tngcntgtnt cngagagaca ctgacagttt cgtgtaactc ccaggaatac 240

tgtacctgtg tttggaggag ctttntcaga gaaatagcaa gcatntcctg ttgcttaacg 300

tgtccttgtg aattgcttgg ttt 323

<210> 1873
<211> 480
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<400> 1873

tttgtctctt caccaaaagg tacagattgc tttaaaatac ttaatagtat aatatgaact 60

tattgtctga agaactgtga ttttctgtgt agtcctaaaa ttatagctta aatataattg 120

cttccttgat tatatgatgt aagcactagg gctctcaggc attgctagcg ttccatttct 180

tgaacattag gccagtttac ttgtttctct gggccagcct cacacttgtt ccgagcatct 240

cttgtccaag aacagctttc aatattgtta ttcttgttca tagaattctt ggctgtnccc 300

tggggaaaac agcnagaaca gtataggtta gagtcttcag actggaaata ttgcagctat 360

tcagactatc ttcctgtgat aggacactcc cattgtatac tctgtgtctt gtaaatgtgt 420

catttcatat ttttgatatt ggttacaagc tgtgtgcttg tactgtcttg aaattcttta 480

<210> 1874
<211> 475
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (166)..(167)
<223> n is a, c, g, or t

<400> 1874
tctttgtgtc ctcgtcatag cagagggttg ccggagcagg ggacaagaaa ggctcttcca 60

gtgtgatgct tagttattaa tctgtccctt tcagacctag ccactgtaac aggagagacc 120

tcgctggctc tcttgtatac aaacataaca aacgggggg gggggnnctt tatgaatgtc 180

agaatgctca ggaaatgact ggtaatggaa aaaatgttgt aataaaataa tctaatcaaa 240

gactattatt aaatttaaca tagtatatgt ctgaaaggct tagttgcttg ctatgcagat 300

agatgtgtga aatctcactg ataatgctct ccctctgaaa aggcttcagg actgaggaca 360

ttaccagcta aattgcctct tctgaactga agtgagtccc ggtttccttc attttaatgg 420

gagggtaata aagatgaaag accaacattt tatctgatgg atcccttaag ctatg 475

<210> 1875
<211> 529
<212> DNA
<213> Mus musculus

<400> 1875
gacatgggat gtcctttgcc acttacttgc tggcttgggc tcgtttttc tgactggggt 60

ctgacaccag ttttgcccac tgctgtggtc tgaagaggcc cgtaggcccg taggcccaga 120

agctgctgtc ctgcccttta tcttcctggc cactgggctt cattcccaga tcttttcctt 180

tcactccaca gccaaaggct atgacaaaac actccctggc caatggcatc actcctcagg 240

cctatcccca gctcttggga tgtgcccctg accaaagaca ggacctcaaa aggttctgtc 300

agccaatggc agctcttctt gggctcctct gggccaatag tgttgcctcc agtacccttt 360

gttccctcct caatgtgtgt ccattgcaga gaaggggact gggaccaaag gggtggggat 420

aatggggagc tgcatttgtg gccctgcatc tgaatgggcc ctcccctcat ccacccaccc 480

agttgaactg tgcttagaac cccagaagac tgggttctag cactaggaa 529

<210> 1876
<211> 512
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<400> 1876
tctaccctgc gcatggtggc agtgttggtg tcgcggactg tgggccctac ncagcggctg 60

ctgctctgtg gcacgctggc tgccctgcac atgctcttcc tgctctatct gcacttcgcc 120

taccacaaag tggtggaggg gatcctggac accctggnag ggccccaaca tcccacccat 180

gcagagggtc cccagagaca tccccgctgt gctccctgct gccaggctgc ccgtcgctgt 240

gntcaatgct accgccaagg caatagcagt gactctgcag tcacattgac cctctctgaa 300

atcctcggcc tgccctgacc cccagctccg gggcagagga agattaaagg acagtactga 360

ggatgtgtgt gcccaggtct gcagccacca ggctgtggct gcctaaacac ctgctgggca 420

ccaggcttgg cttctgaagg gcacaagacc aggaactcac agctaggact gcaagtctct 480

gcagccaagt gcagaatatg ggtcagctct tc 512

<210> 1877
<211> 126

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<400> 1877
cagcattcct ccctataaat ataaaatcct gtctaccctc accccatcct ttgacttatt 60

tttnttttaa gattagcatc tctgccccca tttcctcctg ccttccttct ctgagcgggc 120

tgggac 126

<210> 1878
<211> 341
<212> DNA
<213> Mus musculus

<400> 1878
catgttggtt cactgatggc tttcagacac tctgtgactt cagtactcac acatttgatt 60

aatgtgtatt caatgggagt catcatttct aagtcagcgt ttgagttctc ggctgattaa 120

tccttgtaaa gaaaggactg tacttagggt agcctggggc tcctgtatgt catcccctca 180

aacccccact gtgcctcccg agatcaggat gggacagttc cgagtgagtg cttgccgtcc 240

agcggggcca cattctgcct actgagagga aagattgtcc cagagtgtgg agggcgttct 300

gaggaactgg aacagtgtac taatgtggct ggttttctct c 341

<210> 1879
<211> 298
<212> DNA
<213> Mus musculus

<400> 1879
gttcccgctt atccaaacaa tgcattcaaa cctggctggg aaaatcaccg ggatgctgct 60

ggaaatcgac aactctgagc tgctgcacat gctggagtcc cccgagtccc tccgctccaa 120

ggtagatgaa gcggtggcag tcctgcaggc tcaccatgcc aagaaagaag ctgcccagaa 180

ggtgggcact gttgctgctg ctacctctta gacaagaaaa aaagagtcga aagccaaata 240

acccctcatg gcatccagct aaggtctgaa gacatcctag tttgtctgtg gacctcca 298

<210> 1880
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<400> 1880
agagtgtact ccgtgttcta acttccagat taaaacaaca cctgagtgtg gttctacagg 60

gtatgtggaa aaaatcacat gcagctcatc taagaggaat gaattcaaaa gctgccgttc 120

ggctctactg gaacaacact tattctggaa atttgaaggc gtngtggtgg ctgtagcttt 180

agtcttcgcc tgccttgtca tcgttcgtca gcgacaactg gacagaaagg ctcttgaaaa 240

angtcaggaa gcaaattgag tccatatagc tgaatttcta ctgtattatg gtggctcttt 300

acggactgta tctcagatgg agaaagttca gcggctaatt tgcactcgta aacctgtggt 360

agtagcattt tcaatgactt cctcttctag accattaatg agcacaataa aaagtaaaat 420

agagctggac atgacacaga cttggaatcc cagcacttga gagaatgagg caggaggatc 480

cttggtaact ttgtaggccg actaggct 508

<210> 1881
<211> 526
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<400> 1881
gcagtctacg gaaccgcatt gcagccgtac ctgtggagaa caagagtgaa aaaatccgga 60

gggaangttc aaagcgcctt tcccaagaga agggtccgca ctttgttgtc ggtgctgaaa 120

gaccctatag caaagatgag aagacttgtt cggattgagc agagacaaaa aaggctcgaa 180

ggaaatgagt ttgaacggga cagtgagcca ttcagatgtc tctgcacttt ctgccattat 240

caaagatggg atccctctga gaatgcgaaa atcgggaaga attaggagct tacattgtac 300

gctgccctgg ctgtcgacga tgccgcacag cagatgtgaa agctattttt tgtttaagat 360

taaantttt ctggtgctgg gaaatnttaa cttgttaacc tttaaattgt agataggatg 420

cacaacgatc cagatttatg tgaagtttag aagcctcaag ctgtgaggcc cagggctgag 480

gaataaagta aatagaattt ggagtatgta cgttctaatt tccaga 526

<210> 1882
<211> 142
<212> DNA
<213> Mus musculus

<400> 1882
gaagtccact gcctaatgac agggaggtac ctgcagtgac cttgccctac aggtgtggct 60

aggcatgaca gctccagagg tggtactggc taccatgaga tctgtactga tgatcttgca 120

gctgaggctg ggcctgacct ca 142

<210> 1883
<211> 517
<212> DNA
<213> Mus musculus

<400> 1883
tcatcctcaa gacattcctt cgggagcttc ctgaaccctt gctaaccttt gacctgtacc 60

cccatgttgt gggcttcctc aatattgatg aaagccagag agtggaagtg acacagcagg 120

ttctccaaac tctgccagag gagaactacc aggtgcttca tttcctgact gccttcctgg 180

tgcagatatc tgcccactgt gaccagaaca agatgaccaa cactaacttg gctgtagtct 240

tcggccctaa cctgctctgg gctaaagatg ctgccatcac cctcaaggct atcaatccca 300

tcaacacctt cactaagttc ctcctggatc atcaagggga attgttcccc agcacagatg 360

cccaggggt ctgagctcac cacctccagc cccttctctg gcagcccgag ttggacttgt 420

cctcctggca ttaaccttac tggagtccag ggctcctgcc taggaagggg ccctgaagcc 480

ccagaagatg gaagttggag cctactaact gggcagc 517

<210> 1884
<211> 121
<212> DNA

<213> Mus musculus

<400> 1884
tgggtgccgc actggtcaca gctgacgact tccttgtctt cctgcgccgc tctcagcagg 60

tagcggaagc tcccggactg gtggatgtac ccggtgggca ccctgaacct caggccctgt 120

g 121

<210> 1885
<211> 370
<212> DNA
<213> Mus musculus

<400> 1885
gttacctctc ccaggaagca tgcatgcagc actgctcagg taagcagatg catcctttcc 60

tgaccccggg cctaaaagcg gtgatcctgg tggggctgtt cctcatggtt ctgatcctcc 120

tcctgggaac ctctatggtc tgcctcatcc gtgtggttcg cagaaagcag gagcgtgcgc 180

tgcgcactgt ttggagcact gcggatgaca aggagcagct ggtgaagaac acctgtgtct 240

tgtagaggcc ccagtgctca gaaccgggag tacaacttgt gctgtttaaa aagagagcaa 300

ctgcttgcgt ctgagatcat taggggtttg gtctttgttt cccagtgctg ttgggctgct 360

tagggcctcc 370

<210> 1886
<211> 493
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<400> 1886
gaaagatcga cgacctccat gacttccgta gaggactctc caagttaggc acagataact 60

agggcggggc ggagcaagtg tgtgtgagag gtgnggtaga cgtaggacat tctccatttg 120

cttctgtaaa tgcaggtgcg atctgtctgt ctccagacca attgtgccgt ccgctcactc 180

ctccagaata ggaaatctct cgcttctctg gctttgtgag gtcntggaca gctggaagct 240

tctgactcag gaatccagaa cttggtctac cttagccgtt tacgcagtca gggcagggat 300

gtttagatct tcccttaagg gctgttgtaa ccctatgaac cggggatggg ggagtatttt 360

ctaatccaag taccattatc ctttacagca ggccctcggg tgccnttctg ctgcgtggca 420

ttcagtgtat gtgactctcc agcaggttnt agaccacggg catgtggagg gagcatcttt 480

tcccagtatg cat 493

<210> 1887
<211> 480
<212> DNA
<213> Mus musculus

<400> 1887
gagcctgctc agaatcactt tagtgagggc tccctttttt tcttcttaaa agaatttcaa 60

gtgtgtgctg ataaagttct aggaatcgag agccgtcatg atttccaggt gcgagtcaag 120

gttggaaagt ttgtggccaa actgactgaa aggatgttcc caaagagtca ggaataactt 180

ggtggctttg tagtgtagca gcagcagcac accttgtaaa ctattctttt tctccacgtt 240

gtttatatgg caaaggaacc ctttcagctg ccaattttga atgatgaata tcatactgta 300

tcaccgatgt tgatatttaa ccaagtttgt cttcaggtat aagtttaatg aatgtacatc 360

actacttgtc ctgaaacatg tcgcatttta ttttgctgcc cacattgaaa cattttctg 420

ttccctccct ataagtgaca gcgaatcaat tcatcctaag taggcccctt tctgtcatta 480

<210> 1888
<211> 489
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (143)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<400> 1888
tagcttctaa acagtgcata ccattttatt ttatctttta acactttgag cttttggaaa 60

ttatattata aattataatt attgcaaact gaaaaaaagt ccatgtcaaa cacttagact 120

tgaacaaatg attgaatttc tannntttaa aaatttaaag gatgtgtatg tgtangtatg 180

tatgtatgtg tgtatgtata cacatncaca tncacacata catacataca atcacaattt 240

aattgagcca atctagcttt tttcagtata gtttatataa ttaagtgaaa ttatttccct 300

ttaatcttta acttaggaag ctagaaacaa agactttagt gtgaagcccg ggtcatgtgg 360

agctgcccag ctataatcac tgtcaggttt attgagttta ggagtactgg ttacagggtt 420

aaaactgaga agggtgctgg acgctcagga gccacaaaat cccataatgt tcttcaagac 480

tgtctgttg 489

<210> 1889
<211> 228
<212> DNA
<213> Mus musculus

<400> 1889
caggcacatg gataattggg acattgcaga tcttttctct gatcatatgc accttgtctt 60

tcatacgctg tttgaatgtg gaagaaccag gttacatatc tttaaaaacc aaaacacagc 120

aggggcttgg tggctcaagt ctataatccc agcattcagg agggcaaggc agaagtgctg 180

caaattcaag gcaagcgtct actaacagtg tgagtgcctg tctcaaaa 228

<210> 1890
<211> 229
<212> DNA
<213> Mus musculus

<400> 1890
gcttcctctt cttttccatg ctcttcctca tgtttgcagc cctcatgccg accgtgctca 60

cctttccctt agagatggcg gtcttcatga gggagcactt gaactactgg tatactctca 120

aagcctatta cttggccaag accatggctg atgtgccctt ccaggtggta tgcccagtgg 180

tgtactgcag catcgtgtac tggctgtggg ctgtgtctcc cagtctcag 229

<210> 1891
<211> 433
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<400> 1891
gaaaagctac ttgaccagga agggaagtat gcgtattagt ggcagcctgt tggttcccat 60

gtgttaaggt atactgctcc ttccttacag caaaaaaatg tttacttcag aaaccaaaaa 120

ttaataatta agatgaagaa agccaacaac cancagggct tgtcttcact gtcagaggtg 180

tgggtgttcc tcagacctcc ttcctgtgca cctctgtggg gtgcctcgct actgccatgc 240

ccccacatgt gggccctcca gccccccctag aactgtggaa gggccccagc acccacggtt 300

ccatggcttg tgacaagaag cactggccag angacagaca gtatttgccn aatcactgaa 360

ccatattttt cttttctttg ttggaaaaaa taagccgagg tgatttctga aagtcgccat 420

gttcaggcac tgg 433

<210> 1892
<211> 450
<212> DNA
<213> Mus musculus

<400> 1892
gaaagtctca tccaagctgt gtcttctggt ccaggcgtgg cccctggccc cagggtttct 60

gataggctcc tttaggatgg tatcttgggt ccagcgggcc agggtgtggg agaggagtca 120

ctaagatccc tccaatcaga agggagctta caaaggaacc aaggcaaagc ctgtagactc 180

aggaagctaa gtggccagag actatagtgg ccagtcatcc catgtccaca gaggatcttg 240

gtccagagct gccaaagtgt cacctctccc tgcctgcacc tctggggaaa agaggacagc 300

atgtggccac tgggcacctg tctcaagaag tcaggatcac acactcagtc cttgtttctc 360

caggttccct tgttcttgtc tcggggaggg agggacgagt gtcctgtctg tccttcctgc 420

ctgtctgtga gtctgtgttg cttctccatc 450

<210> 1893
<211> 457
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<400> 1893
caagaggcag caagtgccct ggtgagacgg agagagaggg tggacaaggg cgagcaaggg 60

aaagtggaaa cagcaagaaa actagattaa cctcccgtga cactggctgt ttatggattg 120

ggctagcctc gcctccattt ccctaagtga cggaggctca aatctgacat tgagcttgtt 180

tgttttcctt gtgttgtgga tggaagcnag ggccttgcat aggctaagtg ccacccctga 240

gcgctgctcc tagtcctcct ctntgctgat tncccgccca gcctggtccc agcccttgag 300

tgactcagct ttggtctggt cggttggtcc cagtgctgga gctcaacatc taacattgta 360

tccatttgat taagtatttg atacttcctc cttatccctc cttggaggtg ctcactcact 420

gagggcagga gctatgtgtc tcggtcactt ctcctgc 457

<210> 1894
<211> 467
<212> DNA
<213> Mus musculus

<400> 1894
agtaccctcc ttgcaggaca ttgacgcaca gatggagtac cagttgagac tgcaaggctc 60

cagcaatggc ttccagccct gcctggccct gctgtgctcc ccctactact ctggcaaccc 120

aggccctgag tccaagatct gcccttttctg ggtgatgcct ccccctgagc aaaggcccag 180

tgactatgga atccccatgg acgtagagat ggcgtatgtc caagatagct tcttgaccaa 240

cgatgttctt caggagatgg tgatgctggc tgagttctac aagggtgccc ctgacctggt 300

gaagttccaa gaggcctgga gcccagagca tacctacctg gacaaactca agatgtcctt 360

ggccagcagg accccgaagg accagggcat gtgccacgtg ctggagcagg tctgcagtgt 420

gctcaagcag gggagctgag gctgcatagg ctttgctgtc ctgggac 467

<210> 1895
<211> 372
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<400> 1895
atgtatttgt atatcttggc ctataaagat gagtaatagg tgaataaatt actgtcaggt 60

gttcaaacac ttaactgtct acctcctgag atagcctgtt caatctacct tgtgcaatag 120

cctggctcaa tattagaact gcagatccac ttgttctcaa cttagatgaa taatggacac 180

ngtttctcat aatttcttat tagatacaca gaaaagctgt ctatttcatt atcagaattt 240

gtcatttgaa acacaattta cagtcttaac tttcaaatgc atgtgagact aagatgtatt 300

gtgattcaaa tgctaagaag taaatttact tgtaatttct ttacttcaga attctgttta 360

tacttgtagt ca 372

<210> 1896
<211> 213
<212> DNA
<213> Mus musculus

<400> 1896
caagctgatt ccatccggcg caggccgaga gtggctggag caggcgccgg gcgaccatcc 60

ggccctgggg cacctttcgt ggaccagcaa cgtttctcgc gaccccgcaa tgtgggagag 120

ctttgccagc gcctggtacg gaactgtgga gtattatcaa agcaactacg tgttcgtgtt 180

tctcggcctc atcctgtact gcgtggtgac atc 213

<210> 1897
<211> 188
<212> DNA
<213> Mus musculus

<400> 1897
gtggctttgc ccactgcttc tggctgtggg ccacatgagg gtacgtgcca tcatctctcc 60

aacccaggcc tgggggcatg tcacatggtg ggaggagatg gaattcctcc cggctgcagt 120

gtgtctccag cccccagccc agcccctctc ccttttactg tgccttgctt agagccagaa 180

gggatgat 188

<210> 1898
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<400> 1898
cctgctgtca ggttcacagg ctgaactgcg ccagcaccac tgacggactc tacagctcaa 60

gcggaggccc tgggagtcgc acggaggcct cacccgcacc agaggcttca aaggcgagtc 120

tttggctggg taccctagca cagcctctct ccatgganct cggacacacc gtcaaccaga 180

ggaggacatg gcactagtca gggaggaagg ccagagccct tcaaccactg tccagcccca 240

gcactacctc tcaagcaaga agcttaagac ctgtgtcatt ttgagtggct gttcagtgca 300

ggtgactggc atggctgcct cggccangcc atgccaactt cactcatcca accaggaaga 360

cgtggggaga cactactacc acctcagagc tgttgtcacc gagggctgaa gaggcaccag 420

acaggactct gagcaccagg ctttccaact ttatgtgaga gtcttggcct atgaactttt 480

t 481

<210> 1899
<211> 395
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<400> 1899
aaggtgagac ctatctgcca gggctgggcg tggcctgagg gccaggctgt tggtcctggg 60

atgcctcagc ccaaanccag tgagcaggag ggtgagagca tgaaggccag ccaggaacca 120

gctccccagc ctggcacaga tgtggtccca gcagccccca ggaagcccag aaagttctcc 180

aaactggttc tgctgacagc ctccaaagac agcgccaaag tngctggggc caagcgcaaa 240

ggagtgcact gcatcatgtc cctgggngtg ccaggcccag ccaccttggc taaggccctc 300

ctcaagactc atcctgaggc tcagcgggcc attgaagcga ctcccctgga gcccgagcag 360

aagcgcagca agcagaacct ggattcagat ggtcc 395

<210> 1900
<211> 302
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<400> 1900
aattcatagc attcccttgt cttaattaat ctcctgtggc tatagttttt taaaagtata 60

aacgatattg gtgaagattc ttgtcaatct ttggttacat tcactggcac ttccttaggg 120

gacttacttg acagtggaat tactgaatta ggtaaaagaa caaaatttgc caatttgctc 180

tttccagcat cacatgcagg aggcaacgcc cttgtctgca ctggggatta cgtacttcct 240

tttcatcatt ttataattca ccactcagta gatganagcg gtacatcatc acttaagcta 300

ct 302

<210> 1901

<211> 549
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

<400> 1901
attgaccctt actcactact tgaaccttta tttattgcac catgttggtg tggtgggcag 60

ggcaggtggg ggacctgccc tggatgtggg ccctgcagtg cggtggctct gccctagtcc 120

tctggtatgt aaccagaatc cccccattgn ctgctgccaa ttccacacca cccaggcctc 180

cgtagcccca gggaccctcc aagatcgttg ctcctctntc cacccagact accccagncc 240

gtggtagtat cacctgccca tgttccgggc cttctggatg agggacagca gagaaggagg 300

cgaagtagct cttcaagggc caagggtcag catccctctt cattgacggg cccggggcag 360

agccggatcc tatgcacaga cacagttcct gggactgggc ctctccccca tcccntnttt 420

tttcatttcc ttatcctttt gtctgtctgc ttgtttgtnt ggatcacttc ctatagaccc 480

attggtctgt tcctggaaaa cactacagtc cttgtccatt ctcagttgac ccatactgtt 540

acccataaa 549

<210> 1902
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<400> 1902
tctgctcctg tcgtttcttt ggatgccagc gctactgccg gtggcttccc gccttctgtt 60

gctaccccga gctctgctgt caatggcttc tggaagccct ccgtcccagc cccctccggc 120

ctcgggntcc ggctacgttc caggatcagt ctctgcagcc tttgtcactt gtcccaacga 180

aaaagtcgcc aaggagatcg ccagggcagt ggtagagaag cgtctggcag cctgcgtcaa 240

cctcatcccg cagatcacat ccatctatga atggaaagga aagatcgagg aagatagtga 300

ggtgctgatg atgattaaaa cccaaagctc cctggtccct gctctgacag agtttgttcg 360

atctgtgcac ccttatgaag tggccgaagt gattgcactg cctgtggagc agggaaatcc 420

cccgtacctg cactgggtgc accaggtcac agaatcggtt tcaaattctg gcacagccct 480

accatgagga gccctgttcc tgttttaatg ccc 513

<210> 1903
<211> 537
<212> DNA
<213> Mus musculus

<400> 1903
tggacaccat gcagctgacc gtgaaggcgc tccagggccg ggaatgtagc ctacaggtgg 60

cggaggacga gctagtgtct acactgaagc acctggtctc ggataagctg aatgtccctg 120

tgcgccagca acgtctgctg ttcaagggca aggccctagc agatgaaaaa cgactgtcag 180

attacaacat tgggcccaat tctaagctca acctagttgt taagcctttg gagaaggtgc 240

tactggaaga agggtctgcc cacagactgg tcgactcccc agccaccccc atctggcagc 300

tgatctccaa agtcctggcc cgtcacttca gtgtagcaga tgccagcagg gtcctggaac 360

aactacagag ggattatgac aggtccttga gccgcctaac actggatgac atcgaacgtt 420

tggccagccg ctttctacac cctgaagtga ctgaggctat ggaaaaaggg ttctgcaaat 480

agcattctgg gattgtgggg agaaatccca ggtcaggcca cagctgcatg ttgcatt 537

<210> 1904

<211> 489
<212> DNA
<213> Mus musculus

<400> 1904
gatagtgact tgatgttgcc cagacaagac ttgaacttac aggctcaggg catactctga 60

tttcaattcc cgttaggtac acaacacctg agagactcag ttcttctctt tcttcttttc 120

ttgcttgaag cttctgtccc aacgctctca aacaacaccg aatatcccca tagcaggccc 180

ttgcccacag ccaggtcagc aaggaagggg atatcactta caactgggga cctccattga 240

tactcaagtg ccagctagac actaggtggc ttctcagacc tccccctctt cagcatcctc 300

tggagctcag gcctgtgggg tctttactct ccctagtttc agggtcagct agctagttag 360

ccatggcctc tccctttctg tgatgaccag ctggcccaag acatcgtgta cctccttcta 420

gggacttaac gctttagcaa tgattcccta ggcactgggg aaaagaactt ctcgggtagc 480

tgacacgac 489

<210> 1905
<211> 69
<212> DNA
<213> Mus musculus

<400> 1905
ttagcccacc cgttgtagcc tttggctgta gtcccagttt cccccgacta gggccatgct 60

gcccctcgc 69

<210> 1906
<211> 86
<212> DNA
<213> Mus musculus

<400> 1906
gggctacccc tatggtgagt ggaactgaca gggactggga tgagaaaatg aggatgccct 60

aagccccttg tagatccttc tttctc 86

<210> 1907
<211> 522
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
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<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(204)
<223> n is a, c, g, or t

<220>
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<222> (206)..(206)
<223> n is a, c, g, or t

<400> 1907
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atggacccac tgtggctgtg cagcgagaag cccnagaaga gaggctgcga gcaggntcct 120

ctggctgtac gggccagacc accagctcac tgaggtgggc accatgaaca tctttgtcta 180

ctggacccat gaagacgnnn nnnntnggag ctggtaaccc ccccactgaa tggcgtcatc 240

ttgcctggag tagttcgaca aagtctgctg gatctggcca ggacttgggg tgagttccgg 300

gtggcagaac gcaaggtcac tatgaaggaa ttgaagcggg cgctggagga aggccgagtg 360

cgagaagtct tcggctcagg cactgcttgt caggtctgcc cggtgcacca aatcctgtat 420

gaaggcaagc aactccacat acctaccatg gagaacggcc cagagctcat cctgcgcttc 480

cagaaggaac tgaaggctat tcagtacgga gccagtgccc ac 522

<210> 1908
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<400> 1908
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atgcatcctg gcacacacag acacacgtct cntgggctcc cagcccctcc agataccagc 120

acccagaggc ccttaggaga gcctctgggc acacagaaga cctgctctta tccctacctt 180

tatgatccta gaagcttttc ttctttctgg gttttaccat ctgtaaaatg ggaatggact 240

gagtgatttc caaaattctc tcctgattgg cattcctggc cactcagaat agagcccaca 300

tcccttnttg ggcagggcag cagctncant cccagcatca cacagctgcc actgtgggtt 360

ctgggagctg agcaatgctg tgtgaggggc agagtgccag ggatggagct ggcactgaac 420

agtagctcca ggcctcctct gggcccaggg ctgagccaaa ctgtgttctg ttcctgtaga 480

attctctgga ttccatagtt ggaatttcct cttctcgttc agtgaaa 527

<210> 1909
<211> 476
<212> DNA
<213> Mus musculus

<400> 1909
gctgttggcc tgctattcaa taccaccttt taaaggattg cacatgttcg ttctgtgtca 60

gcagctattt catgctgaca tgtgtgcaca ttagattcac ttctttcccc cactgtggac 120

aatcagagcc ttcctaatct ctaacagtct aatgctttca tggaatgtaa ctgcgagtgc 180

tccccacacc ctgcatctct ccctagcaat catctagctg gatcttaacg agagcctggc 240

tgctggaaca agaatgtcac acaaaaatgt gcactagaga tctggccata gaaggcagag 300

gttgcttctc catgtggctt gcagaatctg cttgttggct ttaaaaacac cctctcacac 360

tacaacctta gtctttaaag gaagattcga tgtgcttgtc cttgggcgcc ttctatgaac 420

ctctcttaag gaactgactc ctttttccct gttgtatggc aagtcactgt ctcagc 476

<210> 1910
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<400> 1910
gaagcataag tggtttactg aagttntgtg tgtttntttt ttttaaatct gaatgtttaa 60

aaatgtggct aaatctccgt gctgtttatt ggntcaagat ttttagagat cagtaattgt 120

ctgcttgcat tgaatacaat ggctaagaca gtgcaccccc tgctgttaaa gtcaaagaac 180

tggatgcctg gcccagccca gtaaaacccc acagcatggg ctatgtttct acaggatttg 240

tacacacttc aaaatggttt gcacaaagct gaaataatgg ggcccttcat aaatccgaag 300

gactgtgaac aactttcgaa tgtgcttttt aaaactctct gactaatgct aaaatctaat 360

ctaattaaat gtcctccaga cactgtagta agcattagga aatgaatatg ggggatttta 420

gaaggatgct gtgggttttt taaaattatt tattatgcat tgtaagtgat acatagccct 480

a 481

<210> 1911
<211> 558
<212> DNA
<213> Mus musculus

<220>
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<222> (318)..(318)
<223> n is a, c, g, or t

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<222> (332)..(332)
<223> n is a, c, g, or t

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<222> (365)..(365)
<223> n is a, c, g, or t

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<222> (387)..(387)
<223> n is a, c, g, or t

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<222> (453)..(453)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (469)..(469)
<223> n is a, c, g, or t

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<222> (497)..(497)
<223> n is a, c, g, or t

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<222> (518)..(518)
<223> n is a, c, g, or t

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<222> (530)..(530)
<223> n is a, c, g, or t

<400> 1911
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aaagctttat gggctggcca ggctgtgtca ctttcttcaa gcaaagccat atggagtcta 120

actcagactc cctgctctgc agactcgctc ctgcctatct ggcctcacgg ccagactgga 180

cccattatca tagtacctgc ctattcgcat gaatgccagg ctgcaccagg ggcctgggag 240

cactcacaac tccagtccgt tcctccagga ttagcttccc actgcacgga gacccaggcc 300

actccaaagc tctccttncc tccatctcac ancagtgccc ccatcctcca tggtggacta 360

gaganagctg tgactatgga ctgtgancct tctctccctg ctggccacac acctcatata 420

tccctaatta aggattcggg gactatttcc atntcatcca ggtctcctnc ctctggctcc 480

ctcccttccc ctgaaantca ggtgcattgt tctgtctntc tgtgttcttn cctcataccc 540

tcaagcttcg tgctctgt 558

<210> 1912
<211> 461
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<400> 1912
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gggtgggtnc cttggtggtg agacaggcct cccagagcat tctatggtgt gtggtggtgg 120

gggtgggctt atctgggatg gggnacccca gttggggttc tcagtgactt ctcccatttc 180

ttagtagcag ttgtacaagg agccaggcca agatggtgtc ttgggggcta agggagctca 240

caggacactg agcaatggct gatcctttct cagtgttgaa taccgtgggt gtcaaagcac 300

ttagtgggtc tgactccagc cccaaacatc cctgtttctg taacatcctg gtctggactg 360

tctaccctta gcccgcaccc caagaacatg tattgtggct ccctccctgt ctccactcag 420

attgtaagcg tctcacgaga agggacagca ccctgcattg t 461

<210> 1913
<211> 474
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<400> 1913
gggaccatgt cagcaactat cttaaatctt cagttatagc tggcatttcc acacagacat 60

gcaagaccct gacaaaggaa ggggtaataa tataagacta tagaaatctg tgtttcagtt 120

tcatctcttt tatttctaaa gaataattac aggtaacttg atcttttaat gtaccatctc 180

ctatttattt attgttttct ttctgaggta ttaaaatatc tagactgaat tttgccaaat 240

gtaagaggga gaaagttcct gaagactctg actacttgct tatttttgat tgaccttcta 300

tgcttatgtc attagtgcct cacaacgtgt ttgatgtcct ttattgatac aaagtgagcc 360

tgtnccttca ttttcttgcc cattttggta ccaatgtaaa tttgtgttag aaaatcttga 420

aactctgtga gtctgggaag aatatatctg aatcctattc aatacatttg ctgg 474

<210> 1914
<211> 511
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<400> 1914
agtgcaaaac catagcctgt ctgtcccatt agcctaacaa gagactcctg ttttctgacg 60

tgtgccttcc cccctaagga gcagtgacag ccgctctatt agatttctat tttcttttct 120

gaaaaatgtc aatttttcag agaggagaaa atagagcatt ctgtccatgt ttttgtttcc 180

aagaacaagt ataaacttaa gctctgtaga actgaaattc tttcaagtcc tttcgatcat 240

tttgatcatg cccaaaacaa ccaaactgga caacatgctt ntcagttcag ttgaagagca 300

tttgcctttg acagtaggcg tgcacaacag catatccgct ttataaacag gtatattatc 360

tgcttccctc cgtttccagc atagtcaaaa taactgagaa tcatacagtt tcaacaaacc 420

ttgttcctta ccattgtcat gaacccccat cagagccatc ttctgtttgt taatgggaag 480

aggcatgtgg gatttataca ggctcacctg t 511

<210> 1915
<211> 434
<212> DNA
<213> Mus musculus

<400> 1915
atacctgacc aactcgtgat tctagacatg aagcatggag tagaggcgaa aaattatgaa 60

gagattgcaa aagtcgagaa actcaaacca ctggaggtgg agttacgacg gctcgaggac 120

ctttccgagt ccattgttaa tgactttgcc tacatgaaga agcgggaaga ggagatgagg 180

gacactaatg agtccacgaa cacccgggtc ctgtacttca gcatcttttc catgttctgc 240

ctcattggac tagccacctg gcaggtcttc tacctgcgtc gcttcttcaa ggccaagaag 300

ttgatagagt aatgaggctc agtgttctgt cccctagagc cagcagaaca tcgctgggac 360

atgcctggcc tagcccaagg ccattctact aacagtacca tcaaggcaca gctgagcttt 420

cttgccagaa ctga 434

<210> 1916
<211> 501
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

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<222> (93)..(95)
<223> n is a, c, g, or t

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<222> (98)..(99)
<223> n is a, c, g, or t

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<222> (102)..(108)
<223> n is a, c, g, or t

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<222> (110)..(112)
<223> n is a, c, g, or t

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<222> (114)..(119)
<223> n is a, c, g, or t

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<222> (128)..(129)
<223> n is a, c, g, or t

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<222> (131)..(140)
<223> n is a, c, g, or t

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<222> (144)..(146)
<223> n is a, c, g, or t

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<222> (148)..(148)
<223> n is a, c, g, or t

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<222> (150)..(151)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (170)..(170)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (199)..(199)
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<222> (201)..(201)
<223> n is a, c, g, or t

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<222> (206)..(206)
<223> n is a, c, g, or t

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<222> (217)..(217)
<223> n is a, c, g, or t

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<222> (225)..(225)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (236)..(236)
<223> n is a, c, g, or t

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<222> (244)..(244)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (323)..(323)
<223> n is a, c, g, or t

<220>
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<222> (372)..(372)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (411)..(411)
<223> n is a, c, g, or t

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<222> (423)..(423)
<223> n is a, c, g, or t

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<222> (425)..(425)
<223> n is a, c, g, or t

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<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<400> 1916
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attctaatgg ctatttgtnc aaaaaaaaaa aannncanna annnnnnntn nnannnnnna 120

actgctanna nnnnnnnnnn aaannntnan nannacaaaa cgtncctttn gtgcattngg 180

ggtncacttt gaaggcgtna naggtngatg tgggttnata aaatnctgan agcatnccca 240

gatngctcag agtncacacn tgcactgtgt ngcaaacatn cactcattgc aaccgtctct 300

ttctcatttg ttagttgact ttnaccaagt gctctaagga agtggaaacc agaaggaacg 360

aagctctgtg tnaggatcta ggcttcccat ttcttgggta caacccanct ngaaccctgg 420

ggntntgant acntcagcat cactaagaca tggactgatt aggatgttgg atgaatctgg 480

cacctagctc ttagcagtgt g   501

<210> 1917
<211> 517
<212> DNA
<213> Mus musculus

<400> 1917
tggatgtgac gtctcctgct tccaaggtcc ccaccactgt tgaggacaga gtcagcgact 60

gcaccccggc cgtcgagaag cctgtgtctg atgcagatgc ttcagagcct tcttaactgg 120

gaaccaatgt tcagaaccga cgtggtctgt ttagttaacc acggggtcag gtctggaatc 180

gcaaactacc attgatttca tactagtgtg taccgtatct gtaggtgtcc tgtacataat 240

tctaagggga aactacgcaa gaggctgagg gcttgcctcc caccacgtcg ggggggttac 300

agccgaggag ggcaatctga gaatgtgctt gtattttaaa caaccaaaaa aagttgtcat 360

gggtggcttg ctgccaggca tctactgccg tttctgggag gttcatcttt ggaagagaga 420

tggcggggta cccactgggt tccctgtacc actgctatgc cttgtgtaag gaaatgaaat 480

attttatgcc tagtgcccac atgcaacatt tcttgta   517

<210> 1918
<211> 462
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<400> 1918
tgcctccttc gacaagtcta tcaagctgtg ggatggccgg acgggcaagt acctagcttc 60

cctgncgtgg ccancgtggc ggccgtgtac cagattgcct ggtcagctga cagccgacta 120

ttagtcagcg gcagcagtga cagcacgctg aaggtgtggg atgtgaaggc ccagaaactg 180

gccacggacc tgcctggcca tgccgatgag gtatatgctg ttgactggag tccagatggc 240

cagagagtag caagcggcgg gaaagacaag tgcctccgga tatggagaag atgactccac 300

agcttattga ccccccctcc ccggattcaa cccccacctg ccctgccaga gaccaaggaa 360

tgcacacgac cacctgcctg cccaggacag gtctccagtg tgtgacagtc aggacattac 420

agcgtggagc taagccatgg gcacttcctg gctaacagca gt 462

<210> 1919
<211> 567
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

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<222> (306)..(306)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

<400> 1919
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tcttcttang ccagccattt agagaagtct taaataagaa gttacacatg tcactcaaag 120

tccagaatga cctagaggtt tccaaaacca aaagggaaaa tgcgattcat gaaagcacag 180

atactttgta aattcccatc cccttccaag tattatcagt cttgttacat gataattaag 240

atacatgaat aaaaagcagg catatgatga taagtaactt agnctagcaa tatatctaat 300

aatatntatg aagtccaaaa aggtatnatn aaaatnaaat ataagtttcc atgcaaaatg 360

gaagtctgta ncacatcaca ttttttaga aatcaaagga acagagaagt ggcttngtgg 420

gtgnctggcg tatgagttac caaaaccaaa cttntcttct attaactggc ttcttagaag 480

acacccantc tttccgacct tcctcctaag cattcttcca agcaacactc gtatctattt 540

catgctttgt actatgcatg tgccaat 567

<210> 1920
<211> 508
<212> DNA
<213> Mus musculus

<400> 1920
aaaaacgggc agtccatcgc ctctttcttc cagtattttg gggggtggcc caagccagcc 60

tcgctctcag ggggtgcgat ggtaaggcta gaacctgagg accaggtgtg ggtgcaggtg 120

ggcgtgggtg attacattgg catctatgcc agcatcaaga cagacagtac cttctctgga 180

tttctcgtct attctgactg gcacagctcc ccagtcttcg cttaaaacac agtgaacccg 240

gagctggcac ttgctcctca gtggagggtg tgacactaac ccgcgcagcg cataccagga 300

gggctggccc cctggaatat tgtgaatgac ttaggaagag agggagccac ttccagtccc 360

actgctggca atgaatggag acaggctgtc tgaggtcaag acagcgtgga gcagtggctg 420

ggtttctgcc caggacttta gaatgcagta ggctggcagc tgtgggtcct ggcccaggac 480

tccaaggtgg gatgctccat tcctagtc 508

<210> 1921
<211> 409
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<400> 1921
agctggcttg tcctatgtcc tgggccaggg aaatgctccc tctaagtctc cccttgtgga 60

ttgttnggtg ttttctttct ttctctctct ttctctcttt ctctctctct ctctctctct 120

ctctatatat atatatatat atatatntgt ctgtctgtct gtctgtctgt attctttctt 180

tgcttctcct ctttttcttt ctgcaacagt gtcactgtgc aacccaggct gtgatggaac 240

tccagagatc cctgttgcag ggattaaagg tgtctatcag gttcccctgt agcttttatc 300

acatcctggg ctgcatctta gcagttggtg acagtttaca ggtggtggtc atttctgtca 360

ctaccagaac attttgtaca tggttatttt tgtccatcgt ttaaccagt 409

<210> 1922
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<400> 1922
tgtcaacttc ttcaccaact ggcagcacta caaggcgggc tttgggcgtc cagaaggaga 60

atactggctg ggcctggaac ctgtgcatca ggtgacaagc cgtggggacc acgagctgct 120

gatactccta gaggactggg ggggccgtgc agcacgcgcc cactacgaca gcttctcctt 180

ggagcctgag agtgaccact accgtctgcg gcttggccag taccacggcg atgccggaga 240

ctccctctct tggcacaatg acaaaccttt cagcactgtg gatagggaca gagactcata 300

ttctggtaac tgtgccctgt accatcgtgg gggctggtgg taccatgcct gtgcccactc 360

taacctcaat ggagtatggt atcatggagg tcattaccgg anccgatacc aggacggggn 420

tctactgggc cgagttccgt ggtggggcgt actctctgaa gaaagctgtt atgttgaccc 480

ggcttgtgcg cttgtgactg tcccatca 508

<210> 1923
<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 1923

gttagcctgg aaggagttag ctcccagagc tccccagggt accctcccgg ggtcggcctt 60

accttccatc tccattgcac attcctggcc cccgttctgc acaggagcag gggctggacc 120

ttctaactca tcagcatcca ggtcctcccg ctcctccttg ctgtgccgga gactgaaaac 180

caggcgatgg agctgggaag ttagggagaa gggaccaggt gggagttctg gctgtcaccc 240

caggtccatg ctggcacaca gctttgtcac tgtctacaca cacacacaca cacacacaca 300

cacacacacc ccagactccc ttntggcctg caggcctgcc caggcccagc acactcagac 360

tcctctttcc aggacagtct ttgccttcac actgaacccc gagctnttca tctagcatta 420

aagtcttcgg ccctgcccag tcccgtgttt caccccaagt tttaggtcta caccgagaat 480

catagttctt cagttctgat acttcatatt cctattgtca tttgctctgc tt 532

<210> 1924
<211> 203
<212> DNA
<213> Mus musculus

<400> 1924
gtctgaaaat aggttctcct tatgtagctc aggctgccct tgagctcatg tccctgagtt 60

tctcagtgct gggatgacag gcctgccacc acaccttgtg tttgtgtcaa tgtttctttc 120

tgtgtccctg tctcttgctc atatggctct cgtgtctgcc ttcctctcac tttgactctc 180

ttctgtcatt ccaggttggg tgg 203

<210> 1925
<211> 357
<212> DNA
<213> Mus musculus

<400> 1925
ggcactgtag cccacctggt ggcatcccaa ggctcagcac gccacaccgt gcagcacact 60

gcctatccgg ccagcatcgt ccaccaggtc cctgtgagca tggggccccg ggtcctgccc 120

tcgcccacca tccaccccag tcagtatcca gcccagtttg cccaccagac ctatatcagc 180

gcctcgccag cctccaccgt ctacactgga tacccactga gtcctgccaa ggtcaaccaa 240

taccccttaca tataaacact ggaggaggcc cgccagggag gagggtggag gagctcccag 300

accgacctgg agagctggga ttttctactg caggtgccgc acacaaacaa tgcaatg 357

<210> 1926
<211> 197
<212> DNA
<213> Mus musculus

<400> 1926
tgtcatgccc agaagatgtg agtttatcca cgcctcctgg acttctgact cttggccatt 60

ccactcccca tcctccatgt tccctgggct ttatggaggt agactaagga atgttgaact 120

atgatttgta ttctattaaa atttgaattg attgttactg gcactaagaa atcacttttc 180

catatctgct tctgtaa 197

<210> 1927
<211> 326
<212> DNA
<213> Mus musculus

<400> 1927
ggaatctggc cagcgggctt ctaatgggaa aggaaggggg ctggggcaag aagaggtatt 60

tttacattcc ctttcttaaa aaaacttaaa cttctgagat gactggacct agactacatg 120

ctaacctacc ccatcataca tgtagctccg ccatccgctc tcccaacgca tctgagccct 180

ccatggctga gaagcatgtg ggactcagag aacagactct accccagagc ctggcatttg 240

ggtactgact gggctatcag tatcttgcct ctgtgtttac atgttccgtc tctccaagga 300

tggatattgt agtctgtgaa tgctca 326

<210> 1928
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (49)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 1928
tagggcttcc ttcatgaaac ttcagccaaa gactagccat agcctcttnn nnnattgcaa 60

gcnngttctc agaagcctcc gtttctctaa gtcaggttgg cttaagttcc aggacaagca 120

gccacctccc cttacagtga cctgtccagg ctgagggaga gtgagtgtga catagacatc 180

tccgactgta gactctggtc aaccctcctg aacaggcaga atgacagagg ggcagaaggc 240

cacaatgaag cccttctagg cctccaagcc aagatcttct ctctttcctt tctgaaaaga 300

ccttgggcac cactagtacc agggagggac aggggcatct gcagaggcag ccggntgaga 360

ggcagggagg aggcattgtg gactacagtg ggcaacacgt ggcggcctgt tcctgtatct 420

ggcctccctg ctggtgggga gggagaagga aaataatgga tggcctcagt ccatagtcc 479

<210> 1929
<211> 495
<212> DNA
<213> Mus musculus

<400> 1929
gagttctctg agtgcaacta gcaacaattc cactgtggct tgcattaata gaaatgggag 60

ctgccgtgtc aaagaagacg ccttcttgca gcggtacagc tccgacccca caggtgctgt 120

aacagaggac aacatagatg acgcattcct ccctgtacct gaatatgtaa accaatctgt 180

tcccaagagg ccagcaggct ctgtgcagaa ccctgtctat cacaatcagc ccctgcatcc 240

agctcctgga agagacctgc attatcaaaa tccccacagc aatgcagtgg gcaaccctga 300

gtatctcaac actgcccagc ctacctgtct cagtagtggg tttaacagcc ctgcactctg 360

gatccagaaa ggcagtcacc aaatgagcct agacaaccct gactaccagc aggacttctt 420

ccccaaggaa accaagccaa atggcatatt taagggcccc acagctgaaa atgcagagta 480

cctacgggtg gcacc 495

<210> 1930
<211> 298
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (151)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<400> 1930
atctctgggg tcagaactca gtggtagagc agttggccct gggtttggcc ccagcaccac 60

acatgcacac gtgtgcaact taagtttttt tttcctcttt ctaatcagtg ttctaatatg 120

ctttttaaat ttttttcac gaaaaaaaaa nnnnnnnnca anancngaag atntggggaa 180

gnntcttcct ttngagaaat ccantttcc caggttttgt gagaactagt tattccttcc 240

ctcanactgt tttccttccc ttcagagaac tgnagtcctc tgatgagcac tcctgacc 298

<210> 1931
<211> 442
<212> DNA
<213> Mus musculus

<400> 1931
gatgtggatg ctgcttttct cagtagagac ttggctgtgg agaaccctat aaagtaccaa 60

ggactaggcc gcctcacctt cagtggactg cttaatgctt tggatggtgt agcctccact 120

gaagcacgaa ttgtgttcat gaccaccaac tacattgaca ggctggatcc tgccctcata 180

cgtcccgggc gagtagatct gaaggagtat gtgggctact gctcacactg gcagctgacc 240

cagatgttcc agaggttcta tccagggcaa gcaccttctt tggctgagaa ctttgctgaa 300

catgtcctta aagctacatc tgagattagt cctgcccagg tgcaaggcta cttcatgctg 360

tataaaaatg accccatggg ggctgttcac aacattgaat ctctgaggtg acccaccagg 420

ccatgatctg ctctcaaaaa tt 442

<210> 1932
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

<400> 1932
acacgcattt ctgcctgaga caatccgcct ttgagngact gtcatatttt atctagagtg 60

ttctttacta tctacttctg tagcagggtg ggaagagagc acggaagctg gccctggagt 120

ccttgaggaa gaaggccntt tggaggtttg gcagaagtca ggtaggntca ctgctgcgtc 180

ctgtcaaagg gaggcaaaag cctgctggag ttgggcaaag agccctggct caaactgggc 240

cagccactga caacaacggt ggcctcaggg tgcagttcca cttcaggagc tcgttcattc 300

accgcatggc ttcaggacgt caggacgctt tggtggacag tgggtaggga ttaaggcttc 360

caaacgcctt aaacccccgc ccatgctcct ccgcggaaaa acaaaacaag cttgcgagat 420

cctgcagcgt 430

<210> 1933
<211> 336
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<400> 1933
gtattttcag cactactacc gaaagcagtg ncccctgggg agagaggggt cgttcagagc 60

cagcatgagc acagacccct aagatctgca ggcatcctta gcccatcttg tccctccctc 120

ttcccttccc tggcagaaga tgcttcatca tccctcccct gaccccaaag ggcacacagt 180

ccttggtggc cccagggata cctaagttcc tgtgacggtt cttctcccag tggttcgtcc 240

gggccatttc tcttatggtt gttggtttat ctgcggtatg tggntctgcc aagtaggtgg 300

agttcatatg gagaggtggt ctctttagct ccatgt 336

<210> 1934
<211> 112
<212> DNA
<213> Mus musculus

<400> 1934
ctggaagttg ccactacttt ataatgcctc ctaaccccca atacccatct tttaggcccc 60

ttcccactac catgtcctgt gccctctttt caatcttcac caggccagat ct 112

<210> 1935
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<400> 1935
gtatgtgaag accacatggc caaatgtgtg gggcagagcc tgtgtgagaa gctactatgt 60

gcctgtgacc agatggcagc tgagtgcatg gcctctgcct tctttaatca aagcctcaag 120

tcaccagacg gagccgagtg tcaaggcgag cctgtgtcct gtgaggatgg catgctccag 180

ggcaccttgg cctcttctgt ggactccagt tctgaggaga atagtgagga agctccaccg 240

cagatggaac gcctaagaag atttctggaa aagcctcctg ntcccttggg ggccagaccc 300

ctcggtggga aataagatgc ta 322

<210> 1936
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

<400> 1936
aatgccttta gtcagagttc ccaacttatt aaacatcaaa gaatccacac cggtgagaag 60

ccctatgagt gtaaggagtg tgagaaggct ttccggtcgg gttctgacct caccagacac 120

cagagaatcc acaccggaga gaagccgtat gaatgtaaga tttgtgggaa agcctattct 180

cagagttcac aactcatcag tcatcacaga attcatggtg gtaagaaagc ctacgaagan 240

gaggacggtg ggaagaactt tatctataac tcacagccta ttcagcatca gaacttatat 300

tggtgatgaa ccgacacata catgatgtat gggaagactc agaactgtca gagactctgt 360

agaggccctc tagaccggag aatgtngaaa cagttgactt gttgacnnnc ttgttcatct 420

aagagaaact catattggag aagcacccta tgaatgcagt anattctgga agctgtctag 480

taacagcttg tatttctttt gactcagatt attcagtctg gcaaa 525

<210> 1937
<211> 216
<212> DNA
<213> Mus musculus

<400> 1937

aatagatgtc accacagtcg agagactttc tcagacatat ctctatcaag cttctctggg 60

acctggttat ggtaataaca gctttttctt gcatgggaaa tacaaggctg ctgatctgag 120

aaatctggcc cctggtgtag gaatgaattt gccagtatcc tgtgttcaga ttcggaatag 180

gaaaggggat cattcaaatg tggaagccgt gccccg 216

<210> 1938
<211> 372
<212> DNA
<213> Mus musculus

<400> 1938
gcatatagac tccttattac aggttgattt tgaaaggata aattgccaag ggaagcaaaa 60

tttaaagtaa gtgaacatct caggagtaga atacaggttg acccaagtca ttgctccaga 120

attgtcatag tccgttgtct tgttttgcag atgagataga cattgaaata catatctgat 180

tgcacacatc ataatttacg agttagatta ctatcactat cacagctaaa atagccgtac 240

ttcatcacga ctcattcagc aaacctcatg atgtttccat tcattgacaa tgtagtagta 300

tgtatttatt ttagtgcctt aatatatttt tgatgtattt ggctaatggt aaaatgaact 360

gtctcttgaa ga 372

<210> 1939
<211> 210
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<400> 1939

gggcttctag cggagcagca ggaagtacag aattttgaag atttgcccct caccaggaaa 60

accattgcca cagtccctgc acagcgtctt nccctgcngt ttgagaacaa gtgattctgc 120

ccagaccctg gagagcctgc ccgggatacn gttgttcctt tccctgcatg gcaccntctt 180

gctattctga actcagctgg ctatgaaata 210

<210> 1940
<211> 547
<212> DNA
<213> Mus musculus

<400> 1940
ttgatatctc ttgctggctg cccagggagc cttcacccca gggctttaac tgcacagaga 60

catgaggtct aagcccttcg catccccaag taaggctgag ccttttttct gcctgtgctt 120

gctctgatgc attgaggatc atgcctggcc actgtgcaac ttttaagcag agccgtgcaa 180

catcccaggg agttgacttc tatgtaaaca ccttcatcca tttctgatgt atgctttgag 240

gtggctcagg ctgggctagc ccagcccaga cagaaatcct aggcatgtga ttagaggatc 300

agaacccttc tggcccttct tcaggggaga gatggggctg aaggtggggt tcaaatctca 360

tgccgagtga tggaacccga catccctagg tgctaaggcc ccaccaaatt ctctggataa 420

ggaagttcca ggaatcttta ctgataaaca tcccaatgta tcaacaaggt agactctgac 480

ctccatggga cagaaggatc ctgggtcagt cccctccctg gggactctgc agttggctgt 540

tcattta 547

<210> 1941
<211> 431
<212> DNA
<213> Mus musculus

<400> 1941
aagatctcta gggtccagtg aggacagtgg gaacaggacc cctggctggt gccctagaat 60

tcatacaact tgttcccact accttataaa ctaatttaaa gatgctatgt tttttaaagg 120

aggaccatgc acctgtattg tctagccttg acatctggaa aggctaagct gttgctgctc 180

agggcctaat aaagtggcaa agctctccaa agataacaca gccccacatc aaagactctc 240

acgaataccc accaagactc cagggagtcc atggggcacc cttcaactga ccctatatag 300

actctatgca gaccagggcc tgtcttgcta tattcaagta agcacacagg ttggggattt 360

ggtggtaacc tgaataatat ggttcttatt tctctttata agataaatgt gtgactgctc 420

tacagggctt a 431

<210> 1942
<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<400> 1942
aagggtccac aaagctctag actgggcaaa attcaggttt ccatgggctg agcctagcac 60

gttttttntt tctcctgcct cagtttaccc gtatcacagg aagagttaga gcagggtcag 120

cctccaaaca ataggggaga cggaagtaca gcagtagtcc tcccggccct cctcctgtat 180

gccaaaatca tttccgttat cccgaggcag gggagtgggt atgggtgccc ggcagcgttt 240

ttaagggacc ctgccctgcc cacagcccca gctgaccctc tcctggcatg tcgtgcccag 300

gtcaccagca acagtggtac ttcatcagtc ctgcagcttg ggtgaagggg gtgggggacg 360

ggtgtcctcc tctgtccacc tccagggccc ctcatgcttt tgttttctcc ttgtcaaaga 420

aacaaaaccc ttaagagttg tgtactgtat 450

<210> 1943
<211> 296
<212> DNA
<213> Mus musculus

<400> 1943
caccttcgaa aatagctagt atggaaatcc caaatgacga catcacagta gagcaagcgg 60

tggggctagg aaacaggatc ttcctcacct ggcgtcacga ccccaacatg acttgtgact 120

acgtaattaa atggtgcaac tcatctcggt ctgagccctg cctcctggac tggagaaagg 180

ttccttcaaa cagcacggag actgtcatag agtctgatca gtttcagcca ggagtaagat 240

acaactttta cctctatggg tgcactaacc agggatacca actgttacgt tccata 296

<210> 1944
<211> 520
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (114)..(114)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<400> 1944
gagaaaccgt actttatgga cccagggttt ttgagtgtta taaaacggac caacaacttg 60

aacaatgcca agtctcaagg acaaaaggat gctttaccaa atgaagaggg gacnagaact 120

ccagcccatt gtgagatagg gaccaagang aanctttgac tacctgtgan caccgagaca 180

aagtctacag ctgttttcac gtgaactaga gcacggaaga tgttaaaact atgtctatat 240

gcatcaattt aaaaggcaca atattggctg ggcacaggga cacacatctg taattcaaaa 300

ctggaagagg ctataaggct agcctgagct acatactcag atgttaaatg ctagcctgaa 360

tgctacatag agacctcata taaacaaaca aacaaataag gttggctcac tggataaagg 420

tgccagttgc caacccgagg aactgaatac cccaggaccc acatggtaaa aggagagaat 480

cagttcctct aagttgtcct cagagctcca catgtgaact   520

<210> 1945
<211> 379
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<400> 1945
gaagccaggt gtccaggtca ttgtttatgt cacacagctg acattagctc ccctggtgga 60

ctccagcgct gggcatagca gctctgccat gcttatgctc ctctcggtgg tattcgtcgg 120

cttggctgtg tttctgatct acaagtttaa aaggaaaatc ccctggatta acatctatgc 180

ccaagtccaa catgacaagg aacaggagat gatcgggtca gtgagccaaa gtgagaatgc 240

acccaaaatc acantcagtg acttcaccga gcccgaggag ctgntggaca aagagctgga 300

cacgcgggtc ataggaagca ttgccaccat tncaagcagc gagagcacaa aggagatccc 360

caactgcact agtgtttaa 379

<210> 1946
<211> 190
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<400> 1946
tgcacacctg gactctgtgt ccgcactgct tattgttggc ttccacagcc aaccttgntg 60

atccagccaa acactgaggg acatctgcat cctgtcagct ccatgatncc ttgacattca 120

antcctcact tccatgccaa gaataagaat ctgaaggggg ggnggtgttg aagcgatgac 180

tgctcttcca 190

<210> 1947
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<400> 1947
tccccaggat gtgctcacca aggatgacaa aggggagggc tacctccgtg atcttccgcc 60

cttagaggcc tggcgggctt aggtggggat gtttcaggtc tgctcggtgt tgctccccag 120

gtccttcttc tcatcccgtc tctagtgtga gcctgctacc atttccatgc ctcctcaagg 180

atggnagacg tcttctctgc atctctgggg taacctggca tttgaattcc aggccagact 240

ttgcctccga cagctgttgg actccctaac ctcctgcagg tcgactagat ggcttcccag 300

ttatcccgca aatgtccctt catgcaccca atatagaagc taggctaacc agggaacctc 360

tctgcctttc tctgcctcct tccatctgtg cagctgggga agtcacctca gaggacagga 420

agtaggacca gtgtcacact aagtaggacc agtgtcacac ttggcaaatt ctatctggaa 480

cctggtggat tgttggtgtt acctt 505

<210> 1948
<211> 438
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 1948
aacatgagcc tcctcataat ccacaaccca gaacctgagg acgatgagag caatgacctg 60

atgttactac gcctcagcga gccagctgac atcacagatg ctgtgaagcc catcgccctg 120

cccactgagg agcccaagct ggggagcaca tgcctagtct caggctgggg cagcattaca 180

cccacgaaat tccaaacccc agatgatctc cagtgtgtgt ccatcaagct cctgcctaat 240

gaggtctgtg tcaaaaacca caatcaaaag gtgacagatg tcatgttgtg tgcaggagag 300

atgggtggag gcaaagatac ttgcaagggt gactcaggag gcccactgat ctgtgatggt 360

gttctccatg gtatcacagc atggggccct atcccatgtg gcaaanccca atacgccggg 420

agtctacaca aaacttat 438

<210> 1949

<211> 453
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<400> 1949
ggagaagtta ctgggctttt ccaatgcttt atataatacg cacacacaca tatgtatgta 60

ggtatgtata tgtatatatg tatatacatt ccaatttagg gnacactgca agaattatta 120

ggaattcccn ttgccaccca tctagatgaa cagggatgca tgtnatatat ttggtacttt 180

canccatccg ggattctgtt ggagacagtt atnccccttа attttaaata tatccctgtg 240

tttactgaat aggactttga cctgttttct tccggtgctg ggtgttgaac ccagggctac 300

ctcctgagct acagcccaan ccctntccca actttcttca agacatgatt aaaattagga 360

aatgcacctt ggagnaaata ctgtaaacta aatcatactg nccaaattgt ccctgtggtg 420

tctgtagcta gctatggatc ttacctgggt cac 453

<210> 1950
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<400> 1950
accagtgcct ataggtatca taccccaact gactcttggg gccgggcctt caccccagcc 60

tttgatcaca cttccccccac acacacaacc cctcactccc ctgcagccac cttagtcacc 120

tttgggcact tatccccagc tttacactcc ttgcacgctg taaccaaggt ggctctggtc 180

ctggggtacc attacaactt gcaggaaact tccagaacca gcttgggtaa caacagtccc 240

tgtggctgta tcccacttgc tgtggcttca gtggtgttag ttagtggtac ccaccccacc 300

aaactctggg gcaccctggg ggtttgggcg tgggtttgca gagggtgcta tccctaaaga 360

ccagcctggc tcccacccta ancccagca ggggccctag caatgttttc ttgttgtaca 420

agaaccaggt ccaagtgttg cctcctcttc cttccggaag ctgaactgct cctttatttt 480

ttagagctgc tgattgtgaa tctcaaa 507

<210> 1951
<211> 476
<212> DNA
<213> Mus musculus

<400> 1951
gatggcaaac ttttttatta tgaacctttt attatgaaat gtgttcctca tagaacatac 60

aataaaaatt aagctaaaaa gatatttaaa agccatacag ttttactact gataattatg 120

tcaccatttt tacagatctc tttatagctt tatgtgtatg tgtatattta taaaattcat 180

tgtcattcaa gtttttttcc ttttagctat tctttatatg ttcttgtgtc agtggagaag 240

aaatgtagtc tggaagtaaa tattagcttt agtatgcaca cttgagtttt ttggttgctc 300

agaaactaac tgtaaatgag tcttgaaagt gtctgttgga tttaatcaac aaaaacagtt 360

gtcattttct gactaaggag cttattgtag aagtgaagaa aatcattagg aacagagaaa 420

gctgatgtaa gtattctagt ttctttcttt ccaatccttc tgtccccatt cttaat 476

<210> 1952
<211> 400
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<400> 1952
gaaaaccaag ttactgctcc tcacgtccgg agatggttct ccgagctgca tgaagaggag 60

gtggaagtca gcctccctcg atttaaaata gaacaaaaat tagacctcaa agaagcatta 120

tattctttaa atgtaactga aatatttagt ggtggctgtg acctttctgg aataacagac 180

tcatctgaag tctatgtctc cagagtcatg cagaaagttt tctttgagat aaatgaagat 240

ggaagcgaag ctgcagcatc cacaggcata aacattcctg cgatcatgag tttgactcag 300

actcaatttc tagcaaatca tccatttctg tttattttga agcacatccg aacagaantc 360

aattttgttt atgggaaagg tgacagatcc tgacattcaa 400

<210> 1953
<211> 356
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (248)..(250)
<223> n is a, c, g, or t

<400> 1953
atcgcaccat tgtctcagag cgtgacgtct atctgaccta tatgctgcgg caggccgcac 60

ggcgccttga gcttccccgc gcctctgatg ctgagcccag gaagtgtgtc ccgtctgtgg 120

tntnnngggc gtcgtnggca tggggcatgt gcctggcatt gagaagaact ggagtaccga 180

cctcaacatc caggagatca tgacagtccc cccaccgtcc atctcaggca gagtgtcccg 240

ggtggctnnn gaaggcggcc ttctttggtc tcctgggcta tagcctgtac tggatgggcc 300

gtcggaccct gaacctggtc ctgtcactgc ctgctgcaca gttctgcctc cagagg 356

<210> 1954
<211> 454
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<400> 1954
atgcccagtt cacttgtcct gtggggtgtc atctttactc ctgccttctc ctgcccggga 60

aaaataaccc tttagaacca gaatgctctt gtcagcctcc ctcgacagtc actgtgagtg 120

tagacagaag agctcctgcc atgagctggg acctggagtc cccacagggt cacctgccag 180

gctccaagca agcagccttt gtggaacata caacacactc agccaatcac aggtcagaca 240

gggctgtcac cccaataaag agacacctgg gttaccaggt aacctgaggt gccccagaga 300

aacacagtgc cagtcccagg ntaagtccct agactacaca ggccacagct ctgagctgaa 360

agtgagagac accttagctg gtggaggctt tatttctgta ttngtttncc acccacggtc 420

actttacctc tgagaaacat tgagggtgac ccca 454

<210> 1955
<211> 405
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(71)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(84)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (89)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(170)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<400> 1955
cagcaccgat tggtcagcaa aagcttccnt cancctgnct ncaacangag cctccatana 60

aaccanannn nacntnctgn gnnngactnn agcaatgacc tgatgctgct ccgcctcagc 120

aagcctgctg acatcacaga tgttgtgaag cccatcgncc tgccnactnn ggagcccaag 180

ctggggagca catgcctngc ctcaggctgg ggcagcanta naccntntna antntnccaa 240

aanncnaaaa ngatctccag tgtgtgnncn tcaagctccn ncctaatgag gnctgtgnna 300

aagcccanat anngaaggtg acagatgtca tgctgtgtgc aggagagann aatggaggca 360

aagacacttg naagggagac tcaggaggcc cactgatctg tgatg 405

<210> 1956
<211> 518
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<400> 1956
gggaattcca gggttagtcc attgatagcc gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 60

gtgtgtgtgt gtgtgtgtgt gtgtagatta agcactgcag acancntgca ggactctgtt 120

tccatggctt cttccatcat aagtcgggta gaaccatgtt cactgcttca cagctctaac 180

ccatgtgttg tcttatggct ccattatata tttactatag ctttggtgta tgctatgttt 240

tctttttaaa tgactaatgt taaaagttag tttttcagca gttagccatc ctctcattac 300

atcttattct tgccggtatg gtttgagagt gtagcttgat tgttagactt tcattgtctg 360

ctcagtctat tcacacacat ctccactgtc aacaagtggg acagctgtca acaaatcttc 420

atggatctga agagaatttc tgtgaagttg aatgcaagtg tactgtcatt cacagtgttt 480

ataaaacacc aggaaccttc acttttgcta ccttgata 518

<210> 1957
<211> 574
<212> DNA
<213> Mus musculus

<400> 1957
tgacacttcc tagcaaactt ctcttcctca aagactgaaa ggctttgcta aagacttctt 60

cgtgatgtca catccctgcc atggagtaga agtcaaactc agtcagctga ctccgtgctc 120

ccacagagga ctttgcccca gctactcatg tgagttgcat atacagagcc ctagtccaga 180

cgccagagga tgatctaaat ggagaaatca gaaaacagcc ttaaccaact tgaggtggga 240

cctgggacat gccctccctc gggtagattc gttgcttccc ggatctcatt ttacttcaca 300

tttcttatgg cacagagaac agacaaccct cccaaagtct tcaaatatga aatgctattg 360

tcaagattgg caggtggtga cttcctttgt aatactaaaa tactaaaata ctcagacaat 420

ggaggatggg ttagacccaa tgcatggcaa aaccaaaggc ctgggtgcac cgttgtgtat 480

gctgcgggag ctttttattt ctgacggttt gatgtggctg tagaaagtca gccactgagt 540

agctgttgtg ttatcgccct tctgttgtaa acat 574

<210> 1958
<211> 328
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<400> 1958
tctgtggttt tcctgtgcca tccacctcag gcctccttgg atggcagcag tttngcnncc 60

atctttactt cccacagaaa gtacttgaag aaaatatctc ttaaaatagc atacactacc 120

taaggctgga cgggacagtc taggttngtt cttcatgtag cagacttgcc ccttgctgtc 180

cttttacgaa cggtcactac agcagatgcc cttcccgaga cttttaccct ctgtttccag 240

cctgcggcgt ctactgcgag aactcagttc tcgctgctgc tttcctagat gatctcaagc 300

gctttgctct gttctcttac ctagagtc 328

<210> 1959
<211> 507
<212> DNA
<213> Mus musculus

<400> 1959
gcctgcttcc ttataaaacc cgagatcacc agcccacaga tggcaccacc cacaatgggc 60

tgggtccttc cccattaatc attaagaaaa tgccctacag gtttgcctac agctggattg 120

tacagaggca ttttcttaat tgagattcct tcatttcaga tgactgtcaa gttgacataa 180

aattagaaca gttattatgc aagtcgctag tgtttgtaaa gcatgtagca catgcctgtt 240

tcgtaggcct ctagagttag tgtctcttct gatccttagg taactgccac cctgtggatt 300

ctacttcctt ccctcttagg atttacatat agtctgtaaa gcactcttga gtctcactaa 360

tgagaagaaa atgcatgata gactttatat tgtttttagc aggagctaaa aaatacattt 420

tgaagaagca gcatagcaga ggcagaaaca tagcacccaa gtctgaaaca attggcacca 480

gtcttccctt ctgcagtttg ttcaata 507

<210> 1960
<211> 554
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (40)..(41)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (48)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<400> 1960
tgccaatctc attcaggact cagtgactgg ttttttttn nttgtttnnn tgttttgttt 60

tgttttgttt ttcttaatca caagggcgtg ggtcagcctc ccctaggact tcatgtctgt 120

atatttcccc attcactgct ctgactatct gagatcggct gagatgaccg aggtgatgat 180

gaacgctcca tccatggaag agattggtct cagcccccgc aaggatggcc tttcctatca 240

gatctttccg gacccatcag actttgaccg ttgctgcaag ctgaaggacc gcctgccctc 300

catagtggtg gaacccactg aaggggaggt ggaaagcggg gagctccggt ggcctcctga 360

ggaattcctg gtccaggagg atgagcaaga caactgtgaa gagacaacaa atgaaaagaa 420

ggaccagtag agtccacgca ggctngcctg ggtcatgcca gccagcacac ctgaactgtt 480

tttcccatgg tgatggaaga agagaatgag ccacagtcat tgtgaaaatg tcaaacgagg 540

cttccgtttt gcac 554

<210> 1961
<211> 444
<212> DNA
<213> Mus musculus

<400> 1961
gcacttctct gaagggctgg gaccagggat ttgttatggc gtgatctgat cctttgagcg 60

gtttctggcc ttggatggta ctgggaacag agcgccttct ccccgggatg cagcccaggg 120

gcctctgagg gggtgtctgc tcacctgctg cagctttagt gccttagtct gtgcatggtg 180

cagcctcact ggacacagac tggaccttag agcattttag aggttgccac atgttccctg 240

cgacactatg tcccgctgaa ctctggacca gcatgcatca cagtccgggc tgtgccctgg 300

cctgtcagtg aaggcctctt gcttgtcacc atcccggtgg gctatgagtg agcgcctgcc 360

aggggtcctg tggacgccag tgtatgctgc tcactgcatg ttttagaaac aaaagccgca 420

ggcctgacga atctgcaagc atca 444

<210> 1962
<211> 524
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (148)..(149)
<223> n is a, c, g, or t

<400> 1962
gggcgttact actttatatt acatgctact aaacagtccc ctcccctcaa ctcttctggc 60

aggtgttgga agagaaatgc ttagttcaat catattaggg gggattatga agaagcttta 120

aaatcctaag cctggtatgc agtgtganna gtgttcagag agcttgttca tgagagctgg 180

ttatcataga caatttgaaa gaaacccaaa aaacagcttc cctgacagaa gatgccagtg 240

atcaacatcg aagacctgac agaaaaggac aagttgaaga tggaggtaga ccagcttaag 300

aaggaagtga cactggagag aatgatggtt tccaaatgtt gtgaagaagt gagagattat 360

attgaagaaa ggtctggaga agaccctcta gtgaagggga ttccagaaga caaaaacccc 420

ttcaaggaac tcaaaggagg ctgtgtgatt tcataggcgg gaaggcattt tcttagaata 480

tttagaattt taatgataat gcaaactgtt ctcctatata atta 524

<210> 1963
<211> 360
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)

<223> n is a, c, g, or t

<220>
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<222> (186)..(187)
<223> n is a, c, g, or t

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<222> (196)..(196)
<223> n is a, c, g, or t

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<222> (211)..(211)
<223> n is a, c, g, or t

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<222> (213)..(214)
<223> n is a, c, g, or t

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<222> (233)..(233)
<223> n is a, c, g, or t

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<222> (235)..(235)
<223> n is a, c, g, or t

<220>
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<222> (240)..(240)
<223> n is a, c, g, or t

<400> 1963
ggactacctg agatcctacc gcagattgaa ttctgccatg aagaagggca cagaggtctt 60

ccagagtgag agtcagagga anccacaagt gtccccagga gatgtgnaaa nctacaaaga 120

caaagataca gaggagccag accaaccctc cccaagcttg ctnagggaga aaggnctgga 180

tcttgnnacc tgtgantggt ggagactgcc ntnnccagga tcctgtttct gananttccn 240

aggcacctag gctgctgggc atggcttcaa agggcttttg gccagaagaa gaagtgagaa 300

aggcactaag aactgtgttt ggagcccatg aaccctgatg cctgctaaga ctagcaatta 360

<210> 1964
<211> 378
<212> DNA
<213> Mus musculus

<400> 1964

agcactggca tcactgtgta cacagtgagg tcctttagtc ttcagttcag gactaggctg 60

tctcaactct agaatgtcaa gtcagtgaca catgaggagg tatcagtctc tggccatgcc 120

accccatgca ggaaggctcc tccactgtat aatcctcctc aggctaaacc cagtggcttc 180

ttaggagacg atgtctgcag gtgccatgtc attgccgtac gtggcgtctc ttccacctgt 240

cgtctgatca gctctctaga aaggcgacag cacactgctg tcctgactac agggctccca 300

gttctcatcg ggcaagtctt tgtcaagctg gcagccctgg catccagtct tcctgtccag 360

gttgttcagt gccaccag 378

<210> 1965
<211> 565
<212> DNA
<213> Mus musculus

<220>
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<222> (91)..(91)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (209)..(209)
<223> n is a, c, g, or t

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<222> (239)..(239)
<223> n is a, c, g, or t

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<222> (249)..(249)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (342)..(342)
<223> n is a, c, g, or t

<400> 1965
cgcccaacct gtgaagcaaa tgatttctta tttagttgag taaacagaga tatgccttta 60

gaggcatttg ctgtgttgtt ttatagcatg ngtgtcattt gtgttaataa tctaaaggat 120

atatttccaa cttgtaaagg gnagtcacta tgnaaaagaa catcagttct catcaagcta 180

taaaaccnng aagaggttga aacttattnt aggcaataaa atcagttcct gcccagggna 240

ttccatggnt aggnagtgaa tggatggcta cttttgaaca agcttcaaag gaggcagcaa 300

gggaagaaac tgtgaggttt tgtttttgtt ttttaacctg gnaagccatt ggcaagtcca 360

ggatgagaag taaaagtctc ccgagtctca gtgttggatg gtgggagttc agtggtatgc 420

tgcagaggtt ctctgtacag gaagtggact tctgcagaca gaaggggat atctcattcc 480

tgagttcaat tcactggtct ttatttttc ctaacaatat ttttattgac tatttagaaa 540

tttctcatga tgaaccccaa gcacc 565

<210> 1966
<211> 513
<212> DNA
<213> Mus musculus

<400> 1966
gataagtgca gcaccaccac tcaaagtgac atcaacttga aggatgaact gctgagttct 60

acatctatag agtgtaggcc aggcaatgat cttctggaat ccctccacaa ggaacagaac 120

agatggtaca gtgaaaccaa gacttttca gattcctcac agcacacagg cagaggtttt 180

gaaaaatatt ggttctgtta tggtataaaa tgttattatt tcgtcatgga cagaaaaacg 240

tggagtggat gtaaacagac ctgccagatt tccagcttat cccttctgaa gatagacaat 300

gaggatgaac tgaagttcct taagctcctg gttccttcag acagttgctg gattggattg 360

tcatatgata ataagaagaa agattgggca tggattaaca atggcccatc taaacttgcc 420

ttgaacacaa tgaaatataa tataagagat ggaggatgta tgttgttatc taaaacaaga 480

ctagacaatg ataactgtga taaatcattc atc 513

<210> 1967

<211> 532
<212> DNA
<213> Mus musculus

<220>
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<222> (285)..(285)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (461)..(470)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (472)..(475)
<223> n is a, c, g, or t

<400> 1967
gcttttcagg cgagctgtgt gagcaagagt ccgagtgccg gggggaccct gtccgggact 60

ttcaccgggt ccagaggggc tatgccatct gccagaccac acgcccgctg tcgtgggtgg 120

aatgccgggg cgcgtgcccg ggccagggct gctgccaggg cctgcggctg aagcggagga 180

agctcacctt cgagtgcagc gatgggactt cgtttgctga ggaggtggag aagcccacca 240

agtgtggctg tgcccagtgc gcataatgtg cgggtggcac actanccggg ctggggcggg 300

catcaccagg atagcgcctg gatcctggtg ggcacggggt cactgagctn ccttcccagc 360

ggactgcact nccggggcag aggagcaagn cccgggctgc catgccctct ctcaaagtnc 420

cttgcacaga taggcgctta ataaatattt gttgaatgaa nnnnnnnnnn annnnaggcc 480

acaaacggtg gcaggatggt ggactcctct gcctgctacc tggaactaaa at 532

<210> 1968
<211> 413
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<400> 1968
gatcaacaat gtctattcct gcctgctgna acacagtttc cagaaactaa gaagttcttg 60

ctactgaaga aaataacatc tgctaaaatg cccctactaa gtcaaggtct actggcgtaa 120

ttacctgtta cttatttact acttgccttc aacatagctt tctccctggc ttcctttctt 180

cttagacaac ctaaagtatc tatctagtct gccaattctg gggccattga gaaatcctgg 240

gtttggctaa gaatatacta catgcacctc aagaaatcta gcttctgggc ttcacccaga 300

acaattttct tcctagggcc ttcacaactc ttctccaaac agcagagaaa ttccatagca 360

gtagaggttc tttatcatgc ctccagacag cgtgagtctc agtcctacaa act 413

<210> 1969
<211> 503
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<400> 1969
ggtctggtct ggtgatcatt gtcgctgtgg tctgtgcctc cctggtgttt ctgactgtcc 60

tggtcatcat ttgctacaaa gccataaaga ggaaaccact gagaaaggnt gagaatggca 120

ccagtgtcgc tgagtacccc atgagctcct cacagagcca caaaggggtg gatgtgaacg 180

ctgcagtggt gtgaacctgc aggccctggg acccactggc cagaagggca ccgtggtgac 240

actggtggac atggatggca ggtggacatg agctgaccgt gggcctgtcc aggacttcgt 300

gcttcgcggg cttcgagcct cctgaaagag aaagcatcct cttcccaggc tnagccctgg 360

tcacccccga ggggtgcaac accgacacca ggcttgagcc aggctcccct gcatgtggcc 420

cctgagcagc accaccaccc agggatctcc atactctcct tgtctcgcat tgggcgcact 480

gactgtcacc agttgctact gaa 503

<210> 1970
<211> 396
<212> DNA
<213> Mus musculus

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<222> (210)..(210)
<223> n is a, c, g, or t

<220>
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<222> (215)..(216)
<223> n is a, c, g, or t

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<222> (219)..(219)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (241)..(241)
<223> n is a, c, g, or t

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<222> (244)..(245)
<223> n is a, c, g, or t

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<222> (264)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

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<222> (317)..(317)
<223> n is a, c, g, or t

<220>
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<222> (362)..(362)
<223> n is a, c, g, or t

<400> 1970
agctttgcag aaacccgctc ttatgtaatg caagacaaag tgacaatatg acactgctct 60

ctggctctgg ctctgctcaa gtagccctgg actcctctgc atcttagcag gatgcttcat 120

cttccgggca tcgcagaaga aattggcaag agtggggaaa cttgggggct tggcaggcct 180

tgctctgtag gcatcagcta caagtttcan tttgnnagnc ttcntctgag ggtgagtagg 240

ntgnntcagt gggtaaaggc actntccacc atccctgaca atttgacttt gttccctggg 300

acacaaggag anccaantcc cacagcctgc cctctgaaca gtcacacatc acatcatggc 360

tntcatacac ctcatttccc cagacacaaa aacaga   396

<210> 1971
<211> 516
<212> DNA
<213> Mus musculus

<400> 1971
aatagttctg tcagggcttg tgccatagtt caggagcagg gcgtgtgcct agcatccatg 60

ggcaccacat tcgttctcaa gatccacagt agcagaaagt gacagggagg attgctgcat 120

tctttagtac gttgtttgga ctgctgttaa gatctgactc agtgtgtgcc ttacccatta 180

ctggtcgaca tgtgggcttc ccaggtgcat cacaggtgag ccaaccacag ggtttggggt 240

tgcagctggc agctaggctg caggcgctgc cctgggtaca ccactcacct gaggggcaca 300

gctggccgga agggtaatca ggaagtgtgg ctccttttcc acttggcata ttacatatgg 360

ggctccctcc tgcatctaga gatgggaaac tgcctgaaga acttactctg gtttaccatt 420

tgagagagtg cagtcattta tgtcagagaa gacacctcgc atctcactac tcatgaagca 480

ccgtctcttc tgtggattca cggctcagct tgtaaa   516

<210> 1972
<211> 559
<212> DNA
<213> Mus musculus

<400> 1972
gatcgttctc cttgactttt tcttaagtgg ggtgcttatc attttgtcta ttttgagggg 60

ttccatttta gagtgtaact tctgaattat gggaaaccgt tatgtatacc aactcaaagg 120

tggcatctgt caaaactggg ttcggagtct ccgcaaggtt gctgggcata tctgccacct 180

tctaacactc tactagaagc tctgatcttc aggctccatt gccacttctg ctatcggatt 240

gtgtagaaac tgactccggc cacttggagc atgagacctc aggcttgtag taagatggtc 300

atctccaagt ggatagggtc actgtctgat catggcaagg cttgcagtta tgataaatat 360

tgttctcatc atcaccttta ttacagcatg atgcttctgg gttagggcac tcggaccttc 420

ctgaaactca acacaatcat agttataaaa gctgagtgcc tgaggtcaca ggatgagagc 480

gaactcgggg gcttctagcg tctgctcttc tgcaattcct gtctttcatg tccttctccc 540

cagactcttg tatttacaa 559

<210> 1973
<211> 381
<212> DNA
<213> Mus musculus

<400> 1973
tgtatctaaa gctgcttctc caccatttct ccatcttagc atgactgcct gagctcgggt 60

attcaaaaat tgtcagtttc tgagtccttg gctttttctc cagatacctc acacatgtct 120

tctgttagcg atatttagca gtaccttgaa aaaaatgtaa ggaccatgct agaaaacgga 180

caacaaaagt aataattact gctagtcagg acttttcctc ttctgaagaa tccatcagaa 240

gagtactgta aggctagtgt acagtgcaag gcgaaagttg atcaactcaa gcctcctcat 300

ccctgtgctc tggacggtga gacaaggttg aagcattcct ggccaattga agctacataa 360

taggacctag gaccccatct c 381

<210> 1974
<211> 501
<212> DNA
<213> Mus musculus

<400> 1974
cttgctctct ctggatctga tcgagccgct cttgcagttg ttgccactat caaatgcagt 60

atgcatgttg gtgctcacag ttctgtgcaa tgtcgtagag aagggtccag cttactgcca 120

gcggttgtgg ccaggacccc tgctctcctg cgtgcttaac acactggctc tctctgacac 180

cgaagtagta ggccagagtt tggagctgct gcagctgcta ttcttgcatc agccagaggc 240

tgcccgagcc ttcctgcagc agtcagggct gcaggcccta gaaaagctcc aggaggaaac 300

tcagcttcag gagaggatac acgcgctcca gcagatagct gctacccatg gatgacctgg 360

ctgctcaata tcacccttta ccccgcggcg tatttaccct agggtctcct acttcacttt 420

agaagctggt agctttttgt tatacctgag tgtggtgttg cacttgagat tgtcttagtt 480

catgctcttc agcaacttgg c 501

<210> 1975
<211> 372
<212> DNA
<213> Mus musculus

<220>
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<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<400> 1975
tggagagcac tctggagccc agccangacc tctagaggng natgggtggc ctctcaggag 60

tctgacagcg ccgatgccag cccgtcacng tagggaggac cttgccttct cttctagagc 120

ttggcagccc gtcctcccca gcctccagca gtgnagcggt taaccgaggg cataggtgcc 180

aacgcaaggt cacagggatg actgaacaca gctcagccgc ttctntacaa gcattccctg 240

agcgccctgt ggcctcagcc atccaaaggt gggctccagt aagcacaagt ccacccccct 300

ggggaaagcc actgcctggg anttgagatt ggaaactgac tcgtctctgg aggagttaag 360

ctggcaagcc ca 372

<210> 1976
<211> 472
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(270)
<223> n is a, c, g, or t

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<222> (272)..(272)
<223> n is a, c, g, or t

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<222> (387)..(387)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

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<222> (417)..(418)
<223> n is a, c, g, or t

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<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<400> 1976
cgagacccca gcaaaagtac catttgagac cccagcaaag gctaattctg gcttacgatc 60

tatggctctg caccccaggt gtggttccca ccagaaagag atcatgatgt gccagccagg 120

gatcctgcga cccagatctt ctctccagag acagttgtga ccttctgaca agcactggcc 180

tgttgtcagc tcncttacaa ctcatgcctc ctgnantntc ctctgagtgc naaggtccac 240

accagacatc aaaagcatag ntcatcatnn gnctccggca ccccacacca ctgttgtgct 300

gggcttccca tcccacctca gaaccagtgt tatatctctc tgtacattgt tccctccact 360

tcaaatgcca agccaggcag ccccttntnt cccgagccct gaacncacct gcagacnntc 420

ntccccaaaa taangtgtgt ccagaaagaa ttttccaaac atcagtccat cc 472

<210> 1977
<211> 53
<212> DNA
<213> Mus musculus

<400> 1977
agggcagtgg cctcatcagt ctgccaggga gacaagtaca caccttgact ctc 53

<210> 1978
<211> 531
<212> DNA

<213> Mus musculus

<400> 1978
agggcagtgt ggttcccatg aaactggggt ttacaggtgg ttatgaactg cccgcagagg 60

tgctgagaag agaattaagc acctgcccta actgctaagc ctccagccct gcaccccgca 120

cccccacacc cagcctttga tgtaggagct agggaaggaa ctcaggtctt cacactggca 180

tggccagcgt ctagtggacg gagccacctc cccattccta actcatggca atgcctttga 240

gaagcccagg tccctgttct cagcgtctct cactgtcttc ccaagtagct tgcttctctc 300

ttaatcctag ggcgtaaaat ctgtattcaa atctcttaga cttgagcttt gcttcagaga 360

agtattttaa ttcaggggct gacggcatgg ctgagtggtt aagagcactt gctgccagca 420

ctcacatgat agctcatgac catctgtaat ccagttccag ggcattcaga gcccacttct 480

gacctccaca ggtaccaggc actcttgtgg tacacatgtg tgccggcaaa a 531

<210> 1979
<211> 513
<212> DNA
<213> Mus musculus

<400> 1979
gtcatcagca acatggcaga gcctttcagt gctactgacc ccaaggccat tggccatcga 60

aactaccacg caggctactc catgtttggg gctggcctca cagtcggtct gtccaacctg 120

ttctgtggag tctgcgtggg catcgtgggc agtggggctg ccctggctga cgcacagaac 180

cccagcctct ttgtaaaaat tctcatcgtg gagatctttg gcagtgccat tggcctcttt 240

ggggtcatcg tcgcaatcct tcagacctcc agagtgaaga tgggtgacta gatgacctgt 300

atgggtgggg ccgtgcccca ctgttattta ttgctggttt tcctgggatg gctggagctg 360

tgtcccttag cctttctggg gcttggtgtt cagggccctc ctgcactcac ctcttgctgc 420

ctgttgactt tggaggcatt gcagtccaga ctgaatccca gtgtgggaag tgggctactg 480

atggtgactg tgtacagctg tgcgcccatg ccc 513

<210> 1980
<211> 573
<212> DNA
<213> Mus musculus

<400> 1980
gcagtcagtt ctattgtgaa ttccatccag gttcttgctt caaagtctgc catcttggaa 60

gccacaccca aggaggtgcc tatggtggct gtgcctccag tgggctctaa ggccagttct 120

cctgccacca gcagccaggc caaaaaagtg gatgcagctg ccaatcaggg taaaaagtca 180

gagatggctc ctgcccaggg tcaaaaggca agcatggtcc agagccagga ggcaccaaag 240

caagacgcac ctgcaaagaa gaagtctggt tccaggaaaa aaggagagcc tgtgtgctga 300

tattttattc ttcaaaagtt ggaagcaacc ctgaagaagg cattggctct tgtggctgtg 360

gcagcgcccc tgacgttgga aacacctgta tgaaggcctt cgatatcatt ctccttggtg 420

caaggccaca tgggacacaa atcctaatga gatgttgcag tagataattt ctcattaaaa 480

ttcttattta atggcctttt gaaattactg taggggcata aaattgggtc ttgatatatt 540

ttattaaatg ctgtatccct tattcccaaa aga 573

<210> 1981
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<400> 1981
gttttggagc ctgtttgact ttgtaatctc tgcctgtgat tttcttttct aaatgacgac 60

tccgtgtaac cacctggact aagttgagaa ggaaactgcc aaatgctttg ggtttttagg 120

gttttaatag gtagactctg ttctattatt aggtgttaag agtttccaaa cgtgttttct 180

tttttctttt attgtttgct taaactttga agaaatatgt gcctcagctt agatgttttg 240

tcttcccctt tctgcactta aatacctgac agcctgttcg atcnctgtnc ctccgagggc 300

gcttctagct catncgtaga tttgtgatgt catagtncaa actncagtga ccggtaaaat 360

gacctgacat gtaaccgttt tcagggaatg cagagggtgt taactaatag acnaaacctt 420

tntcccgcgt gctttgcttc accttgtgct atatagctct ttggctcgtg 470

<210> 1982
<211> 385
<212> DNA
<213> Mus musculus

<400> 1982
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tgcgcacctt ggtggaacac tctggacgtg tgtttcggct gcagtttgat gagtttcaga 180

tcatcagcag ctcccatgat gacactattt tgatttggga tttcttaaat gtgcctccca 240

gtgcccagaa tgagacccgc tctccctcca gaacctacac ctatatctcc agatagcagc 300

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tgcctaaggg agttcgttca cagct 385

<210> 1983
<211> 140
<212> DNA
<213> Mus musculus

<400> 1983
attatgattt catctgtgtt acacctttac catataatgc ttctgagagc tgggaaagaa 60

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taaccaacct gatcagtgat 140

<210> 1984
<211> 567
<212> DNA
<213> Mus musculus

<400> 1984
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ttgtgtcctg actgagtgta gaggtcagag gactgcttca gcagtgagtg ctcccctccc 180

tcaggggtc ctggggacca agtgaacgga gaagggcagg catggtggcc cgcatggcta 240

ctgagctgtc tcactgccct cagttaatct tctccctcca gagtcttact ttatttatgt 300

gtagtgcatt ttgcctgtaa gtgtgtctgt gcactgcctg cattccttgt gcctgcagag 360

gccagagaag gggctcatat cttctcaatt cattttaag atcagaatca tatagcaacg 420

tgagtgcaat cacccttta aagattaacc tcatcctgac gtgtgtgtac atgtgcgacc 480

tcagcaccgg gaggtagagg caggaggacc agagtttcag ggttatctat gactgatgta 540

gtaagtttca gaccagccta ggccact 567

<210> 1985
<211> 345
<212> DNA
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<400> 1985
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accaggtcac caaccaggca cctgccagcc tctgacctgg gaaatacaaa ctctgtgact 180

tctcctcaac tgatgttctc tgcctactga aggtcactca gaagccatct cgctgtgatt 240

ctttaacccg atcctcgact ttgctgggcc accctcacag ctgggatgaa aagagctggt 300

tcagaggaag ccctgaacat gtacacatcc atgactatgc acgag 345

<210> 1986
<211> 576
<212> DNA
<213> Mus musculus

<400> 1986
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aggtcgtgta tgtgtgtgca tgggtgtgaa gacagtttat ttgctgttgc tcagtaagtg 180

tgagggcctt catgtatgtg tgtgcacggg tgtgaagaca gcttatgtgc tgttgcttgg 240

tcagttgtct tgagttttgg aaggtgtttt gtattgtttt tgagaacaag tctctcgctg 300

gttggaacca attaggctgg actggctggc cagtgagccc cagggatctg cctgtttctg 360

cctcccctat gctggagtta agggcattat catagccaac ttctttatgt aggttctgga 420

actaaaactc agatcgtcat gcttgcaagg caagtgaaca ctttaccagc agagctgttg 480

tcctagctct ggctaattgg aattatgtag accaagctat tctcaaatat tggacagtct 540

tcctacctct gagcacagat tccatttggc ctagga 576

<210> 1987
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agctggctgt tgcaaaggnn nnnnnctcag actttgtaat ataaggctgt tcatctctca 180

gaaccgccat cattacattt gaaatttcta tgggggatta tttaatgaaa aacatgctat 240

gttttatttt aagctgaagg cctattctgg atagttctac tttggggaaa aaaatgttat 300

catttaattt cctttctgta agttaaaact aatgaagtgt ggtcatgtca gagcagacag 360

agntgttctg ggcatgctga ttggccctgg ggtagttaca ctgtttgggg gtattcttgc 420

gtatgcagac aggacactcc ttgtctcgag agacagcaca gccntgaagc actgaagctg 480

cattccccac tggcctgact tggcctcaca tgaaccaaa 519

<210> 1988
<211> 310
<212> DNA
<213> Mus musculus

<400> 1988
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tattgagctg gcctctgcct tcaccgtggt gattgcctcc aacatcgggc ttcctgtcag 180

caccacgcac tgcaaggtgg gctccgtggt agctgtgggc tggatccgct cgcggaaggc 240

tgtggactgg cgcctcttcc ggaacatttt tgttgcctgg ttcgtgactg tgcccgtggc 300

tggactcttc 310

<210> 1989
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gggcaaggag gagcctcctt catccaccaa gactaacaca gtaatcattg ctgttccggt 120

tgtccttgga gctgtggtca tccttggagc tgtgatggct tttgtgatga agagnaggag 180

aaacacaggt ggaaaaggag gggactatgc tctggctcca ggctcccaga gctctgatat 240

gtctctccca gattgtaaag tgtgaagaca gctgcctggt gtggacttgg tgacagacaa 300

tgtcttcaca catctcctgt gacatccaga gacctcagtt ctctttagtc aagtgtctga 360

tgttccctgn gagtctgcgg gctcaaagtg aagaactgtg gagcccagtc cacccctgca 420

caccaggacc ctatccctgc actgccctgt gttcccttcc acagccaacc ttgctgctcc 480

agccaaacat tggtggacat ctgcagcct 509

<210> 1990
<211> 317
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (155)..(155)
<223> n is a, c, g, or t

<400> 1990
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tacctggaac actggttgag catgganggg acaaaaaggt gcccggctgc ctcgtatctt 120

ccatgtcaat tggttccgga gagatgaagc aggcngcttc ctgtggccag gctttggaga 180

gaatgctcgt gtgctagact ggatctgccg aagattagaa ggagaagaca gtgcccaaga 240

gactcccatt gggctagtac caaaggaagg agccctggac ctcagtggcc tcagcgcagt 300

ggacaccagt cagctgt 317

<210> 1991
<211> 441
<212> DNA
<213> Mus musculus

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atggtcatca ttacccccca ggaccgcaga agctctgtgt ggacacagga tggaccctca 180

gcccagatcc ttcagcagct cgtgagcctg gcggctgaag ccctccctat cctagagaag 240

cagctgatgg atccccgggg gcctggggac atcaggaccg tgttccggcc acccttcgac 300

atgtatgatg tgctgatcca cctgactccc cgccacattc cccggcaccg ccaagctgta 360

gaccctccag ttgcttcctt ctgccgtggt ctgctcgctg agccagggcc ttcgtctctg 420

atgcctgtcc tgggctatga c 441

<210> 1992
<211> 79
<212> DNA
<213> Mus musculus

<400> 1992
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ctggaagggc tgcttcaag 79

<210> 1993
<211> 227
<212> DNA
<213> Mus musculus

<400> 1993
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gcctagctcc atggcttcct tcaggcaaac actgctccac tggacccttc ttccatcaag 120

gactctggga aagcagggct tgagcatttg tcactgcagg cttgggttcc ctccttagac 180

tgtgtggtac ctgtggcacc gagtgtctgt acttgagtgg gctctgt 227

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (503)..(503)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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attctatggc tagaaaatag ttacctcctc tctgaaagtc ttcttcctca tttctgggta 180

acagaatatc aaacaccttg cttataagtt ataaagtagt gttgtccacc atgaacccac 240

caagtaaaaa caacccaaat acctatcatg gatgnatnat ncntncnagt ntcagatntn 300

cactcaatgc cacacnatga caaagatagc aaatgagccn cagacggctc cacccaaccc 360

natagatgna cacttggttc aaaatcanta aanctcaaat antcccagnt caaacaccag 420

gtaacaagtt aatactcaac aaaggggggaa aacaaatgtt ccactgantc ctgtgaccct 480

gtgggcgtgn ttcacctcct ntnttgtttn ccatgtgtgc tcaggatgag ctgat 535

<210> 1995
<211> 561
<212> DNA
<213> Mus musculus

<400> 1995
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gcatggatcc tcacaatctc ccagaaacta cagggttcat gactcacaac agatggtatg 120

ggtcctgact ggaaatactt taacagcagt tcctgctagc aacaatgtca agcctgtcat 180

tcttagcttg atagcatgta gagacacgga attccaagat gtaaagaaag gtaatctagt 240

tttcctggga atcaagaaca gaaatctctg cttctgctgt gttgagatgg agggcaaacc 300

aactttgcag cttaaggaag tagacatcat gaatttgtac aaagagagaa aagcacaaaa 360

agcctttctg ttctatcatg gcatagaggg ctccacttct gtctttcagt cagtcctcta 420

tcctggctgg tttatagcca cctcttccat agaaagacag acaatcatcc tcacacatca 480

gcggggtaaa ttggttaaca ctaacttcta catagagtct gagaagtaaa tccaacatgg 540

gtcatatgtg gccagctcca g 561

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<211> 567
<212> DNA
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<223> n is a, c, g, or t

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gccaggtacg aatttggccc nnctctgttc gtcggctggg cctcggccgg cctggccatg 120

ctgggcggtt cctttctctg ctgcacatgc ccagagnccg gagagggcga acagcatccc 180

ancagcccta tcgctctgga ccctcaactg ctgccagaga gtacgtctga gtctgcctac 240

cctgcccagc ccctctccc cagcaaccct cttgcccaga actcgagcca gactaaacaa 300

taccctgggc agggtagatg gggtatatgg atcccttgaa ctcggtctgg agctccaaac 360

acctggtcct caacatagcc tctgagtcaa agagantcag acnntcaaag agagatcaga 420

ggcaagaccc agcccacacg tgacccagta aggaccaggc ntattctgtc gacaccagaa 480

tgaggaccag gatttattca ctagcttagc caccagctcc ttcatttgcc aacgtatttg 540

ctgaaggacc catctgcctg atacagg 567

<210> 1997
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<212> DNA
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<223> n is a, c, g, or t

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cctgagccgn ctgcnccnca tcccggggcc aactcctgaa ccttttacca ccgtgtcgat 120

tccggggcct cgggctcctg cgccaccctg gctgcctagc cctattggag aggaggaaga 180

gagtccggcc tgagatcctg ggaccaggac ccctacggac acctacctaa tcctgcactg 240

gacatactgg cgaccaccag ggtctgcaca agctagctag gccttcagaa agccgaccta 300

ctcattttga ccagcggaat ctcccactgg ggctggtggt tttaggggtc catattctcc 360

cagctgttgc tgcttccctc ancccagcc ccccactctt taagaggttt tgccttcnaa 420

acaccaccac ctgacctgnt ggcctctgtt ggtcttctga ccgtaccttg ggttcttccc 480

ttcgagtgga attgacggcc tacctcatga aattgt 516

<210> 1998
<211> 393
<212> DNA
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<223> n is a, c, g, or t

<400> 1998
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acaagattca acactcaatg ggagaccagc ctggggcctt atcgatggtg gccagntgac 120

naccncanan tccctnnata gtnngntcct ncntgatntc cncnagncan ctcccnnatn 180

nnngatatat ntggngaacc ctgatatgcc anctancatc acaaccccca cntcaggagg 240

acaagcttgg tgtgtgtatg tgtgtgtgta aaangggcgg gggntggggt ggggcaggaa 300

tacccagtgt gacacactgg gtangggnca gctatggggc agggnactca ggacacagtt 360

tgatcttctg gttccataac acgactatgg caa 393

<210> 1999
<211> 528
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (140)..(143)
<223> n is a, c, g, or t

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<222> (289)..(289)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 1999
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tacaagacat ccagacgggg ctgcttcttt ggttttgctg tttngtttgt ttgtttgttt 120

ntnnttctnn ctttctttcn nnntttcttt ctttctttct ttctttcttt ctttctttct 180

ttctttcttt ctttctttct ttctttcttt cccaatataa ggacattgaa gggtttgatt 240

cttcatggtc agatgttaat atgaatgaat ggcagcatgc tgtgggcana tatttcccta 300

tcttgctaaa gaatgctgca atagtgtcag cttcattttt acttttcca ttgtctgtgt 360

gtgtgtgtgt gtgtgtntnt gtgtgtgtnt gtntnnnnnn nnnnnnnnnn nnnntccttt 420

tgaaggaaaa ttgtttntgt agttcaaata cgaaattcag accaaataat aagccaggta 480

taaattggca aaatgtattt ttntgtttct ctctgtaact aagcaaca 528

<210> 2000
<211> 416
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<400> 2000
aagtgcatct ggagaccagg ttctctgcca accaactatg agctctacta tggctttaca 60

agatttgctg tggagctcaa tgagttggac cccgtcctga aggacctcct tccccccaca 120

gatgcccgat tccggccaga tcaaaggttt ttggaagaan nnaacctaga agccgcagcc 180

gcagagaaac aaagagttga ggaactccaa agatcgcgaa gacgctacat ggaggaaaac 240

aaccttgaac atataccaaa atttttaaa gcttgtgtct gctcagattt ggccccactg 300

tggttagacc aaagatgatt actacaggat tatttaaagg attatataaa catcacacag 360

atgagtctgt ggtttccaga tccatcatct gtcatcctcc tgagcatgca caggaa 416

<210> 2001
<211> 530

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (494)..(494)
<223> n is a, c, g, or t

<400> 2001
tgcaccgcca catcaaacgg cagagctgcc gcatggcgcg accccggcgt ggtcgcaagc 60

ccgcggcctg gagggccgcc agcctgctct tcgggcccgg tggcccctcc gccgacaagg 120

cagccttcgt gatgccaccc gcgctgggcg acgtgggtgg ccacctgggc ggcacagccg 180

tgtgcctccc gggccccagc cccgctaagc acttcctggc ttcccccaag ggcaccctga 240

gcctgcagga gctggaaagg cagttcgagg agacgcagat gaagctgttt ggacgggcgc 300

agctcgaggc cgagaggaat gcgggtggcc tcctggccct ggcgctggcc gagaacgtgg 360

ccgccactcg gccctacttc ccattgcccg acccctgggc ggcaggtctg gctggcctcc 420

ctggtctcac cggcctcaac cacgtggcct ccatgtctga agccaacaac taggctggcc 480

ctggtccacc ctanacccaa accctgtctt aagtccctct aaggcctgcc 530

<210> 2002
<211> 561
<212> DNA
<213> Mus musculus

<400> 2002
atggagaaac atccctgtgc tacagaattg ggggtgggac agctgagggg gcaggcggct 60

ctttcctgat agttgatgac aagccctgag aatgccatct gctggctcca ctcacacggg 120

ctcaactgtc ctgggtgata gtgacttgcc aggccacagg ctgcaggtca cagacagagc 180

aggcaagcag ccttgcaact gcagattact tagggagaag catcggggcc tcgtgagcca 240

ggccccgtag ccagtgccct gctttactcc agccttggtc aggaagtcga aagcccttgg 300

tgtattcctg gtctcggagc aaataatgag ccagcaccct gaagggtggg ctccaactca 360

gacatgcagc cagcccccta ggtgggtaaa cgccctaggg acctagggag agcctttgct 420

gcagagattc ctaagcaaaa cggcgtggtg gagctttggc aaccctagcc ccagctaact 480

ttggacagtc agcatatgtc cctgccatcc ctagacatct ccagtcagct ggtatcacag 540

ccagtggttc agacaggttt g 561

<210> 2003

<211> 192
<212> DNA
<213> Mus musculus

<400> 2003
aatgacacga accttcctga ccagtgtaac tcatttttac acaacaaggc ggagtggagg 60

tgtgaaattg aggcaaccct tgagcgactg aagaaactag agcgagatct cagctttaaa 120

gagcaggagc tcaaagaacg ggagagacgt ctcaagatgt gggagcagaa gctgacggag 180

caatccaaca cc 192

<210> 2004
<211> 47
<212> DNA
<213> Mus musculus

<400> 2004
ctgcctctct cttgcctgtt gacttccact tgtaccggcc acaggag 47

<210> 2005
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<400> 2005
gagattatgt actgtatgct gccattcttg tcttttcctt tcttttctgt ttgactacaa 60

gtactacagt atgtagtgtg aatgctgagg gacaaacatt tctgtttgtg ttgcgctcac 120

ttctggacat ctaaatactt aagtaaaaat atacaaatac ttcttgatgt gatgattggg 180

ctgtgtccct taaattgatt gaaagttgaa gtatgtaagc tgaaattgca tttaaagcta 240

tcagtctgct gcccattaat aacagcaaag cctcctatag aatcttgatc atctcccgct 300

tgtatggtta gattttatgt gattttgtga ctctctgntc ctnnccancn atnccnggga 360

ntattgtact acatacatat tgttaactca ggaagaaatc ataattagan atatgaagna 420

tgatttctac tgngtccata ttgtttttac ctcatagt 458

<210> 2006
<211> 544
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<400> 2006

gggatctaat gtgcctctag ttaactatga aacttaacta ttttccttcc ctggtgacct 60

gcactccagt gattagaagt ccagccttac ctgtgagaga gctcctggca tctaagagan 120

ctctgcttcc tcatcntccc caccgacttg ttcttccttg ggagtgtgtc ctcagggaga 180

acagcattgt tgttcctgtg cctcaagctc ccagctgact ctcctgtggc tcgtaggact 240

gaatggggtg aggaagagcc tgatgccctc tggcaatcag agccggaagg acttcaaaac 300

atctggacaa ctctcattga ctgatgctcc aacataattt ttaaaaagac ctgcattaaa 360

tgtttccatg gaacaatgac caactttaac acaaaacaca atggagcatt ggtgtttagt 420

tggtagagct ggagaaaaga taaatcccta aaacatgcca gccagcgtag catggcagtg 480

ctgtccacag atggtggtgg gtggtgacgt cttcttcagg tcccagtgac gtgtctgtgt 540

gtga 544

<210> 2007
<211> 451
<212> DNA
<213> Mus musculus

<400> 2007
acacagattt cattgcagca gccgcgccca gcccagggaa gaaaggatgg gaaacccccg 60

aggtcttcct tgaacatcag gcttccaggc cccgttatct tcgccccagg aagggtgcat 120

gggctcccac tttaattttt ctcttccaag tctccagatt ctggaactcc cgtgtctttt 180

tcttttctca cttgcacccc tgcacctcgt tatgacccct atttttctgg gattttcttg 240

gtcctcattt tctgactctc tcccacaacc cactccaaaa ggtagtacct caaggcttct 300

cgcactcccc tatttcctcg ggatatgaga agcctcgata aacatctctg ccgttcccca 360

tccctatatc aacactctgg cttccctttc tcccatatca cactctggcc caaggacccc 420

agcctgtata tatccctttc agccccatta a 451

<210> 2008
<211> 332
<212> DNA
<213> Mus musculus

<400> 2008
gtatgccaga taccactgag ttcaatgttc aagtttccca ttttttcctg tgggtatcca 60

tggttagcct aaaacactct attagaccag atgtccttga atttaaaagt cttctgattc 120

agccttctaa atactagaat tactggtgag taccatcaat tttcaatctt tctgactcat 180

tctctgtagt cacttagctt ctgacatatt ccaccatgga cagctccatc ttcagctgtc 240

tgagcctatc tatacagctt tggcatctga tgccatgccc cttcgtctgt acaaggttgt 300

tgaacactgt gctggttgct ggtaatgatt ca 332

<210> 2009
<211> 240
<212> DNA
<213> Mus musculus

<400> 2009
taggccgtgt agtacacata attcagtcaa gggaaccatc acttaaaaac tccaaccccg 60

atgagattga gattgacttt gagaccctga agccatctac actacgagag ttggagcgat 120

atgtcacctc ctgtttgcgg aagaaaagga aacctcaagc tgaaaaagtt gacgtgattg 180

ctggttcttc caagatgaag ggattctcat cctctgagtc ggagagcacc agcgaatcca 240

<210> 2010
<211> 258
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<400> 2010
tgtggctggc ccagttctct tgactgtcta ccagctgggc tggccnctcc cctcagtgga 60

cttcagggna agcatgtggc gcnagcagcc actttttctg ctcacaacct gcttgggcct 120

cagactggtg aagctgctgc aagggcagag aggtgcaccc cgtcgagcaa cctacgctca 180

ccagccaaca gatacctgct gaccacacag cttggacctt tagctgggac ctagcatctc 240

aaagggtgcc ttctgttg 258

<210> 2011
<211> 550
<212> DNA

<213> Mus musculus

<400> 2011
aacaaatgct gcactccctg gaggagttat caccagctcc aagtgcacag accttaaatg 60

ctacctgttt ggaagtggca tccgaggaag gaaggagcat tgatgggagt cttgaaaaca 120

ctacagaaga aagcagcccc ccaacaccaa gccagctttc agtagcaggc cctgtgtggg 180

tttctgtcaa ggggccatcc atgaagagtg ctctgatgga aggagaaagc cacactcgga 240

tcctgactcc agtctccact gtgctggccc tgcttctaat tgctgctctg atcctattga 300

aaaggagcct tggcagacag aggacatctc agaagaaaga aagggtaccc aggatcactc 360

taattcagat gacacatttc ctaccagata agctccctga tgagggaaag aactttcaac 420

agagtgacct tcttcctccc caagccagcc tgaccgtcct ggagaatgac ccaagaccct 480

gatgatggaa aggtaaatag ctcagtcacc atgaagggaa gaccaaatcc aaacagcttt 540

atcctcttct 550

<210> 2012
<211> 158
<212> DNA
<213> Mus musculus

<400> 2012
gctggacacc ctgatcagaa gcttgttgaa aggccgagcg tctgatggct tcccggtgta 60

tcaggaaaag atcatcagag aaagcatccg gaagtttcca tactgtgaag ccacactcct 120

acagcagctg gtgcgaagca tcgctccagt tgaaattg 158

<210> 2013
<211> 405
<212> DNA
<213> Mus musculus

<400> 2013
tagatagcac atgggccttg ttagcagtgg gtgagctggg caagcccgtt gtcctgtgag 60

gtcaggacag tgcctcagca ggtcacctct tcctttcctc actgggcttt agaattatgc 120

tgtgcagagt cattcacgga aaactgggct acgcttccct tttccttctt gccctctgta 180

agcttgtgag ggcctcctgg gagtccgcag agtcagatga agtcagtgtg aggccagcct 240

gccagccgtg ctgtgcctgg gagactggga gagcacacct gctgaggaag gtggagacac 300

cacagacagg acggagtcca cctaggccag gcagctgtga ggagactcag ggtctggaca 360

ccacctcctg acctatagat ggagatagtt tcatacttcc tggaa 405

<210> 2014
<211> 153
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<400> 2014
ttacacagca caagatccgc acattggaan gggganggaga agactttgac cctgatcaat 60

gtgtactgcc ctcacgcgga tcctgggaag cctgagcggc tgaccttcaa gatgcgcttc 120

tatcgcctgc tccagatgcg agcagaagcg ctc 153

<210> 2015
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<400> 2015
aagattgggc atcaggcctg tgtcctcact gcgcaggaag tctttcccag ctaaccaagt 60

ggcagcttct ggtgtcaaaa atcaagtccg ccttgacagt cctcaacaac atggccgtga 120

gaagaaagga agggaagact ggccgatctg agtactattc aaatgatgaa tgacagagat 180

ggagccaaac ttaaaagcga atttttttgaa agctacagaa gattcatttt agctccttcc 240

ctggcttccg tagataatgg gttgtaacct gtaagatcaa ataacctttc ttcccccaaa 300

tngatttngg ttagtgcttt atcacagcaa tggaaagtac caaggtagtc aagaatcctt 360

cctgctgtct ccattgttgc acattcttac ccccgtnccc atctctgcca gtgtgttctt 420

actgctggat tatgggnaat gctccctttt cacccaacat tccagttctt ccgattgttt 480

g 481

<210> 2016
<211> 364
<212> DNA
<213> Mus musculus

<400> 2016
caagtctgtg ctgttgccaa gaaggatgcc ttctggagac tcgacaagac agagagcaag 60

atcccagcac gtgtggtctt ccagatctgg gacaatgaca aattctcttt tgatgacttt 120

ctgggctctc tgcagctgga tctcaaccga atgcccaagc cagccaagac ggctgagaag 180

tgctccttgg accagctgga tgacaccttc cacccagaat ggtttgtgtc ccttttgag 240

cagaagacag tgaaaggatg gtggccttgt gtgacagagg agggcgagaa gaagatgttg 300

gcgggcaagc tggaaatgac cttggagatt gttgcagaaa gtgaacatga agagcggcct 360

gctg 364

<210> 2017
<211> 521
<212> DNA
<213> Mus musculus

<400> 2017
ctgcttttgt tgagtacctg agatcagttc ccagcatcca catgggtagg ttcacatctg 60

cctgtaattt ccagctccag gtaatctgtc atcctcttct ggccttcatg ggcaattgca 120

ctcatgtgca catatccact cattcacata catatatata taattaaaat ttaaaaaatc 180

aattcttaaa attacctttc ccaagtccag cttaatcaag ctgtgagttt attgggatta 240

cttacaggag tatgggtgag gagtgactta taaaacaagg ctgactccag acagctgcat 300

cactgaatgg ccatctgagc ctggctcatg gctcagaaga gcggcatccc tggagctctc 360

tatacaactt gcagtcagct tgaaaggcca aagactctct tcctcatagt tgtgaactac 420

ttctatagct ttagaatggc tggtgaatcc tgtaagtttc aggaactttc taagacttgt 480

gagctgttta tatcctgagc cttaaggagc tttcttcagg a 521

<210> 2018
<211> 421
<212> DNA
<213> Mus musculus

<400> 2018
tatcagtttc tggaagggtt gccccccctgg tcaggtttct tccttcatcc tgcaggatgg 60

gttgaccagg tggatgctgg caggtacgtg gttggtttgg cagtagagaa attgcgttgt 120

gtcttctcat tcccggaagg agagagtagg ggacggggag aatgcagact ttccagactc 180

atcagcaccg tccagctgat ttgggcaaca cagtgatctc attcagaagc tggaagttca 240

ggtcaggtgt gtttagccgg atggcagagc tggcaattat tttggatgca gacatggctg 300

gtagatagac ttggccaccg ctgagtggtt tgatctgtgt attcatttcc tttattttga 360

ctaaatatac catgcattta gaagcttcat ccctctatgc cgtggatctg aagggactgt 420

c 421

<210> 2019
<211> 526
<212> DNA
<213> Mus musculus

<400> 2019
caacatgagc agtggtcccg agcctccatt cttcaaaaat ctaatagctt cacttattcc 60

taatattgcg gatagagcac caattggcaa acattttggg gatgtcttgc agccagcaaa 120

acctgaatac agagtgggag aagtggttga agttatattt gtaggcgcta acccaaagaa 180

ttcagcagag aaccagaccc atcaaacctt cctcactgtg gagaaatacg aggactctgt 240

agctgactgg cagataatgt ataacgatgc ctcctgggag acgaggtttt attggcacaa 300

aggaatactg ggtctgagca atgcaacaat atactggcat attccagata ctgcctaccc 360

tggaatctac agaataagat attttggaca caatcggaag caggaacttc tgaaacccgc 420

tgtcatacta gcatttgaag gaatttcttc tccttttgaa gttgtcacta cttagtgaaa 480

agttgacaga tattgaagaa aagcttttct ctgtgcacat tataga 526

<210> 2020
<211> 573
<212> DNA
<213> Mus musculus

<400> 2020

ttttcaagat gacttctcag ctggggctgt catgcctggc tgatgttggt agaagtgggt 60

agggagggag aggtaaaggt tgcttaagca acattcatga tgatgtttcc tgtggcatta 120

tgaaatccag aaagatgaac tcctaaggat ttaacacttg aagctagttt cttcagtggg 180

agtcttgacc ctggggacca gggattaaaa gcagagagca tgaataacat tcataggaac 240

agacttccat ggattcacat gcaaatgtaa atctttgtgt gactgtatgt ggtgaatggt 300

tgagtatttg tacattaatc gagctagact ttattacaca ttcaaggttc tggaccttcc 360

ttaaaaggta agagcactgg cctataggaa gctacccata aatgatagaa agagttgaaa 420

tgtgagccag gtgaacttgt tctcctggag gcttctgctc tgaacacttt gctttgatga 480

atttgaataa ggcatggatg aagcaagcca cattatctct ttcttctcaa cctccccttc 540

caccctcta tcctttgtat gtcctaacct ctt 573

<210> 2021
<211> 571
<212> DNA
<213> Mus musculus

<400> 2021
gacttacctc atcctgtggt gattaagccg ggggatgaac tgctgataga atgtcattac 60

cagacactgg atcgtgactt catgactttt ggaggtgcca gcaccattaa tgagatgtgc 120

ctcatcttct tcttctacta tcccagaatt aacatctcca gttgcatggg ataccctgat 180

atcatctatg tgaccaatga gctgggggaa gaagcatcag agaatcccat ggagaacctg 240

atggtcctgg ataatgtgga gtggactcca gagaacatta agaaagctga gaaagcctgc 300

aaggagtccc agcagacagt attgatcaag accattgatg aagaagtaga aaatacaaca 360

ggttggattc ctgatattat accaactcct cgaggaccat gcgtagagtc tactggaggc 420

aaggtggaac ctcaggacaa taccccggca ggcttcaggg ctgtaccact ggccctctct 480

ggctccaata ctgctactct gaggcccctg cccatgattg ctgtactgtt cctgcagggt 540

agcctctcgt gtctccttgc aatgctgcag a 571

<210> 2022
<211> 577
<212> DNA
<213> Mus musculus

<400> 2022
aagaacaact cttcttccat ctcatcaccc agtccttaaa tgccccacct tagtacaggg 60

tagggttagc ttttgacttg tgttagcttt caacttcttg gcttggtttt cttttgtgtt 120

ttggtctaga caaaattatc cttggtataa gaaaaggaaa taaagtttta aaaatgttgg 180

gctactacta gcacagcaat cactaacatg acaaaagatg actcatttca tgttaatttt 240

ccgagctcaa gatacatcac tcaccgctcc attcctcggg ttcacgttca tatctgtctt 300

ttcatctgca cacctggaca cgtgcacact cttcctttgc ctaagcttta gctatgcaca 360

gaggtaatgg atcgtcagga gagcctggca ggtcttgggg caagggcatg acagccacag 420

acagggaggg ttgtaacctg tgcctgggca tcctgaaccc actggacacc ccacacatca 480

cctgcatggt tctgcatact gtgctgcata tcagatcaca gagaggcctc aaacccccaa 540

cccattcata gggaatatca agtttccttt ggcaaga 577

<210> 2023
<211> 580
<212> DNA
<213> Mus musculus

<400> 2023
gcatctttgc aggatttgtc atctcatata atattccacc aaccaacatt ccaatcctca 60

caataccatg atttttaaaa actacagccc taattatttc agcattagga ttcctaatcg 120

cactagaact aaacaaccta accataaaac tatcaataag taaaccaaac ccatactcat 180

ctttctcaac tttactgggg tttttcccat ccattattca ccgcattaca cccataaaat 240

ctctcaacct aagcctaaaa acatccctaa ctctcctaga cttaatctga ctagaaaaaa 300

ccatcccaaa atccacctca actcttcaca caaatataac cactttaaca accaaccaaa 360

aaggcctaat taaattgtac tttatatcat tcctaattaa catcatctta attattatct 420

tatactcgat taatctcgag taatctcaat aataataaaa atacccgcaa acaaagatca 480

cccagctacc accatcattc aagtagcaca actatatatt gccgctaccc caatccctcc 540

ctctaacata accccaacat catcaacctc atacatcaac 580

<210> 2024
<211> 520
<212> DNA
<213> Mus musculus

<400> 2024
gagaggctag cataccacca ctgaatccca aagcccagga agaaggtgaa aggttcttta 60

acctggagga tacgctgggc agacaaagcc agatcctaca ggccctccag gctctctcca 120

ggcagatggc ccaggctgag aagcactgga aacagcagct ggggtctaca gtccaagtcc 180

ggcctgaggg aggctgggga agcagctgcc cggatggctt caggagcaca cgtcttctac 240

ctgcctgtgg gcactaagca tcacttttt gaactggacc atatcctcag cctcctgcag 300

aaggacctcc ggggtctggt gcaggcagga gctggacaag aggcttcagg agtacctgtc 360

cacaggaagc ctttctctag agcctgcatt acccatcacc aggacgatag gggttctgag 420

gagacagccc atctccccca gcatgcaagc ctgacccagc tcaaagccat gtcttactgg 480

ggaaaaaaaa tgggggatag aggatttagc cagtgcccac 520

<210> 2025
<211> 366
<212> DNA
<213> Mus musculus

<400> 2025
taaacacagc ttgcatgact tcctctgtga atagtgaggc ttcactgacc aacacaagtg 60

aagaacaacc agaacaacca aaaaaaacca taggagtgaa aattcagcaa aacataggtg 120

tgatcgcagc actagctgtt gcagtgcttg ctgcgggcat ctccttccat tacttcagtg 180

attagagctc cctgatcatc cagaaatcac ggatcaacag ctacagaaaa taacgacatc 240

aatgtccacc tgcactgaag ctagcaagca gctctgctac gttaacatct gttagatgtg 300

tttctgactt acatgaaacc accagctgcc ttgtttagcc ctgctttgat tatctggccc 360

aggttt 366

<210> 2026
<211> 409
<212> DNA
<213> Mus musculus

<400> 2026
gccacactat acacagcttg aacataggag acctcaaagc ctgtccccac agtgacaaac 60

ttcctccaac aaggtcatac ctcctaataa taccatttct tatgaggcaa gcattcaaac 120

acatgagtct atgagggcca aaccaattca aaccaccaca ggttaacaat tgccctctgc 180

agctctctgg tggaggccct ccttgagagt aagtaacaat ttagatgaag gcaagtcctg 240

gtatcaggtc caaaagaaac tcaggatgaa tggtccactg tggttcctat taacatactg 300

aagaacatga cctcacctta cacgtctcca cctcactgac ttcccttccc ctagcttctc 360

attcccaggt aaccctgcca ttttttggta atgtgccttc ttggttctt 409

<210> 2027
<211> 313

<212> DNA
<213> Mus musculus

<400> 2027
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cggggccggg gccgggcgcc gggggcctcc cacttattct acacctctca tgtctcttca 120

ccgtgccaga ctagagtcaa gctcaacagg gtcttctttc cccgctgatt ccgccaagcc 180

cgttcccttg gctgtggttt cgctggatag taggtaggga cagtgggaat ctcgttcatc 240

cattcatgcg cgtcactaat tagatgacga ggcatttggc taccttaaga gagtcatagt 300

tacgcggccg caa 313

<210> 2028
<211> 231
<212> DNA
<213> Mus musculus

<400> 2028
ggaatgaaga agctctactg caagctctag taacacatgg acccattgct gttgcaattg 60

acggttcaca tgcatccttt cattcatatc ggggaggtat atatcatgag ccaaagtgca 120

gaaaggatac tctcgaccat ggtttactat tggttggcta tggctatgaa ggccatgagt 180

cagagaacag gaaatattgg ctgctaaaga acagccatgg tgaaagatgg g 231

<210> 2029
<211> 496
<212> DNA
<213> Mus musculus

<400> 2029
ggaagaacca cctttcgtgc attatctgaa cacatttagc agcaaagaac cgcaacgggg 60

tatgggtttc atgcccaagc ggggactgga tgtcagcaaa tgtgaaatcg ccaggttcta 120

caagctgcac gaacgaaagt gtgaacccat catcatgact gtaccgcgaa agtcagacct 180

gttccaggat gacctatacc cagacacgcc tggccctgag cctgccctgg aagctgatga 240

gtggctatca ggtcaggatg cagaacctgt gctcatttcg ctgaaggaag gctacgttcc 300

ccccaaacac cgtgagcttc gggtcaccaa acgcaacatc ctagatgtgc gcccgccggc 360

cagtcctcgg cgcagccagt ccgccagcga ggccccccttg tcgcagcaca ccctggagac 420

attgctggag gagataaagg ccctccgaga tcgagtgcag gcccaagagg agcgcatcac 480

tgcgttggaa aacatg 496

<210> 2030
<211> 219
<212> DNA
<213> Mus musculus

<400> 2030
gtttatacag aagtggcatc tcccaatgat acggcacttc ccccgaccca ccgtgctcat 60

tgccctcaag actgcttcca ggacccacgc ttggcaaaaa tggaataata caagtgtcgg 120

gaagagtttg aggggcccat tgctggtagc atagcaccgc aaatttaacg gcctcacgtc 180

gtgcagcgct cttccctgct caacatttcc tggtggaaa 219

<210> 2031
<211> 520
<212> DNA
<213> Mus musculus

<400> 2031
gaatagttat ttctgcggtt tcttaaatac ccaatataaa aatgaaaatg ggtgtctggc 60

attgaacttc tttactgctg catacctgat gtttttgttt gtggtcctct gtctgtccag 120

cctggctctg gtggccaggt tgttctgtgg tactgggcag ataaagctta ccagattgta 180

tgtaaccatt attctgagca ttttggtttt tctcctttgc ggattgccct ttggcatcca 240

ctggtttctg ttattcaaga ttaaggatga ttttcatgta tttgatcttg gattttatct 300

ggcatcagtt gtcctgactg ctattaatag ctgtgccaac cccatcattt acttcttcgt 360

gggatccttc aggcatcggt tgaagcacca gaccctcaaa atggttctcc agaatgcact 420

gcaagacact cctgagacag ccaaaatcat ggtggagatg tcaagaagca aatcagagcc 480

atgatgaaga gcctttgcct ggcccttaga agtggctttg 520

<210> 2032
<211> 290
<212> DNA
<213> Mus musculus

<400> 2032
tttggttgtt tctctggcca agtgtctgga gggtacaaag ttgctggcac accttaagaa 60

gtgtggtgac ttggaatgtg aaactttgat cagccgagtc ttagccctga gagattacac 120

aggacccgac tgtcggtacc tgaacttcac tacgggagaa gagatatctg tttatgttaa 180

acttggagga gacagagaag atttgtgggc aggaagcaaa ggaaaagact ttggatattt 240

tcccagagat gcagtccaga ttgaagaggt gttcatatct gaggaaattc 290

<210> 2033
<211> 350
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<400> 2033
tgaagaactc ttcaggtcct gttcccacct tacctgaagg cattacagtg gcatacacag 60

tcccaaagaa gacggangga ttcggcttct gaagtaacag tggaagactc cggcgaaagc 120

ttggaagant cttatggcca ggatgaagaa tatgtagaca gtggctggct tctgtcttat 180

tttctctgct tatgctagtc ccttggaatt gaacaatcgg aactaataaa acttagcgcc 240

gccttagttg gcatgtgtat cttcancgga gttgttatgc ctgtgtggaa ctctagtggg 300

tttcctcctg cttccgtata caacctaatc acgtaaccac agcgacagaa 350

<210> 2034
<211> 545
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<400> 2034
taatcaccac tgtgtaccgt ccaaacaaag tgtccccgtg ccaagccaga gtggcaggaa 60

cactgtgact tagatgagga acccccaggg ccgctccagc ctcgaaggcc ctgcctcatc 120

cacagcgctc catagcttca ctgtcactgt ggaccacacc tgtctctaag gtcatttctt 180

cactcacctc gcctgtgtgc cctccctgct cccccaaagt cttgtgttcg gttccccagt 240

gtgcatgttt cagtccaggc aagttacatt cggttgtgtg caatagaagg tcagaagcaa 300

gatcttacct ggtgtcatta aaattgtttt aacacaagnt aggtgtgtcc acctctgcat 360

tcctgtcaca tgatggactt tatgtaaaaa tggtgacacc aaggctcaca gtggagctct 420

ttgcatcaaa gataatntac tgtgtacaca cctgtgcatt catagtgtga gtcacaccag 480

gcatttgtaa atgagaaggt atgatcacta tgtccaggct tccaaactgc ctctgtcatt 540

aaaac 545

<210> 2035
<211> 464
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<400> 2035
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agggcatcgc tgtgccagag aagttgaggg agttcatgcc gccagggctc caagagctga 120

tcccgtttgt gaagcctgca cccattgacc aggagccatc taagaagcag aagaagcaac 180

atgaaggcag caaaaagaaa gcgaaagagg tccccctgga gaaccagctg cagagcatgg 240

aggtcactga ggcctgagca ctgccagact tacttactaa gcctngctgg gatcccaggc 300

ctnccctggg acagagaggc cgagaaccac tcctcaccct ntcccatctg anctgcacag 360

cggctgggga aaccatctgc cgtggacaga gcaggtgttc ccttntcctc gcacgggcca 420

ggggtntntt cactgatgac tggtgaagcc acgcaataaa gcat 464

<210> 2036
<211> 410
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<400> 2036
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aaccttccac attcatgcta cctgcttctt ttttaaaata attaatgcac ataggaacac 120

ttcttttgat catcaggcat tacacaattg ttctttctag acatttttat gaacactatt 180

cattgtaatt atgtaattat ttcctattag gaaatacgtc catctttaaa aaaatatttg 240

acattaccaa ataataattt caaataaagg cttaaaattt attntccttt cttataaaac 300

ctgaataaaa tttttgtgca tgctttaggg tttaattact taagagtttc ttgttctatt 360

aataagtagg aatgcttttg aaggcacaag tctccttgta aatgatacac 410

<210> 2037
<211> 469
<212> DNA
<213> Mus musculus

<400> 2037
tcatgggttc acatcttgct caaagggaga aaattcatga gaggaaactg gatataagga 60

atatggaaag acctttcttc atggttcaaa atttaataga cacctggaaa atcatgctga 120

ctaagagaac tgaattcaag gaatttggaa acatttattc atgattctgc acttaactga 180

tagtaaattc tcaaaaggga cctgagagaa tgtggaaatg cccttcaggt ttgcagctgt 240

ggggaacagg gcttggcaag caacctggct atcccagaga gatggaaaag ttttcatctt 300

ggactttcct ctcatgacaa gaagttcatg ctggcaccga gccccacaaa tgtatgaagt 360

gattttagtt accatggcag cttgggtcaa cacctggata tatatacttt ttcctgtggt 420

atgaaaccct gagctgtgtg tgctgaacac actgtcttgt ttctcagct 469

<210> 2038
<211> 302
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<400> 2038
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ataattctng tattggaaaa gtttctgtta taaagtaaat gaaaagttac agaagaggtg 120

agcctaacat tacatacaga ganggtgctg ctggcttctt gtttgagtgt ttcgtanggg 180

tggatgncag ttctgaatgg tanagatgtg tgtttagttc agtcctgagt gtcatacaag 240

tgcagtccct ggtacctctc ttagtactat gtgttacgca gttgtgggta agtgtgcata 300

ca 302

<210> 2039

<211> 135
<212> DNA
<213> Mus musculus

<400> 2039
gtcaccatgg acctgagatc tggccttgag ctgcatcact ttacttgtat gtgcaccctc 60

cgattgccca tctcgacggg ctggatggtt ttggtaattt ccagctgctt gtgctgtttg 120

ttattcttaa cttct 135

<210> 2040
<211> 303
<212> DNA
<213> Mus musculus

<400> 2040
aggtgtccag atacatagca atcctttcca gttaggactg attaaaattt caaactgaaa 60

ttttcatttt gggactgggt tttaaaattc agtctatctg cttaaaagta atgattagat 120

tattgataaa aaaagaaagg ggaaatttta tttaaatcac atctgttaat ctttttatct 180

aaaactttgt atacttttcc actttcaaaa gttattttaa gtatatcaag atttatttaa 240

aactgtcaac aacagtaaaa agtattacaa tgaaatcact agagtatttc tgggacagac 300

cca 303

<210> 2041
<211> 411
<212> DNA
<213> Mus musculus

<400> 2041
aaatgcgcag cacagacttt ggagaagagg agtaaagtca aacccaaagt aaatgtgaag 60

ccatctgtgg tcaaggttgt ctcagctccc aaattggctc ccaaacgcaa ggctgtggag 120

atgcactctg ccgtcatcgc agccgtgaag ccgctcagct ccagcagtgt cctgcaggaa 180

agccccacca agaaagcagc tgtggctgtt gtcccactcc tctctgagga taaacccgtc 240

accatgtctg agacagaaaa cccaaaagac agttctgtgc tgtcttcagc ccaagctgct 300

tcggaaccct tgctcccgga aggctctggc ccttcctcat cccagacggc aacaaaaccg 360

cgccggctga gctccgcctc cacgggaaag cctccactct ctgtggaaga t 411

<210> 2042
<211> 518
<212> DNA
<213> Mus musculus

<400> 2042
gatagtaatt ctcctccaga tgactaagat cataataata tgatattaaa tattaacaat 60

acaaaataag aggcactgtg gccctagcgt aatatgggtc actgtgtcag ttttcctggg 120

gatagcagtc attaggcttc atatgactta ggggagatct ttttagaaaa taagaactat 180

tgtttggata aagtcaattg ttaggcttta aacatcaaaa atatttaggt ccttataagt 240

aaaagcacgt ttttcttgtt ggcagaatga aaattacagt gtagcatata ggagcagagt 300

gttaatatac aaaatacttt ctgtggggaa tgggcaggca gggaatgatg cttacggtta 360

gagattgtat tggtggaaac gctgcagtga aataaactcc aaaagtaatt ttgctgcatc 420

aaccccacaa ctttgcggga gactccctgc tactttctgc agctgtcaat gggagaaatc 480

atgaatcgac ttctgcctac tggtccttcc caaataaa 518

<210> 2043
<211> 448
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<400> 2043
tagacaatga ttctgaggcc ctcctgaata accctgcact ttagaagaca acaccctggg 60

gcagagctgg cagtgaggct acaaaagagg gggtggtggt gaggaaggga ctagaacatc 120

atctcggatg tttgtcccac actacaggag ctgcagctct tcttgacagg cacttggcca 180

tttcagggca acgtaaggct ctgtccagtg ttacagcagc agggctgcna tgtttcagag 240

aacatttatc ttagcccaca tttgggtgag aagacaccaa aggtatattc tncccagaat 300

attggaataa tgtctaaatt ggcttctgta gctatttata catgatataa tttgtctcca 360

ttcagctctn tcccaatgat gggcatgttt tcccaacagt ttccatcaag tccaggattg 420

ncccactcat tattaccagg cttgcgat 448

<210> 2044
<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

<400> 2044
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ctctgcctgt ntagttactc atgtaagaaa gtcagctcct cagaggttag ctctgccccc 120

tccccctctt tgagtcaggg tttcatatag tccaggctgg tgtgtttgta gccatacaga 180

taggtgccat catgaccagt gtcagacttg gaatgtatgt anaggcacaa gcttcagccc 240

atgggcctca tgtttggcca gtctcttgca ttgaccacac tcctggcccc tttgccctca 300

aaaccaacat agggcaccct acacttgtca ggctgtaagg ctgtacctag agaaatgctt 360

ttggatatag tgtttgaggt cctggcctag atactatata ccttgggaat gtaggcttct 420

cgcttcagcc gtgtccatgg taaacatcaa gtgtacaccc tttccctgct gttccttagc 480

tcaagcacag ttgaggtgat ggctgtagtt ggtacacaag gttctcagag tt 532

<210> 2045
<211> 405
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<400> 2045
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gtacccatgg caattggccc agcctgtgga tgtcagtggg acctgtggct gtcagtggca 120

ctggctgctg ggctggcgta ctgtcagtgg gacccgtggt ggcccgtgtg atgccggtta 180

catagctgtt ggtggcgcct gtggttgtca gtggggttgg aggtcactgg tgtggcctaa 240

ggctggcacg taaacctggc ccatgccttg gctanccccc ccancctncn ntccttnctt 300

cctcctnccc agaactntcc agagatctcc aactntgctt tcagaagtnc ccttcccaac 360

tgctcggttt ccctcccggg acggcggcag tattgaagct tgtga 405

<210> 2046
<211> 158
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<400> 2046
gcccaaccca tgaacttcct ggagacagnc attgggttta tcagcatccc caggccactg 60

ctaacaagga tttgactaac atagggtcca gaacccttct acttcagcca tatctgggcc 120

cactggtaac cactggccac agcctgagag ttatttag 158

<210> 2047
<211> 314
<212> DNA
<213> Mus musculus

<400> 2047
gaagcatcta tgcagctcct cgagattatt ttccaccaag ggacttccct ggcccaccac 60

ttcctccgtt cccagggaga actgtgtacg caccgagggg ctttccacct taccttcccc 120

ccagagctgg gttcttcccc ccacccccac atcctgaaag tagaagtgag ctccccccag 180

acttgattcc gccttcaaaa gagcctgcag ctgaccctcc agaaacacag gaggcctgac 240

agcgttacgt cttaccggca gtcatttccg tctcattttc agtttaagta actgctgtta 300

cttatgtgat tata 314

<210> 2048
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<400> 2048
gttcctgctg acctttgag atagtcactt aaggaaggat ggctctctct catctgtctc 60

ttgttcctta ttgttgcaga gctagctcca cagagtcaga aagttctgac ccnacattag 120

accccgtgtg cgctgctaag gccatggtaa ccctctgggg acaggcagcc attgatggga 180

gcaaagcttg caggtgcctg gaggtggtcc caccattgcc tgcagatgtc cttcctctgt 240

tcacagttag gtttagtgag catttcatgt cagggagcct ctggccagtg tctctgggag 300

gtcactaatc tacccctgag gtacccactc tttctgtcgt agctttcttc tagggcccca 360

acaagcaagc ataaaccagg cttgctggcc agcactcctt ggctcccctg ccgaaccaca 420

gacagacagt tcagattacc aggataatcc caagcagtat ctccagtctc ggctggtagt 480

ggcccagatc tatgcaggcc cattagcaca cattc 515

<210> 2049
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<400> 2049
ccttttctat cttctatacg gttattacat ctttccacag aaaccaaaac tctgtactgt 60

ctttagtatt acttccctat tattttaaac acagtatgaa gtagcattgt atggaaacat 120

tacantaaga ggtacttaat atagacacag cgtatgtatt atatcatgct ggtgtttggt 180

agcttttgct ttcctgcgtc tagtgaaaat ttatcttcgg tttgaattct ctgctgttga 240

ttaaatgtaa aatgttacag gattttccca caatccttaa acgtttatca ctctttactc 300

agtgtgagtt ttctgatgtg gagtagactt taagacttga tttaagagcc tgtctctctt 360

gctatgttta taggctgtct ggctgctgtg cattatttca tgttaagtca catatcatga 420

catcccctta 430

<210> 2050
<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (287)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<400> 2050
gtgactttta tattctgact ccaaggtatt gttcagacct cagctcctgg gggccggccc 60

ctggagtcct gcgtccctgg taacctctaa ccagcattcc cagacaccag aggcagatag 120

acaggtgggc aggggatcta ctggggctgg gccagcacca ttccagagac aaatccaggg 180

cacatgcaaa ctgggggacc tctcccttat ccccagttct gaccctgggt caggccatgc 240

tacactaacc ttccctcccc acttcacact tttgctcccc ccccccnnnc cagtccattt 300

tacttctttc ctctcccctt catcttttcc cttcccctta ctgttccacc caggaggnag 360

gaaacttcac atagctgtcc tcacccttt attttaaatg aattttgttg gggttgagca 420

gggctgccta tggtctgaag gcttttggtg cttgtccaca cacccacctc aacccttcct 480

gcccatcctc ccctatctcc tttcctcctc ctgggttcat gctgtaataa ag 532

<210> 2051
<211> 218
<212> DNA
<213> Mus musculus

<400> 2051
ggctgagaac ttagcttaac ttgcttgggt ccctgaccta atgtgctgat ttaaagtatg 60

ctgtcccaaa atatcgctga gccaagcaga gagctgtttt atggcattgt cttgagaaaa 120

ccagcgagtg ctccagaaag cccttgatgg cctagaggta gtgaaggaag aaatcatgga 180

aacatttaga ctgtactggc tggttttatg ttgtcaac 218

<210> 2052
<211> 246
<212> DNA
<213> Mus musculus

<400> 2052
acctgcccca gctgtctgta tggttcctgg gcctacagcc aggcctgtgt ggcactccca 60

tgactgattt gacaggtgtc ttcccatttg gaccttcgtc tggccagaga ccctgcacat 120

cccactgtca gggtagccag gactcttccc atcctcgtga tcagaggaga cttcctcgtc 180

ccccttccaa taaagcacct atgcccacag tgacagcgtg ccatgtgctg ccactgggct 240

gtttgt 246

<210> 2053
<211> 450
<212> DNA
<213> Mus musculus

<400> 2053
gagttcaagg agagcccggc tacatgaggt cctgtctcac cttttgcaca tcttttattt 60

tgccattttg aatttgtagc agcaggatca gctcagtttg cagagactgc agtcttcata 120

tgtgaccata tcatgaagtg gcaatttata gagcactcag ctttcgcttt tactccggta 180

tgaggttatc cttgggctcc agcatcacct ctgaacctcc ttggcagttg gcggctcaca 240

tctgtgttct gtgccaccgt gctgctttgt cgttacgcgc ctctttcccc cacgctctgt 300

acgcttactg atggacgaga atgacgtttc tctgctcttg atgtctccat tatcagcaca 360

gtgcctcacg cagagcagtt actgaacagc tattggaatg agtgagtggg aatggatgga 420

tacactcgcc tggcctaact aaagtctatt 450

<210> 2054
<211> 187
<212> DNA
<213> Mus musculus

<400> 2054
tgggtaaaac catccgtaag gctgaagcct tcctgggaag cacgaagagg ctgtgctctt 60

tcttggcctc tgcttgcatc cctgcattaa ttgtatgtgt gaatcactag agtctcggga 120

ctctgtagcc taagaattac tgtggtgagg acaaatgcca acagtcaggg agttctcgga 180

gccaacc 187

<210> 2055
<211> 376
<212> DNA
<213> Mus musculus

<400> 2055
tggctgaact aacaggtcgt cccatgagag ttgttggctg gtatcattcc caccctcata 60

taactgtttg gccttcacat gttgatgttc gtacacaagc catgtaccaa atgatggatc 120

aaggctttgt aggacttatt ttttcctgtt tcatagaaga caaaaacaca aagactggcc 180

gggtactcta tacttgcttc caatccatac aagcccaaaa aagctcagag tatgagagaa 240

ttgaaatccc aatccatatt gtacctcata tcactattgg gaaagtatgc cttgaatctg 300

cagtagagct gccaaaaatc ctgtgtcagg aagaacagga tgcatataga aggattcaca 360

gccttacaca tctgga 376

<210> 2056
<211> 158
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<400> 2056
atgccacaga tcttcggtga gcaagtggct cgaacgcagt tcctnatggg agtgccaaac 60

tacagagaaa acctggaggt cctgttgcac ctggctcggg cagaggctgt ggcgatgcgn 120

tcgtcaaagg tggtggtgtg tgtggtgcgc acggagga 158

<210> 2057
<211> 293
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<400> 2057
aggcagacgt gaacttggtg aacgctaagc tactggtgaa agaggctggc ctcaatgtca 60

ccacctccca caaccctggg gttccagggg agcagggtag cggggaatgc ctcctgactg 120

tggccctggc aggtgctccc taccaagccg tgggcttggt nccagggcac cacaccaatg 180

ctgcagatgc tcaacggagc tgtcttcaga ccagaggtgc cactacgcag gggccaaccc 240

ctgctcgtat tccgggctca gccctccgac cctgggatgc tgcccactat gat 293

<210> 2058
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<400> 2058
gaacttggtg aacgctaagc tactggtgaa agaggctggc ctcaatgtca ccacctccca 60

caaccctggg gttccagggg agcagggtag cggggaatgc ctcctgactg tggccctggc 120

aggtgctccc taccaagccg tgggcttggt nccagggcac cacaccaatg ctgcagatgc 180

tcaacggagc tgtcttcaga ccagaggtgc cactacgcag gggccaaccc ctgctcgtat 240

tccgggctca gccctccgac cctgggatgc tgcccactat gattggcctc ctggcagagg 300

cgggtgtaca gctgctgtcc taccaaacct ccatggtgtc tgacggagag ccctggcacg 360

tcatgggcct gtcctccctg ctgcccagcc tggaaacatg gaagcagcat gtattggagg 420

ctttccagtt ctgcttctga ccctggggtt cagcactctc agccccacag gctcttctga 480

agaaacccgc tcaactgtga cctatag 507

<210> 2059
<211> 421
<212> DNA
<213> Mus musculus

<400> 2059
aaggcggtgc tgaaaggcgt ccacagccac aaaaagaaga agatccgaac gtcacccacc 60

ttccggcggc ccaagaccct gcggctccgg aggcagccaa aatatcctcg gaagagtgcg 120

cccaggagaa acaagcttga ccactatgct atcatcaaat tcccactgac cacggagtca 180

gccatgaaga aaatagagga caacaacact cttgtgttca ttgtggatgt caaggccaat 240

aagcatcaga tcaaacaggc tgtcaagaaa ctctatgaca tcgatgtggc caaagtcaat 300

accctgataa ggcccgacgg agagaagaag gcgtatgttc gcttggctcc tgattatgat 360

gccctagatg ttgccaacaa gattgggatc atctaaactg agtccagatg gctaattcta 420

a 421

<210> 2060
<211> 543
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (266)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(450)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (473)..(473)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (475)..(475)
<223> n is a, c, g, or t

<400> 2060
agtggcctgc gtggcacgct gcatctgacc agaaggctgg actgtgagcc tttccgatgg 60

aaggatgtga ctctgacgac aacactgatc cccacctcag ccatggctga gcccctctca 120

gagcgggaat gtctaaaggt ctcccgcctg ccacacagca ctcagctctg ccctctcagg 180

gcttgaactt gctccgatgc cctcggtgac tttccccact tggaatggct ccctctcttt 240

agaaagaggc ccctaactaa ggcccnngtt tttctttaat ncagttttca aaaagagngc 300

tggggtgggt ggggcnnggn tncgganatc antntcccct cagnccctcc agaagagaan 360

ccntacaggg cactgncccn tggtacattt ntctgacatt tcttgagncc tcacattggg 420

gaggggtcac tncctttttt ttttttttnn atactgagta tatctaagtt ntntncgtat 480

ttttttattt tccctgttat gtgctgtaga tggagagtga tgacaatcgt gtaaatgtac 540

tag 543

<210> 2061

<211> 289
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 2061
agagcttctg aaagtgcttt atgcagatgt acggtttctt ttagtgacaa actggttatt 60

cagagcctga tcgcaatttt tgatttaaat cttnttgttt gtttcactgt tgtaattcag 120

aatagaacat tttcagtctt gtacttaact gttttctgag cagctgaaga caccgtattt 180

cactctgtat ctcagtgata gggagtaggt gatggctctt cattctgagc gtggggattg 240

ccagcacggt cctaccctgt gctgcagtta aacctgctgt gaggaggaa 289

<210> 2062
<211> 301
<212> DNA
<213> Mus musculus

<400> 2062
atctccttgg gcacttgtca aatatgctgc ttttaaccgg cgattctaat gggattgact 60

gactggagac ctcacatcat gttcacattt aaccttaaac acctatgcag tcatgttggg 120

ggagtgtccc aatgttacct caacaccacg aagcttattt ctatactgga gttcttcagt 180

atagaaagtg gaagtggttt aaatggcata gtacatatac atatatatat ggccttgtaa 240

aacagatttg agaccttgtg aagaaatgga tatgttatat atttctgcta cctggatttt 300

c 301

<210> 2063
<211> 258
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (113)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (137)..(139)
<223> n is a, c, g, or t

<400> 2063
gcaactttaa cactgcttta ctaactatgt ctattggtta tttcctgcca attagtatga 60

tttcttaaag acagtaagtt gtttgcaaat taataaaaca gcattcctgt cannnnngta 120

agtaaagctt aatgaannna tatccctgtg gacagctcca ttagcttgtt acattagtgg 180

aattctgagt aaagcatggg agactggcaa acccttttgat ttctctcaga gctgcatgca 240

tctagtatga aaccctgt 258

<210> 2064
<211> 541
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (201)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<400> 2064
gcttcagttc ctaggatcct tttataaatg gtaaaaccct ggatttacaa tttgttaaat 60

actaaatagt tcctattaat atgatctatt tttgtatttt acttagtttt aagtgcctgt 120

cattctgaag attatatatt tataacccaa tggtctcatg cctggacctc atggcactgc 180

tatgcaattt ggtctcaaac nnnnnagaca gcaaagcctt tacaacagaa cctttctgaa 240

ccagctttca ttcaaaagct tcaggtcctc ttagatgctt tctctggcta ctcactgtga 300

gcaagggnac agttctacta gttcctgttt cttctgagcc agaccttcct caaagggacc 360

aattaattta aaactcactt gaagctcagc tggctgtggg gctgtctttg aagttctggt 420

ttctaccttg atgtttctgg ttcgtggggt cctggaccaa tctccaaccc ctaattatga 480

agtaaaggtc ttgaaatcat gcagcataaa ttaattgtaa ccatcttcaa caacctgtct 540

t 541

<210> 2065
<211> 483
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<400> 2065
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accccacccc accctgtggc ctcttaacct ttgtaccatc tgattgtctg gccaccaggg 120

tgccaactca acccagctcc gagcagaggg gggtgtnggg cagggcccgt cggtgagcca 180

tgtttacatg acagtgtgcc aaagtgactc gccgagcttg tattgctttg tagtcatctg 240

ggctatccca ccctcccaac tcctgttttt aaaactaaaa actcccagga ngccctgggc 300

gcacacaggc aaaggtggct gtcttctgtg gtggtccttg agtctccgtg aagctgaaaa 360

tgatggtgtc tgtgagtatg ttttgcaaat tcaaaatata gtttggtaat ttttttcca 420

gttgattttt aaaaaaacaa aacaaaaaac tgctgtacag agcttgtact ttgtccattt 480

tat 483

<210> 2066
<211> 460
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (397)..(397)
<223> n is a, c, g, or t

<400> 2066
gcacacttcc caaaagtagc cgaaatgttg anaagcctgt ttcaactagt agtaagaaag 60

atgcaccaag gaagccagct gcagccgacc ttgaaagtca gcagaaatct tacggcctga 120

acttggctgt tcagaatgga ccagttaaaa gcaatgggca ggaaggaccc ttgctagcta 180

ccgacgtcac tggtaatgtt aggactgggt tatggaaaca cgaaacaact gtgtagcatt 240

gcaggggctt ccaagacaag gtgaaactgt ggtactcaca ttcctttaag ctatgaactc 300

ttagaaacaa actgtttaca gccaccttgg ggatacaaan ncngttntga gtattcttgt 360

gagctttggg atttacttat tttatattcc caaattntcc cccactcccc ccaagagtta 420

aaaatgtttt aaaacattgt tttacttgtc aaagcaccaa   460

<210> 2067
<211> 312
<212> DNA
<213> Mus musculus

<400> 2067
gcagcttaac aacacttgat ttcagatgat taggtttttg tttctgagac ccagcacctg 60

tatatttaaa aattgttcca gattacacct tcactatcaa atgagtaaat gactcatgcc 120

tgcagacatg tcctgatggt ggcaagaaca gaaggatctt tgactgaagg agaaaaactg 180

tcattgtcat cccagccccc aggaaagaac acctccaagg caggcaggca ggcaggcagg 240

catggtggtt ctagttgaat acacattcaa gtcttgcagt ggtgctttag atctgtgtag 300

catgtgaggc tc   312

<210> 2068
<211> 446
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<400> 2068

agtgtttaca gctttgccat gtccccacct gctggcctca ggctgcctgg gcctggccna 60

gctatccttc tctatgcaaa tgcgtcaaag ccatgactgc tggaacccaa aactgacaag 120

gtttattttt tccagagccg gtggctggtc ttccatttac agtgtcacta ttccttgatg 180

gagcagttat gtgcccgctc tggtgatggc cccagccagt gatgctaggc ctaattgttc 240

atcatcaagc cggcgactca tgtggtgcct gccctaggcg tggncctgcg gtctggcaga 300

tccgtgctac agaattcgcc tggttcctct ctattttaat ttttctaacc tagagcttaa 360

tttcaataac tttttcaaca gttctaaatt tttatttttg gcaccagtat aaagacaaat 420

aatatctatc gctcccatta ttttca 446

<210> 2069
<211> 336
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<400> 2069
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ctcccttccn tgctacttct gcccagaggg gaggtntcca gagtgctgtt ccccctggat 120

acacggctct cngtgatacc ccccagactc ctcagactct ccagcccctt nccactgtga 180

acactcctcc atgtcaggcc aggctcgcca agctggatga agatgagctg taaccccaaa 240

agtgcagtgc tattggcgca ggcatgattc ctcaatgaat ttggaggggg aatcctggaa 300

atgtgccaga atccatcctc catgatgtat agagga 336

<210> 2070
<211> 372
<212> DNA
<213> Mus musculus

<400> 2070
ttggttccgg gctctgccga aagaggagtg ggatacggct gtgagagggc cgaggttgag 60

tcttgctcac ccagaagacc aaggacatca ggtgcagtga tgcggacgtg cagggaaaag 120

actctgctgg tcaggccctg actgggacct gttcacacag aatctctccc ttcagacagg 180

agggttacca cagctgcctg cagtgtggcc acccctgtgc tcagaggaga aaggctgggt 240

gctcctctta cctgagccct tccatcagga ttaaatctgc agccctttcc ccactgtgtg 300

cagctactgg gcagggtgcc cagtgtggcc tggtggcaaa ggccaattca gagcacttct 360

cagactccat tt 372

<210> 2071
<211> 401
<212> DNA
<213> Mus musculus

<400> 2071
gggttggttt ttgcccatct acattttgca tctgctttcc ccagtaccag tcatagaaaa 60

ctaaacataa ttctcagttt gaaacttgaa ggggggttga ggggcaggga aacaacacaa 120

taaagcccta gtgtggacgc cttaggttgg tcctgaggta aaaatcccca agcccttgtg 180

agatggaagc cttagagaac cacctcgaag cacaagctgt gcacagagat aaactgacac 240

tttgtctaca ttcaaaggaa attccatgag cattcttttt aatttaggaa aattagtatc 300

taattttcta ttcttagatc ttattatcta agaatacaaa tcatcaacaa atgtggacga 360

cattctgcga agttagatgc tagctctgta gggttcctta a 401

<210> 2072
<211> 360
<212> DNA
<213> Mus musculus

<400> 2072
aggaatgcag tctctggcag ggaaatgttt ttcactgccc ttggaacctg tgttgttcat 60

gtccaagagt ccaaagaaag ggctgatttc ctgaggctgg ggtcagcccc tggtacatgc 120

aggcccttgc tttcttcgaa ggaccagctg gccttctctg tctcctttgc cgttcatatt 180

ttcctctggg ccattgctgt atgctctttg tgtcaggaca aggaagaggg caggttggaa 240

aggcacaatt ggatgcatct agtagtgtat acaagtccct tttaagattc tggctctggt 300

cctgctgtgt tctcacggtg ccagccacag gtgaccgagt ttcagcagcg gagtcctgtt 360

<210> 2073
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<400> 2073
gcactctctg acttcaattt cactaatgta attattttct cgggaattct tttagatnta 60

aattaccatc atattaactt ttcttataca aagccagcgt ttgttctctc accagactcc 120

atgccagatc catcataaga aagctcagnc taagtaattc aaatagtgct tacaacttta 180

gggggaggga gggtagcatt cagtcaatac tccaactggt tgtttatgca caaggctaca 240

gtcagaacat agaaaaaaaa cattctgtga atgaaacatt gtatgttcag attttataaa 300

agacattttt aaaagcccaa tttacagccg tatattttct tatgatgtaa tttatgaaaa 360

agctgtctgt actaacaggt gctgtaacac tactgtcgtt gggttttgtt gt 412

<210> 2074
<211> 180
<212> DNA
<213> Mus musculus

<400> 2074
actagcaact ctgtcatctt tttctaaaaa tgaccaactg ctgattacag ctcaaacgga 60

accaaatgtt tgcgtttctg tttttgttgt catttatttg acaagttagc ctctatgagc 120

caaatagagg gggagatgtg tgaacctgga gcaccgagtg gctacatcca cagcctcttt 180

<210> 2075
<211> 562
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (513)..(513)
<223> n is a, c, g, or t

<400> 2075
tgtttggtct catcgggagt cctgccacta ggcatttgaa caataggaca cgtgtcgtgg 60

cctttatcaa aatgtttaca aaaatcattt aaattggtac tctgatgatt gaatccaaaa 120

tcttcttacc tgtgttttca tctaactgct ggaattagtg cagcaccttg tatcttatat 180

tttgggaaga gggaaaaggt agggattggt ttgacgttta ggtacgtaga tgacgatgcc 240

ttacccttgt atatgtttaa gtcatgtggg ctggcgtgta gagagatttc ctaagactcc 300

tatctcatgc ttgtagtcct tgccagggtc acactcacac ccctttctgg tccctttgg 360

aagggctaaa gggtcaggcc agccantntt cctttcttgt tggtaaggtg aatatattta 420

ttactaaact ggtctcgagt ntaagaacag gcaagccctg gttgccgtga caatacaact 480

caatcccaga gagactaaaa gcctccatac atntcaagtt ggagaaatag actttgggga 540

cttggcatga tggctgtcaa tt 562

<210> 2076
<211> 441
<212> DNA
<213> Mus musculus

<400> 2076
ttcttgatca ctttcaggac agcttgcctg gacagcacac agaccttcag ctcggagtgc 60

tcaggtggca agcccgtgga ggtgtggggg tactgtaaag ggaagagtcc attactggct 120

gtccagcttc taatttctaa agctgacaca atttgcattt cataaataca tagtttacag 180

aaccatttgc agcctcaatt ttctttgtgc ttgttatata aattattttt caaactgtat 240

agattcatga taaaattatc ttggttcctc tctcttttac cgtgagagga aaagacttca 300

tttttatctt atacctaatt tttttaaaac cccgtgatga cattaaacag aatttttttt 360

ccaacataag atctgcacag cagactttta aaaagcctga aatctgtctg gtagaacaat 420

ttgtgttctc ctttttcat a 441

<210> 2077
<211> 566
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<400> 2077
agccctctaa ggattcctgc atcttcctga ccggccggct ctgcctcctt acaccccatt 60

ctggggcctt ggaggcaaaa gggcagattg gagcccagca ctggacttga ggggcccagc 120

cccaagagtg tatgagggtg tgtggggacc catgagggtg aggagctgtt gcagccaggc 180

ctatggggtc cactccccaa acacaccctc ctttgcccct ttagcttttt cctgtccccc 240

aacttcttag cacttaaccc cactctaccc agagacttga tgagaccttg tgagtggtgg 300

tggcaggaac agcagggctg tgcnggtccc cgaccccncc tctccctatc ctacctccat 360

tccctgttgc tgtttgggag ctgttgcccc tcccttggna acgcctactt cctgtctctg 420

ctgtctcccg gtacctgtgc ttctgagccc agactatctc ttgtcactga ggggatggga 480

gacctttcat atcacctcac aaacaatccc agcaaaaagg gttggagatg gagcaccccc 540

ttgttcttca gcaatcaggt ttctaa 566

<210> 2078
<211> 261
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (233)..(233)
<223> n is a, c, g, or t

<400> 2078
gaacaggacc tgaaccacga ggccgcagca gatccagctc caagccctcc caatgatttt 60

cagaataacg tgcaggtgaa actcatccgg agtcccgcag acttgattcg actgattgag 120

gagctgaaag ctgcagaaaa ggggaagcca agcgtaaggc gggagcagcc tggagacgat 180

accacggagg ccccccagag ggaagcagag ggaacgaagg cgaagggaaa ggntggtgag 240

cccccgggtc ttatggaaga g 261

<210> 2079
<211> 505
<212> DNA
<213> Mus musculus

<400> 2079
agagaccacc ctcttggcag gacaactgcc tgctgctagg gtctgctgct aaggtcaacc 60

catcaccagg aactgtcact ggggacaaaa gagtgttccc acaaccttct cttctgctat 120

ttaattcaac tggtggtggg acccaggcta cccctaatac cacccattcc taccttgtca 180

cctcttccca agccttatac ctccacccat ccccccacca tggtgcagat agtgccaccc 240

tcaacgtggg ctatgtggga accattgtcc ctgcctcagg gtcattgtgc caccacagct 300

agggtgtgcc atccaccatt cagttctttg cctctgggat cagccaggac cctcagagct 360

gaagcaggca ggacctgagg gcaggagcgc cagatgatga agtcggaggc gctgaagcct 420

tccctgccta tcctgcctca ccctctgact caaggggctg cttgtttcca gccactctag 480

gtggctccca agtgtgagtt gttca 505

<210> 2080
<211> 415
<212> DNA
<213> Mus musculus

<400> 2080
tatttcgagc ggacctcatg ggactctttt ccactgtgag atcaacaggg aagccagcgg 60

aaagatacag agcatgttag agaagtcgga caggtggtgg tacgaataca attcctctgt 120

ggcctgctgg actgctggaa ccagaccagc ctaaggtgta gagttgactt tggacaatcc 180

tgagtgtgga gccgagtgca gttttccctg agatacctgt cgtgaaaagg tttatgggac 240

agtttttcag aaagatgcat tgactctgaa gttctctctg ttgagagcgt cttcagttgg 300

aagacttgga actgtgaata cacttcctga aggggaggga gaagggaggt tgctcccttg 360

ctgtttaaag gctacaatca gagcagcttt tggctgctta actgtgaact atggc 415

<210> 2081
<211> 255
<212> DNA
<213> Mus musculus

<400> 2081
atgtcagagg atgttcaagc gcagagatta ccttaagcag cacatgaaga ctcacgcccc 60

ggaaagggat gtgtaccgct gtccgcggca aggctgcgga agaacctaca caaccgtgtt 120

caacctgcag agccacattc tctccttcca cgaggaaaag cgcccatttg tgtgtgagca 180

cgctggctgt ggcaagacat tcgcaatgaa acagagtctc atgaggcaca gtgtcgtgca 240

cgatcccgac aagaa 255

<210> 2082
<211> 327
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (172)..(173)
<223> n is a, c, g, or t

<400> 2082
gacttggagc catggacacg tggatggccc agccagccag ccgcctggac tgcaggggg 60

cggcagcagc agtggcggca gtggcagtgg gtgcctgtag tgcgatgtgt cttgagctaa 120

taaagtggct gatgaggcag gatggcttgg ggctgcctgg gccccccccc cnntccagga 180

tgctgccaag tgtctctctc ctccccccag ggcacagaga tatatataaa gtcttgaaat 240

ttggtgtgtc tttgcggggg gaagggcact accgcctgcc tctagggtcc ttttttattt 300

tctgaaatca ctcttgggac tgccgtc 327

<210> 2083
<211> 95
<212> DNA
<213> Mus musculus

<400> 2083
cttcctggta gttgtaatga ccactcccat aagggctata actgttcttc acaggtggcc 60

ctgctcaaaa tacatcctct cttttcccgt tctat 95

<210> 2084
<211> 509
<212> DNA
<213> Mus musculus

<400> 2084
gaaacagctc cagagtccta gtgtggccta tgggacagct gcctggcacc tctgcaaaca 60

aaagtgaccc tgcggtgaca gaagaggtaa gcgtggctgt gagcagcata ccaaagagct 120

cagaagcact ctctccgaag ccacccgggc agagcctgtg ctggcggcgc ccatgcaggg 180

gctgatgaca ctgggcatcc taatgctgac tccagaggtc aaactgtctt actgttgctt 240

tatgttggga accaattcta aaaccaaaaa tgcctaactt tacttaagga aaggacatta 300

atttctactg acagaagatg aaaactgttc aacatgtttt tcaacaagat cctcttgctg 360

tagcagtaac ctcaagcaat taaaacttgg tgtcgagaca aaactaaacc ctttgtgcct 420

aaatccaact gctgagccta agcaggctga gcaggttgac tggatcctgc ccaacagagt 480

ggatgtaaag ggctctctga ctgctaaat 509

<210> 2085
<211> 482
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<400> 2085
tggcatccta ctgttcaggt taaaacaaag aaagccttct gaacataact gaagggaaaa 60

gcactttacg ttggcctctg tattcctgtc agttagttgg ttaggaatgg caataacctt 120

tgggcctcaa ggtttcctca gctctagaaa gaacacgtgt ctaaccagca gatccaggtt 180

ngcagncagt gcctgagccc atgagganat aggttataaa gccatcaggt aaggagcaag 240

tagaaaattc cagctgattg gcaggtctcc cctctgacag acagccaaan tggggcaggt 300

tccaggatcc tgattggtcg agtgctggag gaggcagagc cagagccaca cccacaggag 360

catggaccat cccncnctcc ccccatcacc caaggtttcc actctgttca ctagcttctg 420

cttgcactac agagtccact ccctgtcctt gatcctgagt cacagagttg ggccttgtag 480

ga 482

<210> 2086
<211> 562
<212> DNA
<213> Mus musculus

<400> 2086
ccgttttgaa ctgcacgagg accaacgtgc agaaatgtct ccccaggctc aaggtcttgg 60

tgtggatggt gcctgcaggc cctgcagtga tgccgagctc ctcctggctg catgcaccag 120

tgattttgtg atccacggga ccatccatgg ggtcgcccat gacacagagc tgcaagaatc 180

agtcatcact gtggtggttg ctcgtgtcat ccgccagaca ctgccactgt tcaaggaagg 240

gagctcggag ggccaaggcc gggcctccat tcgtaccttg ctgcgctgtg gtgtgcgtcc 300

tggcccaggc tccttcctct tcatgggctg gagccgattt ggcgaagctt ggctgggctg 360

tgctccccgc ttccaagagt tcagccgtgt ctattcagct gctctcacga cccatctcaa 420

cccatgtgag atggcactgg actgagagac ctgggagcaa gccctggatg gaccttcttc 480

tggagatggg gtgttgggga gggtgatggg agggtgggtg agaagggtgt ggctcggatg 540

gcatcctggt acccacagtg ag 562

<210> 2087
<211> 488
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<400> 2087
tgaccagtga gctcatgttt tcctcgaatt ccagggtgct gctggggttc agagcaaccg 60

tgccgtagtt tggaagactt gagctaattg ttttttttt gtttgttttn ttgtttgttt 120

aaaggtggcc tgggggggggc ggcaaacaga cagacatcac tttcagctcc ttacgaggcc 180

tttagggagg ggttctttag tctggcaccg cgccattccc ttccatggtc cttgtgagcc 240

atacagtcat ccttggcccg gtcccgccct tggggaagaa tgggcccctc tgtccggagg 300

cccctgagac gtgctgagca tccagacatg gcagagagcc tgcagggtgt ggggtctcct 360

ctgcaggatc ctgcttgttc gtttccggcg ggagaaatgg acaatggggt ctctaaagac 420

tgtttcccgc cactggcccc attgttgcta tgcctgcctt tctcctgggc ctcattattt 480

cgcaaaag 488

<210> 2088
<211> 566
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(367)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(414)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (479)..(479)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

<400> 2088
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ccgctgctgg ggcctatggg ctgagcgctg ggagttatgc cccactggtt ttcggtgtgc 120

tcccggggct ggtgggcatt ggaggtgtgg tgcaggccac agggctggtg atgatgctga 180

tgagcctcgg gggactcctg ggccctcctc tgtcaggtaa gggctgagct cgcggattcg 240

ctcangactc tcttctgccc ctgagatgcc aagcttctaa attcctttcc cctcttctca 300

ggcttcctaa gggataanac aggagacttc annncctctt tcctggtgtn cagctctttc 360

atcctnntct ggcagtttna tntacatggg gctncccaga nccctcccnt ccnnccntcc 420

ancntcacct ccagcaaccc ctccaccaga gagaggggag ctgctcccag ttccacaant 480

ntccctgctt tccgcagggg gtactggctc catccgggat accacttgtt gatcattttc 540

ttggttgacc tccttcccta ataaag 566

<210> 2089
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<400> 2089
ttcgtgtttt tcgacctctt caatgccctg agctgtcgct ctcagaccaa gctgatattt 60

gagattggct ttttccggaa ccgcatgttc ctgtactcag tccttgggtc cctcctgggg 120

cagctggccg tgatctatgc cccgccccta caaaaggtct tccagactga aaacctgagc 180

gcgctcgacc tgctgctgct gacgggcctg gcctcgtctg tcttcattct gtcggagctg 240

ctcaagctct gggaaaagtt cttgtccaga gccaggccca ctcagatgct cccggaagct 300

gtgtaacgga accagtgtgt caaggccctg actgacctgt gtgcttgggt gcctctggcc 360

ntgtccccat ccatctgtac taaccactcc aaggggcaat tctcaggacc gtgcagcatc 420

ggacgctggc tccnacctnt cctcctggcc tgctgggcca tgtcccgcac aggacagggt 480

ggagcttatt atactgaaac gtggcgctat ttat 514

<210> 2090
<211> 445
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<400> 2090
gtatcttgtg aagtcatcga tctgcggaca attgtgcctt gggatgtgga tacagtttgc 60

aagtctgtga tcaaaaccgg gcgactgttg atcagccacg aggctccctt aacaggcggc 120

tttgcctctg agatcagctc cacggtccag gaagaatgtt tcttgaacct agaggctcca 180

atatctcgag tttgcggata tgacaccccg tttcctcaca tctttgagcc cttttatatc 240

ccagacaaat ggaagtgcta cgatgccctt cgcaagatga tcaactattg acgacagaga 300

aaaccaggaa gatcatgacc agacatggaa atatttttct gaaacctttt tatatttcct 360

tatacttctt tcttcttaca tatagtttta tgcaacgaac tntcatggat attggctgat 420

gagctgcgaa ttacttatca tgtta 445

<210> 2091
<211> 231
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<400> 2091
atatagttct ggaggaggct ccagaggtgg ctccagctca ggaggancag gatctagctc 60

tgaaaaggga ggttctgggt caggggaagg ttgtggctca ggtgtgacct tctcctttag 120

atagagatat gtcttttctc tctactcttg gattccagaa tgtcagctgt tatctctgta 180

tctctaactc tgattaaccc caatatttgt aatccacctg atgtgatttt t 231

<210> 2092
<211> 333
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<400> 2092
gcttggccac cggaaacatt tagcggctca ccatcgaagg cggctccgga agcctcagga 60

caggaagagg caagtatccc ccagtctgcc tgatgcnatg ctggaagtgg atcgcggggt 120

cccagctcct gcatccaagc ggcccctgac cctcttcttt ctccttctct tcctccttct 180

ggtgggtgcc acgctgttgc tgcccttgtc gggggtctcc tgctgttctc atgcccggct 240

ggctaggacg ccctacctgg tgctcagtta tgtcaatggt ctccctccaa tctgagccca 300

ccatccaaga cacgtgcatt aaatggtcac ttt 333

<210> 2093
<211> 108
<212> DNA
<213> Mus musculus

<400> 2093
aaggctacac caaagcactc actagcccga ttatggtttg ggttttgagg cagcccagga 60

aagacagtgc taaggttcag ctccgacgct tgtctgttca gactcacg 108

<210> 2094
<211> 377
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<400> 2094
gaatgttgcc aaaacaactc tgtagttgtc ctgtgtcatg gtgaagaaag atggcttttg 60

gctagaacct tcattctgag ggtagcaaag gacatcaaat cccattgatg agaaagatgg 120

aaaatgcatc cggtttcctc agaaattctg aactcttgag tacaataaaa tgatgtcttt 180

atttttctga tacttcgctg ctgtgatact atgcagacaa gtgtcttctc catgcgccat 240

tttcaaagaa aagtcatttg ccaaataatt ctggtacaat tntgctaatg tgcttttgga 300

tcttagaaac caactttcta atggtaacat aaatattcca tgtaacaaac tgattctgtg 360

gtcaaatggt tcatctc 377

<210> 2095
<211> 314
<212> DNA
<213> Mus musculus

<400> 2095
gacagcccca gatctaagcg gtgtgggaat ctgagtacct gcatgctggg cacgtacaca 60

caagacctca acaagtttca caccttcccc caaacttcaa ttggggttga agcacctggc 120

aagaaaaggg atgtggccaa ggacttggag acaaaccacc aatcccattt tggcaactaa 180

gctccttctc tcctttctag tttccttctt gctttcttcc tataacttga tgcatgtagt 240

tcctctctgg ttgctctcca ggctattact ggttgctttc ctgaggcaaa gaatggtatc 300

tgaaatcccc agtg 314

<210> 2096
<211> 212
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<400> 2096
ttcagtaagt gaggcccacc agcatgtggc tggctgacat tctgtgaacc atggtctacc 60

ttgccccgtg ntagctnanc cntcntccct tttgaaagct gccagtgtca ggcccttccc 120

aaaccctctg actggtcaac cagtgggcgc tcaggaatct agagtagggg tgaagaggat 180

gcctaaggga accaaccaaa agtctcaaat ca 212

<210> 2097
<211> 461
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(96)
<223> n is a, c, g, or t

<400> 2097
tgtggcgatc tctgcgtctc tggtactgcc cctgctgtca acacaagagt gtgcagcgcc 60

ccntgcagcg gaaacgtggt ggtgggcacc ccnanngcct gcgccccctg cgccggggca 120

ggcgcctgca gcggaggctg taagaagtgc taggaggtca caatgctgca agccactggc 180

acgggctacc ctgcccgaag ggacagcaca gcgggacagt ggcctcggcg cctttatttc 240

aatctgtagc tttccctagc aacttgttcc tagagttctt gctttctttc cctttctgcc 300

tttttgctgg attcattggt cttaggatct tggaggatcc gctgccccag gatcctcttt 360

gtctgacttt acccgggtcc ttagcacgct tttgcctggg caaggagaca tggatccaca 420

tggttgcctg ctttcctgac actccgctag aaaccacgtg a 461

<210> 2098
<211> 269
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (241)..(241)
<223> n is a, c, g, or t

<400> 2098
agagaagaat gtcctgaaga tcagcgactt tgggatgtcc cgcgaagaag ctgatgggat 60

ctatgccgcc tcagcgggcc tcagacaagt ccctgttaag tggactgccc ctgaggccct 120

taactacgga cgctactcct cagagagtga tgtgtggagc tttggcattt ngctgtggga 180

gaccttcagc ctgggggcct cacctatcc caacctcacc aatcagcaga cacgggagtt 240

ngtagaaaag gggcatcgtc tgccttgcc   269

<210> 2099
<211> 494
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (452)..(452)
<223> n is a, c, g, or t

<400> 2099
aacaacctat tcaaggatga accatctgct cagcaccgat ttgtcagcaa agccatccct 60

caccctggct tcaacatgag cctcatgagg aagcacatcc gattccttga gtatgactac 120

agcaatgacc tgatgctgct ccgcctcagc aagcctgctg acatcacaga tactgtgaag 180

cccatcaccc tgcccactga ggagcccaag ctggggagca catgcctagc ctcaggctgg 240

ggcagcatta cacccaccaa attccaattc acagatgatc tctactgtgt gaacctcaag 300

ctcctgccta atgaggactg tgccaaagcc cacatagaga aggtgacaga tgccatgctg 360

tgtgcaggag agatggatgg aggcaaagac acttgcaagg gtgactcagg aggcccactg 420

atntgtgatg gtgttntcca aggtatcaca tnatggggcc ataccccatg cggtgaacct 480

gatatgccag gcgt   494

<210> 2100

<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<400> 2100
acactccctg accttataat cttattagtt atgcttaaat gagtgcaggg ctcttattct 60

gtaattctct tactatctgt gctgataaac gctggtttcc tccatctctg gctcaagnac 120

cagattttcg ggtggctcct gtagtatgtc tcanctgtga gaaatgttct aatttctatt 180

taggaactct gcatatacat ctctatttaa tcaggagtct cttgctgtta gagatgtatg 240

tattttgaac tgtatttaat tttctagtgc atgttatcta ctgtttgata cttgacaaat 300

ctttgcaant ttagtctttc catttctacc tgtgacatac agaagatctc ttgnaaactt 360

ctactgtccc anttcccaaa tcatgctagc ctatgctgta tcaaaactat gaatatttct 420

tttatggaga tttagtgata tacatgtaaa tgtttttaa gttattttat tgaacttcaa 480

tatttacatg aacgtataat ccttttttaa agtctccgtg ccagaactgt at 532

<210> 2101
<211> 289
<212> DNA
<213> Mus musculus

<400> 2101
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tatttatttt atatattcct atgagaaaat gatcattgta atgttgacat ttgtgatgat 120

ttgtcagcct gtacatctta acttattatg atttaatcac ctaaaattga tacattgtct 180

tgatttatag gaaggtatct aaatgtgaga gatttccaac tgttccattg tgttctatat 240

agagctacag ccaatgcact cttgaatttc tcaggagcat tgcaaggca 289

<210> 2102
<211> 475
<212> DNA
<213> Mus musculus

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<222> (124)..(124)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 2102
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agaaaggagt acaggctcac gtgactcagc tacaagctga gacagctgct gctattagga 120

aaancaatgg aagccagcag tatgtagatt tagggagctg acaaatcctg aaaatgaata 180

aaatgagctg ggtacttcca gaaacacgat acttcttgac catgaaaagg aaaaaggctg 240

ggtttttatg ttaaaatttg aatttttgca aaatgtactt ataatcttcc cattaaagat 300

gctgataaat agtaaagtta anaaannnna nnnnnannng ggaattatat aatgaaatat 360

gtcaatgttt ggaggtctct gtaataatgt tataaatcat agaagacttg tttaaaatat 420

aagaaagggt tggagtgtgg ctcagtggga gagcacttgc caagaccctg agttc 475

<210> 2103
<211> 283
<212> DNA
<213> Mus musculus

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<222> (97)..(97)
<223> n is a, c, g, or t

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<222> (112)..(112)
<223> n is a, c, g, or t

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<222> (258)..(258)
<223> n is a, c, g, or t

<400> 2103
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gaaccaaggc ccatgagtga ctcacccaag gtgagtntga gacagccctc cntacaagct 120

ccccatcacc ccccccacac acacacacac acacacacac ctgtggttgt acaccatgct 180

tttcaaactg tgctccacag gccactgggg aaccttgcct ggatggcagc agtaaaggtg 240

gctggaggga tccccagntc cccttcaatc acagaggtct gtt 283

<210> 2104
<211> 451
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (77)..(78)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<400> 2104
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ttttcatttc tcttccnnac acaagacaac tctagaaatg ttcagttgca gatttnacgt 120

tgttatttta tttagtaatt aaaatcttca aagataaata ttaatatatg cagatggaaa 180

ataggatatt tctgagcaca ggggtctatg cagggaaccc tgactctctg aaacatgagg 240

gagaaaacca gtttcttata tattaatggc tttaatatga attatactaa aatcaatcta 300

tttaaaaatc cagctcttgt aattaagaaa caagagtctt ttgctctggt atcccttaga 360

aggcatgaaa atatgtgagt gtgttgatgt ctgcagtctc tgttcagctc tacagaagtg 420

ttctttgtgc atctagtgct tacctaaaat t 451

<210> 2105
<211> 547
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (183)..(186)
<223> n is a, c, g, or t

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<222> (189)..(193)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (201)..(203)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttgctttct tatctgtgca tcatgtccac gatggtgctt gtggagacca gaagagggcg 120

tcaggttcct gtgggactgc acttacagag ttggagctac tatctgggtg ctaggaannn 180

aannnngann nnntngnaga nnngccagtg ctcttacctg ntaagtcagc tccccatccc 240

tcaaatctga ttttaaagat cattttggag gcagttatgg tgataatata catggactct 300

cagcactgag aaggttaaag cagtaggatc ttgaggttaa ggctaccctg gaccgtttgg 360

taatcttttt cctttacctc ctcttcccct ctcattgtta ataaccccag gtcggagagg 420

tggctcattg cctgctctgc agaggaccca ggcttgattc ccagcaccca tagataaaga 480

ggtttacaag tatttacatc catttcctgg gtgtccaaca ccgtctcctg ctgtacatgc 540

agacatt 547

<210> 2106
<211> 437
<212> DNA
<213> Mus musculus

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<222> (54)..(54)
<223> n is a, c, g, or t

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<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

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cacttgcttc agagctacta agagctggct tcctgagctc atctagtgac gagtatctcc 120

tagagacctc cgctaatcga tctttttttct tctccctttt tcctcttttt cttctaatct 180

ctctccaggt attcctacct aaccttaact tttcctcggg ttcaagaccc ttggaaaggc 240

ctgtatactt attttgtgta ccatacttcc tctttgttcc tactctctct ccccgcttta 300

cttctgatag attgtcctga atttcctcta gaattttcag ccctatctta atcacttgat 360

agcatgtgaa aaagaacaaa agggctccta acaccagana aaattcaagg ccaaacatac 420

tcactggtac tctcgtt 437

<210> 2107
<211> 489
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

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<222> (190)..(190)
<223> n is a, c, g, or t

<220>
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<222> (213)..(213)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agctcagagt ccttccactc aatgctgcca aagactggga cttcctgtct aagactttgc 120

tgttttagcc tcactaaagt ttcctcaaga tgaaaagtcc agtagactnc tgcataaaaa 180

tttatttttn tacgtgtgaa gacactgagg atnctntact ggttgtttcc acttttattt 240

cactgtgtga gttattgttg tagcagtaga ctccaacccc tcaggcttct ggaaccctgt 300

ttggtttgat atgttttcta tggctaaaaa tattgtgact attaaaacca gaaatgaacn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntcagtt ttaaagctga 420

tgaggagatt gcaagaaact taaagcttaa gataacgttt ctaatgctca tactgaatgg 480

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<210> 2108
<211> 541
<212> DNA
<213> Mus musculus

<220>
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<222> (30)..(30)
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<223> n is a, c, g, or t

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<222> (50)..(50)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgtggttgct gtccaagcat aacaanacgg ttcagttttt gttgttagtt aagtgtttgc 120

tgcccaaaca taaggaaatg gttaagttaa taaagtgttt gctgcccaag tgtagacatc 180

caagtttaca ccccccaccc cccgcagaat ctatataaaa cctggacatg gcagtacgcg 240

tctgtaaact cactgctcgg ggtagagaaa gtggatgcta tcggcttgct tgctagacag 300

tctagttgaa atgctggcct tcacgttcta tgagagacca ccaaaaataa aacagaaatg 360

attgagaaag annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gtgtcatgta 420

ttgtgtgcat acctgaacgc acaccatcac acctaaccca tatgtaaaca aagataactg 480

actaccacct aaggaatggt gcccaaggct agcctcttgg cctccaaata cagatgcata 540

t 541

<210> 2109
<211> 542
<212> DNA
<213> Mus musculus

<400> 2109
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gagaaaagaa aagaaaaagg aaaaaaatta aagctgttaa gagctttgct aatgctggtc 120

tttctgccac cccatccaca catactgatt aaccataaca taattttcaa catctgttaa 180

tgtttttgct gctgtttgtg tgcataaata tgtctcttcc tagcctccaa cctaaaaatg 240

gataaagtgg atattaaaaa tgaatatcag tgaacatgga ctgtaaccat atctctggaa 300

attatgcttt tgtcattttt tatgtaattg ggcaaagata tgagtttgtt ctcttaggga 360

acacttgtcc ataagactaa acgtgatgac taattgaaag gtcgtggtta tatttcataa 420

aatggaatag aatatgtata gtccttttct taaaagcaag tttttgtgcc ttttttcatt 480

ggtcaggtta gtattgctca aaaaccactt ttaaggattt tagtgacttg accttgtgac 540

ct 542

<210> 2110
<211> 567
<212> DNA
<213> Mus musculus

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<222> (94)..(94)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

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<222> (254)..(254)
<223> n is a, c, g, or t

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<222> (256)..(258)
<223> n is a, c, g, or t

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<222> (260)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

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<222> (267)..(274)
<223> n is a, c, g, or t

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<222> (343)..(344)
<223> n is a, c, g, or t

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<222> (380)..(380)
<223> n is a, c, g, or t

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<222> (382)..(382)
<223> n is a, c, g, or t

<220>
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<222> (385)..(385)
<223> n is a, c, g, or t

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<222> (422)..(422)
<223> n is a, c, g, or t

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<222> (456)..(456)
<223> n is a, c, g, or t

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<222> (461)..(461)
<223> n is a, c, g, or t

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<222> (463)..(463)
<223> n is a, c, g, or t

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<222> (469)..(469)
<223> n is a, c, g, or t

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<222> (494)..(494)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (502)..(503)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (530)..(530)
<223> n is a, c, g, or t

<400> 2110
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naaaaaaaaa aaaaaaaaaa aagggaaggg ctgncctgag gcaaaaaact natttatgct 120

caatagttct gcctgaattc ttagggctaa agaaaaaaac ctgcctccgt gggaattccc 180

taacttttct tatggcaaac tgtattttat aagtttgact gaacaaattt gaaatacact 240

ttattaagaa taanannnan nnnanannnn nnnncatttt tggatgacag gcgggaaaca 300

gggagaaggg gtatgaccgg ctccatagta cagggccaat tgnnttttt tatttgggtg 360

ggaggcagtg aagggcttgn cnttncaaca gtgcggtctc caacctctct ccccccaatt 420

gnatatgttc aataaggcaa cgcttaactg aggtgntcaa nanattttnt catctgtaga 480

tgagtgggct tttnaccttg gnntgagtgg acagtgaccc gattcctctn atgggtgctg 540

tcacgaccca cacctgtggc tttggat 567

<210> 2111
<211> 464
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

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cctccctccc accncccacc ccccagcccc aaactgcctt tgtagtctgt caaccattgt 120

atcctatggc catagaaggt ttttttggtt tttgttttgt tttgtttttt taagattgat 180

gtaattctat ttgtctgttt tcacattctt ccctgtgttt tcttcggcat gtgtgtgagc 240

gtagtatcac gtgactccat tcatttttt ttttttaaat tttattttct ttgcagtact 300

gaggattgaa cccagggcct gtgcaggcta ggtgagtgct ctaccaaccg tgccacagca 360

tcagatccct attcactttt taaacttcct tgccttgatt gcccatatct tgctccctgc 420

tctatcactt ccaggtaaag agcctgactt ttctatggtg atgt 464

<210> 2112
<211> 386
<212> DNA
<213> Mus musculus

<400> 2112
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gcttgttaac acatccacag gaaggcccca cagcatggtc tagtggtgat ttctccagct 120

tgctcaagta ctacagccta tggagaaaca aaagacaata aagttccata gagcaagtct 180

acatatctga agctgcaggt gtttaaatca ctcagtccta acttttcaga aagagcagat 240

tcaaagaatc tcaagacagg taggagagac aaattataat tccctataat atgactgaca 300

gaataggaaa taatatacct cttatttcac catgtgctgc agatgaacca tttagctgac 360

cttctcttgc catccctgct aaaaag 386

<210> 2113
<211> 567
<212> DNA
<213> Mus musculus

<400> 2113
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ttgttcattc ttgtccctta tgagtccttc atattacaac caggttggat tatttttgga 120

gtgtaaatgt aattaatttg ctcatttaaa gcttatattc actggggaaa aaaaaagaag 180

ttagctgaaa cataaagaaa cctcatgaat ctaagaaatg ttccatatct tgctctgggt 240

agtatatctg taaatcttag caagccctgt atgtagtatt ttaagaactt tctgactttg 300

ttatccttta atttttaatg ctgttatatt aagaaaaaca catttataat aaatatggta 360

ttttaaataa aaagtattat atcttatagc tatttttcag ataaacaaaa acaaatttga 420

tacaaagtaa aatatgtata aggttggtgt tccagaacaa aatctgcagg aatatttaca 480

gcatggtata aagcaacgaa accaggtcat ccaccaacat tttgccttag attttctaat 540

atttcagcat atgagtagca cagtatt 567

<210> 2114
<211> 530
<212> DNA
<213> Mus musculus

<400> 2114

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ccaaggaagg gctcttcaca gctaagagca cctggctcca cgatggatat ggctttgtat 120

aaacgagaac ttctaaatga gctgtacaaa gagaatttag aacttgcgag gtactggtca 180

cagattatgc aagccagtgt atcatttttg tggggatgct agagagaatc atcaaattaa 240

agagttaaat ttagtctctg tgttttactt agtcccaatt cttgcaaagg tcatcattct 300

ttctcacacc gtgtacatca aggtatgtca ggtttcgggg acacttttta gtcttatcac 360

aagaaagcat gaagggatat gtgctaaaac tcagttcctg ggctggagag atagctcagt 420

ggttaggagt gctgactgct cttccagagg gcctgagttc aattctcaac aacttcgttg 480

tggctcacag tcatctgtag tgggggatcc gatatctaac cttcttctga 530

<210> 2115
<211> 480
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<400> 2115
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agttctctcc actatgctcc tcaggagata gcacagctct gtgtgggtct aatggaaaca 120

atcgtttgcg agtttattct gcatttacac cacactgctc tagagttgga ggtggtaagc 180

ttcatcatgt tttatagtta aggttgtact gttaaacaat agcacaatta agtttatagt 240

agaaataggg cttagagcgt cacatttcct agtatatttg ctatcattgc cttttctgag 300

atgagtatga gaacggtaaa ataaaaattc tcatttgcgt gagagtgggt gtgtttgatg 360

atagggacct tcagagctgt ctcagatcag catttggctt tttaggtggt ttgaacattg 420

tgtatctctg ttaatcatgg ccccatctct gtcctgaagc tggtgtctaa caagtgttcc 480

<210> 2116
<211> 369
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (210)..(210)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<400> 2116
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gaggtatcgc tctccaggga atggagttac agatagttgt tagccactgt gtgggtgctg 120

ggaactgaac ctatgtcctg gaagagcagc cagtgctctt aactattgaa ccatctcttt 180

aactcacaat ttagtgcttt taaagatacn aaaatatatt ctgctgggga attgacttga 240

tgggtcaaat gcttgccacg taagtctgag ggtcagagtt tagatcccca aattccagca 300

tncacacagt ggctcacaac tgtctgtgtc tctagctcca agggatttga caccctcatg 360

cagccacat 369

<210> 2117
<211> 426
<212> DNA
<213> Mus musculus

<400> 2117
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ccctgtgtgt gccaaacatg ccaccaaagc cagatcactt gatgtctcac tggaaccaat 120

gtgcttcagg tcctgtgagt tcctgttatt agctgttctc tatgcagaac atcacaatcc 180

caccagctat gcagcactgt tgttggggtg agcctgtggg gtctggttag gaccctatag 240

ttattccatg ttcactggtg acgcagctag gcattctccc aacaaaagta gctgagtttg 300

tggcagcctt tttaaatcag gaaatcagga tgcccagagc caaaggaatg tcatgccaag 360

gatagctagg tcaggctgtt gccttctgca gggccagaac acaggccact gttctgttta 420

ttcctt 426

<210> 2118
<211> 488
<212> DNA
<213> Mus musculus

<400> 2118
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aatgaccgag gtaccgattt ctgctaagtt ttcccaacaa catgaaactg cctattcacg 120

ccgtaattct ttctgtctcc cgctcacttt ctctctttct ctcgctctct ttctctcacc 180

gcgtccccat ctttcctcgc aacccccctct ccccgctgcc ctccctagct ggctttctct 240

cttgcttctc tcttttcctc ctctcccccc acccccaccc cctttggttt gacaattttg 300

tcttaagtgt ttctcaaaag agattacttt agttagcatg cgcgctgtga gcattgttaa 360

aaatgttctt aggtttactg tgaagagaat gtatcctgta tctgtgaatt gctttatggg 420

ggggagggag ggctaattat atattttgtt gttcctctat actttgttct gttgtctgcg 480

cctgaaaa 488

<210> 2119
<211> 139
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (86)..(86)
<223> n is a, c, g, or t

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<222> (102)..(102)
<223> n is a, c, g, or t

<400> 2119
cttctctcag catgctgcaa aacctgtggn ctctgacact anctccntcc nnagcccgtg 60

atnttgnact gnttgatgtc tcctcntatt ccgnatctct tngactctgg atctatctat 120

caaagcttgc tgctgctct 139

<210> 2120
<211> 461
<212> DNA
<213> Mus musculus

<400> 2120
aagggaaatg ctcttctcat ccaagaagtt caagaagaag atggaggaaa ttatacatgt 60

gaacttaaat atgaaggaaa acttgtaaga cgaacaacag aattgaaagt tacagcttta 120

ctcacagaca agcctcccaa gccattgttc ccatggaaa atcagccaag tgttatagat 180

gtccagctgg gtaaacctct gaacatccct tgcaaagctt tctttggatt cagtggggag 240

tctggaccaa tgatctactg gatgaaaggc gagaagttta ttgaagaact ggcaggtcac 300

attagagaag gtgaaataag gctcctcaaa gagcatcttg gagaaaaaga agttgagttg 360

acacttatct ttgactcagt ggtagaagct gacttggcta attatacctg ccatgtggag 420

aacagaaatg gacggaaaca cgccagtgtt ctactgcgaa a 461

<210> 2121
<211> 535
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (110)..(111)
<223> n is a, c, g, or t

<400> 2121
tacattagcc gtcatccctt gtacagccaa ccttcctggt cctcaggcat tgggggacat 60

cttcatcctg tcagctccat gctgtcctgg gcgtgtgtct cctcacacgn ncagtgtgtc 120

tcctcatttc cacactgaac atgggaatct gaaggtggat gtcaggcagt ggtgggcagg 180

ccattaatcc tagcacttgg gaggcagagg caggcagatt tctgagtttg aggccagcct 240

ggtctacaga gtgagttcca ggacagccag ggctacacag agaaactcta tctagggaaa 300

aaaaaggggg ggggaatctt gaaggtgagg ctggagagat ggctcagtgg ttaagagcac 360

tgagtgctct tcctgaggac ctgagttcaa atcccagcaa ccacaaggtg gctcacaacc 420

atatgtaata gcatccaatg ccttcttctg gtgtgttaga agatacctac agtgtattca 480

cctacatgaa atgaataaat cttaagaaaa gaatctgagt gtgaactact tgacc 535

<210> 2122
<211> 480
<212> DNA
<213> Mus musculus

<400> 2122
gatgttccct gtgagtctgc gggctcaaag tgaagaactg tggagcccag tccacccctg 60

cacaccagga ccctatccct gcactgccct gtgttccctt ccacagccaa ccttgctgct 120

ccagccaaac attggtggac atctgcagcc tgtcagctcc atgctaccct gaccttcaac 180

tcctcacttc cacactgaga ataataattt gaatgtgggt ggctggagag atggctcagc 240

gctgactgct cttccaaagg tcctgagttc aaatcccagc aaccacatgg tggctcacaa 300

ccatctgtaa tgggatctaa caccctcttc tgcagtgtct gaagacagct acagtgtact 360

tacatataat aataaataag tctttaaaaa attaatttga aagtgacctt gattgttaac 420

atcttgagct agggctgatt tcttgttaat tcatggattg agaatactta gaggtttgtt 480

<210> 2123
<211> 554
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<400> 2123
tgagcctctg gtactggtgc actgtggctt ctgctctcac gcctacacac gcctgtactc 60

cagagttcta aacttggctc agggtgctaa cagctgnagn ctgagaagac agatggtgac 120

ncacnggggg aagggatcag atggagcagg gcaggccaag gaggacagga aggaaagaaa 180

ggctcctctt atgggtgaga agctgagact cttcagatca cagctcacgc ctgtttagag 240

acaggtgttg agtttgtgac aggcttgaga ttctaccagc ttgcaggctg acacagtagc 300

ctgctgttgt atagatgtca gccggtcata ggcagttttc agtgcagcaa aagcagtagc 360

tagactgtta ggcttgttgt cttgggtccc cttgttcttc caggtcttta catggaaggg 420

ccaggcaggt gttgtgcatg cagtaggttt gcattatacc tacagaccac tgtgcttgtg 480

aaatttgaca tcctcatagt gaattaaaca gattggtgct ttgtcaagga aaagatacct 540

catccttcca agat 554

<210> 2124
<211> 306
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (220)..(220)
<223> n is a, c, g, or t

<400> 2124
ggccccggca ccatgtcgga gaagagcgtg gaggcagcgg ccgagctgag tgccaaggac 60

ctgaaagaaa agaaggacaa ggtggaggag aaggccggcc ggaacgtatc aggagagaaa 120

cagaggaaaa agaagaacgc cgtagggcag aggatgagca gagagaaaaa aaaaaaaaaa 180

aagagaccgc aaaagacnta gagagataag caagnctctn ggccactgta gttagtggtc 240

agagacagga tagacagggg ggagagcgga ggaggcccca acttgataag gaccaatgcg 300

cctact 306

<210> 2125
<211> 199
<212> DNA
<213> Mus musculus

<400> 2125
agaggccacc agagaaacaa gatatcagga acactaaaga cccttccatt cttggaaggc 60

ctggattgct cactaagact tttggtagag ggcttctcga aattagttgg aagcacaggg 120

catgtacata tctgtggaag tagaaagttt ctttcaactt tgccttcctg agaatattat 180

catccctctc aacgcaaac 199

<210> 2126
<211> 293
<212> DNA
<213> Mus musculus

<400> 2126
atggagaatg tgaccagagt tcggctggta cagttccaaa agaacacgga tgagccaatg 60

ggaatcactt tgaaaatgaa tgagctaaat cattgtattg tcgcaagaat catgcatggg 120

ggtatgattc acaggcaagg tacacttcat gttggtgatg aaatccgaga aatcaatggc 180

atcagtgtcg ctaaccaaac agtggaacag ctacaaaaaa tgcttaggga aatgcgaggg 240

agtattacct tcaagattgt gccaagctac cgcactcagt cttcgtcctg tga 293

<210> 2127
<211> 156
<212> DNA
<213> Mus musculus

<400> 2127
gtggctctgt ggtgactttt actacacccg tgcaaattaa ccagtatggc attgtccaga 60

tccctaattc tggagccaac ggccagttcc ttaatgggag cattggattc tctccactgc 120

agctgcctcc tgtctcagta gcagcttcac aaggta 156

<210> 2128
<211> 346

<212> DNA
<213> Mus musculus

<400> 2128
tacatatggc cctatcctgg caggaccacg gtcggaccct gctctgccag ttctcattgg 60

gcgcacacag tagtcggaaa gaggtttacc tgcaagtgcc acatgccccc aaaggtgtgg 120

agatcctcct cagctcctca gggaggaaca tccttcccgg ggatccagtc acactcacct 180

gcagagtgaa cagcagctat cctgctgtca gtgccgtgca gtgggccagg gacggagtga 240

acctcggagt cacgggacat gtgcttcggc tgttctcagc agcctggaat gattctgggg 300

cctacacctg ccaagcaaca aatgatatgg gctctctggt gtcatc 346

<210> 2129
<211> 378
<212> DNA
<213> Mus musculus

<400> 2129
ttcaaggtac tcctgcctga agagggtggc gggaggagca ggtggaggtc agccgatggc 60

cagagtgagc ctagggggca gaggctaagg cggcttctag agaagggtgc tgcctgtagt 120

agaagtctct ggtccttctc actgagtttg ggatgggggg gggatgctgc gttaccgtgg 180

cgaccctcgg gagggtcagc ctcagaggta tccaagaggg agtttttta aaaaaaaatc 240

aggataattt cagagcgcct accaagggcc ttccttatct ttgctacgaa atagaaaaag 300

ttagaacctt ggatcgggcc agtccatctt ccttaaggtt ccccgaacct ctggatgaac 360

acccagaccg ttttgtat 378

<210> 2130
<211> 180
<212> DNA
<213> Mus musculus

<400> 2130
tacattagtt acagtggtgg cactttctac aatccatctc tcataagtcg aatctccatc 60

actcgagaca catccaagaa ccagttctac ctgcagttga gttctgtgac tactgaagac 120

acagccacat attactgtgc aagagcggag ggagatggtt actacgggta cttcgatgtc 180

<210> 2131
<211> 149
<212> DNA
<213> Mus musculus

<400> 2131

gatgttccct gtgagtctgc gggctcaaag tgaagaactg tggagcccag tccacccctg 60

cacaccagca ccctatccct gcactgccct gtgttccctt ccacagccaa ccttgctgct 120

ccagccaaac attggtggac atctgcagc 149

<210> 2132
<211> 156
<212> DNA
<213> Mus musculus

<400> 2132
ctcagaggcc tacttttaag cagctggtgg aagctctgga caaggtcctg ctggctgtct 60

ctgaagaggc tggaagctga ccagctctgt tccttgcagt accttgacct ccgctggaag 120

ctgaccagct ctgttccttg cagtaccttg acctcc 156

<210> 2133
<211> 187
<212> DNA
<213> Mus musculus

<400> 2133
tttttgcagc tctttcctgg cacaggggag attgctgtgt gcgagacatg caggctcggc 60

cggggaaaat gcaggagagc atgcatagag agtgagaaga ttgtgggctg gtgcaagctg 120

aacttcttct gctgtcgaga gaggatctga acccaacgac caatggcctt tggaccttgc 180

aagccgt 187

<210> 2134
<211> 129
<212> DNA
<213> Mus musculus

<400> 2134
aaagagcctt gctgttggtg gttagctaaa gtgaggatga taaagggtga ggtgtgccaa 60

agaatcagca cataaggatt ttaaaaaggc agttggtgcc ttctctgtaa cttatgatcc 120

agaaaatta 129

<210> 2135
<211> 495
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (63)..(63)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

<400> 2135
gtgcttcctg tgaagtcacc aaggttgtgt cagacctgca tcacggactg ctttatttgc 60

atntaagacc ccacccccta catccatcat caggagtgtt cctctagagn ntaaagnttc 120

tgtttcaccc ccacctcacc ccggcaccat gtgatttcca tacactactt tcattgacta 180

aggatgccca aaagcatgaa agggaagcaa aaggcattga aacacngaca ggtggcacct 240

ggggaggcac cgaaggtgtt ccggggtgtg ggggaatctc anctgaggga aganntgacc 300

gtgactatga gatgacagat cagaaccata ttaaacctga acggagcaac agcatcagct 360

tcacagcttg atggcagagg tgacatcagc aacaaataca ngagcgggac cccaacttgt 420

cacatttctc tcaaaccctc cccctctaaa cattgaaagt ntggtaaccc gacacctcat 480

ttctctcaaa tcctt 495

<210> 2136
<211> 484
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<400> 2136
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ggnccngcac caccgaaatt ctgtctttta caaactggac caangcggtt gagaanacan 120

gggtccgaag agtaggatta ataagagtat tannaagggg ccctgattcc gaggngtgtt 180

tcctcgctta agggaaataa ggtcccatga tgatgatggc ttccagtatg cctgtccagt 240

ggtctcacag ccccatttgc cacagtagcc ctctctcggg cctccacacc ctgttggtac 300

agtatgcccg gggcaaacat agaagtcaaa tgttcttgcc ctttttcttc ccccgggagt 360

gcgacacccg agtccagtct catcccagtc gtcccctatt aaatcgcaca agtcaagtac 420

agtttgggaa aggcatcggt cattgtcccc aggagggagg tagcattagc tgtttgtcct 480

gtca 484

<210> 2137
<211> 455
<212> DNA
<213> Mus musculus

<400> 2137
tacttttgtc tcatgataaa cccagacatt ctttaagtaa atgaacttgc acacaataaa 60

aagacaggaa tgaagtgcat caataattga agcctatccc aggcctaaca ggcaaaccaa 120

gggtaagtta caatgcatct tcaacctatc ctaagtgagc aagtggatat tttgaatgtg 180

atgccaatgc aaggaatcaa aggcaaaaga gccatttgtg agccatagga aaatctgagc 240

tgcctctcct ctctgccgct cttagccccg accgctcagt gcatctcagt atttctcaaa 300

ctcagtgcat gatcctaaat accaaaatcc cgcttgggtt tccttgctgg ttcctgaagc 360

agaatgctcg cctttggaca ggaactgtcc tttgcatttg gcagcccttt tgaagagttc 420

caaccaaact gtaaagtggc ccgtatcaaa actgt 455

<210> 2138
<211> 556
<212> DNA
<213> Mus musculus

<400> 2138
aagtctcatg caatagccag ctctatccag agcatcagac actctattct ctgagcgtta 60

agaagagtca cgtgagtaaa gtatataatc aaagtcaagc tgcatatggc aaaaacatgt 120

ttttccataa aggtatataa ataacagctg aagtaaactc tctcctatct gctacacatg 180

agaggagcat gaacacacat tccaagaaca attctctttt tgaaaaaact aaagtcacaa 240

gactcttgtt ttttcacaag cacttagaaa tcttaggtct tcattcttgg actgggtgac 300

aataagttag agctaatgta gactttgaga ccatgtctca aaaacaaaaa caaaaactct 360

ccccccctac agacacacac acacacacac acacgcaacc tatgtgaatg ttagttttca 420

taggcaacaa gaggccagaa agctccaagg aggattataa ggtaatccaa ttcatgtctt 480

atttacatgt ataaaattct aatactaatc agactgaatt ccctgctatg aggtcaatgt 540

gttgcattgg ctctaa 556

<210> 2139
<211> 336
<212> DNA
<213> Mus musculus

<400> 2139
agtgagtgtc tacgtttcgt ggcccttaag ggaaaaaact agactggcat gagtaaacaa 60

ctgtgtccct aagtttagta tatttatcag gagttatctg gtgcttcagc cgatgatcac 120

agctagttaa gagactcttg gagtaggagc attccaaggc ttgcctaggc tacagactgg 180

gctcaacata agcttagata actgaccaac accctgtctc acaataagaa gctgggctgc 240

agctgaatcg tagattactt cgtagatctc gcaaggcccg aggtgcagtc cctaatgttg 300

cagaaagaaa agaagtacaa tattgcactc ctgtaa 336

<210> 2140
<211> 545
<212> DNA
<213> Mus musculus

<400> 2140
gaagttttca cgcagaagct agaggaaaat aaatgataca taactgccgg taggggccag 60

atggttgtac tgagatgcct tagatacaag agaaaataaa ccgttgtgat tggtaattcc 120

aaccactgga ttaaatcaaa ggggtctcag gtaggagctg gaaatggtgg ctgagtctga 180

ataaaaatcc tggcatagag cccatcacca gcacagtggg gtagggacac ttgaagcatt 240

gtatttgtac atatttttcc agaggatttt atttgattga agaaaagtag tgtatgtgtg 300

tgtgtttgtg tgtgtgtgtg tgtgtgtgta tgagtgtagt gtcactcttg gctatatagt 360

gagaccctat ctcaaattac atataagatt gtgtatgtgg catttgaaac acattgccta 420

caattttctg tggcattaat tgcattcata atgccattaa gtatcatcag tgtttctcaa 480

acattttagt catcgcaagc agacacttga tatctattaa ataataattc ctattccctg 540

gcctc 545

<210> 2141
<211> 459
<212> DNA
<213> Mus musculus

<400> 2141
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tgtaaacaat ggtgataagc aaggtagtga tgataaaaag aaggttgtta agggccaaga 120

tttaacttat tctctgaagt caactgatct cccagccaac cgtgcctttg atgttaattc 180

gtttaagttt gtcgatgtct tgccaaagga agtcgattat aaagctgcca aagtcttttc 240

atcagatggg aaaactgacc taacaagcag ctttgatact aaattcgatg agaaatcgcg 300

aacagtcaca tttagtgcaa atgctgaata tttaaagttg atgaactctg acaaatcaaa 360

gacctttgta aagccaattg ccaatatctt atgtctcagc aaatacagac ggatctagct 420

tccaaaacaa gtatactgaa ttcctgctct agtattggg 459

<210> 2142
<211> 463
<212> DNA
<213> Mus musculus

<400> 2142
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aagccagctt agtactctgg ctgaatcgca tcctgctgtg gaaccccaag tcccgcgtca 120

ggggcttcct cctcagtcat ggggtccatt tcttcctcca cactcttcag cttctcctct 180

gaatccctct tcatctctgg gtcatctgtt tccagctcat cctctggatc ctgaggcacc 240

atactggagg tctcctcctc ttttacacct gcatctttct ccacctcctc ggactgcagc 300

ttcctcatct catcggctga agcctcggcc tccacttggt cctcctcttg gtcctcctct 360

tgcattttct ttcccagaag atctgtgctg tccttggcat cttgggttga aggtggatcc 420

gagctggcct tgtggttctc ttggatgctg gtgtggctac tgc 463

<210> 2143
<211> 216
<212> DNA
<213> Mus musculus

<400> 2143
ttcaccacct actggatgca ctgggtgaag cagaggcctg gacgaggcct tgagtggatt 60

ggaaggattg atcctaatag tggtggtact aagtacaatg agaagttcaa gagcaaggcc 120

acactgactg tagacaaacc ctccaccaca gcctacatgc agctcagcag cctgacatct 180

gacgactctg tggtctatta ttgtgcaaga tatttt 216

<210> 2144
<211> 131
<212> DNA
<213> Mus musculus

<400> 2144
aagcaccgag agatgtagcc atgttcgtcc tgcctttctt cgtgcttgcc agtgatctcc 60

accacgcctt ccttggtctt cactgtgagc tcctccggag cgaagtggtt gacgtccagg 120

gacacgcgcc a 131

<210> 2145
<211> 451
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<400> 2145
tggatcgcgc ggacgcttgg ctcctccgca aggcacatga gacagctttt ctctcctggt 60

tccgaaatgg acttctgtca tccggcattg gggtcatctc cttcatgcag agtgacatgg 120

gccgggaagc tgcctatggc ttcttcctgc tgggtggcct gtgcgtggtg tggggcggag 180

cctcctatgc ggtgggtctg gcagcgctgc ggggacccat gcaactgtcg cttgctggtg 240

ctgccgctgg tgtgggggca gtgttggctg ccagtntgct ctgggcttgt gcagtaggtc 300

tctacatggg ccagttggaa ctggacgtgg aactggtgcc tgaggatgat ggggcagcca 360

gtacagaagg cccagatgaa gcgggcaggc caccccctga gtaaacaaca gggctgtggg 420

gactggctgg gcctgacgac tgggacatta a 451

<210> 2146
<211> 262
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<400> 2146
acgacgccgg cgagtttgtg gacctgtacg tgccgcggaa atgntccgca agcaaccgca 60

tcattgctgc caaggaccac gcgtccatcc agatgaacgt ggccgaggtt gataggacca 120

caggccggtt taatggccag tttaaaacct atggcatntg cggggccatt cgcaggatgg 180

gcgagtcaga tgattntatt ntccgattgg ctaaggctga tggaattgtn tcaaagaact 240

tttgagcaga agaaatcggg aa 262

<210> 2147
<211> 325
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<400> 2147
ataattggtt agtgtttgca tagaaaattt gttctaaagc cctttaaaat ttttagggaa 60

atcttgaaat cttanagcac ttactttgct aatgtatgcc cttatctgtc cttacaggta 120

cacgtagctt cctcgtggtg atttatcata ttacatangt agagcttgag ttcatgctat 180

ttgttataaa ttatcttagt tactttagac actgcttccg tttgantttt aattattggt 240

tttaaatacc aaattaaatg ctggtttgtt ggttgttgtt tttaaatgat tgttccttca 300

acagcatccc ctcctgacgg atggg 325

<210> 2148
<211> 450
<212> DNA
<213> Mus musculus

<400> 2148
gaggatatcg aagtccccaa ggccatgggg gacatttttg agtctcttgc tggtgccatt 60

tatatggaca gtgggatgtc tctggaggtg gtctggcagg tgtactatcc gatgatgcag 120

cctctaatag aaaagttttc tgcaaatgtg cctcgttctc cagtgagaga attgctcgag 180

atggaaccag aaactgccaa gtttagccca gcggagagaa cttatgatgg aaaggtcaga 240

gtcaccgtgg aagtggtggg aaaggggaaa tttaaaggtg ttggccggag ctacaggatc 300

gccaagtctg ctgcagcacg aagggccctc cgcagcctca aagctaacca gcctcaggtt 360

cctaacagct gaagcttccg gactcacagg cggcaagaca gcggaccaga accacagctc 420

cacggcacaa ggatggttcg ggctgacaca 450

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<223> n is a, c, g, or t

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gtggactctg catggcacca gagagatggc ttagtgttta agaccctgag ctgctcttcc 120

agagnatgaa ntcagttccc aggaccccat atagaggggg ctcacaacca tctgtagctn 180

tagcttcaag tgatntgatn ccatgttcta ggcatntgca ttaacgtgcc cgcgtgccca 240

ntcgtgatga ttcagagaat acagcctggt tgtctacaca cacacacttt gaatgagaat 300

ggcccctata tttgaatatg ttaggtccat gagaaggcac cttggaaa 348

<210> 2150
<211> 503
<212> DNA
<213> Mus musculus

<400> 2150
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tacaccaatt caggaattgg gggagctaat tatttaaaac tatcagcaat gaaggatata 120

gtactaagta aaattaattt tttttttgc ttttgttttg agacaggatt tcactatgtt 180

gctctgggct gggctgtaac tcactctgta gaccagacta gcctggaact caagagatct 240

gcctgtctct gtttcccaag tgctggggtt aaagtgcacc accaagcctg gtggaattgt 300

cttaatggat tgaagtgtgt aaacttcatg aaacctgcct ttggttacag tacctttgcc 360

tttaaaaact attcacagta taacgtgtgg aagtttggat cacagtcttc catttcattt 420

ctagtagtta ggatacctaa aagtttagtc catcatctgt gtttcaaatg tttaattaga 480

agggtgcaac tcgtgtcaaa taa 503

<210> 2151
<211> 447
<212> DNA
<213> Mus musculus

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gaggagaatg accagctgat ccgctgtatc gtggagtatc agaataaggg ccgagcgaac 120

gagtgcgtcc agtatcagca tgtgttacat agaaatctca tttatttagc taccatcgca 180

gacgccaaca caagcagtct cacaaaggca gtggagtagt tttccagaag gctgtaatga 240

ggactgattg gaacccatct cctgggaatc agagagctgc tcagaacatg ggcaaaaagt 300

cccattcatt ttagactgtg aagaaactcg ctaccaactc tactgtattc tgactataaa 360

tatttattaa taaaacagat cccacggtag aacctgagga cctgcgagga cctgaggtgt 420

atgacagcgg tgtcattgtc aacaata 447

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<211> 379
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (226)..(227)
<223> n is a, c, g, or t

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gcagtccagg ctccgcaggc agcagcaaaa cgcacccctt tttgggaaga ttcgtagtac 120

ccgatttggc accgaggaag ccggagacgg agccagcgac ctggatgagg atgaggacct 180

gcaaatccag gtggcctagg acatccaggg tggaagagga ccgacnnccc aaagcacaga 240

tgcccagcgg agcatcctct caaaccctga cagccatctt tcgctgtctg tacgcacttg 300

ggttccaccc ccctgcttca aaccacttcc ttctctccca ggaaagcggg agtttcacct 360

atcacacccc tgtgaaggg 379

<210> 2153
<211> 420

<212> DNA
<213> Mus musculus

<400> 2153
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gagatcgtct tgggactgct ggtgtggact ctcatcgctg gcactgagta ttttagagtc 120

cctgcttttg gctgggtaat gtttgtggct gtcttctact gggtcctcac cgtcttcttc 180

ctcattgtct acatcaccct gacttacacc aggattcccc aggtgccctg gaccacagtg 240

ggcctgtgct ttaatggcag tgccttcgtc ttgtacttct cagctgccat agtggacgca 300

tcttctgtct ccccagagaa ggaagggcac aacttcaaca gctgggcagc ctcctcgttc 360

tttgccttcc tggtcaccat ctgctatgct ggaaacacgt acttcagttt catagcctgg 420

<210> 2154
<211> 463
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (130)..(130)
<223> n is a, c, g, or t

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<222> (135)..(135)
<223> n is a, c, g, or t

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<222> (141)..(141)
<223> n is a, c, g, or t

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<222> (150)..(150)
<223> n is a, c, g, or t

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<222> (205)..(205)
<223> n is a, c, g, or t

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<222> (207)..(207)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtacctttag ttgtgttgnc atggaananc caccagtaag tnctnacagg gaaatgatcc 120

tgaantgaan gaganctgct naacactggn tagcattcta aactgttgta gaattaaccc 180

accttcatat cttgtttctt gttantnttc ctgtaatttt tatgagattt tatcagcact 240

aaggacctga atnaagtata actacagatg acatagttct tgtcctggtg tcaaggcctt 300

ctttccacac cactctgtgt tatttttttc agagtttatt ctatatgctt aagggtggaa 360

atgaagatct ttctctggtg ctcgggatta aacctatggt catgttaggc aggccgtctc 420

ccgttgagct gtacctactt caaagatctt ttaccttcga ctt 463

<210> 2155
<211> 559
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (198)..(198)
<223> n is a, c, g, or t

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<222> (343)..(343)
<223> n is a, c, g, or t

<220>
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<222> (490)..(490)
<223> n is a, c, g, or t

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tgtattctag acacattgtc agagtaccat ttgcatttca aaaatacaga gttggattga 120

acataataac atntcttaaa atcctancac ttggaaggac cctatcacaa ggcaagagaa 180

ttgtatacag tgaccctntc ttcaaaaacc acaaaccaaa gaattatcca gtgaatgccc 240

cacatctttg tgtatatggg cagcaggggg ttatttaaaa agaaaataag atttgcagtt 300

cagagagaga tgggaaatag gacaggggaa gtggatttga tcnaacgaca ttatgtatac 360

ataaaattcc caataataaa aatatgaggt atttttaaa taggcagttg gaagaatggc 420

tcagtggtta agagtaagtt ctgctctaga agaggactga agttcagcag ccacactggg 480

ctgctcacan ccacctgtac ctgcagctcc aggagatctc acaccctgat actcacaggg 540

acctcacgtg cacacattc 559

<210> 2156
<211> 451
<212> DNA
<213> Mus musculus

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<222> (243)..(243)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

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gcggacctgt ggagatccga gcagacggcc tggacatccc acagcttctg gaggctgtgc 120

tgaggctcct gcccctggac acctacgtgg aaagcccggc tgctgtcatg gacctggtgc 180

ccagtgacaa ggagaagggc ctgcagaccc cgatatggaa gcgttatgaa tcccttcttc 240

tcnaagctga ctgtaaaaaa accctgatga agctagagag atttgaattt tatgaacgtg 300

caaaaaaggc atttgctgtg gttgcaaccg gggagatggc actctatgga aacatcatcc 360

tcaagaaggg naactcttga cctcggaccc tcatagagac caccttccct tggcagcaac 420

cagacctgga catcagcctc gggctcaaga a 451

<210> 2157
<211> 121
<212> DNA
<213> Mus musculus

<400> 2157
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cctgaattta cctggcgtct acacttccga aaagccatgt cggcccaaat cagagtaact 120

c 121

<210> 2158
<211> 500
<212> DNA
<213> Mus musculus

<400> 2158
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agagctccga atgctcaaca aagaactgat gacgtatttc cagccgtcag ccataagatg 120

cctgcctggt gaggtattca aagagctgtc cacggagcag atcgcttccc tgggtcctca 180

gaatgcagcc tctgtaaccc actcccagcg cctgcagctc agctcggcac agctgcagag 240

cctccagagg gcactagatg gcgccaagac tcactcctgg cagaccgatc ctctgagttc 300

cagccctacc tggccagcct ccactgggtc cccaacagga gagcctgcct cccaggcgct 360

ttggcttggc tgtaccctgc tgcttctgac ggccaagtcc tgatgccgag tggcctgttg 420

agtgttgcaa gaagctggtg aaggtgtgca gagtcagaag ctgctttcag acgggggaga 480

cctttacctg aggagcctta 500

<210> 2159
<211> 382
<212> DNA
<213> Mus musculus

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ttgtatttgc attcaagggg aggaaacttc ctgagaatta caacgaagcc aagttcctga 120

cctttgggat gctgatttac ttcatagctt ggatcacatt catccctgtc tatactacca 180

cattcggcaa gtatttgccc gccgtggaga ttatagtcat tctgatatcc aattatggga 240

ttctctgctg tatattcttc cccaagtgct acattattct ttgcaagcag aagactaaca 300

ccaaatcagc cttcctccag atggtttaca actactctgc tcacagtgtg gacagccttg 360

ccttgagtca tgtttccctg ga 382

<210> 2160
<211> 134
<212> DNA
<213> Mus musculus

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atgttatgga aggcccatga aaacatgtaa agggtgtgaa gcctgagaaa gtctggcaag 120

tgccttgaac acaa 134

<210> 2161
<211> 240
<212> DNA
<213> Mus musculus

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tggactgcaa tgaccagaat aaacccaagg aagctatcaa caaagctggg gcagcatcag 120

actccacccc agatgcaggg attggggaca atctgcatga tggcccagag ataaaggcag 180

actcgataag gaatgaaaaa gtgacctcac cttgaaaagc acatgagctg ggctgtagca 240

<210> 2162
<211> 536
<212> DNA

<213> Mus musculus

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<222> (222)..(222)
<223> n is a, c, g, or t

<220>
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<222> (238)..(238)
<223> n is a, c, g, or t

<220>
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<222> (244)..(244)
<223> n is a, c, g, or t

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cctgcagtgt gagggggtcc ccgcgtgaca gcctctgtcc cccactgaca gccccgcccc 120

tgggagctgc cagaggcagg aaggcaagct aaggcataga aacctggttt tagctccggc 180

tctgggtgct gtaaaacctn nccgcatcca gtgtcctgaa cnaccgggcc accaaganca 240

gctncaggaa gaggttgacc agacgaagcc ttcctggttc ccttggctcc attggacttc 300

tttgggtaac ctaagcagtc tgtggcccag aaacccggga agaacccagg aaacacccca 360

ttccggctaa gggtgggacc cgctgaaggg actcttggat ttgaaggact gcttcacatc 420

tcacctgcct ggccctgctg ttgctttaag tgtgtattgg gggcttgtac agtgaacacg 480

gctcatgtct acagcattgg atcacagaaa cagtggccgg caatcatcgt ttctat 536

<210> 2163
<211> 468
<212> DNA
<213> Mus musculus

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agtccatcgt ggactttgtg acgagccacg ggaacatcaa ggccttcatc tccatccaca 120

gctactccca gctccttctc taccctatg gctacacatc agaaccagct cctgacaagg 180

aggagctgga tcagctagca aaatctgctg tgacagcctt gacatctcta cacgggacca 240

agttcaagta tggcagtatc attgatacga tctatcaagc cagtgggagc actattgact 300

ggacctacag ccagggcatc aagtattcct tcacttttga gctgagggac actgggctca 360

gaggtttcct gctgcctgcc tcccagatca tccccacagc ggaggagaca tggctggccc 420

ttttgaccat catggaccac actgtcaaac acccctactg aagaagct 468

<210> 2164
<211> 457
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (415)..(416)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atgtcttact ggcaaccaca caactcaggg aaaggagtgc ctgggggtgg ggcacaggcg 120

ggcagcacng agggaccctg ccctgcccct ccccagctct ttccccatnt cacccagcag 180

ccactgcctg gtgggcctgg ctaagggtgt gtgctgctcc ttaaaccact gctccccaga 240

acccaaggca ggccacctcc aacctgtggg atgtcgtcag gattggaact attctgtacc 300

tactggcttt gggcttaaat tttntcttct gaatttgaat gcttgacccc aggaaggagg 360

agcaggtgtg gggctaggta cctggacttc ncagtttaga acaagctctg gnccnngncc 420

gggccaggcc aggcctaggg agccaaggcc tagctgc 457

<210> 2165
<211> 439
<212> DNA
<213> Mus musculus

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<222> (323)..(323)
<223> n is a, c, g, or t

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<222> (346)..(346)
<223> n is a, c, g, or t

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<222> (351)..(351)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

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aaagccttca tagcgagtgg atgggatgag gtgtggcaca catccccggg agtgctcgtg 120

ggaagtggcc tccacagaag gtagtcatct tcatcctcta ggacatttaa aacatgctca 180

gtccctggac ccagatgatg gcttctcagg gcaagtcata agttatcagg tccacttgtc 240

tggaagaata acaagaaagc tgctgctttc gagatcaccc gccagaggcg gggcacgagg 300

cacactgtgt tatactgcat gangccatga attgggctag aggaancctt ntcatcagat 360

actgaccata gcatgtgaca ctcagacttn tcagctcctg tgcatcccag tgtaggctct 420

gaggccacat ggaaactct 439

<210> 2166
<211> 443
<212> DNA
<213> Mus musculus

<220>
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<222> (293)..(293)
<223> n is a, c, g, or t

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<222> (302)..(302)
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<222> (305)..(305)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

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<222> (334)..(334)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (375)..(375)
<223> n is a, c, g, or t

<220>
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<222> (402)..(402)
<223> n is a, c, g, or t

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ggtgactctt ctgatagagc cctactcctg gacagagatt gcttttggga ggtggagtgg 120

gggcttgaag gtcaggcatg aaggccagtt tagcgtctgg gcctcccagc tctctgggcc 180

tctgtccatg tttggaaagc cccaccccta cagccctgga tcctctgttc agaatcaaag 240

cagcccttcc ctgccccggc catgtgattg tgtttggtga ttgactgaag tgnctggtgc 300

tngtntccct caancccaac cccctccatg gagnccccct cccagtgaca ctacctgggg 360

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ctgtaccttg aaagctgctg ctg 443

<210> 2167
<211> 258
<212> DNA
<213> Mus musculus

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ttaaatccag tgaggacaaa gaagtcatct ttttatttgt gtttgtgtgc cctgagtggg 120

cagtgtgtgt cagagtcggc ttgggggtcc aggccagccc ctgctagaca ccactacagc 180

tcagagtggc gtggggctgc ctcagatatg agcctgcaag gctgcccttg gtgttggtag 240

gaccttagcc tgattgct 258

<210> 2168
<211> 539
<212> DNA
<213> Mus musculus

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<222> (146)..(146)
<223> n is a, c, g, or t

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<222> (266)..(266)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (461)..(461)
<223> n is a, c, g, or t

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<222> (471)..(474)
<223> n is a, c, g, or t

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actcacagat gatgctctat ccttactcct acgactataa gctgcccgag aactatgagg 120

agctgaatgc cctggtgaaa ggtgcngcaa aggagctttc cactctgcat ggcaccaagt 180

acacatatgg cccaggagct acaacgatct atcctgctgc tgggggatct gacgactggg 240

cttatgatca gggaatcaaa tattcnttta cctttgaact ccgggataaa ggcttctttg 300

gctttntgct tcctgagtct cagatccgcc aaacctgtga ggagacaatg cttgcagtca 360

agtacattgc caattatgtc ctagagcatc catattagtg aagaatntgg attgccttat 420

tttnaaattn ttactgttca ttccttgtct gatgtgactt ngtttgtttg nnnngaggtt 480

tgcagattct aatctttctc ataattttct tgatgtaatg accaattgga cccctgaaa 539

<210> 2169
<211> 445
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (272)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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<222> (321)..(321)
<223> n is a, c, g, or t

<220>
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<222> (323)..(323)
<223> n is a, c, g, or t

<400> 2169
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tgctcatctc agatgccgcg cacgtcacta gcgtgaggaa aatgggaaag acttgaataa 120

gggttgctca cctgctgctc tcggagaatc agtcttgtaa aggacagccc gctgtggtta 180

cccatgctga ctctgcagcg cccacatgct ggttggagga aggcagtgaa cgctttagtc 240

atcaggaact ttgtgagatc agggtgggat cnncntctta caacttctta aatctgtatg 300

ctgcccgttt taatatattt ntncttctga tgttcaagtt taaaagggtt ttctatccac 360

tgtcaatttt aattatataa cattttgtca aggttttgtt tggttttgtt ttccctttct 420

gattgttact tgatgctagc tggaa 445

<210> 2170
<211> 367
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<400> 2170
gagccagcag gagattctga gacaagtgaa tgaggtgaag aactccatga gtgaaactgt 60

gcggctggtg agtggcatcc agcacccggg ctcagcaggc gtctacgaga caactcagca 120

cttcatggac atcaaggaac acctgcacgt ggtgaagaga gatatcgaca gcctcgcaca 180

gcgcagcatg cncatctaat gaaaaaccaa aatgcccaga cctancancc attcccgtcg 240

tgtctatcca cgatccactt tgtgatattt gtagtggtgc agacagtgtt gttcgttggc 300

tatatcatgt acaggactca gcaagaagca gctgccaaaa aattcttttg accttcattt 360

tcctata 367

<210> 2171
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
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<222> (359)..(359)
<223> n is a, c, g, or t

<220>
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<222> (363)..(363)
<223> n is a, c, g, or t

<400> 2171
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gggactaata gatgaggttc aagcgtttta ttacatcttt ctttagaaca gaaaatctat 120

gtgtgtgctt gagtactgcc ttaaaagtaa aagcctttcc tagggagttc ctggttggtc 180

atttgtcagg tgcagttccc ttttgcagat catcagcctc agaaacgttc caagtcagga 240

gaggaggcat gtcagttttg gacatcttgg acgtgaagct aactgtaaga aatgacggtt 300

tagtgtttgc actgctaggg gataggaata gtgttggngg attgtgccnt aatttattng 360

tanattaaat gagtctagaa ttttcttcag gtgtaagcaa agtagagctg gctttggccg 420

aggctcaata cagcactttc tcccagtaga agaaaagaca gctaatggaa tgagtcatgt 480

ctttcactgc tttcctggga ctttctgtat tttg 514

<210> 2172
<211> 373
<212> DNA
<213> Mus musculus

<400> 2172
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gacaggttcg ctcttcccag agcctctgca cagtaggggt atggtacctg atacccaagc 120

aagctctcct ggcagcaagt attgacaaac tgttgctgtg ctggtgattt agagtccaaa 180

tcctgttgta ccagatcttg ggccatttgc cctttcctct gcttagccag attggagctt 240

tctggttatt aggtaactat gatactacct aatcaggtca agacagagtc ataacaagtg 300

gtaactttgt tatattcaag aagaaatact tcaaattaag ttgctactac ctctttctgc 360

tgatctctgg aaa 373

<210> 2173
<211> 526
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

<400> 2173
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agtttgtcct actccttgtc ttctgcttga tttctggaac tgggctttgt ttcaagcatg 120

tataagtttt gtccttactc ccacccaaac cctttcatcc caccatctac aaattagggg 180

aggaagnacc tctgcacagg gctctgctac tgtganctag agtaattctg cttgccaaat 240

gacatctatc ttcaccaatt cactgactca agtttaggac cactattttg ttttgttttg 300

aatttaaaaa caaaatagga caactgtggt ggatgttgtt atactagaga agaggtagtt 360

cttcctcctg ctctatgctt ggcctgcaag tagaaaaggg gttgactgtc tttctacctt 420

gtctggaaat gactagaatt accatctcct gttggctgtc ctcccctntc tgagaaagat 480

caagcagacc tgatgttcaa caagtagtgt tcgctggtct gtgttc 526

<210> 2174
<211> 474
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (193)..(194)
<223> n is a, c, g, or t

<220>
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<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<400> 2174
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cagagctgtg cccacacaca agtctgtttg ctcttcttat gtaacaaagt gccatgggat 120

ggggacacag ctctagcaga gcacttgcct gccatgtgag gctcaaggtt cagtttctag 180

caccaacaaa acnnaacaat ttatgaaaat gaaacgtttt gttgcaatct gttttttcc 240

aacttagaac tacaactaag tagagcatca tgtgtataat atctgggctt ttngacccat 300

gtatactgtc tatgagtaaa cactgggctt atgatgttaa aagcaggtaa tantntgnca 360

ggctggcaga gactgctcag cagagcacgg actttctgag accattccag ctgactaaaa 420

catactctnc ctgctataca gtgtattctg aagggtgtat tctgctttgt aact 474

<210> 2175
<211> 555
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<400> 2175
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atcctggtcc ccggncctcc tgcaggggcc cctaggactg aggaacattg tggacagctc 120

cttcaagcta ctgctgctgg gtctggtcgc cttcaacttc gtcggcgcct ttatgctgga 180

gagcntgnct ggaccagtgt ctcccagcct gcctgcggtg gctgcggcct aaacgggcct 240

ccaagaagca attcaagcgg ctgcaacagg agcttgcaga acatccatgg cccactctgc 300

ccgttggctc cgtgaggtag tgcaggcctt ggagggcatg ctggacactg gatctccctg 360

cccctgagcc acgactggaa ctctctcaag agacagtacc agtcacctcc cacagccctg 420

aagctggctg ctgtcacact gctgtccgga cacactctcc tggggaagtg ctgactgctg 480

tctcacttta gaccatcctg tgtagagata gcagctacca actccatcca gagctgctgg 540

cactataaca aataa 555

<210> 2176
<211> 186
<212> DNA
<213> Mus musculus

<400> 2176
tcttacagtg gagagtatgg aggtaaagga ggaaagcgat tctctcattc tggcaaccag 60

ctggacggcc ccatcaccgc cttccgtatc cgggtcaaca gatactacat agtaggtctc 120

caggtgcgct atggcacagt gtggagtgac tatgtaggtg gcacacaggg agacctggag 180

gagatc 186

<210> 2177
<211> 212
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (126)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<400> 2177
gaatctgtga tccaggtgtc tggcaagtac aaatcatacg tgaagcagat gatcttcgtg 60

acggacaagg gccgctacct gcctttgga aaagcctcag gcacaagttt caacgctgtt 120

cccttnnnnn nncncnnnnn cnnnnntntn cctccgtttc attagtgggc gatctggctc 180

tgccatagat tctattagcc tgcactggga ta 212

<210> 2178
<211> 436
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<400> 2178
gtatgtcaat agcacaagcc tctaagaccc tcctgtcttt tttgggtcag agccccagac 60

cattgcatca cagtcattcg gcaagagggt ccttgcggca gacttctgtt cattgcagag 120

tgggactcac ccctgaagaa cactggtcga aatattatac aactgcaacc cttttctact 180

tgagacattg aagttcagct caggagacct gaagatgggg nctggtggga aaggaccagc 240

agacatgtag gacttcttta catgtgttca gtcccccaca gnagctaagc acagagactg 300

gctttgctct ctgtctcgtg tgtcttcctg taaactggga ctctaatggg atggtaacac 360

cacgattccc ctggtttggt ggcctaaaca gtgatttttt taaaantntc ccctttctg 420

gatcctttgt acacat 436

<210> 2179
<211> 484
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
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<222> (375)..(375)
<223> n is a, c, g, or t

<400> 2179
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ttcagagatc actgaagcct gagtccatgc acctgcccca ggaggggggcc attgtcctag 120

ggaccgccta tcacgccgac tgcnttcccg aggccccggg tgggctaagg ggctgggtct 180

gcttcaccaa tcacccaacc tgagtccccc agctttacca cagagctgcc aacgtccttt 240

cactgtctcc acacgatggc ccagtatcct tggttgtgga tagggtcatc cctggctcct 300

cacccagcac ccagcttaac cctgccaccc cacactcctg ggagcactgg gctgaggggg 360

tntcagctgg ntntnggagt ccagacctcg ccatcccctg cccaccattg ccgtggaggg 420

ggctgccagg catagctgct gtgagccatg tccttgtgtg tgtctgttca ctcttaggag 480

ccac 484

<210> 2180
<211> 472
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<400> 2180
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tgctgccctg ggctgggcca ctgctgaact cattatgtcc cgatgcatcc ccctctgggt 120

gggagcccga ggcattgaat ttgactggaa atatatccag atgagcattg actccaacat 180

cagtctggtc cactacatcg ttgcatcagc tcaggtctgg atgataacac gntatgacct 240

gtaccacacc ttccggcctg ctgttctcct cctgatgttc cttagtgtnt acaaggcctt 300

tgtcatggag accttcgtcc acctnttnnt ccttgggtag ttggacagca ctgctcgccc 360

gggcagtagt aacaggactg ctggccctca gcaccttggc cctgtatgtt gctgttgtca 420

atgtacantc ctagcttgac atntcaggtg ttggcgaacc ttttcatttc ct 472

<210> 2181
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (330)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (361)..(361)
<223> n is a, c, g, or t

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ggacagtgag gagattctcg aaggctataa gagggaaggg attgaccccg ctccttacta 120

ctggtataca gatcagagaa aatatggcac ctgtcctcat ggagggtatg gcttgggctt 180

ggaacgattt cttagctgga ttctgaacag gtatcacatc cgagatgtgt gcctgtaccc 240

tcgatttctc cagcgctgca ggccataacc atggggccct caagcacgaa ggaaatgaaa 300

agttaagact gcctctgcaa aagaacaaan nncnccnaaa ntcgtccctt gacttcctgt 360

nggggtagt agctttctct tgactttccc attatcagaa aaagcagtag gtatcacttg 420

aacatcaagt gacattgatg ctcctttaat gaatatactc attacaaaat tttgaggaaa 480

tatatgtcat gtcactcttt agtatgga 508

<210> 2182
<211> 506
<212> DNA
<213> Mus musculus

<400> 2182
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ctgtttgaca taaaagatac tggagtcaaa tacatagccc tttacattca ctgttagtct 120

tttccttatt catatagtgt ttataattct gaggggtatg agttgacagg ggaaattaat 180

gaaggggaaa tggattataa tttgcaatga acatgattgg atggtgggtt attcaaatga 240

ttccaacccc gttagccttt agtttaagaa cggggcagat ggggcttccc tctttgtaat 300

tcctgagtaa caaaagtaaa tctgtttgca aagactttgc acctgaatct tagccaccgt 360

agacagctac gtcatccctg cctggtcctt gggtgccatc tgcactgcct tgccgactca 420

gcagggctac cagtggctga agtgcagttg ctctccccag atgcatgccg tgtgttctaa 480

tgggctgtat cccactaacc aataaa 506

<210> 2183
<211> 388
<212> DNA
<213> Mus musculus

<400> 2183
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gaaaacgggg cgtcggcatg aacccctgcc cgtgggcttg gggatgggag gcccctcagg 120

tcctggaggt ggggcgggaa cacacaaatc cagccccctt tctcctggct ccctgctctg 180

gccctgcccc agagctgtga cccttgtcct ttgacccagc ctctcatttc catctctcca 240

gacactgctc cttcaccctc actgccaccg gtccagctcc tgacccgcct catctgagct 300

ccccagccag ccctcacttg ccctagcatt cttgttcttc tttcctgcct tccctcacca 360

tcccatatgt tccggtccct gcgaagcc 388

<210> 2184
<211> 416
<212> DNA
<213> Mus musculus

<400> 2184
gtggtgaata tctcctcctg aataagcttg cttccaaccc ctgtattttt gtgggttttt 60

attttcccct ttctactctt atgttctgat ttctttcatc tatgcctttt aatttcccaa 120

ttcagttttg tgagcctgcc cggtaaagtg aattaagcat cccatctgcg ttgtgctgtc 180

ttgttcccgt gacgagtact taattgaagt gattctcctc agcctcccgt caggaatttt 240

tgatcacatt cagtttaaat cacattcact ctgaaaccaa aactaatctt tcagccaaaa 300

gttgtcataa tgatttaaca tgggacggaa agccccgttt ctaggatcgt aagcggacga 360

cagaagcagc gttgaagcag gatgtctgtg ttggactcta aaacccatct cagcat 416

<210> 2185
<211> 447
<212> DNA
<213> Mus musculus

<220>
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<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<400> 2185
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gtctctggtt gtagaggctc ttctcagtga ggtgctgaat ctccagaaga ccctgcacga 120

tttcaaacac cgttcngtcg agcagcgcca gggccaagtc nctgagcgtg gtgtagnaca 180

ggcgctgctg aaaggagctg gctggtgcca tgctctctac catggtggtc ctgnagtcac 240

cttctgaagc tgtaagaccc ccaacaaacc cttctgtaag tngccttgtt catggtgtcc 300

tcgcancaat agaaaagcct ctganacacc agtcactcct ctccgcctgt cctccttcct 360

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tcaaatctag ctgtctagct gtgcctt 447

<210> 2186
<211> 442
<212> DNA
<213> Mus musculus

<400> 2186
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ctgagaaatc aggacatgga aatcagagca tatacataag gaacttaatt ttaatgtaat 120

catgtctaat gatcctcatc ttcattcctt gagattaccc aagtaccgtc atgaccaaga 180

agcctttccg tcattgagta cctgattttt aaaagcaagc acccaaataa ttctctctag 240

ggaatctcat ttgttacagg tgagaagaca gagggtttta tggtgcctga gttagtcctg 300

tgcctaacca gtggagtttc cgtctctgtg cttgctaata gtttcacaag tggcttgact 360

tttttagaag tattatgtgg tattttactg tgtatcactt ctgtggtaaa catgtgaagt 420

cctttggctt agtcatactt ca 442

<210> 2187
<211> 533
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (452)..(452)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (475)..(475)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (500)..(500)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (502)..(502)
<223> n is a, c, g, or t

<400> 2187
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gccctgaggc caggggatcc gggaccccgt gctacgattg gagtgggcag tgagatgcct 120

gaagctgtta gncctggtga aggctcatcc tctctggagg atggtgacat cattccgtct 180

ctggtttgct ccagtgacac tcctgggatg gccttacgca gtcaggaata accaggcata 240

aggtggggaa agctgtgact gcatatccag agaaggaagc gcatagagga ggcaggccct 300

ggggttgggg ttgnccctgg ggtgtagcna ggattgccta gtgtgcataa nccctgggct 360

ccatccccan cactntgggt tcgaacccca gcagctcaca gctcacaact gtaaccctac 420

catgctaggg gattagaagc tcaagnccac tntnagctac tcagagaatt tgatncaagc 480

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<210> 2188
<211> 543
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<213> Mus musculus

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tgacacagca gtatggcatt aatttccatt attctaatat ttaatgataa ggaggctcct 120

tttgcccact ttttaaatgg gatcagttat cttatcaaga atcatgaggt atttttttgt 180

ttttttaattc tggattcaag ttcttaaaga aatatgtgac ttgtgagtat tatctccata 240

tttgtgagcg catccttagg cattttctta atcatctttg aatagaccca gttttccctt 300

cccaatctac atagttattt cttctttgtc ttactgaagt aggtagcaac ccaggtattg 360

tctgatcact gaggacattt gaacaaatgt taacccattg attagttaac ttcatccaac 420

ttcattgtgt agtttttgta ttaaagtgct aactgccaga agcacgcaga ataacctatc 480

ttagttttta tttattttat gtgcaactat atttgcctaa tatgcagctc ttattccaaa 540

ggg 543

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<223> n is a, c, g, or t

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ttttgggagt ccccccctctc tttccccgac tccagccctt tttatgttgg tttagcacaa 120

atctcccccc aacctccaaa ccagaccccc taccagtcga tattaattgt tttatatcta 180

tttaatctta ttcgatggag accatgcttc ggttgtttta tactttgcca ggtaaacttt 240

attacccacc ccacctccaa ctatgcccta atttttttna aaaaaggaaa aaaaaaacac 300

acacaaaaaa aacaaaacaa aacaaacaca gagactttgg gttcgagtct cggtcttaat 360

tccctttctg tggcaggttt tcttccgtgc gtgtgcctgt gtgtgtgtgt ggagtgagtt 420

ctgatttgtg ttcgtttctc tgttgatttc tcttgttgct ttcttccaac cccgaccctg 480

gtttccgtat ttcacagca 499

<210> 2190
<211> 503
<212> DNA
<213> Mus musculus

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taatcatggc cctgtctccc caaatatacc aacttttgcc tgtaagttcc ctaggacatc 120

tatttcactg tgtcgtttcc ttccctcttt tgaaatgaag acacaggctc cacacattcg 180

tcctttccat agagcaggta taggaccagg tgcaataaaa aaaaatggcc ttgagtatcg 240

gccgagatac aaggtgtacc ccatcttccc tggcccctgg gtctctttcc tgtgggagtg 300

taactgagaa gtgacagcta catcttagac gtgtcagtag cacatttcat taccagggtc 360

tgtacctcag aggtagagcc agatctggag ctggccatct ggtgtcttca ctcctcacaa 420

ctttttttcg ttcatttgga aaactcagaa agtgggttct aaaatacagg gtgttctcca 480

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<210> 2191
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gctggctatt atctctgana tcctggagcc acacctgggg aagtgctaat ggccaggaca 120

tatcgaaagg acattgccct ggaaaataaa tgaggaaacg aagaggttat gagagacagg 180

gtcagccaag aaagggatag agctggagca gggggatgca cagaggaggt catggaaaga 240

agctaagcta tggggactga caagagtaag gatggagagc cctagagact acaaggttga 300

aatgggaaaa gccaggaaga atgagcnaaa ctggagaaag gataggaggg agacaagaga 360

tagggctggg gaagtgaagc atggaaggag agaggntgag aagggntgaa gacagttttt 420

aaagggagat gacaaagcag aggaagacag aagatgatag gatgacctgg ggagttgncc 480

atttctcagg gtggtgcggg ggagatggct ctctggtggg acaacc 526

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agcctctgtg gtataaaaca agagtctgtc tcttgggctt tttagacaga gctcaccgag 120

ttgaagtgtg aagtgtagtt ccttattgat cacatgaacg tctcctgagc ggagactgta 180

gaacttggaa atgagaaatc ttgccgtggg cagtggtgca aactgtggct gaggcccgag 240

gagcttgagt tcaagcctgc ttcgggctgt gtagccagac tgctacaaag gggttaagag 300

agagagagag agagagagag caagagagag agagggagag cacgcgcgag agcgagagcg 360

agcattcagc tggcttgagc tgtgtnnant ctgcagagac ttcagaacca cacattcctt 420

cttatgtg 428

<210> 2193
<211> 149
<212> DNA
<213> Mus musculus

<400> 2193
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ggctcttccg gcttagacac acagtgcctt tccctgtgaa cctgcagagg ccctggtcag 120

cattttctgc tttcacagaa gcagctcac 149

<210> 2194
<211> 258

<212> DNA
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<223> n is a, c, g, or t

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<222> (150)..(150)
<223> n is a, c, g, or t

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aagtcattta aagtgtgacc aagcactgct tttagggaaa gacagcagtg accagctctg 120

tttgtcttga ggacacaggg tttccgnagn cttcacgttc ttcaagtcat tcctaccgat 180

tctgcctcta cccttgtggt ggaagtctca tccctcacag tttcttgtct tctgggtctg 240

acctagatgc gagctgtt 258

<210> 2195
<211> 140
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (93)..(93)
<223> n is a, c, g, or t

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<222> (100)..(100)
<223> n is a, c, g, or t

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<222> (102)..(102)
<223> n is a, c, g, or t

<400> 2195
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ttaacatctc tgacagctcc tcatgncctc gtngctggan tnggctaaat gcttagctac 120

ctgagaaatg attcggtttt 140

<210> 2196
<211> 168
<212> DNA
<213> Mus musculus

<400> 2196
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acttccagct gcctggcact ttcggcatga ctactcactt tctgtgctgt ctaaagttct 120

atctcagatc tcagcttcct caatagcccc tatggctgta gcagtggc 168

<210> 2197
<211> 114
<212> DNA
<213> Mus musculus

<400> 2197
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aagaatgtgg agaagaaaat ctgcaagttc acagaggtcc tcaagaccaa cgga 114

<210> 2198
<211> 134
<212> DNA
<213> Mus musculus

<400> 2198
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gaatgccagg gtgggctctc tgaggagaat catggatttc tattgaattt tcttactctg 120

ccctttcatc attt 134

<210> 2199
<211> 386
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ttgaaggctc tatggtagtg gatccaacaa tgagaggaag actgtggcag cagggttatc 120

tcttaatggc acatgctacc agtctccaaa gtaaggaaca gccggctgga cgattgcaaa 180

tgaagcagct tagcattttg ccgcctgaag cttaccaagn tagtatntcc tgtaagacaa 240

cctatgtgct gtgtacacaa tagtattctt gagcaaccat ggattttgca aatttttaaa 300

tttaacattt gtttagaaac tagcctatga ttatcatcac tggatatagt ggagacagaa 360

aaagctgtta catgtactgt ccaatg 386

<210> 2200
<211> 159
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

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tcctgggtgc agtgtgcatg ttcctagctt ccaagctgaa agagaccatc ccgctgactg 120

cggaaaagct gtgcatttac accgacaact ctgtgaagc 159

<210> 2201
<211> 264
<212> DNA
<213> Mus musculus

<400> 2201
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ctacaacctg ttgctagata attctttagg catataaaac ttgctgacca ggagcttcct 120

taaagaatga cctgactaca agattaatct tattccttga caagtacaca tgtgagtaga 180

gcagcttgtg aacttgttag ttcccaaaac caggaaggtg gagacccagg atattgtgtg 240

gctgccgaga aagcgctacg tcag 264

<210> 2202

<211> 495
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (355)..(355)
<223> n is a, c, g, or t

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<222> (358)..(358)
<223> n is a, c, g, or t

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<222> (360)..(360)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (468)..(468)
<223> n is a, c, g, or t

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ccttttcctg gacacttcct agcgcccgct ccacgcctcg cccctcaacc cactcttggg 120

atatttcgtc nnnccccccca tcgcagnccc ctcgcttact actcccaacc ttgtggcccc 180

cttcttcctt ggcccacttc ccagaatccc cctccccagg ncccagactt tgccagcccc 240

cncagngcac cgtccttact ccgcaggcca ccccaactct cagatccaac atcctgtgtt 300

tcaagcccct taggnttncc tgcccnttcc accccgtttt anggtttcca gtgtntgntn 360

tntaagagca ggtgcaaccc ttgntnttca gagantcttc ctgcctttgc ttcttattnc 420

gattntnttn tgatagttta aggacaggtg gtatatagtc nagctttnta aggatgaccc 480

aatgcaattt ttaat 495

<210> 2203
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<212> DNA
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<222> (41)..(41)
<223> n is a, c, g, or t

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<222> (49)..(49)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (111)..(111)
<223> n is a, c, g, or t

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<222> (124)..(125)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aagccatgcg ggcntgctgg agacgagttt gaganccgtt tccgccgcac nttctctgac 120

ctgnncgctc agctacangt gaccccaggc tcagcccagc aacgcttcac ccaggtttcc 180

gacgaacttt tccaaggggg ccctaactgg ggccgtcttg tggcattctt tgtctttggg 240

gctgccctgt gtgctgagag tgtcaacaaa gaaatggagc ctttggtggg acaagtgcag 300

gattggatgg tggcctacct gga 323

<210> 2204
<211> 260
<212> DNA
<213> Mus musculus

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attaaatgaa gaccaccgga ggatgtgtct gtgaacacgc agaggcttga cagctgagct 120

gcagcctgga agccctcggg aggactctcc aggaagtaga tgcaaagccc acccctaac 180

taagaagctg ttcactgtcg atacctgatg ggaaagaaga aatcagtttc ctatagcaga 240

gtgtcactgg gcacaccgga 260

<210> 2205

<211> 274
<212> DNA
<213> Mus musculus

<400> 2205
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tgctgctctg cgcggtgctc ctgggctcgg cagccgcgac ctcggatgac aaaactaacc 120

aggatgactc cttagattcc aagagttctt tgcccacaga tgagtcagtg aaggaccaca 180

ccaccacggg caaagtagtt gctggccaga tatttgttga ttctgaagaa gcagaagtgg 240

aatcccttct tcaggacgag gaagatagct ccaa 274

<210> 2206
<211> 553
<212> DNA
<213> Mus musculus

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<222> (233)..(233)
<223> n is a, c, g, or t

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<222> (243)..(243)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aacttacaac ctctctactt tcaacctcag caagctcagg caggatggat attagagtgc 120

ataagctcaa atatttatca cttgagatgt attaatattt accaggggtt ttgatttgtt 180

ttatttatgt aataaagaag gacatacagt tagttttaaa ttgcattgaa tcnagaagct 240

gangtanttc aaatttttt ccttttcctt ctaattgttt tgaaattaaa gttattgatt 300

ggttttgaaa tgtacttgcc attgtgaggt cagagtagta tagaatgttt gcttttnttt 360

ntctttgagn tcctaatgtg tttggaaata aaagaatggt aggaaagttg tccactgatt 420

gtcacaaaga aagtaaattt gtgaaagttg atttgagaat ggaatttaag atcatgactt 480

tgaaagtttt tgtttgtttt ttaatttaaa ctgaagcaga gttcggtagg tcactccaac 540

actctggaag ggt 553

<210> 2207
<211> 462
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (402)..(402)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctccctaca ggatgtgata tagtcacagt gagtctccct ttctttcttt ctttttatt 120

ttttgtttgt ttgtttttcg agacatggtt tctctgtaac cctggctgtc ctggaactca 180

ctttgtngac cagctggcct cgaactcaga aatccgccag cctctgcctc ccgagtgctg 240

ggattaaagg tgtgtaccaa cacacccggc gagtctccct ttcttaaccc catgaggata 300

atccttcgcc accatgatgt gctctcctaa ctcattttgg gcactgttac ctacacacgt 360

cctcttttca tagacaagga aactgagaac aaacaaggtn cnaaaaaaaa aaaaaaaaaa 420

aaaaannnng atagggtgtt ggtggtcata gtgcacacct tt 462

<210> 2208
<211> 513
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (452)..(452)
<223> n is a, c, g, or t

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aagaggcgtg aggcgtgttg aatcccagaa gctgcttaga acctgctgcc ttccttttca 120

gggatgcgcg gctctcggca gagctgcagt gaatgtttgt ttcagtgcca tacggaatga 180

caactctcag tggctttcct ctttcctttt tctttcttcg ttctgcaaac atacacaaga 240

cactcgagtc atgtctactg taccctgtct ttcctgagag acctttcgtc atcctgttga 300

tgtgcataac ttcttacctg tcttctaagg tcctgagcat tgacaanctg ggnaaaccnc 360

agttagttgc aagttnaacc ctaaaaacan gnttaagtnt gagactagaa ctngccatta 420

agtcaaaagc aaaacaagcc aagcaggacg tncttcaggg tgtttgggaa atgcagtaac 480

tgggaaattt taccagtcta catgccaggt cat 513

<210> 2209
<211> 536
<212> DNA
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<223> n is a, c, g, or t

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<222> (106)..(106)
<223> n is a, c, g, or t

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<222> (116)..(116)
<223> n is a, c, g, or t

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<222> (131)..(131)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (148)..(148)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aacctggagg caggaactga agcagagatc anaggggggac agcacntact ggcttnctca 120

acctgcnttc natataaccc agnanctntn tctctancga ccacactncc cacactntgt 180

tacgttttca ncaataggnt cttcacatct gactgtggtg acagcnggan caaggctaca 240

gcaggtgctg ttttgagncc ctntgggaag acatttttg gagcagacaa atggctgagc 300

ttctganttg ntgagtaggt tccggntctt tgtttagntt ccctnnaggc ttntactttn 360

tttaggagga tttattntcc ngtntcctnt ntggtagntc tnacggtttt ctttntcaga 420

ctctgggtaa gcgaagctnt ggacagtgct tgctgacagc nccttggcag ctgcctctgg 480

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<210> 2210
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ataaacaact gagatgaaac tgnntcatac tgtttcctgt catcctgttt gccctccttg 120

gttgcagccc acatagtgcc tggcattctc ctctctctca gtgtgtaaga actccatggg 180

aagaaagcta cacaagtgat gtaggaacag ggcctcttcc tttgctactt gaagcctgct 240

ctttc 245

<210> 2211
<211> 543
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (476)..(476)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cggntccgac ctgtgaaaaa acggaaagaa gtccaggagc tagtgtccac catggccaca 120

cggggagcag tgagggccca cagccctcgg gggcctgctg tgcatgtggc ttttttaaca 180

ctgtaactag attagactca gggnttttaa ccatccctct ccaccctctt ngctttcctc 240

tcctctttcc tctcagccan tgtcctttct cttttcctct agaggagttg agctgtctaa 300

actccatctg ctgcttccct ctcccanctc tttcctgctg tcagatggat ttggttgggt 360

tctnttnntt nttttnnntt ntccttttta aatagtgaac attaggaatg anactggggt 420

gtttttnnt tttaattaaa aaatattaan tttccntgnt gcanttgnag canccncant 480

gtctccntnc cagtgtcttn ctctgcctct tgaaagggtg acagacaggg tggcgctgtt 540

tta 543

<210> 2212
<211> 217
<212> DNA
<213> Mus musculus

<400> 2212
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ataggcagcc actgatgtct ttttagtcag tggcctttgg gccctggtct tcagtgtcag 120

cactagggtt tgtttgtcct ctggggtctt ttttggcaca tgtcagtttt gtttatataa 180

aatgaagaga ctgtctctct gatgatgggt ttaatga 217

<210> 2213
<211> 79
<212> DNA
<213> Mus musculus

<400> 2213
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gcatgttatt aaacagtga 79

<210> 2214
<211> 369
<212> DNA
<213> Mus musculus

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<222> (119)..(119)
<223> n is a, c, g, or t

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<222> (243)..(243)
<223> n is a, c, g, or t

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<222> (250)..(250)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (271)..(271)
<223> n is a, c, g, or t

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<222> (276)..(276)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggccctggag tcatgcagtt cctctatctc agcctccacg aatgcatgcc acagcatgnc 120

aatacattgt gtgcgggtgg gggtgggtgt tgcctgcatg taggtctgta tcgcatgtgt 180

gcctggtgcc catggaagcc agagaagggc aatggatccc tagaacctga gttacaaaca 240

gtntcagccn tcatgtggat gctgagnatc naaccntant cttctctaga agagtagttc 300

ttaactgctg agccatcact acagtcatga cctcttactc tttaaaagct agccttgata 360

attataaat 369

<210> 2215
<211> 38
<212> DNA
<213> Mus musculus

<400> 2215
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<210> 2216
<211> 490
<212> DNA
<213> Mus musculus

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<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<400> 2216
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cctatcctct gctaggaaga gacttgctga ctaaactcaa agcccagatc cacttcgagg 120

gatcaggagc tcaggttgtg ggaccaatgg gacagcccct gcaagtgctg accctaaaca 180

tagaagatga gtatcggcta catgagacct caacagagcc ggatgtttct ctagggtcca 240

cctggctttc tgattttccc caggcctggg cggaaactgg gggcatggga ctggcagttc 300

gccaagcgcc tctgattata cctctgaagg caagctaact atgggacagc cgctagtcat 360

cctggccccc catgcagtan aggcactggt caagcaancc cctgaccgct ggctatccaa 420

tgcccgcatg acccactacc aggcaatgct cctagacact gaccgagttc agttcggacc 480

agtggtggcc 490

<210> 2217
<211> 272
<212> DNA
<213> Mus musculus

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<222> (163)..(163)
<223> n is a, c, g, or t

<220>
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<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

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gtacttttga gtgggccggt aactccgctg aggtgctccg gaggagaggg ggcttcggga 120

gtgaggcgcc ggcggcagcg ctgcctccta ggggaggagg ggnctctgga gccgggtcgc 180

ggagatgccc cgggagtagc cggtcgcctc ctccccnggc ggngtctgtc aggttccgat 240

cccgcccggg agcgggcctg cgagtccccg ga 272

<210> 2218
<211> 509
<212> DNA
<213> Mus musculus

<400> 2218
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tgtgcacttt cttggagaac cccattgtgc accctgagtt ctgcctgtgc ttcggctgat 120

cccatattgg accggataga gctcagctct tgcctttgtt gctgctaaca ctggaggtgg 180

gcgttcctag ctgcagtgtg ctgctatgcc tctctgccta ggaaccaaat tttaaagaag 240

tcagagacat tttgaggtgg ttactacaga ttactgtttc acattgtttt cctcactgga 300

caggactgac aggattacgg gggtggttcc tttaactctt caccaagtcc tctagctgta 360

tttctgaagg ctctcacact tcttctgtga agcgtgggct tcatttccat ggccctgagg 420

cccagagaga cagctgtcca cttaccggca gggtagtcat agacatagat actgcagcct 480

gccctcctct tgaggctgtt tctgacaaa 509

<210> 2219
<211> 493
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

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ggcagccctg ggaagtatgg ggagatcaat gccagacgaa gcagggtggt tcacagagtg 120

gagatgagag gggacagtga cataaatgtt aagtatcttg tgctcagtga cagtgtgttt 180

gctgcacctg acagtcagaa gcgaaactga gggacccctg tgtgccttgt tgaagagact 240

tagatggtct ctaaccttgt catgaccaga cttctacttt aataaatgtg ttgttatggc 300

ctgtgcagag taaaagacca aagtaggctt gaagtcggct atagtagaaa tgtatatgct 360

acagaaacct gcagacacta ccaaatacag cttaatggac tctttgtgaa gaattaactt 420

tcatctaact tcaagagtgg atagtgaaaa ccaaatatca aatctatngg atttttcccc 480

ataacatcac ata 493

<210> 2220
<211> 323
<212> DNA
<213> Mus musculus

<400> 2220
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agttcggtgc gtgcttccct gggctgagtt ccagtccctc ctgtgtgcct gccaccctgt 120

ggaaccaggc cccaccatgc aggccttgcg gtccaccttg gacctcacct gtaacggcca 180

cgtgtctgtc tttgagtttg acgtcttcac caggctcttt cagccgtggc ccactttact 240

gaggaattgg caactcctgg ctgtcaacca tcctggctac atggccttcc tcacctacga 300

tgaggtccaa acacgcctgc agg 323

<210> 2221
<211> 537
<212> DNA
<213> Mus musculus

<400> 2221
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tgtgttcata ttttttttaa tttttaattt ttttatttt tatttattta ttttgtgtat 120

gtgggcacac tgtcaccatc ttcagacaca ccagaagagg gcatcagatc ctcactacag 180

atggttgtga gccaccatgt agttgctggg aattgaactc aggccctctg gaagagcagt 240

cagtgctctt aacctctgag ccatctatct ctccagcccg tgttcatgtt tatacacaga 300

aacacacaat aaatgtacaa aacatttta aataatttct tcctgtgtta tgtcctgctc 360

actggcatat acttgatttg cttaatctat cacttctaac atgtactttt aaaaaaatca 420

tataatatgt tttttaaaaa atcatataag tctttgaaga gttgaaaggc ttggatcctg 480

agaagaacat tgtatactac tgagcacaga gtatgtactt agtattgtcc agtggac 537

<210> 2222
<211> 123
<212> DNA
<213> Mus musculus

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<222> (94)..(94)
<223> n is a, c, g, or t

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tcctgtgccc aagaagctcc tgatgatggc cggnatagat gactgctaca cttcagccag 120

agg 123

<210> 2223
<211> 548
<212> DNA
<213> Mus musculus

<220>
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<222> (92)..(92)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (268)..(269)
<223> n is a, c, g, or t

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<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(346)
<223> n is a, c, g, or t

<400> 2223
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ctgtgcccaa gaagctcctg atgatggccg gnatagatga ctgctacact tcagccagag 120

gctgcactgc naccctgggc aactttgcta aggccacctt tgatgccatc tccaagactt 180

acagctacct ganncccgan ctctggaaag agactgtctt caccaagtct ccttatcagg 240

aattcacgga tcatcttgtg aaaacccnna cnagagtctc tgttcagagg agccaggntc 300

cagctgtggc taccacataa gggtttntat atgagaaaga taaannaatt aagtctgctg 360

aaaaaaaaaa aaaaaaaaaa aacaaaaaag aaacaacaaa aagagaaaaa agaaaaaaag 420

agacaacccg aaaaatagaa gacgagtgtg gggcgggggg ggggcggggg ggcgcgccgc 480

tcggcgacgt attataaatt catacgcatg tttgtataaa tagagagagg gtatatacgg 540

gcgccacc 548

<210> 2224
<211> 250
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<400> 2224
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cctccactgt tcagtgctgg aattgcntgg tgtgtgtacc actgcagcag gcatcttcat 120

cttatcagca gccctcttgc ctcagctcag cttctcaaaa gtgcctgcca cagcttcatg 180

actatagatg gacactgtag gctcaatctt gtgccctagt cttttaaatg gcctcagttt 240

attaatatag 250

<210> 2225
<211> 291
<212> DNA
<213> Mus musculus

<400> 2225
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tttacacatc ctttggatgc caagacagca gctgggggtg ggaaagcgat gggggaattg 120

gggggagcgg gcatggggaa gcagtgtcca aagcactttg gaggaggcct gccaggcttc 180

ctatggcctc tgataccctc atgctctgcc ctgagctgtt tcactatggg ataagaggtt 240

ctgtgtccac atcccaccgg ttcccctcag cctcgtgacc agtgttcctg a 291

<210> 2226
<211> 451
<212> DNA
<213> Mus musculus

<400> 2226
aaggccagtt agagtcacgg agtgaatcta aaaccagtct ggacaatcca atgagatcct 60

gtctcaaata acaacttaga aagaaggcag gagatacagt tcagtggtag aggcgcctgc 120

ctagcatgtg tggacactgt tcagttggaa agaaggaaga catcaacacg ggacccaggt 180

tccttagcct ctttcctagg acctatctga atggggctga gagagggtct gaccgactgt 240

gggatcaatg actcttaagt tccatcccgt tctgcgactg actggcaccc tacacagtcc 300

ccggccccag tgcccagaag ggcttcctgt ggttctgacc tgaagtggca cctggcaaga 360

tcatttagct cttgcagtct tgggagctga catattaatg taaagcctcg tgaaatgtca 420

ctcattatta tgcgttttgc cagtgtttga g 451

<210> 2227
<211> 553
<212> DNA
<213> Mus musculus

<400> 2227
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tgggcccagg cagtgtggca gcacccctgt aaacctggag tcctagacac agcagggtcc 120

agctataggc actctgggag agctagtgag acgctcctag gtccctctca acacagtccc 180

ctcacttcct agctccaggg aagcctgatc ctgggaccca gccctgccgc actaggactg 240

ggcagtgaaa ggacacagaa atgtgtggca tgcccctgtt ctccctgctg ggcagagcct 300

cctctctagg ggcgctgggg caaggaggca cctctccttt ttctcctctc taaagcccct 360

ccacattcac tgccccagag gttggcctcc tcccaggctc tgtctaccct gcccaaaccc 420

tcctgatccc atactggcca ctgcccccca gcactcctga ggcctctccc actgagcctc 480

tctctgcctg gccctccccg gctctgactg ggccaccctc tccctttct gtctccacag 540

tttgttgcct cag 553

<210> 2228
<211> 374
<212> DNA
<213> Mus musculus

<400> 2228
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atggaaataa tgaacttttc tgtcatattt cctcccccaa gaatcaatca aaatatttcc 120

tagtctatgc tgacaagata gctcaccaga gaagcacttg ccacagattc ctgatgttag 180

acacctgaga cctaaaagag gacagaagca attccaggaa ctgtgttcta cactctgcac 240

acgtgccatg gcacacgtgt gtccatactc aaacatgtca cacacttgta gataaaagag 300

tgaaatcaag atatttccca atcaaacgta tataaaattc tgagcaactc tttgtcacag 360

ttatcactcg atat 374

<210> 2229
<211> 287
<212> DNA
<213> Mus musculus

<400> 2229
agactcggac acctctgtgg actcagcagc aggccgcagg aggacagtgg gaatcctgga 60

catgggagga gcctctctcc aaattgccta cgaagttcct acctcagcct ccgaccttcc 120

tcccaaacag gaagaagctg ccaagatcct gctggccgag ttcaacctgg gctgtgacgt 180

gcagcacacg gagcacgtgt acagggttta tgtcaccacc ttcctgggct ttgggggcaa 240

ctttgcccgg cagcgctatg aagatctcgt gctgaatgaa acgctta 287

<210> 2230
<211> 540
<212> DNA
<213> Mus musculus

<400> 2230
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ttgaatctgt aagagaacag agggataaga agggaagacc catgttgcac ctctcaggcc 120

tgagcagtcc tttggctttc aaacggatcc cacccagttg ctaatgaagc tgccattgga 180

gctttcattg gccaaagagg agcccattgt ctctgcaagc acaggttgca tccagactcc 240

tgtcccagat gaagacagac actgccctat tgcacataag ctccagagag tcccctgagt 300

ccctcatccc cctgtgtagg gtacaggagt gatcattcca cccaggaaaa tacatggttc 360

atgctgtggg aagccggtga ggccccagac atcttgcaca gaggatcgct tttcctgatg 420

tttctcctcc ttcacatttc aaacggtggt gctgggatct cccagaagac atctctcaca 480

catacttact acactggaat tacgatggtt cttttgagat ttgcatgctt catcggtgaa 540

<210> 2231
<211> 407
<212> DNA
<213> Mus musculus

<400> 2231

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gggaaaggtt gagagcagct ttttcatatt atatacacag gacttctacg gcgacagcgt 120

ttccgaatgg ccgcctgcgg ttgtcgcgtc tcggcttctc tcgggtggag ggaagacccg 180

cggcccaaga atcgatcgtt cctctcgccg tgattcgggg ccccgctcac cttcgtccag 240

gcccatcgag gcctcggttc atccaggtct gcgtgctcgg ccacgggtgg gcctcccgtc 300

ccgagccggc gatggcagag tgttcttgct cagacccgcc gccttaggcc gcagaagccc 360

cgaaggccca gccttggcct tcaggtggat gccattcttc ccgtcat 407

<210> 2232
<211> 424
<212> DNA
<213> Mus musculus

<400> 2232
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catcttcctt aagacaaaac aattcttcaa acgatactgc aagtacatca ctaaacacca 120

tgagctctat ctgaagggat ttctttagga agaacagatt ttcccccatc tcttggtaat 180

ttaaatttct tgcctgctct tatatattct tttgtaaatt ttttttattt gtttcaaaat 240

cacaaatcaa tgtgagccat ctatcacata acaaccagga tgatcagacg ccccactggt 300

gattacgaaa atgaaaccag cagtgttccc tcactgactc aattcctctc atacaaagat 360

ctcaaaagta tttttctaca tcataaatct ttctaaattt tccaaccgtt gcaaatttcc 420

tggt 424

<210> 2233
<211> 315
<212> DNA
<213> Mus musculus

<400> 2233
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agtggaggat gcccccagat gggtcattac gctgacagat atcctgggaa aacaagcaga 120

ctctaccaga cattttacct caacaccggt gataagagca acttcgcacg ttggcggtac 180

caggtgactg tcaccctgtc tggacagaag gtcactgggc acattctagt ttctttgttt 240

ggaaatggag gaaactctaa acagtatgaa gttttcaagg gctctctgca gccaggtact 300

tctcacgtca atgaa 315

<210> 2234
<211> 262
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (120)..(120)
<223> n is a, c, g, or t

<220>
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<222> (235)..(235)
<223> n is a, c, g, or t

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tcctgccagg gtgactctgg tggccctgtg gtctgcaatg gagagctgca gggcattgtn 120

tcctggggct atggctgtgc ccagccagat gctcctggtg tatacaccaa ggtctgcaac 180

tacgtggact ggattcagaa cacaattgct gacaactaga gaaccctagt ctctnttcaa 240

tcagtattat caataaagtt ca 262

<210> 2235
<211> 179
<212> DNA
<213> Mus musculus

<400> 2235
tggtaccagc atcctcatcc caagatgcct taatccactt ctctggagaa cagacttcca 60

tgggaatgat agcagggtcc tctcgtccgg cagctggcct tctgcccggg ttacacattc 120

atcacgtttg ccttgcttct cagtgagttt taataacagc ttcagattct tcagcacca 179

<210> 2236
<211> 551
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (331)..(331)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (371)..(371)
<223> n is a, c, g, or t

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<222> (424)..(424)
<223> n is a, c, g, or t

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<222> (443)..(444)
<223> n is a, c, g, or t

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<222> (446)..(447)
<223> n is a, c, g, or t

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<222> (453)..(453)
<223> n is a, c, g, or t

<220>
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<222> (486)..(486)
<223> n is a, c, g, or t

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tcagccccta gcctcatctt catccttccc agtgtcttct acctccgtat tgtacctact 120

gaggtggaac ctttgttttc ctggcccaag atccaggccc tgtgctttgg tgtcctggga 180

gtcctcttca tggccatcag cctgggcttc atgtttgcca actgggccac aggccagagc 240

cgtatgtctg gccactgagc tggcctggtt tgcctcactc agcccctatg ctcacgcgtg 300

tatacgaggg aatccnantc actttcctga ntccttcctg cctgggacat ggaggtgtnt 360

ggtctnctaa naacattgct gtgggaaatg gggacagttg aggaggcata gtaagtagtt 420

tatnccccct ccccttagag ttnncnntca ctnccaacct catgagagga ggtatgggag 480

gccagntcct tagaagagtt cttagcccac atagttctca cttcctagat gaagctgtta 540

gggttaccct g 551

<210> 2237
<211> 515
<212> DNA
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<223> n is a, c, g, or t

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<222> (392)..(392)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

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<222> (435)..(435)
<223> n is a, c, g, or t

<220>
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<222> (455)..(455)
<223> n is a, c, g, or t

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gagccagtag caacccttgc tctgattcat accatggacc cagtcccaat tctgaagttg 120

aagtgaaatc catagtggac ttcatcaaga gccacgggaa agtcaaagcg ttcattaccc 180

ttcacagcta ttcccaactg ctcatgttcc cctatggcta taaatgtgcc aagccagatg 240

actttaatga gctggatgaa gtggcccaaa gggctgccca gtctttgaaa agactccacg 300

gcaccagtta caaagtggga cccatctgtt ctgtcatcta ccaggccagt ggcggaagca 360

tngactgggc ttatgacctt ggcatcaaat antcatttgc ctttgaactg agagacacag 420

gntactatgg cttcntcctg ccagccaagc agatnttgcc cacagcagaa gagacctggc 480

ttggcctgaa gaccatcatg gagcacgtac gagac 515

<210> 2238
<211> 270
<212> DNA
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<222> (26)..(26)
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<222> (32)..(32)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (83)..(83)
<223> n is a, c, g, or t

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<222> (228)..(228)
<223> n is a, c, g, or t

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<222> (230)..(233)
<223> n is a, c, g, or t

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tcattgntgc caaggaccac gcntccatcc agatgaangt ggccgaggtt gataggacca 120

caggccggtt taatggccag tttaaaacct atggcatntg cggggccatt cgcaggatgg 180

gcgantcaga tgattntatt ntccgattgg ctaaggctga tggaattntn nnncaaagaa 240

cttttgagca gaagaaatcg ggaatttgtt 270

<210> 2239
<211> 507
<212> DNA
<213> Mus musculus

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<222> (239)..(241)
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<221> misc_feature
<222> (256)..(259)
<223> n is a, c, g, or t

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<222> (283)..(283)
<223> n is a, c, g, or t

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aaactggctt cccctgtgac cctcaatgcc agagtggcct ctgtacctct gcccagctcc 120

tgtgcacctg caggcactca gtgcctcatc tctggctggg gcaacaccct cagcaatggt 180

gtgaacaacc cagacctgct ccagtgtgtt gatgccccan tgcnnnnnnn nnntgnntnn 240

ntgccccagt gctgcnnnng gctgactgtg aggcctccta ccnctgggga catcaccaac 300

aacatgatct gtgttggctt cctggaggga ggcaaagatt cctgccaggg tgactctggt 360

ggccctgtgg tctgcaatgg agagctgcag ggcattgtct cctggggcta tggctgtgcc 420

cagccagatg ctcctggtgt atacaccaag gtctgcaact acgtggactg gattcagaac 480

acaattgctg acaactagag aacccta 507

<210> 2240
<211> 424
<212> DNA
<213> Mus musculus

<400> 2240
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gcccagaatg gtgtgtgtca gctgatccga agggagtttc agaccagtgt aatcagcaga 120

gacattgata ctgctgccaa attcattggt gcaggtgctg caacagtagg agttgctggt 180

tctggtgctg gtattggaac agtctttggc agtcttatca ttggttatgc cagaaaccct 240

tcactgaagc agcagctgtt ctcatatgct atcctgggat ttgccttgtc tgaagctatg 300

ggtctctttt gtttgatggt tgcgttcttg atcttgtttg ccatgtaaca gaaattactg 360

cctgaaatgt tggcattcat agtaattacg gatgtaattc tgtgtatctt gctgtgactc 420

cgaa 424

<210> 2241
<211> 285
<212> DNA
<213> Mus musculus

<220>
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<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<400> 2241
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ttgcggcggc tgcagctgct gctgctgcta aagctaaant cccagccaag aaggccacag 120

gaccaggcaa gaaggctgca ggccagaagg ntcctgctca gaaggctgca ggccagaagg 180

cagcacctcc tgctaaaggt cagaagggtc agaagacccc agcccagaaa gcacctgctc 240

caaaggcggc tggcaagaaa gcgtgaggct acacagaata ataaa 285

<210> 2242
<211> 147
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (69)..(69)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctggtgatnt ccttcataat tttatgttnn ncctaaaagg gtcatgggtg ggacacatta 120

aaaggtgagc tttgaactgt agataat 147

<210> 2243
<211> 506
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<400> 2243
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caactgacct gtgcgttcaa tccagagaaa ggcggtcatc tccagcagaa gtgaggagcg 120

ctgactggac ggcgaggctc ttccttcctc cccatctcct tgtcataaca taagatgtat 180

tctgtacata atttacaaat aaaacatttt attttaattg ttacttatta tttagacatt 240

tctcaacact gaaatttgta aaacaaaaac catgtaaggt atgtttttag aaagtttcag 300

taacccacag aacatctgat ctttctacag cagcttcagt tgtgtgccaa cattccatgt 360

attttaatat gagtaaaagt tatccttatt aagtaagaac agacttaaag tagtagctgt 420

ttgtacncct taatgttcat tgatttattt taaatcttta catttagaaa tgggggctat 480

gtcatcagac gaggaggcac tgctgt 506

<210> 2244
<211> 285
<212> DNA
<213> Mus musculus

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<222> (158)..(158)
<223> n is a, c, g, or t

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tagccaaata tcttcgattc aactgtccaa caaaatccac caacatgatg ggtcatcggg 120

ttgactattt tattgcttca aaagcagtgg agtgcctntt ggattcaaag tgggccaagg 180

ccaagaaagg agaggacgct ttatttacaa ccagggagtc tgtggtcgac tactgcaaca 240

ggcttttaaa gaaacagttt ttccatcggg ccctaaaagt aatga 285

<210> 2245
<211> 136
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (74)..(74)
<223> n is a, c, g, or t

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ancccacag gctnttctga agaaacccgc tcaactgtga cctataggga gaggggatcg 120

cagaaccagg gcatct 136

<210> 2246
<211> 496
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<400> 2246
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gagctcatct tttccagatc gtatcatttc tcttctatta gtggcagagt tgattctgta 120

atttcaaatg atgttcaaag gggaggtatt ttttttaaa cagatgatct catttgctga 180

atgatttaag agtaaaattt anccnctgcg tggctttgtg tatagtaaca acaggtttta 240

ttgcactatc tatggttgaa atacctgtgc aaagaaatgc agggcacagg ggaggtaaaa 300

attcaagatg tttgatacgt taaattatta ctcttaagtt tatatttgtt ttaaatggga 360

cacatcttac ttaatccatc tcaatttagt gttttaataa aaaaagaact aaaattattt 420

caacttgggc ttacatgtgt caatatgggc aatatgaata tgggcaatat ttttatgccc 480

gtgtattttc acattt 496

<210> 2247
<211> 50
<212> DNA
<213> Mus musculus

<400> 2247
aaagtacact catctactga tgctgcggag cgagatcact tacagtgcca 50

<210> 2248
<211> 185
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (73)..(73)
<223> n is a, c, g, or t

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<222> (103)..(103)
<223> n is a, c, g, or t

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<222> (106)..(106)
<223> n is a, c, g, or t

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<222> (109)..(109)
<223> n is a, c, g, or t

<220>
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<222> (160)..(160)
<223> n is a, c, g, or t

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atgcgaggan ttnatntgca actgtgaccg tgaggccgcc atntgnttnt ccaaggtccc 120

gtacaacaag gaatacaaaa accttgacac cgggaaattn tgttagcctg tcacctcact 180

tcctg 185

<210> 2249
<211> 201
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (56)..(56)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (88)..(88)

<223> n is a, c, g, or t

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<222> (90)..(90)
<223> n is a, c, g, or t

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<222> (111)..(111)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (121)..(121)
<223> n is a, c, g, or t

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<222> (160)..(161)
<223> n is a, c, g, or t

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<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

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ctgccaaagc ttaggcactn ntntacantn ttgtgtaaaa gtaaatgttt nttnccggnt 120

ntgaaggtcg agacagcgac acaatcagaa agaatgagan ntcanccatc antcacccag 180

gcttacttag gcatgaaaag a 201

<210> 2250
<211> 310
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<400> 2250
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gcatcctgta tcctggtggc tgtcatggct gagggaagcc tcttgccacc agcccntggg 120

taatatgcac ngaggtattt agccaactgg caccttttga agtgcgtctg ttgctgctta 180

gtgtctgggg ttttcttcgg gagcatgggc ccttgcccca gaagttcatc ttccagtctg 240

ancgtggccg cttcatccgg gactttncca gggagggtgg agctgaagga ggaccacatc 300

tgtctgtgct 310

<210> 2251
<211> 362
<212> DNA
<213> Mus musculus

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<222> (66)..(66)
<223> n is a, c, g, or t

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<222> (70)..(70)
<223> n is a, c, g, or t

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<222> (72)..(72)
<223> n is a, c, g, or t

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<222> (147)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

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nngccntggn gntggccttc ttctagtaac ttgtaaagtg atggatggtg tcacatctga 120

tagatacatt tccaagttgt catcttnagg aaaaataaac ttttttcaa tcatatttat 180

ggctaatgcc gatttgactg ctgctattta gagtcataat ggctacgtca ctggattttg 240

ttctgagaca gcctacagtg tcccagcgca ctgcactttt tgtttgaatt ggaaactcat 300

accanccacc aaacgatggt atccagcgtt tagaaagata ctctgacagt tttctgacag 360

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agatgtatgc caaggttggg cttttcaccc atctgccaac tttctcttgc ttcttgctac 120

cattcaggcc tgttcccttg gaaaaggatg gtccctctgt ctttaaactt tgtaataaag 180

ttaacttcca gtcaggatca gacccgtttc cttcttcata ggcctagaag tagacaggag 240

cctctagtgt gcaaatcagc tggtggctta gctgccaggg tgggtggctc tgcttccttg 300

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ggaaggaccc cagtggcctc aaggtggggc cagggcnnag gcatggttca actcagtgtt 180

agggaagttg ttcctgtcga cctccccttt gagttcctgt gggactaggg gtggggaata 240

tggagacggg tgagtggaaa aaccagagag ggctgctggt tttggacgtc agcactgctg 300

tganancagg aggaantngg tgggnnnncn nnntcctnta cgaaacaagc ancaganaat 360

tgntcatggt tgagctncac atctttnnnc natgggaatn tntggcacnc cccantnttg 420

gaagctgagg actgcacctn ttcactcaag cncnaaactn tctntccctg gttagaaact 480

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cctacccagc tccttcattt tacagaagaa nnnantgagg cttagtggat gtcttctcac 120

tattagtgca cttggagctt ttatttattt ctttgagata gtatctgcct atttagacca 180

ggctgaccac agaatagaag gcactcctcc agccttagcc tccgtgcctg gaggagctgc 240

catacccagc accttaattt atgtcattta ttctagggaa acccaaaact ttcttgacag 300

agtagaggag ccagatgaac taaggcancn nnaatacatg gaacttgatt tctctgtatg 360

ttgggaggac tccaancagt gagctcttca tggctagacc ccancccaa aaccttggnt 420

ctgaaacagg aaacctntca tgctcttgct ttccattntc atcttgaggc tcctgtntca 480

tagactgtac tatgggagta gctgtgctc 509

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gccatagatt ntattagcct gcanntggga tacctaccct agccactgca acacttgctg 120

aatgaaaccc accttccttt ntgtcagggg tgctgtgtgt gtatgggggt ggtggtggtg 180

agaantccct tatcaccaag ccccatgaaa gtatgcaaat ag 222

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caactctnnc ttccatctgg agntacatgg tccccggctg aganccctnc aggaggancc 120

cctcccaatt cccancccct cattntnttc cctttcccca cctnccnaac aggtngccnt 180

gncctncctt ccccaaaacc tcgctccaca tgctagagcg tggctgctgg gaccagnccc 240

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gncccagncc cntggcttgg acttcatacc ctttattcac t   341

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ggtccagtgg caaaggagtg tgcagacttg tggcccagaa ttgcatccaa cgcaggcagc 120

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ttttaagtgg acaggaangg tcacctggtg agcatgacca tgagccnttc agcactgtcc 120

ctgaagcctg aagttggggg agggttaaaa catgctttct gagatctata aattgacaat 180

caagggtatt ggaattcctt aaacatgttc tcttcacagg gctcttcagc cacttgtgtc 240

ttaccaggac accatttccc tattctagga gagggagcag tgtcctgagc agagtattac 300

cacaggggg tgtgctgaga tggttgatat acactggtct gaagctacca acatagttcc 360

ctactttcct tgatcagtaa ttaaataatt tgattggttt cagaatagta actgaacctg 420

acacactcca ttttttgta tgttgattgt ttggtttctt tc 462

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ttctnatctt nnncnnnnnn nnnnnnnnnn ncccnnnnnn nanncnncnt ntttttnnnn 120

nngggnntct cacttanctg tgagtgncct tgaactgacc cttccacntt catttcccaa 180

gtgnctgggg ttataggttt gcaccatgac acccga 216

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<212> DNA
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caagagccga tggcagccgc cggacgacac gctatgacat cgacatgacc aagtgtatct 120

actgtggttt ctgccaggaa gcctgccctg ttgatgccat tgtggaggtg agcgggctgg 180

gtgaagtggc tcgcactgag gctcctgaga agggttcgcc ctgctcactg tcca 234

<210> 2261
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ggttctttca gccctaagcc agcatctgag gtgtgctgtg ctcctgggat ccattaattt 180

caccttttcg gctggcttct ctcatccttc tgccattagc cagaggggcg ggttgtgaac 240

tggagccggt gactgtcctc tcaccatgga ctgaagcaca gtggtgactn taggaagctg 300

gccacctcga agctgtacat cctctcancc ttggagccng ggactcgagg ntcccagaac 360

tgcagctgaa ccatctggaa aagctggatt ntctattntc ctnccttatg tatgaacacc 420

acggatccgg ctnccagcca ctcatcactg actggcagga gtggtgggac agtgaccttc 480

caaatccttg atggaacttc aacaccgtag gcact 515

<210> 2262
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<212> DNA
<213> Mus musculus

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agcttactaa ttaatgtttg atagactggt tctgtgatat tctaaacatt taactctttc 120

ttgtcatctc tggagaagat ggttctattc tcattctctc tgataaaatc accagctgct 180

ttatttttct atttattaca cagttgataa ggtctggatc ttgaccgaac tgctcagctg 240

agatgttttc atagtggaca ctatagaaaa tgtgtgtgca aaacgacaca gttgggtggt 300

ggtattcttt ttcattaatg tgaacattga ctaaacaaag cagtcctgcc ttttaaatct 360

tgtggcagct cagaagggag gtgcttaaga accttaacta ttatgtcaga tgacaaatac 420

ttttttttcca ttttggagat tgggtactgc tcacacatga tgtatagggc taaatatatg 480

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acggaaanan aaantatcag actgtgaaga aggtcaagag gatggctcaa ggnatgaaac 120

acctttttct acaagtgaag antntgattt agaaacggaa acggtcgagc ttggtggagg 180

gttttatgtg aantcatttt taaagtattc agaaaattct ntcccagcca ntcaaaggtt 240

cctgacctat ctgaagtcat ggactggtgg gcctggcccg caagcgtgaa cagctgctga 300

attnctgcaa acaaggactt ggctcagtat ttgatagatg ccttgatttc catt 354

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<223> n is a, c, g, or t

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ggggccattc gcaggatggg cgantcagat gattctattc tccgattggc taaggctgat 120

ggaattntnc tcaaagaact tttgagcaga agaaatcggg aatttgtt 168

<210> 2265
<211> 446
<212> DNA
<213> Mus musculus

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aaatcagaac tgtcgaattg gacagattca tagagattgt ctagttgggg ttgtgtcagg 120

cagatcagtg tggatctgag tttatttctg ctcttccctc tggcctaact ccatctcaaa 180

acacaagact cttgcacagg catcataccc taagactgtg accccagggt ccccagccac 240

ttgctctatc ctgacatctg gagttggatc aggctgtctg gagactgaag catccttctt 300

cctttgccta gaaaacagaa aggtaggggc gcccaggctc agcgcatgtg agtggagggg 360

cctggagtga caggagagtg acttcaggag attcatttct tcccaccggg ttgcacctat 420

tgcatgtact tttggcctga ctggaa 446

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<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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gactccatcc aggaaaccta gagagtgggc aagataggct cactaatggg ccgtggttca 120

cagacagata ttcctgtgga ccagagccat gccatacccc aggggtatca aaattgtctt 180

tgtggggcct tgcccntgcc aaaaactaag ccagcctcac ctcttgtgtc agcggacttc 240

cttccccttt ccctgatctg ggtacacccc ccnggcctcc ctcctgtgtc accgattctg 300

ctcacacaga attgtaaatg tttagttgtg accatgacat attgtttggg ccagtgttcc 360

tttccaatgc atactaatat attatggtta ttatatatga atatatttaa tgacatggag 420

aaagttgtgg attttctttc ttttttctttc ttttttttt taaagttttt ttgttgttag 480

agttgtaatg gacccagacg gaacttgtaa cgtgggccct acat 524

<210> 2267
<211> 481
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (93)..(93)
<223> n is a, c, g, or t

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<222> (103)..(103)
<223> n is a, c, g, or t

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<222> (296)..(296)
<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

<220>
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<222> (331)..(331)
<223> n is a, c, g, or t

<220>
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<222> (436)..(436)
<223> n is a, c, g, or t

<400> 2267
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ttgcataact ttcccctgtt ttgtttcntg canaattatc acnacagact tgtgttaaat 120

caaaggatcg gttatgatgt gcaataccta aaatcatgtt cagtcctata aggaatcttt 180

tcaatgctca cacacaggac ataaaggaga ttgatgtgtg tgtgtctgcg attcactccg 240

actcaaaaga ttctgagttg agtatagaat aaaacagtac tcacggagat tgacancgga 300

gacattccca gctttgtgaa atgttatntc nctgttaaaa cgggaaattt gaacccttta 360

tagcataatt tcagaattta gcgtccatat cttttgagag acatgattat cacaagaaca 420

tagatgatgt aaatanccta agacactgca aatataaaac tactatcgct tggctgttaa 480

t 481

<210> 2268
<211> 493
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (278)..(278)
<223> n is a, c, g, or t

<220>
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<222> (434)..(434)
<223> n is a, c, g, or t

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aagaatgtgg agaagaaaat ctgcaagttc acagaggtcc tcaagaccaa cggactcctg 120

gtgtgaaccc aataaagact gtttgcctca tgcctgcctg gcctgccctt cctccgccgc 180

caactaggga agtggggncc aaaggttcct taggcactgc tcctgtgggt agaggggaca 240

ttagagagct gacagcgcac cacctgcatg agnttttnat taaagtgcaa accatgggat 300

gaatcagttg agcttcagtg ttgaaaatga gtagcagggc tgccccaccc acctgaccaa 360

gtaccctatt ctgcagctat gaaaatgaga tctgcacatg agctggggtt cacaagtgca 420

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ttttatgtgc taa 493

<210> 2269
<211> 539
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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tgtgattact cattcaggag aagaggccgt ctccactaag aggtaccata aaatagatgc 120

cagcagtcat tgtgcccact gagatcaagg tcagagcttt ctacacccag acaactaact 180

gcctgcctag tgatcacatt gcatgtgctc aagttccaga gtgttgtaaa tgataaccgg 240

ccccatagcc tagctgtaat cgcaatcctg ggatctgttg tgttacagtc atctggcaaa 300

tatctgctcc tgatatttag gaatactnca aagggtttag aattgggtgc cagattctgt 360

taattatcnc actccttacc agtaacaatt tttttgtatt gaagtttcag gaaatgttaa 420

tttggtgaga atgcttcaaa tggaagtgac ttggtttctt aatttataag tgaaaggtta 480

aaatacacaa attagtatct gctgtacaca tttatacccc acattcttga gtccttgaa 539

<210> 2270
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<212> DNA
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<223> n is a, c, g, or t

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<222> (53)..(53)
<223> n is a, c, g, or t

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<222> (62)..(62)
<223> n is a, c, g, or t

<220>
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<222> (113)..(113)
<223> n is a, c, g, or t

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cncctgggac gggagaaaac aatgatacac atattggttt ggcaaaagtt ttntgaagat 120

gctttagctt tatgtgggaa taggtataaa cctcattttt atgctgtatt tt 172

<210> 2271
<211> 446
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 2271
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ncctgnggcg gcttnttcnc attggggtgc tggacgaggg caagatgaag ctggattaca 120

tcctgggcct gaagattgag gatttcttgg agaggcggct gcagacccag gtctttaagc 180

tgggcctggc caaatctatt caccatgccc gtgtgctcat ccgccaacgt cacattaggg 240

tccgcaagca ggtggtgaac atcccatcct tcattgttcg cctggactct cagaagcaca 300

tcgacttctc cctccgttct ccttatggcg gcgnccgtcc aggccgagtg aagaggaaga 360

atgccaagaa aggccagggc ggggctggag ctggtgatga tgaggaagag gattaattaa 420

tacttggctg aactggagga ttgtct 446

<210> 2272
<211> 433
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (364)..(364)
<223> n is a, c, g, or t

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<222> (368)..(369)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (400)..(400)
<223> n is a, c, g, or t

<400> 2272
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aagaggcaga gacaaagcag ttggaccctg cttgtgattt gggttttggg gttagggaca 120

tgcttggaaa tgattgtgcc actacacgtc cgtggagcct gcctggtgtt tgacgttgtt 180

taccatgggt cacctcctag agcagattgc taacacaggt cacactcagc tacctagtct 240

cagctccagg gccaggacag ctttgttttc cagttgctct tcatcttaag gtcaaaggcc 300

acccacagag tgacagcccc ccgggatgcc tcaggccacc acctaatgct cctngtcagg 360

ggtngccnnt tntnagtgaa catggagctg gagggtgggn ccgcctgggg tggctttgat 420

gacttgtcca tct 433

<210> 2273
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<212> DNA
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<223> n is a, c, g, or t

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<222> (105)..(105)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tggtgccata ncaatgtgaa gaggaagtgt tttcanttgg tggcntgtat attcctttag 120

tggcatccat gttanactaa aatggcccat gctcagtacn cctcttgttt tggattatgt 180

ggaggatcag ccnaannaca agataatcaa ttttgaaact tgccaactca gatgttagcc 240

cctgtatttt gtgtatgaaa tgctgtgctg tgtctcttcg accctgccta ggtgccacca 300

tgtgtaagga gggacaactg tgctggtctt cctcagcact gcttctcagc agtttgcagc 360

ctgaagttcc tgcaggagcc cttagtantc accaaaaggc tcagaccaga tacacgctgt 420

ncacggaaan tccttggtcc aaaccaagta cataaatcca cgtntccttt atttaaaatg 480

acatctacag gtgcagcttt gagttttctg agcagaa 517

<210> 2274
<211> 514
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (294)..(294)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 2274
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tccaaccttg ggaatagctt taaaaagggg aattaatact gagacagtga agtcccctta 120

agccgacaag ccctccatag gtgcacaccg cacacatagg cttctctcag tgcagactcc 180

aggtggtggt caacagctgc ggcatgctta tctatttgta cgaaatagtg tagggaagcc 240

ccaggaggtg ttatagcttc cntataccat gtggcttttg atgnttctgg attntcaaca 300

gcacaaaaga gtcctcgagc cggaacatgc gctactccgn ttttaaacgt ggctgggctg 360

tgagacccgt tcttggctct ggttttacga agccatcaat acatacacac ccttgatgga 420

gctgcagatc cgttcctttt cctgcagccc acttgtgggg gaaaagtgcc ttactgactt 480

acagtagcca ctcagtttca acaggtgcct atct 514

<210> 2275
<211> 539
<212> DNA
<213> Mus musculus

<400> 2275
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ggaacgacat cgccatcatc aagttggctg agcctgtgga gctgagcgac accatccagg 120

tggcctgtat cccagagcaa gattccttgc tgcctgggga ctatccctgc tatgtcactg 180

gctggggtcg cctctggacc aacggtccca ttgctgaagt gctccagcag ggtctgcagc 240

ccatagtgaa ccacaccacg tgctccaggt tggactggtg gttcatcaag gtccgggaga 300

cgatggtgtg cgctggtggt gacggtgtca tctctgcctg taacggagac tctggtggcc 360

cactgaactg cccagtggaa gacggcttgt ggcaggtgca tggcatcgtg agctttggtt 420

ccagtagagg ctgcaacaca tacaagaagc ccgtggtctt cacccgtgtg tctgcctata 480

ttgactggat caaggagaaa atacaactgt gaagagacgg ttccagaagt ctcgacgcc 539

<210> 2276
<211> 432
<212> DNA
<213> Mus musculus

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gcagctaact cgaagggatg tcttgggtgc atctttagta aagcttacat tcccgttcct 120

gttccattgc tctggtgtct ccggctgtca ctgaagacac cgttccacac agaggaaagg 180

cgtggtgccg ccctcagtaa gcagggaaac ctctccttcc cttgctgcag agcttgagtc 240

ccacatcctg ccatggactg tttaatctgc actcactgcc cctcctttct cccgggacag 300

gtttcctttt cctccagtta ccgtcaccct ctcaggaacc attgcttttt gtccatttct 360

ctgacttctg aacctcaacc catcaccaac cccgtntctt caacattact ttccctgaaa 420

gtctggctct tt 432

<210> 2277
<211> 487
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ccgtcgtatg atgatgnnag tctggacgca aaggaactga tatcatgnac acannggcac 120

ngcnttgann tgnctggcng gnnngatcgc gcgncganga agggnngcaa ggnctttttt 180

ncaagggnng catggtccaa cgttctcaga ggcatgggtg gcgcctttgt gcttgtnntn 240

ntatgatgag natcaagaan atacacataa ttatntcnta ggtgtttctc cccgagaaca 300

nggcatngtt gtataantan tannccatnn tcttgaacna ttctggacag attttntnng 360

ggcttgtctg ttttatcagt ggcaactatt taccagttga aaagtgggaa gcaataatat 420

tcatctgacc agttttntnn nttaaagcca tttccataat gacaataatg atgggacatc 480

taattat 487

<210> 2278
<211> 102
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgtagctcca agagccagga ggcaagatga ccccacgacc tg 102

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<211> 350
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (301)..(301)
<223> n is a, c, g, or t

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<222> (305)..(305)
<223> n is a, c, g, or t

<400> 2279
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ctccaccctg tgacgtgcag ggctgcagct cctgaccccc gggtcctgag gacggcttgt 120

tccctttgca ggtgcttctg ctttgacact tgactgacgg ggagggcagg ccagagcagt 180

gtgctggcca tgcctcaggc cgttgaccat agctagacag aaaagaacag cagccgtcca 240

ggccgcagcg ttctccctct gggcgggctg catggaatga gcctccactc agagtnttng 300

naaangcaga agccgtacct cagggaaagc ccctggttga agtgtctgtc 350

<210> 2280
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<212> DNA
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<223> n is a, c, g, or t

<220>
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<222> (38)..(51)
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<222> (53)..(56)
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<222> (58)..(68)
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<223> n is a, c, g, or t

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<222> (75)..(77)

<223> n is a, c, g, or t

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<222> (79)..(82)
<223> n is a, c, g, or t

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<222> (85)..(89)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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nnnnnnnntt tnntnnntnn nnggnnnnna acaccntgag gaagcccaca gtnttnaccc 120

gtntntcagc cttcattgac tggattgagg agaccattgc caacaactag atccaaggtt 180

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ggagaaaaat ccccacctgc tcctctggtt acttgggtag gcatggactt gggccagttc 180

tgcccaggcc tcctgcctcc acagtagaat tcaaaggcta catgtatggt gagattgtac 240

ttcactaggg aatccatttt gtgctaggca nccatggggt gaggtataaa ggtggagncc 300

ctcagatata gnccaatttg gggtggtcag tcacttaagt cctgaggttc ttggcantcc 360

catggcacag tggctctgga gcccattgct ttgactctga ccatgggcac tntccnagcc 420

nagactagnc ctcattcttg tctgtgtctg ggtnntcttc tgtggctcct tttgcaccca 480

cccctggttt gtttgttgac tg 502

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<400> 2283
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gatggtcact gagattcagg atgctgagat tgtggggcag aatgggcttc caccaaggcc 120

cagagccatg catggcagca aggtcaccag aagctgagtg cccgaccgag tggcgcactc 180

ttcccagcca ccctatctgc cgcctgcccc tgtcctgctg gcaccgggtc tatgggcttc 240

cttccatgat gctgcccagt gaccagtggc tgccctccct ggcccatgca ccctgcccag 300

gatcctggac ccctcagacc tgacacccag caagaagggc ttacacggga gctcccgaaa 360

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acccctgctc caagctcttg tatctgtgaa ctttcat 457

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<212> DNA
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agaaatggct taaaagccca agaaatgccc ccttgagacc aggacactag agaaggttgc 180

caaggcaggc cagaatcagc caggaactcc tgcaaagtcg agagcattct gcctacctgc 240

aagaagaaca ctgcatactg ggcatgcagg taccaccacc tgtcagcagt ttctccaggc 300

tctgctggta tagccagccc agaacccatc ataccagaaa ataaccttca gtctaaatca 360

aatgattcat tcatggtcac ctgatcagtg gcttcagtca cacataattg aagtctctaa 420

ccctagtcct acccttggca caggcctcca gtgagcctgt tctgtttcag aagaaagggg 480

aagcagtgta gcatttttg tttggtctct taaaaatgtg gttaaatcca ctatttttg 540

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tngnntacaa ganctnnnng cagnantgna tntntgannn acnngncggt nntggttttn 180

tacctgctta ntnttgttnt cacaggcagg ggaccagcaa ccctagatat ttntnggaan 240

ttnctttgac ctggaaggaa cctttgggag ctgtgactcc cntgtgcagt gttacgtgcc 300

actgttagat taaagtgtt 319

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agaccgtggg ggtcccacta ctggcagggg cgtgctgggg tggcaggaag tgacccgggt 120

ccttccctca g 131

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<212> DNA
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agctatcact ttagtataaa acactgacat tgtttct 97

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cgggcgagca tnnnnnngnc nngnnnnnnn nannggnnnn nngnnncnnn ncnnncncnn 120

gnnnnanatn tnttacaccc ttccttggag gaggagaaga aaaaacataa gaagaaacgg 180

ctggttcaga gcccaaattc ttacttcatg gatgtgaaat gtccaggttg ctacaagatt 240

actacagttt tcagccatgc acaga 265

<210> 2289
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<212> DNA
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gcacgtgtgt gtcaattgaa ctagcctagt tcattatcac ctctactttc tgggcagttg 120

ccaggatgca ggagatgaag aaagctacaa agcactgctc tctttgagat tctaggtttt 180

cttttcttct catcatggta atgaggggca gtgaagccag aggtttaaat gagcatagac 240

ccatggtgga tggggtatgt agcttagatg gaagactgct tgcttagagt gcccgaagcc 300

atggcttcct tcaccacata aactaggacg gtggagtgtg cttagaatcc tagcatttgg 360

gaggtggaag tgggaagatc gggagttaag ggtcaaccag ggatacgtgg gaccctgtct 420

taccatgtgt ggaaga 436

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gttgaggggc aanacggggg tggggtgagt gggtggggna anattcattt agagcaaact 120

gaactttgca aatggcatct ctgtactttt atcactagct ccatagtctt ttatttttgt 180

atgtcttttc acttttctct cggctatcct ttctgctaac tctc 224

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ctgggctctc ttctgttctg ttttagtttt tcttcttcag tagcttgggc tgcagcttct 180

actctgccca ttcgatgtgg gggaaggcca tttctttttn taatttgttc tgtgtgtttg 240

cagatctggg gctttttgtg tgactnccct gtggtgcaca ttttacttta gagccctagt 300

ctgcctgcag tcngtgtctc ttatacgttt aaatgtgt 338

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aaaaagcaat gaaaagacaa tgggtgatta ttttaatctc tcagtgaact gtactcttct 120

caaaggaaaa tatgtccttg ggttaaaaaa aanccacaaa tttaatgtac aatcatgtga 180

cctagagcaa catgggccat cacaactgat tcactccata ctataagttt aagtgggtna 240

gggtgccaac tacttaatga ctttcaaatc tctggcttct actgctgtct taacaaccat 300

gggtttatag actgaatgat gacacagagt gtggatgtgg gcgagtctgg atgttttcat 360

attcagaaag tgtatntccc taacaaccat gggtttatag actgaatgat gacacagagt 420

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tttgggatga agttctgtta tctgaggttc tt 512

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gtggcttaga ttggcataat ccagcgcttg taatgggaac tgctaagaca taggaagctc 180

tggggctggg tccaatccag tcgggggnng nnnnnnngga ggctgcttgg aagggctagt 240

cctgagtgtt taccaatgta ctgtgacatc cctggcttct gtttcctgtc tctggaaagt 300

cagcataatg gagaacagca gagaaagcag cagtagcggc tctggccccg cctctcactg 360

tcgcatgcag cagagacatg ctgcatgatc tcaggggcct tgtacactgc actgggtaag 420

ccaataccat gtcctgggaa ggctgacaca aattccaaca gaagccacac tcacttggca 480

gacttttatt tttgggtaaa acaaaacaaa tgtacctctc gggtcagaa 529

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<210> 2295
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tgtctgtgaa gacgaccatg gtgtgcgccg gcggcgatat ccagtctggc tgcaacggtg 120

actctggagg nnnnnnncna ctnnnnnnnn ccgcnnnnna atggnnnctg gcagnnnnnn 180

nnnnnnnnnn cnagctttgt gtcctccttg ggnntgcaac accctgagga agcccacagt 240

gttcacccgt gtntcagcnt tncattgact ggattgagga gaccattgcc aacaactaga 300

tccaaggttc ggctggcaga 320

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<212> DNA
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ctgaccagta tagaaaacat tttcatgtct atgtgcctca caaggctgct tgggcattaa 120

tattgccttt tgagccttaa gtgtgcttat agattggaga aaccgtgatg ggaacaggac 180

ctagttttgc ctgttttggt tacggcctca caggcatata gcgtgtagaa gattcaaagt 240

gacttccctc atttc 255

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<212> DNA
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cctggggctg agaacatagc agaacagacc aggacatgcc cgggcaagcc catcgcctcc 120

ctagctccca cccctctgac ctaagttaaa tgttacaggc tgctgatgtt taaa 174

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<211> 436
<212> DNA
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ttaatcttga actcctgata cccacatagt cttatctggg aagagttgtc atttattttc 120

cattctgtca cccacatctc tttacttttc tcttaagagc ttgatgtaca gaaaactgaa 180

aatatgtaat gctcagtgat cttattattt aggagtgttt tgactgatat atttaaagat 240

agattatatt catgctgtct tctgttgact ttgagaaatt gtacagtaga ttgtcttgat 300

cattgcattt gttgtctttg aaatgtatat tttgtcattt taaattcatt tacttttcag 360

gtgtgacttt atggttgact tttaaaggta gggatagatg aaaatttaag gaaagctatc 420

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gtggatcttt tgccgcacca ggctcatcct gtccatcgtg tgcctgatga tcacgcag 118

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ctgtcttttg gtctt 135

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nnnntnnnnt nnnnnnnctt nccntnngna gatcantnna ngagacantg cntntnnttn 120

nanccttncn ntacanngac angcanggag aantntnccc tnntggctgg aaacctggta 180

gtgaaacaat aatcccagat ccagctggaa aactgaagta tttcgacaag ctaaactgaa 240

aagtacttca gttatgatgt ttggacctt 269

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ttgacttact gtcatcctcc ggcctcgacc gcccatgagt taggatnata ggtgtgacct 120

ggtntcctct gctcaagatc agcatttttg tttgtttgtg tgtttttttt ttttgagaca 180

tgttttcgat acatagatct ggctatcctg gaactcacta tgtagaccag gctgncctca 240

aactcacaaa gttatnccag cttctncctc tcaagtgctg gagttaaagg cgtngtatac 300

aaacacgctt ggcnaacatt ttttttaatt ggaaaaaata acaattttaa agtgaagtat 360

gcagtntcat ttattgatag tgcacagctc tcagttttat gaaattattc caggaataac 420

ctctgttccc atcanccgtc actccggagg cattnttcta tgcgcatccc ctggcaacag 480

ttacanccag attgatcagg gcaacttgga a 511

<210> 2303
<211> 187
<212> DNA
<213> Mus musculus

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gctgaatttt tgctgcacat gcttaaaaat gctgagagta acgctgaact taagggttta 120

gacgtagatt ctctagtcat tgaacacatc caggtgaaca aggcacctaa gatgcgccga 180

cgaacct 187

<210> 2304
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tgttgtcagg aagcccttaa acaagagaag gtaagaagcc caggacacaa agagcaccca 120

agatttcagt cgacttngtt acatccntcg tgtccttgca acacaaaacg ccgacgtatt 180

cgctctgaag aagcaacgca acttaagaaa gaacaaggan nggaggctgc agaatacgct 240

aaacttttgg ccaagagaat gaaggaagcc aaagaaaagc gcccccaacg gaacagattg 300

ccaagagacg taggctgtcc tcactgagag cttctacttt ctaagtctgg agtccagtca 360

<210> 2305
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<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 2305
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nnnnnntntn nnnnnnttat gggcncnnnn tcctagacat ntgcanntct ntntccnncc 120

ntggggacac atnnntacct tcaaantant tngaantctg agcatcacgc tggagggatg 180

aatttcagga tgttcctaca agtgggagga agatntacaa tcatgcttga ccttttttata 240

caaattattt tgacntccta ttctcgacct ccaggacaaa ga 282

<210> 2306
<211> 218
<212> DNA
<213> Mus musculus

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<222> (105)..(105)
<223> n is a, c, g, or t

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gagccaccca caacctcatt agaaagcgct gtacactgag cctgncgcca gttactggcc 120

aggccagttc tcctgactcc ttccgtgcat tcctgcatcc ctgtgcggcg cttggggagc 180

tcaagggaga ccaacggctt catctgcggg tggcctgc 218

<210> 2307
<211> 334
<212> DNA
<213> Mus musculus

<400> 2307
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ctctgtttta caagtcaagt ccctcactgt gagtgggatg atttcctgct gccttccttc 120

cctctgcctg ttaggtcaca taccaaagat tgctgagtgc tggtgggatg tggagcctca 180

cttggacacc tcagacagga agtccaccag ggccaacaag cctaaggagg gcacaaaggg 240

ccactttagt tccctggggg actggcttac ctggggtcag tgtgtaatga gttttgtctg 300

gcaagatttg ctgattctgt tcaaacgcac catt 334

<210> 2308
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<212> DNA
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<222> (65)..(65)
<223> n is a, c, g, or t

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caagnttgag aatgacattc ctaggcactc ttgtcaagac aggatgaata gtggggagag 120

agagagcaca tatcttatgc ccctcaacgt gagccatctt gatgctcctc acaca 175

<210> 2309
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aatcatatag tatgtgggct tccatgatca gcttctctca tttaaccatg ttttcaaggt 120

tcctctgtgt tatcgcatgt atcaggacgt cattctgtct ttgtggttga ataatggaga 180

tgatgaggat gctatgtttt gtttatctat ttattcagtt ggcagatgtt tgggttgctc 240

ctgctttggg gctattatga acgataattt tatgaacagt catacacaaa tttttctgtg 300

tgaacatatg ttttggntcc tcttggnatt nccagatcat atggcaactc tatntttaac 360

tttctgaggg acttccaaga tcacagcttt tatatcttat gaaattcaaa gtgaaaaatg 420

acatacacca ggcggtcaga ggcagggcac atctgttcct ggttggatac 470

<210> 2310
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 2310
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cctgggatta gacccaggaa caggaagaga agaatgaaga aactgggagc agttaggaag 120

tgaataaccc acttcctcat accagctcac aatgacaggc cctgttccca gcactccctc 180

tgcaaagggc ttttcattaa ttctataatt gcatgtatgt gtcacttgta cgtgtggtgt 240

attctcacct taggtgtgca gcacagaagt gcaatgctaa actttcaaaa gaaacgacta 300

agctccacct ctcactgcct ttgcctntgc ttgccctcca catcctagaa gctgtgantc 360

ttctaccttt cctaggaagt cattggtttg tccgtgttta 400

<210> 2311
<211> 357
<212> DNA
<213> Mus musculus

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tggtgctgtn agattgtggc agagaaggct tcctcggtga ggcacggtgg ctcttctcta 120

ctggggtntg agtgaggtag ncagcaggct caggtgcccc tggtgggggc ctggaagttt 180

ntgggtcgga gcttcatttc cntgaagggc acagaaaact cgaagccctt ccantggtac 240

cagctcactc cctgaggaga gggttgtcaa gggaagagag tcaagacagc gccatatcaa 300

tgccacctaa tccagcccca ccctgctcct gtaggtgact cccagggtcc agctatc 357

<210> 2312
<211> 561
<212> DNA
<213> Mus musculus

<400> 2312
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tacaagtgga tagtaaattt ttcataagta tttgctgatc tttggggaga gtactcttgt 120

tttcgttagg tatggactag aaatttcagc ttaatttcta ttgtatggtt caaggtaaaa 180

cactttaaac aagttaaaaa atcaaaatgc ttcctctgtt gtagtcttta gacgtctttg 240

tgtcagagca tggagaattg tttacactag ccaatggagt agtgactctt aaaaaatgat 300

ttcctatgct gctgtaagta gaagcacaaa gcttttgggt aatgtggggt ttactatgga 360

gtgtatgtat gttggcctat gcaggattga actaagcagg aactgagtcc agatggaaga 420

atagtacata tgtgaatgtt ctcaaaatta atgtgttaaa tagggtgctt tttcttttcc 480

ttcctacaga attcttaagt tttttaaatt ataagtcctt ctagagaatg ttaattgata 540

atttcaacga atactaccca g 561

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<212> DNA
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<223> n is a, c, g, or t

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actttcacct agggcagctg ttgcatgcca atttttnttt tntgtgtgtg tgtgtgaaaa 120

cacttcagaa ttgaat 136

<210> 2314
<211> 303
<212> DNA
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<223> n is a, c, g, or t

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<222> (210)..(210)
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agtaacaagt tttataaatt taatttaaat tgttacaggt tttcatgttc aggacaaata 120

atttttcaac cttcgatgat atccttgcag cagtttgttg gtaaggtgac tttcacctag 180

ggcagctgtt gcatgccaat ttttnttttn tgtgtgtgtg tgtgaaaaca cttcagaatt 240

gaattaaaag atgtaaattt aaaattggtt gtgtatctaa tatgcccagg ttcagtaaat 300

aaa 303

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cgnttnnncc accttattta nctaancaga tcntntantt cattnggatn nngaagnnnn 120

nnnnngnnnt ngngnnnann nnncagttaa anataccttc atttttgga cttgcatatt 180

tagntgtttg gaacagagtt gtttcctttn tgaatttcaa agataagact gctgcagtcc 240

catcgcaata tccagtggg 259

<210> 2316
<211> 173
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caactccact tccacctcag tattncttgg gctttggaac cattgttaag taaaataaat 120

gttgctgggt agtttctncc cattgattgg actcagacta ataaattttg gaa 173

<210> 2317
<211> 372
<212> DNA
<213> Mus musculus

<400> 2317
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taaactcaat agctgaaagt ctacccagta aagggcttag gattttgcac tgcatggtat 120

ctgcactcag cagttctttc ctgttgggtg ttcaaaagac agtgctatag aaactcacta 180

tctggcatcg ttggtttctt ggctttgtgc atgttaaacc tggtatttct aatgatacag 240

tttttcatat gtacataaat ttttgtatgt aggtgtgtcg gggagggcag aacaacttgc 300

aagtttgatc tcaatgtggg ggtcttaaac tacctggtct taaagctttc tcttcttcct 360

agggtgacac ga 372

<210> 2318
<211> 491
<212> DNA
<213> Mus musculus

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<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (416)..(416)
<223> n is a, c, g, or t

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cctagcccca ggatctttcc tgatttataa ctgcacgatt caagctactg aatcttgctc 120

cacgtgcccc ttctatctcc tactacatct gtgggaaccc aactcaagtg cttttgatca 180

aagaggggtg gctacatctt ttggctagct ctcnccatgt gataatgtca gtgtgctttc 240

cgtatcagat caaagaggta acctaagacc tccatgacaa gttctgttct tgagagatta 300

tttttcctag tatactaatt gggttctaag aggaacttaa tgattctgct atgaccacat 360

acctctgatg tattgtgccc agaaaaaaaa aatggtggtt tgggtttccc cctgancctt 420

atagaatagc aactgatgtt atatatctga gagaggcaac cgtatcttct tcctgctaat 480

tcatctcttg a 491

<210> 2319
<211> 440
<212> DNA
<213> Mus musculus

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tctttgcaac caacttcact tcaggcagtc tcactgaccc tgccgcagga aaccagatct 180

cagtgcaggt taaagacgca aacctgagcc agtgagacag ctcagcggta caaagcaatc 240

gccacacaaa gacagaagga gagaaccaac tcgcaggagt tgtccccttt tctctgcatg 300

cacgtgcatg tacaatgcat atcccctgtc atgtacatgc acacacaata ataagtaaat 360

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caaaccntcc tgtggtatnt gttgtgaaga atagagagcc tagagccaca tcctgacctn 180

tntacacccc tgcagcccnt caaccccagt attcattcct gccctctcca gcaatgacct 240

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tgggggtcat ctgtgagtga gcnnnnagag ggagcacagt gtgctgccag ctctcatccc 180

agcgttgctg ccncgactcc tgcagtttct tccggaactg gcttagcttt ccagcagggt 240

ctgggaactt tgagaaaagc atctagggaa acaggaaaac tggaactcag ctccctgcac 300

caggccccgg cctccttgct cgtgtccagt ggtgcccctc cgctcantng acanntgatg 360

gattcatnta ctcacccaca nccctgccct agagaatggc tagcctccac ctgctattnt 420

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gcaggccaga aggcagcacc tcctgttaaa ggtcagaagg gtcagaagac cccagcccag 180

aaagcacctg ctccaaaggc ggctggcaag aaagcgtgag gctacacaga ataataaa 238

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agatnttcca tntccnagag nccactctnt ccnnccannn tctnttcagn cccactgaag 120

aagtgtgcag aantcttgga antctntccc cnccctgaag agcttcagaa atagtgggag 180

tttccctaaa ccctttcata cccttaattc atntcatgta taaattaaca taaatcatnt 240

ctatttacat agtgaaggtc cagaataaa 269

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agtatcggnc tnccctggaa aatacatcca agncctagaa aangcccccn aaacctgnca 180

agaagtgaca gactcatttt atgcagtgga ccccatggga acccaggttc tgagctggta 240

actgatac 248

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<212> DNA
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<210> 2326
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ctgctaaaaa ctgcctgctc cggga 85

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aagantgntg aattttnncn ngcacatgnt taaaaatnct gagagtaacg ctgaanttaa 180

nggtttanan nntagattnt ntantnntnn nannannnnc naggtgaaca aggcacntaa 240

gatgcnccga cgaaccnaca gagnntcatg gccggnatta acccatacat gagntccccc 300

tgccacattg agatgatcct cactgagaag gaacagatnn ttcnnnnnaa agccagaaga 360

ggaggttgca cagaagaaaa agatntccca gaagaaactg aagaaacaaa aantcatggc 420

ccgggaataa attcagcat 439

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gtgtgtgctt tatgatttgt gaaangtcta tcatgttgtt agtgctgcaa tctaaataaa 120

agtat 125

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gaagtgaggg tttcttgttc tcctttaaaa atcagtctnt agactacggc catcaggaat 120

ctaccctcgc ccacctgacc ctgcgaggac acgggcaccc agcagcacct ctcctctgtt 180

accttcccct tggcgatcgc tcgggtttgt gttaagttaa tctgtatgtc ctgtctgcca 240

gcgttccctg tactataggc ctgtgtatag tgtagggcag agcgttgacc cactggctag 300

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gaactgatat catgtacaca ggcacgcttg actgctggcg gaagatcgcg cgcgatgaag 120

ggagcaaggc ttttttncaa gggcgcatgg tccaacgttc tcagaggcna tggntggcnc 180

cntttgtgcn ttntnttnnt atgatgagna tcaagaanat acacataatt atntcctagg 240

tgnttctccc cgagaacagg catngttgta taatatacca tantcttgaa cattctggac 300

agattnnctn tgggcttgtc tgttttatca gtggcaacta tttaccagtt gaaaagtggg 360

aagcaataat attcatctga ccagttttct cttaaagcca tt 402

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<212> DNA
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tgtggacatc cccaccgaaa gtgttgctaa tcactgggat gtgacaccac tatttcgcag 120

acccaggggg cggctgccaa tataaatgta aaggagccca cctagttgcc tggatgtgtg 180

agcaccttct aagtggccca gctgattaat atacacacca ctggtgctct tagcaaagga 240

cagacggcat ttgccctgaa a 261

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<213> Mus musculus

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aaagctctct tcctgcccaa gagactcagt ataattcact gccccgggca tcagaggggc 180

aatagtgctg aggctagggg caaccgaatg gcagaccagg cagcccggga ggcagcccta 240

agaactgata tagagacctc cacccttnct cttnagagac ctccgctccg tacacctcca 300

gnctttttcc actacaccga gacagataaa agagacctgg acactctggg agctgcctac 360

gatgagacaa aacggtactg ggtctttcag ggcaaacctg tgatgcccag tcaaaacacc 420

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cagcgccaaa aacaacaaat gcgaggactt catttgcaac tgtgaccgtg aggccgccat 120

ttgnttttcc aaggtcccgt acaacaagga atacaaaaac cttgacaccg ggaaattntg 180

ttagcctgtc acctcacttc ctg 203

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<223> n is a, c, g, or t

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cagtatcacc aactcaaatc aatagatcca gaagaagtgg aatcacgtga ataaaagatt 120

ttattcagtt tccagaaaga ggggggaatg aaagaccccn ncatnaggct tagcnagcta 180

nctgcagtaa cgccatcttg caaggcatgg naaaatacca gagctgatgt tctcag   236

<210> 2335
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<212> DNA
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gttctcagag catactctgc agagcacaag agtttgctac ctacctgttt tcactagctt 180

aaatgaaagg gattcccggt tctagtgtgt tcctgctgat ggtccacatg aacaaggaac 240

catcagattc ctcagcccac attcacaata aagtctcact tggcctgatg aagcagttaa 300

aaagagcagt nttttttttt nccccagcgn aggtagnggg aagggcttnn ggaacntgaa 360

agctggncaa taagaantnt tnagggaant cctccttggt aggtgnccca tgctcctgta 420

gatgncccca catgctttca aacagtntca gcattgattg aactcagtgc actgttatga 480

aagagatcaa cctgagaggg agatgcgtaa gggttggggt gctaggctca tatagtacac 540

t 541

<210> 2336
<211> 123
<212> DNA
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ggacccgtgg aatagggtag tacctccaac gtggagttga tgccctaaag gtgtattatg 120

tta 123

<210> 2337
<211> 132
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gccttntgga atagggttcc agccactagc catgttggca acaacaggga cacccttcac 120

gtcctgcaag ac 132

<210> 2338
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<212> DNA
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<223> n is a, c, g, or t

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aagcacgagg agaagctgaa gaccaagaag cagcagcgga aggagcggct ntttnctttn 120

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<210> 2339
<211> 430
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttcctccag tgtcctcaga aacagtccca gaagcagtgc gccccacact gggtgcaccc 120

tatcatgtgc ctcacacttc agcatttgta acatggtgca tagaagggtt gtcccagggt 180

ctgcagtacc aggaccctat ctgctccttg ctagaggccc ctgaaccttc cacacatgct 240

acacccagca tgtttgcaac actgaggtca aacccagggc ctggcacatg gtctgctgct 300

gactgacagt ctcagcctgg gaaccttaga ggaaactgga agggctggaa gtntcgcagc 360

tgggcagctg ctcccttagt atgcactnca aaanccagcg gtgctggtgt tcgtgtgtaa 420

tctcagcatt 430

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<212> DNA
<213> Mus musculus

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actttcacct agggcagctg ttgcatncca attttttttt tttgtgtgtg tgtgtgaaaa 120

cacttcagaa ttgaattaaa agatgtaaat ttaaaattgg ttgtgtatct aatatgccca 180

ggttcagtaa ataaacaa 198

<210> 2341
<211> 154
<212> DNA
<213> Mus musculus

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<222> (109)..(109)
<223> n is a, c, g, or t

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ctgagggggc ttgttttccc ttatgtgcat tttaaatgaa gatcaagant ttttgtaaaa 120

tgatgaaaat ttactatgta aatgcttgat ggat 154

<210> 2342
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<223> n is a, c, g, or t

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tcagggngnn nnnnnggagg cccnactgan tntgtgatgg tgttttncca aggtatcanc 120

atncatgggg ccctagccct tgcggtaaac ccaatgtgcc gggtatttac accagagttt 180

taaatttcaa cacctggata ag 202

<210> 2343
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caaggaggag gctgcagaat ancgctaaac ttttggncca agagaatgat aggaangcca 120

aaggaaaaag cgccaggaac agattgccaa gagacgtagg ctgtcctcac gtgagagctt 180

ctacttccta agtctgaagt ccctagtcaa aacaatgagt cttta 225

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgaagcagc tgtgctctgc tctgacctcc ttggctgccc ctctgcgtcc agggctgggg 120

ctaggaagag gcaggatggg tgcaaggagc agggctggga gctcaccgtg tacagttggc 180

actcacacat cagagcttca ctgaaccaag ctcctgtctg tgtgaagcgg ggtcagggaa 240

gagaggcact gctgtgtgtc ctgtgtgacc tgtgctcctn atcanctttg aagtgaagaa 300

agtgaggtgg tcnttctgaa ggttcagttt ttnatntaca ganatagtga tgtttgctat 360

acancaagtg ataggtgtaa ctggtaacca nggctagcta ccagcattgg tntccttcct 420

ctgaactgga atcggttatt caggaataag ttttcaaacc ttttctncct gaagaattca 480

tgagtattag acngggtgtg taactcggtg ggaaagcatt tgtagcatgc ccaaatccct 540

gggttt 546

<210> 2345
<211> 167
<212> DNA
<213> Mus musculus

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gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtttgtgtgt gtgtttacac 120

atatgcatac gtgcacgaat tcttatacat atggacctca gaagaca 167

<210> 2346
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<212> DNA
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tatttacctt tgaatacttc tctcttttca tatatataaa gccatggaag aaataagctg 120

ttttcctttg gcagagatgc cacattttct taacaggctn ctgacctgcc aacccacttc 180

accagattga agtggaggtc agtggtgtta cctgaagaaa catctccatc catggcctta 240

gaagagtgct t 251

<210> 2347
<211> 107
<212> DNA
<213> Mus musculus

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tggctatttt tctaacatgt tcatgtattg atgttttgtg tatgtgt 107

<210> 2348
<211> 124
<212> DNA
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agtattgatc aagttcagag tgaagtcaat gtctctaatc acacatgttc ttgctataca 120

ttta 124

<210> 2349
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<212> DNA
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nncntnnntn nntnnnnnnt nnannntntn ntgatttcct gnatatnnac agtacctttt 120

tcattccccc ctcagtgaga atgcacnatg tgcttgtgct tgatgactgt gtgtgtaaat 180

tctcatgcta agaattgctt taaactgagt attgatcaag ttcagagtga agtcaatgtc 240

tctaatcaca catgttcttg ctatacatt 269

<210> 2350
<211> 82
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tccaggacaa agactagaga tt 82

<210> 2351
<211> 109
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<222> (51)..(51)
<223> n is a, c, g, or t

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gattgaggag accattgcca acaactagat ccaaggttcg gctggcaga 109

<210> 2352
<211> 359
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (186)..(186)
<223> n is a, c, g, or t

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taactcctta aaacctttaa cattttcatt ggaaacagtg actgagacag actgacttga 120

ctgtatccac tggggagatg accttggtgt gtctgtgaag ttacgggcgc acatcctaga 180

catctncagt ctgtccccgg cctggggaca cacggtacct tcaaagtagt tggaatctga 240

gcatcatgct ggagggatga atttcaggat gttcctacaa gttgaaggaa gatctacaat 300

catgcttgac ctttttatat gaattatttt gacatcctat tctcgacctc caggacaaa 359

<210> 2353
<211> 293
<212> DNA
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anannncnnn nnnnnnnnga ccannagatc ntacntnnnn nggcagcnga agnnnannnc 120

cnntncnnng cntgnanccc cccccnantn nccccccccat cccccagtgt cggctgagat 180

gttgcntttg cacggtntnt gtgtgcagtt cccaactttc tgcagaagat ggtccttgcc 240

cttgtcctga agagtagtaa tggttnttga aaaagatttc aaataaagcc tgc 293

<210> 2354
<211> 47
<212> DNA
<213> Mus musculus

<400> 2354
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tccttgacga gtccaacctt acanccatgn agaagtgtgt tatatacacc tttattntnt 120

gtatttggag aaataaccan tnttatctgt agaagcatca taccactgtg ttttatgtag 180

tgcgattgtt tgaaattcag tttagtt 207

<210> 2356
<211> 62
<212> DNA
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aa 62

<210> 2357
<211> 505
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccagatggct agggacggga ccaagggtgc tgtgagttgg gggtccagcc cacgtgtagc 120

ttctagttcc tgctcttgca tgcacacacg cacattgttc acccaccaac caagtcctgc 180

agtttcctta ccagggtagt cgagtagaga gacctggcta ttgtgtgaca gacaggcaaa 240

agataccttc aaaacatcct tgtgatcaga gggaaagacg cctgcacctc ctnttgaaaa 300

tcatccctct cttgtatgta aaaccatcgc tttccctccc cttatggtgg ggctcagggg 360

ggcccagggg gtagtttgtt tgttttttt ttttctaaaa tgcaccacct tctaagatga 420

gaactggtgc tccancccnt gagccctgag gactgaaaga gtgttgagtc ccaggaaggc 480

acagaaggtg gctggcccgt tacaa 505

<210> 2358
<211> 234
<212> DNA
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aagcccaccg agggacagca gctctgtgac tgagcgtttg ccatcctgtg ctgggcccag 120

gctcccacct ggggaagagc ggattcttag acaggattct ttgatcccca gggtttgctg 180

ctgagataca atcatgaatt catgccgttg ctggttttat ttactctact ttct 234

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<212> DNA
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<223> n is a, c, g, or t

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gcccgtgcnt nnttcccata ataaacgttc ctgatgc 97

<210> 2360
<211> 89
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggantcgtgg acaacatcgg atacctttc 89

<210> 2361
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<212> DNA
<213> Mus musculus

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<222> (38)..(38)
<223> n is a, c, g, or t

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ggcaagtgtt ccctttgggc a 81

<210> 2362
<211> 255
<212> DNA

<213> Mus musculus

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tgtgtctaaa atcaagtaag ttactgattg tccatctatc aaattctgta agaaagtaac 120

tgatcagaca aaaaagacaa gctacacatt cttctctttt agctaccctc accaacatca 180

tggaaatcca tacacttagc ttgtttataa aattctaacc tcttacaaat ttatttagca 240

tttaggcacc aaagt 255

<210> 2363
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgtcagttat ttttttaact aggtttcttc actaaacatt tattaagtaa atctaagaaa 180

gaggcaaagc tatgattcat tgacttaatc aagttttgag ggtatcttta atttttaaa 240

attgcagttg agtagataga tatattggtg ctgctcctgt gtgtgtgtgt gtgtgtgtgt 300

gtgtgtgtgt gtgtgnnnnn nnnnnntcgt attaaagaag gacaaattac ttgaaggaaa 360

gaaatggtgt gcttatttaa tgaccacaaa ttttttaaac ttttccaaat ttaggntctt 420

actatgggtt tcccactnaa agggatcaca ataaatgcaa aaatatatac atatataact 480

gtaaggtanc cttggctagt tattttatgc agaaa 515

<210> 2364
<211> 534
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (481)..(481)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttgtgggtt tttctggtgt gggattaaaa aaaaaatgct attgcatgca cagaggtggc 120

tgcagttctc cctccggaat gtcctattga tacggtgttt ttatttttca gctgaccatc 180

tgcctcttga gagaaagaag tgggcatcct acctttaaat tcaggaacca ttttttttt 240

tnatttgact ctgttacctg catcccttac cgaagttgtt tggggagggg gttctgctcg 300

ttttgggggt ggggaattcc aactagccac tcctgcattt tgtatttgtt attcaaactt 360

ttggtatcaa aaatcatggc aatcctaagt tcacttcagg ggagaattct gtttaatatg 420

ttcttctctt agatgcaatt ttaaagtncc ccttttttgtt actagagttt tgatctacaa 480

ntcttaacta tgtttgaatt gtgccnagtg ttgggtaaat gacttttctg cctt 534

<210> 2365
<211> 256
<212> DNA
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aaaggaaaaa gaatnccaaa atcagcnnnn ncctnnctgg aggagcagtt ccagcagggc 120

aagcttntna nccnntgtat tgcctcacga ccaggccagt gtggcagagc agacggctat 180

gtgctcgaag gcaaggagct ggagttctat ntgcggaaga tcaaagcccg gaaaggcaaa 240

tgagcctcat gtgtag 256

<210> 2366
<211> 168

<212> DNA
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<223> n is a, c, g, or t

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cancccaca ggnntcttct gaagaaaccc nnnnnnnnaa ctgtgaccta tagggagagg 120

ggatcgcaga accagggcat ctgcctgaac taatacctag taaagaat 168

<210> 2367
<211> 508
<212> DNA
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<222> (115)..(115)
<223> n is a, c, g, or t

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tctgctttaa cttttatctc cttggcgtca ccttcagtca cctccacttt atctnatttt 120

ctctactttt gggttagctt gatcatttat aaaaggaatt tctttaagag tgctttgttc 180

tacaagtggc tgagcctgct catatacttg accagtggtg cccaaaaggc tttggagtat 240

gtcatccaca ggaagaggct tatttgctaa ttccagagta gaaggttgat tgtcccagcc 300

aatcaggacc ccaggaagga accttaaggg ttttggtggc tcctgcttgg tgacttccat 360

cagaggttca gctgctgttg gcaggtcttc ctgaagaggc tgtgagggct tatttctctg 420

cttgtgtaac acagttgtaa aggaattgaa aaagtcactc tcttcctctg ctgcttcctc 480

tgtgcatgac tccattttac ctttcttg 508

<210> 2368
<211> 141
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tccatntnga tggggtgacc acacccctca cattccacag gcctgatttt tataaaaaac 120

taccaatgct gatcaataaa g 141

<210> 2369
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tntgtagact attatatgga agtggatgat tgctactgtt catgtgcaaa tggacca 117

<210> 2370
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<212> DNA
<213> Mus musculus

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<222> (32)..(32)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtgtttggtt ttgtatgtgc tccctcattt taaacattaa accaaanttn ntggtttcct 120

ttagacaatc caagagaaat 140

<210> 2371
<211> 154
<212> DNA
<213> Mus musculus

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<222> (30)..(30)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 2371
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atgagctatg aatcantgga gcaagcagcc tacaccaaac gtgatggaac acccccagga 120

ggggaagatg gcagcattgc cttttatatt acgt 154

<210> 2372
<211> 125
<212> DNA
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<223> n is a, c, g, or t

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agtggccaat gttntntccc acaagtacca ttaaantcca ttccagtaca ctggcaatcc 120

catgt 125

<210> 2373
<211> 56
<212> DNA
<213> Mus musculus

<400> 2373
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<210> 2374
<211> 282
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (66)..(66)
<223> n is a, c, g, or t

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<222> (109)..(109)
<223> n is a, c, g, or t

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tgaaanaccc cttcataagg cttagccagc taactgcagt aacgccatnt tgcaaggcat 120

gggaaaatac cagagctgat gttctcagaa aaacaagaac aaggaagtac agagaggctg 180

gaaagtaccg ggactagggc caaacaggat atctgtggtc aagcactagg gccccggccc 240

agggccaaga acagatggtc cccagaaata gctaaaacaa ca 282

<210> 2375
<211> 407
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cagactccac cctgtgacgt gcagggctgc ggctcctgac ccccgggtgc tgaggacagc 120

ttgttccctt tgcaggtgct tctgctttga cacttgactg acggggaggg caggccagag 180

cagtgtnctg gccatgcctc agnccgttga ccanagctag acagaaaaga acagcanccg 240

tccagnccgc agcgttctcc ctctgggcgg gctgcatgga atgancctcc actcagantc 300

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aaggcacaag ggccactctg agtgttctgt ccttgcatca tttttag 407

<210> 2376
<211> 220
<212> DNA
<213> Mus musculus

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nnnngnnntn nnntttaccc agnnaccccc cananaanca gatngatact nnccatattt 120

tnctttttng acanttcctn gggnatntac nagaacctcc cttccccctc cccgagtaag 180

acctaagacc atttaagtgt gtgttaaaca actacaaaat   220

<210> 2377
<211> 226
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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nttttatnan nnnnnnanng tnnttcnata tagnacacat catntatttt gtnttttgt 120

tttgacacat ccattaaaga gtttgacctc ttnaaacccc caggatcatg aataaatgcn 180

tcatgtatat ttatttttta ataaatcaag atttctgtgt gctttt 226

<210> 2378
<211> 128
<212> DNA
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<222> (42)..(42)
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<222> (57)..(62)
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nntactcagc tcttacttgt tttgacttga attttntcac caaagacttc atatgtgtac 120

catcaata 128

<210> 2379
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<212> DNA
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cactcactgg gttcaattag atattaaaag gct 153

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ggcagctttc aaagnancct catctttttt ancctntgct gttaacagct gcatggttca 180

tgcttcttgt ntccagtatc tttgttattt tgttcatcca acctcacttg agtgtttgga 240

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cagcagattc cagagcttgc acaa 144

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ttcttctgaa ggctgattat gaaacaaaa 89

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tccaanttnt ttttaaattc catnnttggt nccnatagat ntantttta cancctgnaa 120

attaactccc atgaacattn ctttggtgat gtaagcaagt aaaacccnat ggannntntgt 180

tgtgatatcc ttttgtgttc cancctaggc taagtgtttg tgaaagccat ttgtgagtgc 240

ttggagtgtt cttcctaata aacaca 266

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tgtattaaaa atggaat 77

<210> 2385
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<212> DNA
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gctgcagtcc aaaagtaagt agacaaagcc tcatgttaag tagacagtca gggtggactg 120

gccctgttag cagtgttgga gtcagattcc agtggaa 157

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<223> n is a, c, g, or t

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acaaaccaca ccaggcagaa gcgtgtggtt ggggcggcta tttggtgtgc ctgggtgccc 120

ctcagaaact gagagtggcg ccttcaagtc taggagacca tccagctggt tgcccccaac 180

agtaagtgtg ctggctctgg tgaagagggg gacacctcct gagactcctc ctgaggcgct 240

tgtgagctca ccaggcagcg tggtgcaggc tgacagggca gtccgggctc tctgtgacca 300

cactgctgca ggacctgacc aattgagctt ccagcgtggg gaattgcttc gagtcattgc 360

cacantggat gaagactggc ttcnctgtgg gcgggatggt gtggagggac tggtgcccgt 420

gggatacact tcccttgttc tgtagctcag ancctncctc ctttccctag gctcatgaat 480

attgttcatg tgaacttacc atgccagggg cacttgtcct tctgcaaacc cacatttctt 540

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cctcccagga accagtgttg tccagtgggc cttgtccagt gtacgcccag catttgcccc 120

cgttcttccc caaggggata gctggaagaa gtcaggcagg atcccaacca cagggccagc 180

tgggngggtg gcacttggca gatggaagga agaaacggaa gggagtgtgt gtatctgctc 240

ctcgggcagg cccagcccac ccgcagagac actgcctctt gggaatgggc aagtatggag 300

acggtggggt gcggtgccat aggcttctct ggttttcgag tccagcttcc cctggatggc 360

tcccattggg aaagggctgc cgggtcctga gtttacaccg tgttgagcgc atcatccgcc 420

aggaa 425

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aagnntncna nctacacagg cccagaggac acaagtnngn tctgtttgta tgntgggagc 120

tagntcccct gagagctaga taatatatnt ncantctgtg agtntattcn tcagaacttc 180

cctaaaacac caagcgaaag tagctgttgt gcttgtaaat t 221

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<211> 62
<212> DNA
<213> Mus musculus

<400> 2389
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tg 62

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<212> DNA
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ctttaccctn ctnagcttct caggagnaaa nncancctnc ctcagtttag gaacacatcc 120

nntnctntnt gacaggtaga aggtgaggag ctgctttacc acagcnccac agagcagagg 180

aggagaaagc actcaacagt gtgntccacg ttgttgggat gcacttttt 230

<210> 2391
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nccnnnncca nagattannt gnganaggaa ntnccanctg natgtgngtn gnnnnntngc 120

ntgggntccc antgnttnna aagggaaaat ggagaaattg anctgtttcc tcactgggga 180

tgtgatgaga tgcaccgntc gcctgntacg gcagccatag ctacttttgc tactgtnccn 240

tccttgccac agggactgta ccttaactgt gag 273

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catgtttaga aantccttnt cttactattc aaaaaatgtt tttaatcatg ctaataaacg 120

tttttgg 127

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atgtctgact cgcttactgc cagccaggat tcacactggt aggtaggcag agggcccaga 120

gaacncagtg tgggatccat ccatttccca ggaaatgtgg tctttctggg cacggtcagt 180

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ttactgccag ccaggattca cactggtagg taggcagagg gcccagagaa cncagtgtgg 180

gatccatcca tttcccagga aatgtggtct ttctgggcac ggtcagtgcc tgtgcccgtg 240

aaagcagagg tcttggcacc agcacagagt taccagtttg gacctgcctg ggcgggggaa 300

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catcggggag tacctgtgca tgcggacgga gctcaaggag atccccctca gctcagcccc 180

taagtccaat gtctagagtt gggccctttg gacactctgc tggcacttgg gccccatcac 240

cttgggctgc tcagacctcc agatggggtc tggcccaagt ctgagcagaa ccctggaaat 300

gtgaagtctg ttggtggaga gataatgagg tcccatcata aaggcaggta gcagccatga 360

tcacagatgt aagaatggcc tctgtctgcc aaagccttga tatctggagg ccagtaaggg 420

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tnnccagctn nnnnatntcc ntnccatntt gacnatagaa nccacaancc tcagncnnnt 120

ggttaagttn ccatgntgnn agnnantcat gctttntntt ctccanccgn tnacctgctt 180

cctgggaaag tantcgctcc ctggagcagt accgactttc agtggaacca aat 233

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ncaagaggaa gnataaatgg antgccaagn ntaagagang aaacantacc gggactggtn 120

ggatgaggca cntaaagatt ttttaccgca gattcagaca tggattccgt gagggaacaa 180

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ttcagacatn tgatggactt ggggcagctn cctaacccnc aacatttgca ttatgttcag 120

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gggccacaaa atccacccac cctccaggag aagcatgcca tgaancancc tttcatngaa 120

atgatgancc agaagattna ncanntcnca nncccnnggg gnnnnnnnca gnccacgntn 180

caaancntga gantncantg cagaaatgaa gcagagtgag ggaccnttnt tcaaggggcc 240

tgggactttt tccggcaatg gcctnctggg aaagtggcct gggaagagag tgttttgtgt 300

tt 302

<210> 2400
<211> 81
<212> DNA
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catgcatctt tgcatctcta a 81

<210> 2401
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<212> DNA
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ttcactcacc cctaactaaa gctttgaata aaccagtgat tttactacaa aaaacactgt 120

ccttgaaaga aaggagcggc agtcatacat gaacgtgaaa cttggaatga tcaggtccta 180

aacatggcac ttagaaagta gcttatcaga acacccacac ttcggtggtt cctnttctgt 240

ccctccatta atttcccctc aaaaaaaaaa aaaagaaaga aaaagaaaaa gaaagaaaat 300

ccttcaaaaa atcccattaa acttaagttt ataaaatttt agaaatgcct tgtacccaaa 360

aca 363

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ntntgtttnt tcctcagttg acatttcctt catantttn tagagactgt aaaacttgtc 120

agattcaata taaantcaaa tttggttact tttaataata cagatttttg tcaaatccaa 180

taaaggtcaa tg 192

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agaagggcct gcgagaggcc ggaggggccc gggaggcggc ggcggtgggg gaggttgctg 120

ctgctgctgc tcccctcggc tcaagcgccc tggagggacc aagtcctgca gcggaaaggg 180

caccggggnt agttcgggac ccggaggctg cagaagcagc cggccaccca ctcctcctcc 240

tccacggccg gggctgctga gctcctcttc cgagcagctg ttagtctcca ggctctcggc 300

ctccgattcc aagccctcca ggaccagcag cgcgtcgctc gtctccgtcg ggtcctcccc 360

ggcctgcggg gcggcagcag gcggcggggg ttgcggcggc ggcggctgcg ggggacacgg 420

gcacggacag cagcct 436

<210> 2404
<211> 233
<212> DNA
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agagctcaaa gcccctcttc ctgatcatgt tacagctgtt gcctggtgca tgggtaagtg 120

acaactgcct cctaggtggc agttttcctg gccaagatga tgagtgcaca ttaatctgaa 180

ctgctgtagt gaatggacct tctgtagaac ctcagtcctg tagacttagg gcc 233

<210> 2405
<211> 89
<212> DNA
<213> Mus musculus

<400> 2405
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ttttaatttt gtacaagaga acagagatt 89

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cccagcccag aaagcacctg ctccaaaggc ggctggcaag aaagcgtgag gctacacaga 120

ataataaa 128

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ctttttggca gcattaaata tt 82

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caggagacca aatgcctgtt ttttgaggtg gaggcgtcag ctccaagctg ctgttgaata 120

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tcccatttga gccagccagc tgttggcaat taaaacccac ttgc 104

<210> 2410
<211> 52
<212> DNA
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<400> 2410
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<210> 2411
<211> 71
<212> DNA
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<400> 2411
ttagaacgtt tcttgtttcc tcagacaggg tggaagatgg aggaataagg tccattaaag 60

gctgcagttt c 71

<210> 2412
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<212> DNA
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tctccctgaa ctaataccta gtaaagaat 89

<210> 2413
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ccctcagcac cgcatccaga agccccagtc agcgtgagcc tgagcgttgt gtgccctagg 120

gctccgtcca tgcgttccct acatgcaagg gaggcacctc cttccatcgg tccccacacc 180

ttcctgggac ttctcataag tcatttccac ttgtgaaaaa aaaaaaagtg ctaaagtgct 240

cttcccagag agagcacact tcctanacga aactgtgaca atctttttgg ttgattcttg 300

actgcttttg agagcataag gagacagcaa atcacgcttt ctcagtttc cctcctctac 360

ctctctgctc ttccatccca ccctacctcc atctcggccc catcaccctg cccccagtgt 420

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attatacgga gatttttttc acccccccatc cccttcagct gtatctttcc aatgtctgca 120

cctgctgttt tgaaaacccg tgctgcattt ttttttaaat tgccaaagtt gctggtgaga 180

tctccccntt gtgtttataa acagggagaa aggactgccc tgccacatga agccattgtt 240

ttnntttgtt aaactgagca aagtttcttt tgctctactc taaagtggga atgagtatta 300

cagtcccttn caacagagcc atttcagaat gtaagcctgt agggtgtcca cacctgagag 360

actgac 366

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taancagaac tagcttncac ngatttagaa aaantagagg tgcataatgc tctggccgct 120

ccttgaancc cgtgtgtctg ccaatgtttt gaccgttcct tgacccatgt gtgtgcccac 180

tgctaaagtc cactgccagg tgtttgt 207

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agaangcagt ttgagcaggt gtctatatgg taccctgcat ccggggcccn ttgggaactg 120

gccggttatc tgatgtcagt aggtagccag tttgcaactt agccagctgc ctcattgatt 180

ctgagatttc ctaataaagg cagactaaag acgaagggtc ttcacctgag ccgggtttcc 240

cgtagctggt ctctgtagag agacagtctg tgacgtccga gtctttggac tgtggctcct 300

ctgcatctct cttggacttg tatccatgcg gtgttccgag tgtgaagttg gttacttgtt 360

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tntnncatgc ntatgagttg aaatcccact tttgtgagga cacngtatnc cannttccc 180

atggaagaga cncctntgcc ctgttgttct tgtaaaggta ttcttaaggg gacatatntt 240

ttgattcttt cccactcact gggttcaatt agatat 276

<210> 2418
<211> 159
<212> DNA
<213> Mus musculus

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gctgctcccg gactctttgg tggtgatgtg gacagttctt cggcctgctg ctgtagaact 120

gcataggatg ctcctactgt ctgactctgc tccacaggg 159

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ccagaggaca cangtaggtc tgtttgtatg gtgggagcta gctcccctga gagctagata 180

atatntntgc antctgtgan tctattcctc agaacttccn taaaacacca agcgaaagta 240

gctgttgtgc ttgtaaatt 259

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<400> 2422
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caccccaca ggctcttctg aagaaacccg cnnnnaactg tgacctatag ggagagggga 120

tcgcagaacc agggcatctc cctgaactaa tacctagtaa agaat 165

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ccttggattc aagttgggtt tcccgagagc cagacaaatt gctaccctac c 111

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tgctgtgttt gctgtaataa attat 85

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aagatctcta ctatcgaaac tatttgacgt acaatagcaa cttatactca taatggttag 240

atcctataat ttaatgtttg gctttgtata aatttaactg ttcattcaaa tacctattaa 300

gttcatcaca aattatataa tttaaaaatc taactaggag atgctgtcaa gtcaaatacc 360

tctatgatca attatccttt taaatttcaa aattaaaaac tacatccaat tctgtgaatt 420

tgaatttcca aatgctcctg aaaagagtta gcactcatcc tcccattttg ctgtttttgt 480

tttaaagcac agtccatttg tctcagaggt actctcttct cccggtgagg cagcagtcac 540

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agtcatgcat cgtgggctgg cgctgccgtg tgggccaatg ggtgcgcatg gagaatgtaa 180

cagtgctggg tgaagatgtc atagttaatg atgaactgta cctcaatgga gccagcgtgc 240

tgccccacaa gtctatcggg gagtcagtac cagaacctcg tattatcatg tgaaggatat 300

ggagggctgg ccaagcatcc actttgccat cagcagggta ggactcaatg cttcacgagg 360

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tgccttctgg tggggacaga catggacagg accctgct 458

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<211> 163
<212> DNA
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ccacctagcg cagacccctg ggcagcccag cccgcctcca tgaagcctct cccaagagta 120

aggccatatt ctgttttgat tttggtagat aatcttgtgc cgt 163

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gccttctggc ccagaacaac tgactgaaga gaagtatgaa ggacttatga aggactagct 120

ttagcttacc ttgtcttggc agagcttagt agttgactat cccgcgtctg tttatctttt 180

tttggatagc attctgtctg cagatgaagt cagggcattt cttgcctagt ggctagctcg 240

ccacaaatga agcaacttca catggaggta atgatgctta acattttctt tgaagtggaa 300

tggggtatgc tntcaggaac agacacatnt tttgtagtca aatntctttt aataataaaa 360

taaccttgaa tgtcatactc tgtggttctc tg 392

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ctntaattcc cactcgccct ttgcagtgtt ccaagatcac tggacctgtc agcccagaag 180

cagaggaccc tagtactgtc tgcatcctct agtacatgga gtatgctttg tcatgattac 240

tgagttctgg ctcctatcct ttcctgtgag atgaaaccaa ggtacacact tctttccctc 300

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actggtccca tgtcctgggt agggtggtaa gggcagcgnt ntgnncnanc antctntncg 180

agnccnnccn nncagantnt ggaaggcgna caccatgaaa agncnntgga actcctgaag 240

nntncacann gntcantgaa acnnntgntn cnntacactc ctngngtgct ggaggagatg 300

gaagcccgnt tcgagaagat gngatctncc cntcggcncc nagcagcacc acagctacac 360

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nnccttntcc acnngnattn nntgacccan tgantttgta cctncacagg ggtntttag 120

aaatnccctt ttatggcntt gattcctttt agacctacag atgtgattag tgaactgttg 180

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aagacctatg tccaagactg gtgaggtggc ccaggagggt caactgtctt gctaccaagc 120

tcaacaacct tcttctgact ccctaacctg agtttaaccc ctgagaccca catgatggat 180

aaagagaact tgctcctgca agnttgtccc ctgacctcca ggaacatggc atgcctgaac 240

acacaaatgc atgcacacat acacatacac acacgcaaaa ataaatgttt tggggttgtt 300

ttgttttgag acaaggtttc tgtntagccc tggctntcct ggaattggct ctgtagacca 360

ggctaacctt aaattcagag atccacctgc ctctgcccct caagtgctaa gatcaaaggc 420

gtgcgtcacc accggtgact ggtgggggtg gggagttgtt tgttttaaga caggatctca 480

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nctnnncann anntnnnntt cctntatatt gtnntctttt ttannnnttg ncatgttgct 180

tttggaatca nccntgantc tttgcccagt atatgannnt nnnttnnact ggtattttac 240

tgtttattga tgaacatttn ttcattaaga atttttttgaa aantcntcaa attcaatgaa 300

taagttttct tcataaccca tttggaatta ttcctaat 338

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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nnttnnncnn cntnnnatnc acacntccat ttccnntcan tttcttattt gnaaaaaann 120

anantacaca ccnagagcat ccagactcca cccctgaagg gaccccnncc tctttattnt 180

gagcaacttg ttcccgtttt cagtttttct tccttccttt cgcggactac cctccttggt 240

tgtgatgt 248

<210> 2437
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaataattca taaaccaaag ctgactttga aatttttnat ntctggttgc tttcaaccct 120

ttggaacttt gttgct 136

<210> 2438
<211> 123
<212> DNA
<213> Mus musculus

<400> 2438
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ctggtttttg tatttgagtc taatgcacgt tctaacatga tagaggcaat gcattattgt 120

gta 123

<210> 2439
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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nnnnagatga anntgcccga gntnnatagg nccacaggcc gntttaatgn ccagtttaaa 120

acctatggcn tttgcggggc cattngcagg atgggcgagt cagatgattt tattttccga 180

ttggctaagg ctgatggaat tntttcaaag aacttttgag cagaagaaat cgggaa 236

<210> 2440
<211> 84
<212> DNA
<213> Mus musculus

<400> 2440
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actttcgttt tccacatcaa tcct 84

<210> 2441
<211> 146
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (99)..(100)
<223> n is a, c, g, or t

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tggtgatttg tttcctggtt tttgtatttg agtntaatnn cacgttctaa catgatagag 120

gcaatgcatt attgtgtagc cacagt 146

<210> 2442
<211> 64
<212> DNA
<213> Mus musculus

<400> 2442
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tggg 64

<210> 2443
<211> 161
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (120)..(120)
<223> n is a, c, g, or t

<220>
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<222> (122)..(122)
<223> n is a, c, g, or t

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nnncctaaaa gggtcatggg tgggacacat taaaaggtga gctttgaact gtagataatn 120

tnttaaaaaa atctcatttt agaccattaa aatgtttgtg c 161

<210> 2444
<211> 168
<212> DNA
<213> Mus musculus

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<222> (30)..(30)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (107)..(107)
<223> n is a, c, g, or t

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gtgaagttac tcttggtttg tgtgtggtat ggcttcaatc tgtagantat tatatggaag 120

tggatgattg ctactgttca tgtgcaaatg gaccaatatc tatataga 168

<210> 2445
<211> 112
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (55)..(58)
<223> n is a, c, g, or t

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taaaagggtc atgggtggga cacattaaaa ggtgagcttt gaactgtaga ta 112

<210> 2446

<211> 456
<212> DNA
<213> Mus musculus

<220>
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<222> (123)..(125)
<223> n is a, c, g, or t

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tcaaggtaga catagctcct gtgtgttgca gttgtgagga agtttttttc tgtcagttta 120

ctnnnttgtg gtgacgagtt agcccgagtc ttacatgctt tttgtggagt gccccactga 180

agtgtcctct gcactggctg agccagtgag tctcattgta agctcttaag ttagatcagt 240

caaattacgt gagtctgagc tgttccccta actcagggtg ctacaaacac aagacttgct 300

caggaaagct tccgaagaga acagcttcca gcctgcttcc cgtgacactc agcagcacac 360

gggaagtggg ccagtggatt gccaactaca tcaggtagcc ttactactgc taatcactgt 420

caataatgtc ctttcactct ccgaggaaag ccgtga 456

<210> 2447
<211> 86
<212> DNA
<213> Mus musculus

<400> 2447
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cttcccaaca ggtgggagga tcgccc 86

<210> 2448
<211> 332
<212> DNA
<213> Mus musculus

<400> 2448
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tgactcttca ctggctttct gctatctatg aaattatggt cagatcctaa aaacctgcta 120

ttctctctgt gcttccagtc attagttggt cctcaagatt gtagtcagaa cagttctttg 180

tacacagtaa tggagggata ggatgtttaa ccttgtttca cataacctct caatgtgcaa 240

tggggatatt ctgatatttc ccccttctgc atctgcctgg tgggtgggtc atgtgtaaaa 300

gtcttcaaag tagcaatgta tgccaagcca aa 332

<210> 2449
<211> 486
<212> DNA
<213> Mus musculus

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<222> (162)..(162)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (456)..(456)
<223> n is a, c, g, or t

<400> 2449
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gctggccttg aactcacaga actctgcctg cctttgcctc ttgagtaatg gaagtgaagg 120

tctgctccga catgcgcagg ctgcagatga cattccttgg gntttggtgg aagttactgt 180

tgtgatcata ctttagaaaa ggtgaaggat ttatattgtt ataggtatgg ctacactgcg 240

gccctggaca gcccaggatg actttgcttt aaccacacac ggtctccaaa tgctaacaaa 300

gcaacctcat tgtttgggtt ttgttattaa aacagggtct ctaagtaaca ctggctgctc 360

tagaatgctc tatgcagacc aggttggccc tcaaatctca gagatccacc tgtcttcttc 420

ccaccacacc cccagtgctc tcatcaaagg catggnccac ctgacttggt tccctgtaga 480

atcctc 486

<210> 2450
<211> 430
<212> DNA
<213> Mus musculus

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<222> (72)..(72)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

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<222> (238)..(238)
<223> n is a, c, g, or t

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<222> (310)..(310)
<223> n is a, c, g, or t

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<222> (320)..(320)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
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<222> (356)..(356)
<223> n is a, c, g, or t

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atggaaaaca gnagtgacca gaaagactcc tgttgctact ccagtgctga tccccaaagg 120

ggnccgtgtt gagggtcctt aactcttctg aagatgctca catcatagag gctacctgtg 180

acacacctgt tagcatacct tgcagcgaag cccagttagc aggnacactt ccattctncc 240

ctatgaaaca gacaggctcg ggctcccagc ccttgacatg cagaagtgga ccggcagaca 300

tgtctcccgn tctggagacn tntcttcggc ccaaatctag aaaagaggac acaatntgca 360

gtgccactgc taagaaaatg gtccctgtgt acagcacggc accaggaagc agtgactcca 420

tcaggcaagg 430

<210> 2451
<211> 339
<212> DNA
<213> Mus musculus

<400> 2451
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tatatataag actctatcta aaaacacaaa cccatagagc tgcaaatgtt gcttagaggt 120

tagaagcaca tactgccctt gtgtaaggcc caaggtcagt tctaagctcc cacatcaggt 180

gaggcaggac ctcctatggc ttcagctctg ggaggtctga tgctgtcttc ctcgcttctg 240

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agaatagaat cttaaagcca gacttgatgg tgcgcacct 339

<210> 2452
<211> 389
<212> DNA
<213> Mus musculus

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<222> (30)..(30)
<223> n is a, c, g, or t

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tccaacccca gcttcccctc tctttagacc tgtttttatt acccactgga catctccaca 120

ggcatgtcca taatagtcaa gcattattcc tcttgaattc ctgtcctggt gaccttcgtt 180

acaagctaca cctacatggt attagtcagc atcacacacc cttctactct tgacactctg 240

aagttcagct gttcctctcc ctttcttaat ttacagagca tgggatttgg agtcaagttg 300

gtttgggctt gaattccagc tctcattttt ggttgtgtaa aagagttatt taacctctct 360

ggagcctcag tcctcccata tgtaaaatg 389

<210> 2453
<211> 354
<212> DNA
<213> Mus musculus

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<222> (128)..(128)
<223> n is a, c, g, or t

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gtgtggtggc atcaaatatg tagagatggt ctttctgtgg agaatttgtg gaactttagt 120

gtggaganca aagaaggagt tggagatgaa aaagtggtac tgtgtcaagg gaagattttt 180

gtgagtttc catcatgttg gccatcacat cctgactgaa gtctcaagat tcctggaagt 240

gaaggaagac acaaagctta aaactcagat gagatgctct gactccatcg tgaagtggtc 300

actgaaaaaa atgttgctgg tttcttggga tgaaagaact gagccagcat ctga 354

<210> 2454
<211> 494
<212> DNA
<213> Mus musculus

<400> 2454
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ctaccagttc ctggtccttt ctagaactag tagtactttt tttttaaggg tttatttatt 120

ttatatatgt gagtacactg ttgttgtctt cagacatacc agaagagggc attgggttcc 180

attacaggtg gttgtgagcc accatgtggt tgctgggatt tgaactcagg aacttcagaa 240

gagcagtcag tgcacttaac cgctgagcca tctctccagt ccagagttgt gattctttga 300

atgcaatttt tgtgtatctg gcaaaaaatg cccttcagca aatttgcata attaaaaaat 360

ctttataagc cttattacct tgctttatct tgacatcagt gtatattaca ctgtccttta 420

gaaaaacaaa caagcataat gttctttgcc tcagaaatgg ggatgggggt gggataactc 480

ctggtggcaa agac 494

<210> 2455
<211> 459
<212> DNA
<213> Mus musculus

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<222> (123)..(123)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

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<222> (376)..(376)
<223> n is a, c, g, or t

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acctatatgt tgtcccctgg cctgcaaggg tgcacaggaa agcatttgat gtgctggtgt 120

gangaccgga gctggcattt tcgagnccca cataaagcta ggcatgttag cacatatctg 180

taacgtcagc cctcctacag caagatgaag ggtagagaca aatgcatccc tgggagcttt 240

ctgaagggcc tgctgtacac cgtcgcaatc ctcaaagttc aaaggtgaca gcctaaactt 300

ggggtcgtcc tgactgctgt gcacatttgc atttgcaccc ccactcaaca cacacacaca 360

ctaactattg cttacntcat caacttgttg gaagggttag ctaaatatgt ccaaagtgct 420

tagagaggag agcctggaat ccagtcaacc tctgtacct 459

<210> 2456
<211> 511
<212> DNA
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<223> n is a, c, g, or t

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<222> (169)..(169)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caacanaacc tttatnttna tttattnatt tatttttttt nnttnataat tgtacgtgtg 120

tgtgtnctgt gnttgncagt atgtacatat gagtgcaang tcccctggna actggantga 180

cagatgctag agtgaattct gcttcaagag tggtctctcc agacttactc cgagtttgag 240

gagatctcca tcccagctca ctttnaagca cngttcctat atagatttat ataggattaa 300

acttaaggaa ggccaagaga agtccttcag atacagcagg tgcacagtag gatggatgct 360

attatgtctg gagggtctac tgggtgcatt tagttaggat gccagacact tcacattgtt 420

ctttcagccc taggctccag catggccctt gaccacaact gaaaacttta gtcaagtgtg 480

gtggttcata cttttaattc cagtgctgat g 511

<210> 2457
<211> 438
<212> DNA
<213> Mus musculus

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<222> (32)..(32)
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<222> (94)..(94)
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<222> (102)..(102)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<400> 2457

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gttcctggaa gtnccaccag acttcttaaa taancgttgt gncnctnttt tgacncctta 120

cncnanttgc ccantatgcg gaccggtcag ntcccccttt aaaggaggtt gcagactggt 180

ttcacccgct cactgtcttt gctctcatcc atctctgtaa acgttagaca aaagatggta 240

ccactaactg aggtgaggaa acctggggtg aaagatgttt cagaggttaa gtcaaggctt 300

atgctaagtt ttgcgtccta ttagacaccc aagtggatgg gcgagtagtt aatggtctct 360

ataaatagat gctccgtcta ggctggagct ataggcttgc atttagtatc tatacataga 420

tactgtctaa gctggagc 438

<210> 2458
<211> 444
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (77)..(77)
<223> n is a, c, g, or t

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nccaccacac ccacccngaa ctgcccttga aaataccacg gttgtaaaga gttcgaggaa 120

gggctcagtt cccttggtgg ttagacttct gaggcaggcc aggctggcct tgaacttaca 180

gaaatctgct tctgctgtgc tggggttaaa ggggtgtacc cggatcactg tttctagtaa 240

actctagcta gccagtattt tgtcaagttg ctagtagcca cacctaccag taattagtaa 300

attcaggaag gaagggacac caacacagag acataacaaa aaaaggaaca gaaacattgg 360

gaacacacta atagattaag atgaatagtt tgctggtgta cgtaaaaggc atttctgatg 420

ttgggtccag atctttcaaa gttt 444

<210> 2459
<211> 330
<212> DNA
<213> Mus musculus

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agcttagcta ttgtgattat tgctgcagcg ctcacggatg agcaggtgtc tcagatggtc 120

tgactcgcac ccctgggtag cacaggtaca cagcaggtct ctttctatga gaaacttcca 180

tactgatttc tgtacaagtc acactagttt agattcttac acacagcagt gtgtaagagt 240

tccctttgcc cacatccagg ccagcgtttg ctgttttctt aatgactgac tttgtaactg 300

aagtgagatg tctgacctgc attgctctga 330

<210> 2460
<211> 353
<212> DNA
<213> Mus musculus

<400> 2460
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tactgtttgt ggatccagac gtagaacact aagctccttc tcctgtgtgc tgccatgctc 120

ctcgccaagc taatgatgaa ctaaacctct tatagtatag gcaggccgta atgaaatgct 180

ctcctttata agatgtgctt cctcggtcat ggtctcttca cagcagtaga acatcgacac 240

ctactgaata gcagagggtg ttacattttt caaattatat tgatggttac tgctttgtag 300

cccacagatc ctcaataaaa atttacactg agagctgggt acagcggttc ctc 353

<210> 2461
<211> 332
<212> DNA
<213> Mus musculus

<220>
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<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<400> 2461
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atatagtaga tgtttcctca atcttacaca gtatctcata tactaggtgt ttcctcaatc 120

ttacacagta cttcatatac taggtgtttc ctcaatctta cacagtactt catatactag 180

gtgtttcctc aatctcttgg ctccttttga ggaaagctga ttccttcttc ccaaacccca 240

atatttatat taagcgctat tattatttga agtatgtaca gactatatat ttgccttcca 300

ctccaatttt tttgtacggt cctagtcagt ag 332

<210> 2462
<211> 360
<212> DNA
<213> Mus musculus

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<222> (26)..(26)
<223> n is a, c, g, or t

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<222> (36)..(36)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (118)..(118)
<223> n is a, c, g, or t

<220>
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<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<400> 2462

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gtaaatcttg tgaaatcaga gacatcaccn aattccggaa gtagttcagt gcacgggnat 120

taccccgag ttcactcacc ccgtggtggg tcagtagtag tatanttcat aacacaccaa 180

atacgttcct attgctgttt tgtcaccagc cntgctcttg gctttcaaaa tccctaccga 240

tttaaagcat aattggcaga gaatttacac tgcttggtaa ctatatactt tcttccttct 300

ctgttttcat tttgatgcct gaaaatacta gaaagttgta gcagctacca actggtggga 360

<210> 2463
<211> 459
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
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<222> (56)..(56)
<223> n is a, c, g, or t

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<222> (74)..(74)
<223> n is a, c, g, or t

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<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

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agtgatccta cccnaatacc accacaagna agctaacctc ccaagaatac agtcaagcct 120

gtgagtgcac tacnagagta agaccactac ttcatctcag agggacccac gtggaaccct 180

caggacacag gaacggagga caggagcctt cctggttccc tctgctccag gagttgatcc 240

tgtgcttcag agcccagaac tgatcctgtg ccacatcgat ccatggccaa atacagccag 300

gagagagagg gtctcccagg agtgccaaca cataagtgag cacagataag accacaactt 360

cttttcaaat tcctgggtca agagggaccc tcccagaacc atcaggacac aggaatcaag 420

gatcagctgg ggacaggata cttgtggttt ctgtctgca 459

<210> 2464
<211> 477
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
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<222> (191)..(191)
<223> n is a, c, g, or t

<220>
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<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(434)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

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agactacgtt ctgtcttggt gactattcca ctttcatttg gaaagaacac gcatcctgct 120

ggttggaatg cggctatatc atcaatcaac tctgctcatc cagttacatc cctcngggtc 180

atctctgccc nttgctgncc catggtggct cgnttttaca tctgagagga gggaacctca 240

actgagaaaa tgcctctgta agatcaggct gtcagcaagc cggtagggca tcttattaat 300

tactgaatga taggggaggg ccctgcccat gatgggtggt gccatcccta ggctggtggt 360

cctgggttct agaagaaaga aggctgaaca agccatggtg agcaagccag taagcagcac 420

cctcccatgg ccnntgnatc agctcctcct gcctccaggt tcctgatctg ttaagag 477

<210> 2465
<211> 449
<212> DNA
<213> Mus musculus

<220>
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<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

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<222> (93)..(93)
<223> n is a, c, g, or t

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<222> (95)..(95)
<223> n is a, c, g, or t

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<222> (144)..(144)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<400> 2465
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ctcangccag tcctcagtgg cttctaggta ccngncctag aattataaat tacagaatta 120

taaattcctg cgttaatgta tgangcctgt ctactttcat tcacnagaca catggctgtc 180

tctgtgctaa canatgctga cacatgctaa cacatgctga cacatgctaa cacatgctga 240

cacatgctaa cacatgctga cacatgctaa ctctgtggcc ttcctgcctt cctgcactcc 300

tcctcccttc ccccacttca tattctcatt ttctcagata tgcaggaaac aaagaaaata 360

ctgtatgaac tataacctaa tatttctcag gtgtggatat catgggctcg gctacatact 420

tgtctctagt tagctgaccc ctggttgca 449

<210> 2466
<211> 186
<212> DNA
<213> Mus musculus

<400> 2466
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ccaaacccct gccagaatgg cggagtctgt tcccgacaca gacggagatc caggtttacc 120

tgtgcctgtc cagaccagta taaggggaaa ttctgtgaaa taggagactt ataacatgtt 180

tatgga 186

<210> 2467
<211> 553
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(328)
<223> n is a, c, g, or t

<400> 2467
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cagcactctt tccctttgtt cacttggaag gatgtgtaca tttaagttgg acgttgaaat 120

tcttctttcc tctcagaaga ttctggcagc gatgaagatt tcctaatgga agacgacgat 180

gatagtgatt atggcagttc aaaaaagaaa aacaaaaaga tggttaagaa gtccaaacct 240

gagagaaaag aaaagaaaat gcccaaaccc agactaaagg caacaggtga gacctgcgag 300

aggaaancat ttctcaagaa ctaannnntt gcctcagcat tggccctata tctatctcgt 360

agaaatacaa gaaatccaaa ggggttctgt cttacacata tgcctttgtt cccttcaaga 420

ctggtgaggg ctgaagagat ggctcagtga gtaagctcat actgcttcca gaggacccaa 480

gttcagatcc acagccacat tgtgtgacta acagctatct gtgactccag ctgacttagc 540

cacctgtaca cat 553

<210> 2468
<211> 445
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (28)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 2468
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gcctgtcact caggagaaaa gatggttgca agtttgggac cagtctagtc tgtgtagcat 120

ccccatttca agcaaaacaa caaaacaaac atgtggaagt catgattaat tacttagtga 180

tgagataatt ttttgattaa ttccctcctg tcacattgaa tacattccag gttgtcctta 240

aaattttgtg tttggaagca ctggggagac tgaggcagga ggaatgaaag ttcaaggcat 300

atcactattg gcatatcact gtgttaaagg tagctttggc cacatgcatc tcaantcctt 360

gcctaaaaat atttttaatt acaaagcaaa attaggtgat tggagagtgg ctcagcagtt 420

gagatcactg gcttcagaga acctg 445

<210> 2469
<211> 413
<212> DNA
<213> Mus musculus

<220>
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<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (38)..(38)
<223> n is a, c, g, or t

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<222> (41)..(41)
<223> n is a, c, g, or t

<220>
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<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

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tcgggacaat tccaggccta gaagatancc aagttgcctc tagattcttg tctggacaaa 120

taaaactgta tttcccccca caattggcaa gcagatggca gtctggagtc cacaagtagc 180

aggaggatgc acctggacac atnccttgca cttctgaatc tctggttcat tttctctcca 240

tccatgctcc ccacccccac cccacctcat cctctgtaaa cagaaggagc aatgcactca 300

ccacaagtgg tcctgataag tgtggagcac agagacacct tttcccttca ggcctgaagc 360

cagcatctga gctgtggaca tggcggccac tccaattgca acgggcgctc tag 413

<210> 2470
<211> 287
<212> DNA
<213> Mus musculus

<400> 2470
atggtgtttg tgtgggagtc tccctggagg ccagaggtca gtcttaactg tcgtctatgg 60

ctttttggct tttagctctg ccttttgaga taagatctct agtttgtctg gtgtttgctt 120

gctctgtcag ctagacgggt tggccaagga ccccaacccc agcctggggt cacgggcaca 180

tgccaccaca cttgggtgct aagaatccaa acttaagtcc tcaaggctgt tcagtattca 240

ccttactcac agagctatct ccctgtccca acgttttata cacacac 287

<210> 2471

<211> 240
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<400> 2471
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gttgtttaga aagcaaaata ttctcaagat ggttggtgat gatgatggcc caagaccaca 120

gatgtgcccg gtgtcattta aaagtggttc cactgggnct ggtgccccag gcctgtaact 180

ccagctactc aaaagttgaa gaaggaggaa ctcaagttca aggccagttt tcttctcaaa 240

<210> 2472
<211> 231
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

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<222> (150)..(150)
<223> n is a, c, g, or t

<220>
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<222> (161)..(161)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t

<220>
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<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<400> 2472
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gagacagggt ttctctatat agcccgggct gtcctggaac tcactttgta gaccaggctg 120

gcctcgaact cagaaatcca cctncntctn cctcccgagt nctgggatna aaggcatnca 180

ccaccaccnc ccgactctga gtntctttaa aaacaagtct ctggggctgg a 231

<210> 2473
<211> 122
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<400> 2473
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ttttccccat tgagtgntcc aagcactttt tcctttctta gttgtgcact tgaggctgac 120

ag 122

<210> 2474
<211> 454
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (75)..(75)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<400> 2474
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cacacacaca cttcntgaac ctgctcacct gtggggctgt gcacgacgag gtctagaaag 120

ctggtgcaag ttacttttt tataactaat cagcatttgg aactcaatna aggacaaagt 180

cttgcaaagt ctccctcctg ctccatatac atataggatt tacaaagcac tttgtggctt 240

ttataaacac taactatatt ttgattcttg ctctcatata gctaaggtgg cttaaatatc 300

tacttggggg tagtgtctgc tgctaactta aagccccccc ccccagaatg agtggccatg 360

aggagtggaa ggggatgtga ctcattggtt atctgttgga ttcaaggtgc ttattctaat 420

tccatgcaga ggaaacaacc catagctctg cagt 454

<210> 2475
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (157)..(158)
<223> n is a, c, g, or t

<400> 2475
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cagaccaggt tgtgaatgaa caactgtatg catgcttctc ctcagattct gaaacgtttc 120

ctcaactcaa acaatgccat cataacctag ctcttcnnct gcgcgaatgg agtgtgtgtg 180

ctgtgtgtgt tatgtattca ccacacattc atttacactg atcaaaaaga ggaaatagca 240

ctgagtatgg agtagaacgc ctttaatgtc agcactcagg agacagaagc aggtggatct 300

ctgtgagctg aaggctagcc tggtctacat ggagaggtca ggacagccaa ggctatgttg 360

agagatcata tctcaaaaat aagaaatggg gtggagggca gtcttccttg taactataat 420

tcagacataa tgcctaaaat cactgcatgc tagttt 456

<210> 2476
<211> 508
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

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tgggtctttt acaattaggg ataacatgtc aaatttaaat aaagtgatcg aattttattt 120

tgtttataaa atgtgtatcg caaattttaa aagtacaact agagaatgga aggtttttat 180

atattctgat gtgattgcta aagtatngga acaataaaaa ttgtatatac atttaantag 240

atggtttgat caaangttga gcagtcacag tcacctgaca ccatgcccag tgatctgagt 300

tcaaactctg caatccactt gatggaagga aagaagtaat ttctacaaat tgtcctctga 360

cctctacatg ctaactctga ctttcagaaa cccaataata atgtacattg tgatgttttg 420

aatatgcttg ggccagggag tgacactatt tggaggtgtg acctagtttg agtaggtgtg 480

tgttgccttt atatcctctt cctagctg 508

<210> 2477
<211> 393
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(176)
<223> n is a, c, g, or t

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ggatatttta aaagcattga acttttantn tgtaaagtct gtggggcttt caaagttgtg 120

tatatctngg gcangaataa gaaactaaga gttgagcatt actagtgatg tgnnnncgcc 180

tcaaattgac aaggtgtcaa ttatactggc taattttgtg tcaacttgac acaagctgaa 240

gttatcacag agaaaggagc ttcagttggg aaatgcctcc atgagatcca gatgtaagac 300

attttctcaa ttagtgatca aggggaaagg ccccttgtgg gtgggaccat ctctctgcac 360

tggtagtctt gggttctcta agacagcagt ctg   393

<210> 2478
<211> 435
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<400> 2478
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gtataaaccc cacagtgtgg gcttgtcttg ttggttctgt tcagggttga tacttgagac 120

actggctgcc acccagtagg tgtcctcaga gaaggcctta ttttgtgaat aaacagcttg 180

gaaaggccan ttgcgcccca gggcctcttt ccatgtggct tagctcccag agtagcctat 240

gcatagtaag tgctggaaaa tacctgtctg ggtgggcaac accagccaag cacacccacc 300

aaaggcacaa agggctcagc cactccatct gagagcagcg aaacagcagc caggtatgga 360

ggcacatagc tgtggaccca acaccccgga aggctgagct gagaggacca ggaattgaag 420

gccattcaca gctac   435

<210> 2479
<211> 529
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<400> 2479
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ttacctcact taggatgata ttctcaaatt ccatccattt gccttcaaat taatgatgtc 120

tttgtcttta atagttgcaa tgtaatttat ggagcacttg gtaccacatt gtgtctattc 180

tttcaagctg cttgtgccct tcacacactg ctctgcttac tattggtaga caatgcagcc 240

caaggggaaa atgttccatt tgttcttctt ttttttcttt ttacatccaa ancatttcaa 300

taataaggaa aaaatcataa atctcaataa tgcatttcta atgatcaaaa tctcaagtta 360

aaaaacttcg accttcaata tccattgcaa gtaaaagtaa caaaacgtat ctgaatacaa 420

taaaaattct gatgatatat agtcatttta tattgaggcc acaaatatag taacataaac 480

ccaagttatc tgtgtaatta attttaaagt ctgaaatcct tggtaaagt 529

<210> 2480
<211> 517
<212> DNA
<213> Mus musculus

<400> 2480
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tcctattaga agaaaaataa cattttcata aaatgaacat agaaaatgca ctgcctctcc 120

tttagataca tttcttcagt caactgactg gcttaccaaa agtgttctct tagttcaatt 180

attgcacaaa ttacttttaa acaaatgtca gtgtccacta tttgtctgaa taaaaccttt 240

caaagaatac tactcatttt aaaatctcct ctcttcagta aagattaatt aaaaacaagc 300

ccaccactct ttgcttcaca attttaatat taatgaataa gtctctccaa gctgaagtgg 360

tatttctttg aggtctgacc taaacgtgta gcagtagatt cctaatatat gcagaattcc 420

caagactcaa aattaagagt caaaaacaaa aaacaaaaca aaacaccaaa acccagagcc 480

aaggaatcgc tggaaatgtt ctcttgagca ggccctg 517

<210> 2481

<211> 371
<212> DNA
<213> Mus musculus

<400> 2481
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cagcttggat gtctggcacc cgaccatggc gacggtgaaa actttcccta aatatcagtc 120

tcctgatcta caggttgtat ttaactacac atagataatc tttagccatt tttttatact 180

gccttcagtt gaccttcagg gagtacgtgt atcgtataaa ttaaaatgct gtatacagaa 240

ccctttatcg aagcccacgt gtactgaaag tggaaaaaaa atgagaaact gaaaaacagt 300

gctaaaatat tttgtgacaa acatttttgt aaacataaag tctttcagga gttgcaactt 360

tttaaacagt g 371

<210> 2482
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<400> 2482
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aggggagaga ggagcatgat atagtacatg tctgtaatcc tagcacactg ggacaccgag 120

gcaggaggat gataaatttg aggccagcct atgctgtcag atttttctat caaacacaag 180

tatttggggc caagtgaaat gttaaaattg atttgtacaa cttcatgctg ggtccaggga 240

tggttaataa caagagccag tcctcatcct ttgtccccca ttaccagcag ggtcctacta 300

cataggcatg cnccaccaca cccagctttt ctttttcttt ttttactttt tttttttcca 360

gatgggtaat atgcccacac ctgaacaagg tttaggggag gtacatattc tgtgaacacc 420

cagtcattgt gattatgaac caaataagga tctcccacac tgctcttgta actgctatct 480

t 481

<210> 2483
<211> 535
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<400> 2483
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ctcttgtcat ttatggtaaa ggactctggt ctaagttagc tattccagtt gttaactctt 120

cttaagagtt tccacaagtt tttgttgttg ggttttgggt tttgtttggg gatagtaagt 180

acccctgact ggcctgcaac ctactgtata gagtaggctg gcctcagact cccagtgttc 240

tgtgtgcctc tgcttcctgg gtgctgagat taaaggtgta tgcccccata gccagcattt 300

tttaacttct tgggtcaatg attggattgc cttagtttta tctctttana gatatagtcg 360

taaagctgtt ctctgcatcc tctcaggtgg taatgccttg ttacttaaga ctcactgcag 420

acacttaatt caagtgactt cttacactac agagttactc cttttccttt ttaactcaca 480

cctgtgtggg ggaagatatc tcactctcgt acacgtgtgc gcctcacaga tcagg 535

<210> 2484
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(425)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<400> 2484
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aacgaaggga ggtcctgctc actccatttc tttcgtttga agcngaaggg atgtgtagcc 120

agggaaggct cccttcacca gtgtaaagag ctgatacagt actcagaaga ctgaacaaat 180

acttgaaaat gggttcaatg tagactgcca ttctgtgtgg tcttcccatt aaatgtgaac 240

attttaatat gtatgcattc accttgcctc ttgcacaaat gtcaaaatgg aaagatggga 300

atgtctcaaa acaaaatgag cttggagatt accaagcagt ttgctgaaaa ttcaatcttt 360

gacccaaact gtagcaattt ttattttctg agtgtggcac tgttntgttt tatttnnnnn 420

nnnnngttnt gtttttcaat gccaccaaca aactatgt 458

<210> 2485
<211> 304
<212> DNA
<213> Mus musculus

<400> 2485
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gagcttatta tggacttaag gctttttgtt tttgtttttt atgttttgtt tttcaagaca 120

aggtttctct atcaaccctt gggctgtcct ggaactcact ctgtagacca ggctagcctc 180

agactcacag acatctgtct gcttctgcac tgagcactgg gactaaaggt gtgccactac 240

ctggctttaa agactatttt ttatgaagag tagaaaagaa aggttcctgt ctagctttga 300

taaa 304

<210> 2486
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
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<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<220>
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<222> (131)..(131)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<220>
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<222> (186)..(186)
<223> n is a, c, g, or t

<400> 2486
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gctcctgant gctgggctta caggcctagn ctttaanntt ctagancaat taaacttggg 120

tggncatcag naacgnaatc tttangnaca cggccttctg tgctttagnc ggtactccat 180

ctcttnagct tcatttggag actatctgcc ctgtagcccc agattcacaa atcccttcct 240

gttttcagat ataaccagag agagaagctg tggggatgat cagcagatgg gagcctgttt 300

ctccagttct acttgaactc ctgtgtttcc aggatgacaa aggcacagag gaaacagaag 360

gaagcctgtc tattcctgtg cttagaaaga cccagataaa cagagctgac tgaatgcaag 420

gcactaagtc actggcaaaa acaacggtgt tgaatctcaa gaactgtact aagttagtac 480

agttagtgtg gaacaagaag ggagacaacc ctgaacgcca agcttacacc tcaagta 537

<210> 2487
<211> 537
<212> DNA
<213> Mus musculus

<400> 2487
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cctatcacaa aacaaagtaa agcaaagaaa caaaacatca aagaagctat gcagaaaact 120

gaccttccct ttctttcctt catttctttt ttgagacagg tgtcaccccg tagttcactc 180

tggcctggaa ctgttaggta ctcagctcat ctctcttttt tttccttcct ttaggcaggt 240

ctatatagcc caggctgtcc tggaactcat tatatagacc atgctggcct caaactcaga 300

gacccgcctg ccttggcctc cacctttcc ttcctcttgc ctttgtcctt ccttctttca 360

gaactaaccc taggcaatgt tctacagtgt gaggacatca gagcctggaa cagatgagag 420

caacaagtcc ttgaatttaa aggaaaaaaa aaagcaatta tgctggatgt ggtggtatac 480

gcctataatt ccagcaagga caaggttgag gcaggccaca tcactaggtc aggtctg 537

<210> 2488
<211> 336
<212> DNA
<213> Mus musculus

<400> 2488
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ctcaaactca cacagatctg cctgtctctg cctcccaggt cctgggacta aaagcatgca 120

cgactatgct ggtgtatgga aataaagttt agtcaatgtt gaaaatctct cctggttgaa 180

tgacttgctc aatttctctt ggaatcccta ctgagaacag aattagcaac cttgtgggaa 240

ggagacagtg gggagggaag agccaaaatg ttaggctatg tggctgtgtt tcaggagcag 300

gatgtatagc ttgcctttca agtctaagtt tctgtg 336

<210> 2489
<211> 421
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<400> 2489
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gtccatgtgc tagcagcact tccctgagcc attctccagg ctgctccagt actcaaggga 120

acgggcgacc tgggagaccc agccagtacc gcccagatgg acttcggagt ggtgatgggg 180

tacctccaag aagcttacag gatggaacca nggaaggctt tggacactcc acatcactca 240

aagttccact ggctcgatct ctgcagatta gtgaagaact actgagcaga aaccaattgt 300

ccacggctgc cagccttggt ccgtctggat tacagaatca cggacagcac ttaatcttat 360

ccanggaagc ctcttgggca aaacctcact atgaattcag cctcagccga atgaagttca 420

g 421

<210> 2490
<211> 410
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
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<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (106)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(324)
<223> n is a, c, g, or t

<400> 2490
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taantactag gccgctagga tgagggtctt agaacccaca cccacnatgg cacacttttt 120

tcancaagnc cacacctact ccaacagggc cactccttgt agtnatgcca ctccctgggc 180

caagcatcta caaaccatca cactgtttta attttattgt atattatttt tatttcaaat 240

aattcttaca tttaaagcta ttttagctca tattcttccc ctcccccaca tncttccaga 300

tcctaccctc caccaaactt tcnnaagaaa caacccaaaa acccagtaca acagcaaaac 360

cccaaagcct actaaacaag atacattaac tctcagcata aataagcaaa   410

<210> 2491
<211> 369
<212> DNA
<213> Mus musculus

<400> 2491
tcttctggga agagctacca gtgctcttca ctgctgagct acctctccag cccttgtttt 60

aaaatcttaa cgtaaggtgt tttagaaagt acagaccaat acacttgaga tgtttctaca 120

ctgagtatcc caacccttcc ttcttgtgct ttaaggtgca aaaaaatggt tccagcttca 180

aagagattca caatccatag gtcctctaat gttcttacca tctcactgaa gcgctttgcc 240

aacttcaccg gtggaaagat tgctaaggta tgcccatgat tcatgactgt tctcatctct 300

gtacagtgag ttttcccctt ttcttcacaa ttaatgaagg gtaaagtggt caagatgcac 360

agtcatgtg 369

<210> 2492
<211> 400
<212> DNA
<213> Mus musculus

<400> 2492
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agttcctgct tctaggttct gctgtttgaa ttcctgtcct gacttccttt gataatcaac 120

agtggtatgg aagtatgagt taaataaaac ctttcctccc tcagttgttt tgttcatagt 180

gtttcattac agtaataaca accctaatta gtgccgtaga atatatttca acaaagtcca 240

aagcaagggg aggggagaaa ttcctttcac ctttgatcat ttatgttccc agatgaaaga 300

catacatagc ctttatattt tagtatgtct taagcagcag aatagctcgg tagccgtctg 360

tcttccatgt tgttagaatc tactttctaa tccataaccc 400

<210> 2493
<211> 102
<212> DNA
<213> Mus musculus

<400> 2493
aaagctctta cagtgaagac tcaattagat cctcattcac aagcaattag gttggtttat 60

tcaggtacaa gctgttattg tcaacatttt gcagtatttt ta 102

<210> 2494
<211> 530
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<400> 2494
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tgagcaannng gtgtgtgtgt gtgtgtgtaa ttagatggta gagtatatcc aatctacaca 120

gctcggtgat naaggggagt gggtgaacat tgcaggcaga cactcagagg gaaacggcgg 180

caccttccca agcccaatga agaagtataa ccngnaggct tttcagaatg caatcagtgc 240

gtgccaaagc tgcttttctc aaatcgcgaa ggagaggggc acgggactgc acaagtctgg 300

gctccaaggc taagcacctg ttttaaaaat gggcctgggg catctgcaca cttgcctggt 360

ccggccagag gcatgcacat cctcggagct ttaaaacaga aagctaccat ccatcccaag 420

gaaggtaccg ggagctcagt gcactcccag gacaccgctc gcttgcaaca tctcggcgcg 480

gcgccaggca agggcccgct tctccagcct gcaagcggtg cctacgggat 530

<210> 2495
<211> 408
<212> DNA
<213> Mus musculus

<400> 2495
actcccctgg gaactgaaca atagaagaag ctatttttgc agcaagaaga ctgcaaggca 60

gacagcaaaa agaacttcag aatgattatt tgcagaaaga agacccaccc taaatctgcg 120

tcacatctcc tggtggcggc cttcgcgaaa ggacatggga gaaggatgcg tcgcttcctg 180

tctgctgccc ccactctcac tgccaagttt gtgtatcttg ttgctgtggc tggcgggaaa 240

tccaatttct tcaggatttc agtgcacact gaagaccaga agctctccag gattcctccc 300

agtctccagc atgagaagga ctgctgggat acccagcctc ctggacagag ctaatactgg 360

attctccgtc tttccatcat tgagacactc gtcgttggac aaccttaa 408

<210> 2496
<211> 371
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (263)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(331)
<223> n is a, c, g, or t

<400> 2496
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ctgaaggcac aataatctct gtcatctcta ctaggatgtg gtttctttaa aattagcaat 120

tattgaatgc ctgaagtata tcgggcccac atatggctcc tgacttcata tttagctcaa 180

tgattttctt atttatttat tttatatccc aattctactt cttggaagct ttatttctgg 240

aaaatagtcg gggcactttg gannnctgaa agagcagtca ctgttaaagc ttaattgtat 300

gggatgtgga aatgctgcaa taaatctgtn ngggttgtat ctaggttaga agtatacggt 360

tgtctttaat a 371

<210> 2497
<211> 233
<212> DNA
<213> Mus musculus

<400> 2497
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ggaaattttg gttaaaaaaa aaagaaaaaa gaaagaaaaa gaaaaagacc tcatcctagc 120

tgcgttggaa gccagtattc tcctagcagc cttcagatga agatgtagaa ctctcagctc 180

ctcctgcacc atgcctgcct ggatgctgtc atgccctcac cttggtgata atg 233

<210> 2498
<211> 253
<212> DNA
<213> Mus musculus

<400> 2498
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ggctatcctg gaactcacta tgtagaccaa gctggcctca aaatatttaa gatgaacctt 120

acctttgcct ccagagtact gggattaaag gcatgttcca ttactgctgg ctcctgacaa 180

aatttttata gtttttctct tacttcagta tgtatagttt tcaatatatc cacacctata 240

gataatttca ttt 253

<210> 2499
<211> 179
<212> DNA
<213> Mus musculus

<400> 2499
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ctgtcaaagc tatgctccta gcgcttatgt ttgagtattt gattataaat tgcttctaaa 120

acattgccgt caaattacat tcattagaac agtaaaaatg tcactttatt tccaaatat 179

<210> 2500
<211> 116
<212> DNA
<213> Mus musculus

<400> 2500
tataagtaaa ggatgtactg ccccaatcca cagggtctgg ggaagtggct atgttcttcc 60

ctgggtaggc acatgtgggc acataagcac agcccctact ggagaacagt tgactg 116

<210> 2501
<211> 89
<212> DNA
<213> Mus musculus

<400> 2501
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ccttagatcg tcgctgaata aatgaactc 89

<210> 2502
<211> 69
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<400> 2502
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tcctgtgta 69

<210> 2503
<211> 276
<212> DNA
<213> Mus musculus

<400> 2503
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gtgaaagtca tggtttttct ttgtagatga taaccttcaa ctagcaccct agcccaagcc 120

atcctacgtc agcaccccaa gtggctgggg gtacaggtgg ttgtttatcc ccttttccta 180

agaaaggaag acagggcctc atatctgata aacctctgta ccaaagtata tccccagcta 240

caccctcagc cctcctgggt tgtttccaaa caacag 276

<210> 2504
<211> 286
<212> DNA
<213> Mus musculus

<400> 2504
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gagtgattaa agtttcatag catcgtgtat gtgcaattga agtagctcag ggatacttct 120

tcatagcttt ttagcccagt gctgaagtgg taccagagct tatggctccg tgaaggcaaa 180

catcttttag caccctgtgt ttgcacatgc tgttccttgg ctttggaata tccttactaa 240

ctgcaaaatt cacttcatag taatactgat ttttctgtac ctcgaa 286

<210> 2505
<211> 463
<212> DNA
<213> Mus musculus

<400> 2505
taagttgtac ttactcctaa ttgaaaagtt ctgcatacac atccttggtc ctttctgcag 60

tactagggat tgcttccagc aaggttggca agcaccactc tttcatgaac tctatggcag 120

gcagctctgc gccctgctgg tgttcctttt ctttctatca tcctgtctca gtccctcaag 180

cagttgggat cacacacact tgagccaagc atggtgttag actttatgac acatggttga 240

aaaagataag ccaaggtgct gaggcaaaag gaaggcagag aaatggaaaa ctggaactaa 300

tcagatatat ttgcatatgg gatgatctgg gtggtggacc agggtgtcat acaggagtac 360

gaagattttt atcataagga atctgaatga gaaaaggata ataattatt aacctgtatt 420

ttgaagtgga aacatacaga ctgcacaagg taatttgatc act 463

<210> 2506
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<400> 2506
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tgtctgacca gcagcagcac tgtaggaagc agtaactgat tgtcacattg tgggtcactg 120

tcacagttca agtgtacaat ggaagtaaga caggattatc tttgaactct gtagtcacag 180

tgaaggcaag gcaggcaatg atcagcagat gcgtggttat ggcttgactc ttcgcgtact 240

ngagggctct tgtgaaacaa cgggcaaacc agatggaaga aaaaagctag caaggtccta 300

agagccctgc actaacctaa cacgggatga aaagtccata ttgctcttgg cagaacagga 360

aatcatttct ggcaaaatct gtgcaccacc agggctttaa tcagactggc aacatacaaa 420

agtgtgcgtg acccactgat gaatgtaact tccgagggtc cccgcctgtc agttactttt 480

ttaaggttct tagagactcg cagcaca 507

<210> 2507
<211> 202
<212> DNA
<213> Mus musculus

<400> 2507
ttggcttgta gcctgactat agcaagcact ggctgagtca aagaaggcac agtccttgca 60

tcctactgag gtactgaggt agtgagtatt cagttacacc gggctgaaga aaactctaca 120

aaatggctac acacacagca gaggaggttt aatagtgtca gcaactacat cttaacagta 180

tccacttgtt actggagtgc tt 202

<210> 2508
<211> 243
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<222> (109)..(109)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 2508
tgtgagaatg tttgcagcag acatttctaa acagtagcnt gctgttnaca tgggcctgnc 60

cggggatgga gggaggggaa ggtggantgg gagnttcatt cnagctttnt gcacagcgag 120

gcattttcag gcagtgtgtg tgacaactgg aataaagcag gacactgacc gttcacttnn 180

gcgtgaagca gacctagtgc tcctcaccag cttcaggtag acacatttgt ttccccactg 240

ctc 243

<210> 2509
<211> 464
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<400> 2509
atttcatttt ctgggacact cggtgggtgg gaaagctggt gtcctcacca tggagctggg 60

aaaacagagg cntgaaaatg acaagtgact atggtctctg tgtggcatag ctacctcact 120

gctgcaccca ttgcctcctg gactctaggt ttgcagaagc ccctctgaat gcccacctca 180

ttatccacct cattgtgcct ctgagacatc cttagggctg gggtacccag ctctcgaaga 240

caccatgcca tgacttctag gttttgagaa ccgttactta aaggctgaca tgccaaggcc 300

ccttgtgtgc ttctgtgaca aacttatgaa aagggagtac ttatgtgtgg gagtgaggaa 360

ttctgtctct tgcccaccaa gattcatctg tgatgaacga tagcccaatg ttctttgtgg 420

ttcctcccgc tgagagctcg gtccatttgc aacccttgaa tcta 464

<210> 2510
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<400> 2510
tgtcctggta cacggtctgt tgagttgacc aggctggcct tgaacagatc tacctgcctc 60

tgcctcctga gtgctgggat taagggtgtg tgctaaaagt cactatatag cctaggctgg 120

ccatgctgat gatctgcctt ggcttcctaa gagctgggat tttagacatg tgtcaccatg 180

tccgtcctgt atgtatcact tttgttacag aaagaaaatg caggcaggta aaaacaagac 240

ctgggggctg gtaggatcgc tcagcgggta agagcactga ctgctcttcc aaagatcctg 300

agttcaaatt ccagcaacca catggtgggc tcacaaccac tcctaatgag atccggacgc 360

cctcttctgg tgagtctgaa gacagctaca ctgtatttat tataataata aataaattta 420

tttantttaa atgtatttat ttataataat aaataaatct ttggggccgg agtaagcaga 480

ggtactaaag ttagtttcca accagatg 508

<210> 2511
<211> 406
<212> DNA
<213> Mus musculus

<400> 2511
gtttaatcca tatttgtcct ctccacccac cagttttggc ttttctcccc aaggctgatg 60

atataggccc atgaactgga ttggacttag caactcaata ggatcagggt tgggctctac 120

attaaaagca actttgaccc tggctagtcc ggactatcat ccctaaccat gatataagca 180

gaccaggctc ctgtctggac atttctaaag gtgaacagtt gggggggggg tgtttcctct 240

attcacctgt gtttaaagga aggagagcag aggaggtgac cctacctctt aatttccaac 300

tgtaactatg ttaacctact cgcatccccg gggcttccct aagggaatgt gtctgtctca 360

ctgtcgtgtc tcagtgtgtt cactgcatgc tggtgtgtgt ctaatc 406

<210> 2512
<211> 441
<212> DNA
<213> Mus musculus

<400> 2512
tttggctaag ggaaatgatg gatctgggtt caggcaaggg catttggagg tgagcagcca 60

gaaggcatgt agtaacccac agtactcctg ctatcttgac ggcaggaaca ccaagacaga 120

aactagctga gattcatctt ctaaggtcta tcgcatccga aatgtggggc tgtgagcctg 180

tgttagcccg agtgtgggga gtgtggggag tgtggggctg tgagtatgta atcttactta 240

ggaagtacag aatcaggagc ttgacactgt cttaaaacca accaaccaaa cagacagaca 300

gaaattcaag ccatgtggta aggcctccta tttagtagcc gggctgtttt gagcatatga 360

cgaaccaacc cacttaggaa cagcgttcgt cattcacaag atggatgatg atgatggccc 420

tcacctctta gaccaataaa a 441

<210> 2513
<211> 406
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<400> 2513
gggcagttat gtgaccggca tcacccgaga gtccataacc caaaatttct gcgtagatcc 60

gagctcctct ctgaacagca tgctcatgtt cttccagcac cagcacagca gctccctcac 120

ccatgacaaa accatctctc tctggatgaa acggccggca ggtagcttag gatctgggtt 180

tgagctcaga gcccgggctc tggaaaaccc agcgagagat aatggactaa tgcaagagtc 240

tgtgccccca ggccaccatc acatctgggt caccatgggg tatgaatnct aaaggagttc 300

tcccacaggc atgtgcacct gtggtgaggg ctgtggacac tgagtgattg ggggccctga 360

gtttgtagcg aatgctaaac ctgggcctgc agccatattg attcag 406

<210> 2514
<211> 98
<212> DNA
<213> Mus musculus

<400> 2514
acactcggtg ggcatttctc ctgggggggac taggaagaac cgatttccta gttgaccagg 60

aattaggcct cacactcatt accgcatcag tttctcac 98

<210> 2515
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<400> 2515
tcttcccttt gtataggagc actgcactcc tataaaagat ttttaaaata caaaatgtac 60

aagaaaacac aatcccaagt gctgtaaaca taaccaagaa ccaatttctt cacctaaaca 120

tccgttctat aaacacaagg tttcatcttg agcccatgct ctacatgtta actgggcttc 180

ttgactaggt ccagcagagg tctggtgata ctggctggcc ctgggtgttg gtgggctgta 240

cccagggcag cagcaccacg tgtgaaccca aacatttttc tagtaaacag aaggctgctc 300

cttcatcctt cctcaagcca agctctagta caggtgaggg aaanggtgtg tgctagcaag 360

gccagctgct cagtgctgct cctagaaatc aacttgcata gt 402

<210> 2516
<211> 268
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<400> 2516
atacccagcc ggcatcgctg atttccaaga gcagctcagc ancggaagat caagagcaaa 60

ggatcggaga gntgaggaga aaagcccttc cacaggatgc gaagaagtgg gacgactgga 120

aggacaccca tcccaggggc tacggcaacc gacagaaaca tgggctagtc atgccagaag 180

gccaaaggac agcgtggtgc acaccttcac accaaggaca acttcaggag ggtgcagtga 240

gggcagccgt gtggagtctt gctttgca 268

<210> 2517
<211> 383
<212> DNA
<213> Mus musculus

<400> 2517
acaatcttgt tgtggaaact gcagtgtgtt acagtgtgtc ccacagtaca ccctttgcc 60

cacacgtcgt tactttcaaa cattcattgc aatgagtcat tggtctgttt caaggcctct 120

ggcttctgct acaccaatgg atcctcactg gggctctttt tggatatcct gctgttgccc 180

tgtgtcaggg acatcctgca gctttgtatc tgagggacta gtgcttcatt cgagtgctcc 240

agtgggtcat agatggggta gagttggggc ccggcaactc aaagccctgg atctgggact 300

tagctgagtt ggtcagccca ctagctctcc tgcacctgca ccaccagggt gagctctcca 360

gcaatggctc agctaggtca gct 383

<210> 2518
<211> 96
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<400> 2518
gattttaatt gaacctaagc agccattagt ggcctgctag tcttaaactt tctagaagtt 60

tnctttttgt tacagccaac aaactttcag aggttt 96

<210> 2519
<211> 417
<212> DNA

<213> Mus musculus

<400> 2519
gctacactag caagaagatc catcaagcat ttacatagta aattttcatc attttacaaa 60

gattcttgat cttcatttaa aatgcacata agggaaaaca agccccctca ggttacgaaa 120

cctgggaagc agagagtgga gaaagaaatg ctaagggcca ttcatgaatc ccatgtccac 180

ctgacatgtc ggggggggcag gtgtggaggt gcacacctgg tgaagcccag cacttgggag 240

gtggggtcaa gagggtcaga agtttctgcc tagcctcggc tacatagttt gaagccaggc 300

tgggaaaaaa ctgtcaaatg accctccctg cgatttagag tatactacca cctttaagat 360

aaactagaat ctcaaaagct gtagtactgg aataccttg aataccttag acagctg 417

<210> 2520
<211> 423
<212> DNA
<213> Mus musculus

<400> 2520
gggaatggaa gatcctggcc tctaagtcat agaccaaagt ctgctgtaga acaaaaaaaa 60

aaatactgga gggcagagat agcaaaccaa gtctccaaac aatgctgtca gtattagcat 120

gcggtgccgt gggcatggaa accttgcctt acttcctggt cctaaaaggg agctgtgcag 180

atgtggatca acatttgttg aaaataaagt attaatactt taaaagtcaa ataaaatata 240

gtgtttacat tctttaggtc ctgggaggag ttgggggggg gggactctga taatacagat 300

agtaaaagca gtaatttctt taatgttatt tttctggtta gtaattattt ttaacagtac 360

ttaattactg tatgtcgtga gacactaaaa tcaaaaatgg gactctcatt ttgtctttat 420

ttg 423

<210> 2521
<211> 424
<212> DNA
<213> Mus musculus

<400> 2521
aagggatgca gctaacctac ctgccaccct ctcctgtcct ggcagaatcc accaccccca 60

ttactgacat cagggccttc acagcaacac tcagcctctt cccctaccat aaaatagtca 120

aataaactgc agtctcattg gcctgaagca acgtgtattt aaagacgtgt gtgcatttta 180

tggagttaca ctgctgcctt agggcttcca ttggattttt tcgatggcaa cctaggattt 240

gatttacttt ttacctttcc tctacaagat tagctcagga tggcaatgag atagtaggca 300

agtgtgaccc aaacacttac gtcagcaatg tgggggcccc tggcctgtgt cctctgagga 360

gaacccagct cttgtgtgcc tatctgtaat taatttgata tagcaccaaa ctgccctggt 420

tttg 424

<210> 2522
<211> 98
<212> DNA
<213> Mus musculus

<400> 2522
aaggctggcc tactgcttga gcccaagtgt tgagactaca ggtagaaggc acctgccctg 60

ttctgatggg attctctgca gctatgttgc ttcaggca 98

<210> 2523
<211> 110
<212> DNA
<213> Mus musculus

<400> 2523
aaggctggcc tactgcttga gcccaagtgt tgagactaca ggtagaaggc acctgccctg 60

ttctgatggg attctctgca gctatgttgc ttcaggcagg ctgtggtcct 110

<210> 2524
<211> 161
<212> DNA
<213> Mus musculus

<400> 2524
tttctctgtc tcgactactc cataaacttc cctccccatg ccctaaataa actctgattc 60

ctcagggaga agggatgcct cagcatgggc ttgcagaggc acccccttcc cccatgccat 120

accttgcctc caccaaacat atctcaggct tctttttctt t 161

<210> 2525
<211> 284
<212> DNA
<213> Mus musculus

<400> 2525
gacagacatc cgcagagacg acagacatgc acagtgagga ggaacaggcg tagtgaggac 60

agaagcaaaa cctgaagttg cattgccaca agctgtagga agaccacacg ggagaagccc 120

agccggcctc cagcggtcag aagggagcag gctcgcagca ctgggcctga caggtgagct 180

gagaaccgtc acactcttct gatcagtgtg atgggttctt gtggcagctg taggaagtcc 240

acagacctac atgtcgccat tcccttcagc tgcttttaaa ggtt 284

<210> 2526
<211> 289
<212> DNA
<213> Mus musculus

<400> 2526
gtcatttcaa aaacctcagc cttagttccc tgggacagca tgccagaggt acaaattgta 60

acttctctac aacccccccag caagcatcca agtccacagc ttcagaaagc cagttctctt 120

cagtctactc ctctgcttcc tggtttttct ttcaagagag gaaactcaaa agtaggtagc 180

taggtgtggt ggtgcacacc ttaactctag cactgaggag gctctctgtg agggctagcc 240

tggttgacat agtttgaagc cagctggaat tagcgagacc ctgtttcaa 289

<210> 2527
<211> 267
<212> DNA
<213> Mus musculus

<400> 2527
aggcaggctg gaacctgtaa tcctcctgtt ttcaccttct aggtactcaa ttgtaggcat 60

atactgcatc tggctgattt ttcccccatt tgttattatt acattggggg ggaagggtga 120

gcgcagagga agatgagtta gtgcatgtgc cagacttgga ctctggactt acaggctgtc 180

gtgagcagcc tgacagggtg ctgggaacca aacttgggtc ttctgcaaga acagaacatt 240

acttgctctc attagctgag ccatcat 267

<210> 2528
<211> 243
<212> DNA
<213> Mus musculus

<400> 2528
gggttcacct agtgtgttag tgacttttct tactgttgtg atcaagcacc cgattaaaga 60

tgacgggttt agtttggctc acagttggaa ggaatagttt cctgtgggga agtcatggag 120

gcaggagcac gaggcagctg tcacatggca tctgtagtga gaaatccagg tgcagtgagt 180

gctggtactc agctcacttt ctcctttgca ttcggtccaa gacctcagct catgggtgat 240

gct 243

<210> 2529
<211> 231
<212> DNA
<213> Mus musculus

<400> 2529
aaaggccaca gttcacttca ggtaaacaag ctttaatggt ctcaagcata ggaatgctgg 60

ggataagctg taaaaagaag gtgaaaccgg aacggagaag gaagctgcct ctcagcagcc 120

tcggggaact gggcggaagg agcaaaatcc ttaacaggtg gtctggtgca cctgttcccg 180

ggatgatatg actttgacat cctaaacttc ttccagaagg gtgagcacct g 231

<210> 2530
<211> 137
<212> DNA
<213> Mus musculus

<400> 2530
ccttgagatt gctcactcag tgaccacctc ctgggaccaa cataaatacc ttacttttcc 60

cttgaagacc ctgcttcttg agatttttt ttgccccccc tgctccccag aggcgcgaga 120

ccctgagatt ccagatt 137

<210> 2531
<211> 165
<212> DNA
<213> Mus musculus

<400> 2531
taagctggaa aactccaaag ggcaaaaaaa tctggaatct cagggtctcg cgcctctggg 60

gagcaggggg ggcaaaaaaa aatctcaaga agcagggtct tcaagggaaa agtaaggtat 120

ttatgttggt cccaggaggt ggtcactgag tgagcaatct caagg 165

<210> 2532
<211> 186
<212> DNA
<213> Mus musculus

<400> 2532
tgctactcgc ttcccatcac agaaaggcct gccaggcatt ctatatttcc tgcaatgtga 60

atctatccaa accagaaaaa tagcataccg aaatcaggtt atagcttcaa tagctgaaga 120

aacatggaaa tttccatttt taaacattaa attttctatt attgttctat gagtaagttt 180

ttacca 186

<210> 2533
<211> 131
<212> DNA
<213> Mus musculus

<400> 2533
gggacaataa tcttgtttac ttcctcccct ggacccaatt tggatcccta gaggacacat 60

ccagacctag agctattttc ctcttcataa gcttgtcatt tggaaggtgg gtagtgatgg 120

acacccagga a 131

<210> 2534
<211> 136
<212> DNA
<213> Mus musculus

<400> 2534
gacaaatcaa aatcacctct taatctccct ctacagtgct ccacaggaat cttgcccctt 60

caagtgaatc aagtgagtca cctgctggta gtagacatgc ttgacgagaa acaaaaacag 120

ggtagtcagg ccgtag 136

<210> 2535
<211> 112
<212> DNA
<213> Mus musculus

<400> 2535
tgggaggcac aggaaacctg gcatttttgg ggccctcaca cctgcacctc catcttctgg 60

gcccaggcaa agaaaatgcc tttgacatca tctacccccg tgcagaggtg gg 112

<210> 2536
<211> 67
<212> DNA
<213> Mus musculus

<400> 2536
ttaatgggat cgtccagccc ttctctgtgt ggcttaaacc taggttcctt gcttatacat 60

tttcact 67

<210> 2537
<211> 89
<212> DNA
<213> Mus musculus

<400> 2537
gatgtatgga cacacggatg agtaacctgt tggtttgata aacttttgga gtcagattgt 60

tcagggtcca atcccgagcc tgttacctt 89

<210> 2538
<211> 86
<212> DNA

<213> Mus musculus

<400> 2538
taacaggctc gggattggac cctgaacaat ctgactccaa aagtttatca aaccaacagg 60

ttactcatcc gtgtgtccat acatct 86

<210> 2539
<211> 70
<212> DNA
<213> Mus musculus

<400> 2539
cattgtgatg gagagaactg atttccagaa gttatcctct gatatcagat accagtgtag 60

tgcatatggt 70

<210> 2540
<211> 58
<212> DNA
<213> Mus musculus

<400> 2540
atatgtacca tatgcactac actggtatct gatatcagag gataacttct ggaaatca 58

<210> 2541
<211> 194
<212> DNA
<213> Mus musculus

<400> 2541
aaggctagcc cctgaggtct cagtgcttgg cctggcacgg ctctgtcagg acttctctca 60

ctaggttaat ccataggatt gctattctaa gacctagtgt ctacagtgat taaatgtcac 120

tccagaggaa acctttccac aaaggaagct ttcatgaccc catttaccga acataatccc 180

tgtcctttat aaat 194

<210> 2542
<211> 346
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (220)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<400> 2542
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aagaagactt ccccagagta tgaagagagc atgcgcagat atcgggaggc agctaagctc 120

ttccagggac agattctctt tgttntggtg gacagcggca aaagggaaaa tggaaaggtg 180

atntcctatt tcaaantaaa agagtntcag ntgccagntn ntggccattt atgagtntgt 240

ggatgacaag tgggacacan tgcccatngc agaggttacg gtggagaagg tccgaggntt 300

ntgcgaggga ttnttaaagg ggctgctgca gagagatcac gaagct 346

<210> 2543
<211> 550
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (517)..(517)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (524)..(524)
<223> n is a, c, g, or t

<400> 2543
tggagcaact ctggctaatc tggagaggga agacaaagtt tagatctggt tgagatttgg 60

ttacatttct aaaagagaac ctccaaaagc ttccagattt gcaggcgtaa gataaagaca 120

gccctgacat ttgccgggag gtacggtgat cgctgcttct cagcagttca tttttttnc 180

ccccaggcac tgctggcttc ctttgactat tatagttgcc agaaaaatcc ttgctttttt 240

tactttacaa ccagcatttg agtggcaagt tggatataat gggatgagac caaatctctc 300

cattcctcct gggagcaatg atgggacaca atttccannt cccacaagtt ctgaatcttg 360

tagcgtgtag cactntcagn cctgttcttg tcggggtggg cagtagtgac ggtatttnca 420

aagagataat aaaaaagaac tgggcagact tccgttaact ttaattatga aattgaaata 480

aggcatgcca ctttaatatt ggaggctggt ctgtttncca aagncccttc tctttgtgta 540

ctcactggaa 550

<210> 2544
<211> 551
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (472)..(472)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<400> 2544
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ttttttntnt taaggacaaa ccagtgtgtc gtagacctct atgtaacctg ctccttagtc 120

tcattatagg tatgttataa ggatggatat tttacttggc tttagaatgt ttttcaagaa 180

aactaattct taactgatga agttgttgct actaaaatgc ttgttttcat catgacgtcg 240

tgcgcttcta aattaatcat cattttcgtt gtagaaaaat ggagtgaatt tatattantc 300

ttggnaacta ataanagcat tgtaaatttn tgagatgatt tnaacagaaa aatnatagaa 360

gnatatagtt attttaattg taatattact aactgtaggg tgaggcgggg tcctgttngt 420

ggtgaactgt tatagcttgt tactcagttt ctttttgatc attttctcgg tntntgaggt 480

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tcgggccaga cggcnggcac agggaagctg agcctgagca agctctggga tgtgggggtg 180

gtggcaacac cttagcagga agtggtgttc tggcctgcta tgggcgtttc tacccgctgc 240

tgatgctgca ggtgccttga gagtgggatg ggatgctgcg acaggcagtt gtcgggtggg 300

ggnncccaag tactgcggag gcaccntccc aggtttcttg ggnctgaggc tntcagctgt 360

ggggaagcag cagtgaccaa atgtganccn tcacaacccc ctcaagagat gntcccagag 420

ggagagctgg tcattcttac anccnggtgg gngtccttac tgtntcccca tagganccat 480

tctgatggca ggcagggcaa ggntccccnt cancctgtat ttctgagtga ntctttttct 540

gcctggttcg tgtagatgt 559

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<212> DNA
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gcgccttgcc ttaacaatcc ccagacagtg ttctctcaag cagtgttcca gacttgttgg 180

gtgtgaagat aaatgcatgt aagagcagcc ctttggaggc tgaggcagga gaatctcaag 240

ttcagggcca gcctgggcca catactgata ccctgtctct caaagggaga aaaattactt 300

aggtatgtca gcacttttgt cctgtaactg tagatctgtc tcaattgaag ttaactcact 360

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<211> 463
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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aatggtggcc ctccagatct aatgccgtgc cacactgttc caccaataga aagaatcctt 120

cagctctaca ccattgacca cctagaaccc attccagaca catgatactg ataaaagtgg 180

tcattactgt cacactgccg cctttctgct tgcaggaagt ccaggccntc tgtgagaagt 240

ccctcctgtc acatgagtat tggtaggggt ggggataagt ttgtgccctt ggctggtcag 300

gncatgatgg gaaggaactt ntnttnntng ggaccnatct tnatccactn tcccccactc 360

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nccctgggag cattaagtta aagcgctttt gttacctccc aag 463

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<211> 393
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (348)..(348)
<223> n is a, c, g, or t

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accctgtctc cacaccccac caaggggggc tacgctgtct ctgattatct cacctacaac 120

tgcctcacga gtgacactga cctgtacagt gactgtctgc gttccttctg gacctgccca 180

cactgtggcc tgcacatgcc cttcacaccc ttggagcgca ttgctcatga gaacacctgc 240

cctgaggcgc caggcgatga tccagggtnt gaggaggctg ctcntgcacc accacagaag 300

acatcagccc tgcagaggcc ctaccantgc caggtgtgcg ggcaggantt ccactttacc 360

ccaactgagg tactaagaca tcgaaggcag cat 393

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<212> DNA
<213> Mus musculus

<400> 2549
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ccaggttaag aatatcactg ctttctattc aaatggattt cctgagtttc caaatctttc 120

ctttcaaatg tattgtggag atagtcaact tcaaggccaa ttttgaaccc ttggtactga 180

ctctggctgc tatgaattct gttttacttt gactataaat gatcagaata actccagagc 240

actgtggtgt ttctgactgg ttgaaattga tgattgacat taataatgat ttcctgccac 300

ctgaac 306

<210> 2550
<211> 566

<212> DNA
<213> Mus musculus

<400> 2550
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caggaaaaaa atttgggggt gatttgttgt ggttgctaca aatttgatga ctagaaggat 120

cattccttgt aaattgagtg attcttaatt tcttatctgc tattcatgta cttgtctctg 180

ccaaatgaat ttacgctgtg attcttagga aactagtgtg aagacttgtc aagttgaact 240

gggcaacact cctactgtgt tatctctagc tgctggtgcc tcccgtggcc agtgttttgt 300

gtgttttctc cttgtttaag agcaacattc ttgtatggag aaaggcttgc tctggctaaa 360

atctgtgaaa agcagatttt ctcatttaaa atagtgttac ttttgtggaa attttaaatt 420

tagcttttat ctgaagtgcc ttaagtagat tcttaattta cttttctagt actggtttga 480

atataattca ttatgtattt ttaatatact gttcaaaaat gatacatact atagcaaaga 540

taaccaaatg tctggcttac tgcttt 566

<210> 2551
<211> 392
<212> DNA
<213> Mus musculus

<400> 2551
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tttgcctagc cccttatccc ttttgaataa agcaacatgc atcttttgtt gttaaatgct 120

tctttttga agcattttct cgactctatg aatcccctat ttagtctgcc ttaaagtgaa 180

acaacgacca gtgaaccgaa gcatgacatt ttaccagctg tgcagtggtt agctaagtgt 240

gtcttgagat gttagcatca tcatgcactt aaacttgaca ctagggctat tttacaaacc 300

ttaacaaaca aaacagatgc caccttgtac attatcctgt tactgagcta aaaatccaaa 360

tagcaatcat gggcatgctt tagaactgtg gt 392

<210> 2552
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ctcacctagt gtagataaga ataaaccgcc agccacgtgg tggtgggacg caccttatc 120

tcagcactcg ggaggctgag gcaagcagat ctttgtgagt tcctggacag caagggctgc 180

acagagaaac actgtctcaa acaacaaaac aaaacaaaac aaaacaaaac aaaacaaaac 240

aaaacaaaac aaaaatgaga aggaggagga ggaagaagga aagaaaagct gcagtagcag 300

cccctgctgc ctaccctaag tatcctgggg gtgncggtta ttangatngn catgagcgct 360

tgatcntccn ttntnttntg agcacattnt aagcaagtnt ntttgggcag attntcntac 420

aattgctatg cacaggtttc ctttgtgagc agtgtaggga gtaccaaagg acccaggcca 480

gt 482

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<223> n is a, c, g, or t

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aacttacgat tgatttttgt caacggcttc tgatgtgctc cgagaagaga gaggaaccag 120

ggggaacgga gaagaccagc agacagcctc agtgccgggc cagaggggct gtggncaaga 180

atgttgcgaa gtttaggggc gccattcctg tgctgagatg tcagcgtgag cctacgagtc 240

ccaggtntgc gctgcctctt gccatcagcc agtgcctctg gccaccgtct tgccgtgggc 300

catcgtggtc tttcttgttt actaataggc atgattgttt gtggtaaagc agggattccc 360

tttacaagag cagctaccca ncttaacaat ccagtttcct gaagaaaccc acccaccccg 420

agaaggagag gaagggacgt ggcagggttt gtcaattcat agactgtttc caaaaagaat 480

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (261)..(261)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atgataccct cctgcggacc gcaggtagca caagatgctc ctaaataccg gctcaagaac 120

tatgaccagt tccgnnnnnn nntggnaaat ccctaccggn agcccaagag cantgaagng 180

nntnngnncc ngaaccnngn ntcagnatng aagnccntct gctntcaggg ncaantnnga 240

tacagtggag gnctaggnct ntncactttc acagggctgg gtaggctgaa ataatggcta 300

<210> 2555
<211> 213
<212> DNA
<213> Mus musculus

<400> 2555
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gtgtctttga gatcccattg tggttctctc gacaggagaa acgaatgctt acttctgtgt 120

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ccacactctg ttcttctcgc agttgtcctg ttt 213

<210> 2556

<211> 480
<212> DNA
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<223> n is a, c, g, or t

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<222> (412)..(412)
<223> n is a, c, g, or t

<400> 2556
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gactctcgtg agcaagaatt ttgagcaggt tgcctttgat gaaaccaaga atgtgtttgt 120

caagttctat gccccatggt gcagccactg caaggagatg gctccagcct gggaggcatt 180

ggcagagaag tacaaggatc gtgnnggaca ttgtcattgc cgagttggat gctacagcta 240

atgagctgga ggccttctct gtgctcggct atcccactct caagttcttt cctgcagggc 300

ctgaccgaaa ggttatagac tacaaaagca ctagggacct agagacattc tccaagttcc 360

tggacagcgg aggtcacctg cctaaggagg aacccaagga gcctgcagcc tntgccccag 420

aagcacaagc caattccacc ttgggtccca aggaggagct gtagccattg ggacactgta 480

<210> 2557
<211> 539
<212> DNA
<213> Mus musculus

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<222> (78)..(78)
<223> n is a, c, g, or t

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<222> (382)..(382)
<223> n is a, c, g, or t

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ttactttagt ttttgagntg aggtctccct gtgttgccct tgccagctca gccttctgag 120

tagctgttgc tgcagatgaa ccaccatacc aagcacagtt gttagaataa gagcaagacc 180

agtgcagagt ccacactgtg gtatacatct ggaattgcag cattttgggc aggaggatta 240

ttagtttgag gccagcctat gctacacagt gaaaccctgt cttagaataa taaacatgcc 300

atggtgcctc acacatgtga accccaacac ttggtaggtt gaagtggtta gaggttaaca 360

tgggttacgt agtggtgaat tntaggcaag actgacctag nccnaaaccc tatccaaaga 420

gcaantcctt cccccatggc ttcccgatat tgtaccntnt tccatgacac cttnttcaag 480

gtgtcaccag agatgagcat gaagaagaag gtgatatttt cctgaacctc cagaattat 539

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<212> DNA
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atgttgagtt taaagatttg gaataagagg aatcagtaga aaaattcctt ctattcttgg 120

aacaatagac gtataaagta ttaatacaaa tatcactgtg accttcagct gacaggtttg 180

gttaagacca gaccatcttc aggcacactg ggagtggctc tgatggattg agaactgtaa 240

tgtggagaca tgtgagatac gttttgctca cattgtcctg tctcaaatat 290

<210> 2559
<211> 465
<212> DNA
<213> Mus musculus

<400> 2559
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ctatcccaga attgaccctt gggcaaaatc tcctctgaac tcttgccgtg atgtgatcct 120

atatacatgg tccaagccat tgtcttgtaa gctaatgaat tacccattag tttacatata 180

tatatgtata tatgtacata ccccaacaga gaatactttc tgtatctgac cagtaaatgt 240

attatagaaa aatagcttcc tttctttttt ataatcaatg aatacctcat tatttcccaa 300

aaatgaatct tgtgatttcc tatattcatt gagtcaaatt gctttaaatc taatctcagt 360

gtatctttat ccctagatgt tctaacatca ttattctaaa aataaattga taatcattgt 420

aaaagagaaa acttttaaat taagcttggt ctttttctat ggaag 465

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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atctacctgg ctctgccctc catccagcag caacatgagt ggatcctgat gctgccacgg 180

aaaaggatgt gcctctggga tgaaggggg tactgggacc cntggtcctg cttgggtttc 240

atttgcatat gagcccttct ccctatgtgc aacagagacc nnnnnnncac ctgggtggcc 300

ctctacacaa tgtggggctt gagcttcgag cagggctggc tgagtttcct accttgtgac 360

tgcaactcct ggtgaccctg gaagtaacaa gggtatctgg cagaac 406

<210> 2561
<211> 489
<212> DNA
<213> Mus musculus

<220>
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<222> (388)..(388)
<223> n is a, c, g, or t

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ctcaagcatg gccctctcta cagactaatg tcttatttag ggtctggctt ggcttcccag 180

ggctgatcag agaaatgtga caatggactc tgtccctggt tattcctgat ggttgacata 240

gactgatcta ccttcaccca ccccaagtga gttctgcttt tctgtgacct ttgaaattca 300

acccacacta agaatggcat tctttcactt caaggccaca tccaaagaag gagctcagtt 360

aagtgtccag gcctcagcag taaatatntg caggatgtac ccagacacac actctagaag 420

atgagcctgt gctctgtaac agggtggggt tcactttcta aagttttctt cttccttgac 480

atggtcagt 489

<210> 2562
<211> 490
<212> DNA
<213> Mus musculus

<220>
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<222> (270)..(270)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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cgaagctgag agatttgaaa agtcttggtg tctcagcatc caaccaggac ccacagcttg 120

ggcaggactg gggccctcag gaagtgatgc ttagggcagg ctgcgagctg cccacagtgg 180

aataagcatg gtgatcgtgt cttggtattt ttaactggcc aatagagtaa ataaaaagca 240

taggcaaagt atagaggggt aggttagccn tgtttgtcag agttagagga tgaagggatt 300

attcaggggc agttgctgat gttgaatcca atgccagcna actccattcc tcagtgtctt 360

ttttttccc cctctataag caatttacat tgtaaatgta ttttgacata gaaaccattc 420

tgtattgaaa ctcttgctat aagatgtttt tatgaaagcc tgtaagtggt ccttggaatt 480

attatcagat 490

<210> 2563
<211> 510
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

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cttggtcttg ccgtgtgatg ggatgtgctt gtaaatccag tatcaaatca gctttgtgta 120

tatgtgtgtc tctggggtgg cttcttcctt ttgctggtca ctagactgtg ttgaacaacc 180

atgtgctgtc tgagcaggtc aggggctgac cgctacaggc ccctcagcgg ttgagcctgt 240

tgggggggacc nagctgctct tggacaagtg gctgagctcc tgtctggcct cctcttttcc 300

tcctcctcct cntcctcctc ctcctcctcc tcctcctcct cctcctcctc ttcctcttcc 360

ttctcttctt ccttgtcttc ctcctcctct ttctttaagt aatttgtgtg tatttctaac 420

tgatcgtatt gaaaaaaaaa tcctagtatt tcagtgacat gcctgttgtg agatgaacct 480

cctgtgactt ctgtctgttc tgtattgagg 510

<210> 2564
<211> 405
<212> DNA
<213> Mus musculus

<400> 2564

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ggtggtcagg aggatgcgaa ccagggatat cttagcagag gaagaccagc acgaatttac 120

aagttgtgct ggtgctgaga ccgtcaaatt tctgattcct ggcaaaaaat atgtagccaa 180

tacagttttt cattctgttc ttgctgggct agtgtgtggt cttggaacat ggtatttgct 240

cccaaaccga gtaaccttgc tgtatggcag ccctggggcg actgctgtgc tctttgtgtt 300

tgggtggata acactttgca taggagaata ctcactcatt gtaaacaccg ccacagagac 360

agcaacattc cagacccagg atacttacga aatcactcct ctcat 405

<210> 2565
<211> 201
<212> DNA
<213> Mus musculus

<400> 2565
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cagaaggaca gccaggactt ctcatcctat ttatcggatg gcctgcattt atcaccaatg 120

ggaaatgagt ttctgttctt aaacctctgt ccactgctgg acaagaaggt ctcatctctg 180

ccgtggctgc ttccttactg g 201

<210> 2566
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

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aaatgatagt tacagatggc tgtgagctgc cacgtgggtg ctagggatca aacttggctt 120

agtcactacg ccatttttcc agcttcatat aacctttttt tgtttgtaaa ttttacaagg 180

ggtgtgtgtg tgtgtgtntg tttgtgtgtg tgttagtagc accatattaa gtcttgttaa 240

aacatctgat atgcactgct caaaaatgag tacctcagag aaatgggatt taatgaagaa 300

accaagaaga tattataaaa acatccccca aaaggaatat aaagggggag ctagagaggt 360

gtctcagtgt taagaatggg aactgctctt acagaatgcc agagtgtgct tttcagctcc 420

cagcttgggt ggct 434

<210> 2567
<211> 383
<212> DNA
<213> Mus musculus

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<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<400> 2567
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gtgagccagc caagggctgg caggagctgg caggccacct cggntaccaa gctgaggctg 120

tggaaaccat ggcctgtgac caaatgccag cctataccct gctaaggaac tgggctgccc 180

aagaaggcaa tagagctacc ctcagagtgc tggaggatgc tctggctgcc ataggccgag 240

aagatgtggt ccaggttttg agctcnccag ctgagagctc ctcggtggtg tgagtgccgc 300

ctcccagggc tgcctgccct ggcctcatgt ctttcatggg cttcctagta cttctctggc 360

ttcagcttgc tgttgtggca gca 383

<210> 2568
<211> 396
<212> DNA
<213> Mus musculus

<400> 2568
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aacacagaga ctggaagtta tgatctgagt cctcaggaat ctcatgccag ccagatgtac 120

agacaggagg aacgacacat atgggagtca gtactctggt gggtggcact gatgtgacag 180

gtgatgggga acagaagaca caggttgcta ctgttctttg tgaagcagtc agcgctcgct 240

cggcactggt tgatttcatt ggaggtgagg gggcagtgag atagaaggaa aatggcctgg 300

gagaagaagc cttgagttct agtcccaggt tcacaattct agttgtgtaa cttggtaatt 360

ccttaagtca cacaagcttc acttttctca tttacc 396

<210> 2569
<211> 333

<212> DNA
<213> Mus musculus

<400> 2569
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caggaggata gatgtgaggt cacctcagca cctcccctcc tgtgccagac tgaggaaggt 120

ccctgggttc tcgtgggcat ggctgttcga ggaaaccggg agctgtttgc agccattggc 180

cctgaagcta catggatatc gcaaaccgtg ggagaagccc attttcttca tctcggtggc 240

tcctcctact ggtctcctga aggcagtgac ctctgccccc aagacttagc agggtctgct 300

agctccccta aggtcactgc tctgcttctg ctc 333

<210> 2570
<211> 468
<212> DNA
<213> Mus musculus

<400> 2570
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tctatcctgg aagattttta acaaagggaa aaaccaacag caataagtca ttggtgagca 120

gctaactcgc tcattgatga gcagctaact ctcacacaca tacacacaca cacacacaca 180

cacacacccc gacaccctgc ttttcataca gaactagcca atgtaaagat gactcacatg 240

taaatacttt tttccatttc acaccgttgt attataagtg tatatggcga ctccttttcc 300

agaaactttt cttacctgtt ggttgtcttg tttcctgggt tgtttttaac tgaagacaaa 360

attgctcatt tgccagaggg gacagaagca tcttgtggca tttcccatgt ggtggcctcc 420

atggcaccca ctctcccagt tcctatgcag gttatcccct gtggtttc 468

<210> 2571
<211> 366
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<400> 2571

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ttggtgaatc tctaacatgg aagccttccn ttatgatcac gtgcatttgg aactccgttc 120

attcataaac cacacttggt ggtcagctac ttgtgtgaaa tgccacaaag ctcactcttt 180

tcagttgcca tcttttcctg ttattttaga gtagggatca gatgctgtgt gctctttcta 240

gcagtaagta tagcctgccc actgtgatgc ctcactntgt gacctctcac ttgtgtgacc 300

cccagacttc tctcatgttt ggtatcattt ttttcttcct ttaaagtcct gtcttcttgt 360

acctga 366

<210> 2572
<211> 535
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

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gcctggatta ggtctggata gctcctggct cctcccaaca caaccctcac ctngttccat 120

cagtgagttg agaagggatg cattggagaa gaagaacaaa tagccaaaag tctgggacac 180

gaggtcggga tgcagctcac actgactggt cagttctaga gctgcctgga acacacccag 240

agtaggcctg agcccaggcg gcatggcctc cagctntgcg ccaggccctg gcagctctgc 300

tccagctgtg aaagggttac tgtccaggag agctggcagt gttgaataaa gagtctgggg 360

gaggaaacag gcaacaacca gagagtgaca atcaataaag acaatgggga attccatcaa 420

gggcttctgg gaaatgtagt ccattntaca ccattcccag gtggctccct gatcaatccc 480

ccatttcctc ggtgaatttc tagcaggtat taggctccct ggaagaatct gtcct 535

<210> 2573

<211> 476
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<400> 2573
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actctggggc gctgctggtg ttcttgagcc tgctgggctg gattctctgg tacaccggca 120

acatcgagat ctcgcgccag gagctggagc gtgactacgg cctacgaccc tcggcgattg 180

cccgcctggc gcgcaagctg tcccgtcgct ggtcggcgcc cgccaccgcc agtccccgga 240

ccacagccgg tntccgcntc agcacgcaga gcgaaccgcg cgccccagcc ntcctcntcc 300

ggctcccgcc gcgtgcgcct gcagctcgcc acgcttgagg cggggtccgt ggcggcaggc 360

acgggcagcg agtgagcccc agaccacctn atcctccgga cctgactgag acatgcagct 420

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<210> 2574
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<400> 2574
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accaggcaac gctggaactc ggagaaactt agggctcttc ccctgagtgt tggtgtgaaa 120

ggtgtggagc cagtttgcct cccctgagtt acttaacttt taatctctgg ctatggggtg 180

tggttgttgt tgttgtgtgt tttttgctgt tgtttgttta ttttgttttt caatcttttc 240

tattggtatt gcagatggat acatataaaa taccttacat agactaagct agtcaatgta 300

gccataaaaa cataagtttt aatgagggaa atgaactggg ggtgataagt attctagttg 360

atataaatct gttttcttgt gtttaatgac agttatttga gaccttaagt acgatgtttt 420

tgttacattc tttgtaacag gaagatttta gaaacaatat aatgggcctc agttaaagta 480

cag 483

<210> 2575
<211> 343
<212> DNA
<213> Mus musculus

<400> 2575
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tgctttaaga atagcctggg ctatccttat agtaagatcc tgtctcaaaa cacacaaaac 120

aaaacaaagt agaaacccaa agactagagt cagaaattac agcttctcat ggccaccagg 180

catttagctg tgtctggtca gaacggttgc ctgcaaagca cggggcttaa gaaaacccaa 240

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atctgtgtac cacatccctg cttggtgcct caagagtcca gaa 343

<210> 2576
<211> 522
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (297)..(297)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

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<222> (337)..(337)
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<222> (349)..(349)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (460)..(460)
<223> n is a, c, g, or t

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<222> (468)..(468)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgggtgacat gccttgggca aacattgcct ttatgaccaa gtgggtcaca tagtcaatct 120

gtccattctg gacagggaca cagcactacc tggatggctg ggtgactgca atcacatgat 180

cttgttgagt gccatgtgct gtggagagtg acaccactgt ctgtcaccag gtggcttgag 240

agcctctgta actncagcng gcatncgtgn cacaancatg agatntccct ncaccanccc 300

nnganccccac nctanccccn ngnnattntg ctgaggntcc ccaatcctnt ccttcccaga 360

ggacttgttt ctncantcac catntccttn tgcatcctgc tggtatcagg atnncccnnc 420

tggcgacanc cgtgaaacaa ntcactgaaa caaaccagan tcatggantc gncaatgtgt 480

atattacaac ctgctnccta gctcccttgt aaactttaga gt 522

<210> 2577
<211> 411
<212> DNA
<213> Mus musculus

<400> 2577
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gcaccatggg cctcctcaac agatccactc catttgtcct tccatccttg cctagaaaag 120

ttctgtgagg aatattcccg tgggttctga tgggccctcc caggagtgac ttaaattgtc 180

ctctgagggt caccttagta gttaagtatc tactgcagtg tgtctgcttt tgatgacagc 240

tttgtttcag agctccctcc aaggctactg aaatctgtat gtttatactt ctaaatctgc 300

ctgagtgacc ttgaaaaggg aaccagtgtg tttaggagaa aaaagcaaca ggatacaaac 360

caaagtctta taatgtggca gagttgaaca tatgttagtg tctccttccc a 411

<210> 2578
<211> 554
<212> DNA
<213> Mus musculus

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<222> (83)..(83)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (361)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
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<222> (423)..(423)
<223> n is a, c, g, or t

<220>
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<222> (507)..(507)
<223> n is a, c, g, or t

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cacaagtaaa atagacaant atgntcgtat tctcttncca gtcacatttg gagcattnaa 180

catggtcnac tgggttgttt attnatctaa ggacaccatg gagaaatcag aaagtctaat 240

gtaattttgt tgctatagtn atttcataac nacgatggaa atacagactn tcttttnaaa 300

tnttttttana ggtaantatt ctttactnnn natananatt ctatgtnatt ttttcactta 360

nnnanaatac nantcagata tggagagagt taattaactc ttcagtggct agaaagtgaa 420

ccntctttct ttatagaaag atagctttaa aagaatctat tcagtgttca aattggatag 480

aacacagagc attatggaaa gttggancaa gagaaataga gctaggagag atatgtggta 540

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tagtcctttg gcattttaac ccagtagaag acctcacact ggtggcagaa ggggcttttt 180

ttttttttt nctcttcagn tgtctccctc acttttgtc atttccacta gataaaacca 240

gtttactagt ggcctagaga ctcatatctg acaggggaca gatatttaaa tgctgatctg 300

aatgaggtgg aaattaactc agcagaataa cactctttgt acacncctca atacttttgc 360

antcctcctc tncccnttgt cattatgttn acaataaatc aaaaaagtac tctttcatgc 420

ttgaaccnat acaggctgaa tatccttttt ctgaaatgct tgggattagg actcattcaa 480

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<213> Mus musculus

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aaagacaaaa tttccctgtt tacttgcgtt tcctgccctc ctctttgctg ggccacattt 180

gagcttggaa aaagcttgaa gctgagatgt gttcttaagg gccagaagct gtcagggctt 240

ttggtgagca agattgatca cacccagact tccttcagag ctttgtttgg aataaaagca 300

agaaaactgg aaaaaccctt acattttcca aaatagcatc tctatctgca aggtaatgct 360

cagagctggt caaggctgga gaccacttta gagccaaacc ccctaactgc tagctagcct 420

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gagtgcaaag aacccggctg gttccgcgtg gtcttctcgg acaaggagaa ccggcttcgc 180

ctgggaatgc aaaggatgcg gcaggtgctt gaaggacaat ctcaagtggt agaagatgcc 240

tctccctgtc acgctcagga nccacaaagc cagcccagat gagctncccn attgcctctc 300

actgttcctg tgacctgncc ctgtggggct acaggagact gagtgtggat gcnccatttg 360

tcagtgggac tcacgacttg gctttgacct tgaaggactt tttcctgccc tctgctgaca 420

gtgggagtct gtttaaactg atattcatct tgggctgttg ctncccntgt attcaacagg 480

attaggatca gcaggatgac tttgtgaaca gtgtacagtt tggagantcg tgactgctcc 540

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aataaatgga agaatataaa gaagaaaaaa ctaagaaaat aaacaaaaat gtaagtgaaa 120

gtaagccata tgtgatggct actgcctgtg gtcagggctt gagaagctga ggcaggagga 180

ttacaaattt aaggcatctg tggtttcagn ggngactttg aagcccatct ggaccacaga 240

gtaagaccgg cttttgttct tcagagaaca taaacaaaag aaagtatatg ataattatgg 300

ggaatagtct cgtggattta aatatagaca aaaatacatt taagtttatc ttttgaagac 360

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ttgatgtctc tcttttaaac atatgtttac tcttccaagg tgacttatgg gactaagaaa 180

ggaagcaaag ctttttacca aaagtagact taaactttga gtttttacgt tgctgtttat 240

atctctaatt cagcactctt attgctgtag ctaagccttt tcgattctat attaagtaga 300

gttgaaagtg gagatctttc ttgagttctt agtagtggaa atgctgagct ctcccataaa 360

aatgatgtnc ctgaatggtt tgccatatat agcctttatt atgtgatgat atgatccttt 420

tattctgaa 429

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aagaagccct gtgacccctt cggtggctgt gaggccaggt tctcagactc agaagatgat 180

gtgaccagcc ccccaaaggc tgatgttagc agccccaagg ctggagctga ccctgaaagc 240

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aataaattag cttttcagag gaaaggntca aaaaaancaa ctcataatat tttgcttttt 180

tttnctttt tcncttcttn tcttttcttt tttgtttttt ttttttgttt tttgtttgtt 240

tgtttgtttg tttgtttgtt ttgtttttca nnanannann angtttctn tgtgttgctt 300

tgncncccnt ngaactcact tngtagacca ggctggcctc naantcagaa atccaccnnc 360

ctntncctnc ccgagtantg gaattaaagg cgtgcgataa cacncnaagc ccngcntntt 420

tgtttttttt tttttngttt tttnttttgtt ttttttagag aaacattttt tattccttta 480

tttatttgtt gttttcttca tatgttttaa attgtgttgt tttnccattg atatacaagg 540

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gcattaggtg ctgctttctc agacggcttc tccagtggcc tcagcactac cctagcagtc 120

ttctgccacg agctgcccca cgaactgggt gactttgcca tgctgcttca ggaagggtta 180

tcctttcgga agctgctgct gctgagcctc gtttctggag ccctgggact ggggggtgca 240

gccctggggg tggggctcag cttgggccct gtgcccctca ccccctgggt gtttgggacc 300

acggctgggg ttttcctcta tgtggcccta gtggatatgc tgccaaccct gnttnntcnt 360

cctgagcccc tgcctgtgtt ncangtgntt ntgcaggggc tggggctgnt antgggggggc 420

agcctnatgt ttaccatagc cctattggag gagcagntag tgcccacggt tcctgacggc 480

tga 483

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gagttccaga ttattggant cttattttaa tttatttttc tccgttggaa aataaaacag 180

gaaaaatgat ttaacatcca tctcacagag ttgcttgact gtttagttcc aaggtcctcc 240

tgttcagctt ctgttgctcg tcttgttcct gctctggctt gctttgttgg taacaatgct 300

ggacctggag ccgagcgtct catttacngg agcccagcgc tctgtactgc cacacacttc 360

tgaagttgga aaagtgtgaa gagctaggac ttgcctgatt cgctcatcgt tatttttttt 420

tcctctttag ctagaggtaa gtgtgggtgt gtaggaaaac aaatgaagac acctaatgta 480

catctattct gaattatgca aattagctct tactcagggt caactaaatt acttcacttt 540

gccctttag 549

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<212> DNA
<213> Mus musculus

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tagttaaccc ttccattttc aaaacatact ctcccacttg aacttaaaag ttatcaaaat 120

aaatagaatc cttatgtgac tgaagagaac tcaacgtttg gataataaat gagccttctt 180

cctaggcctg gatctctgac aggctcatgt gtgggtagat agggagcctg ggtgctgtga 240

ctgagggact aaattgctga caggggctgg accagacctt gttttgtggg ccaggctcag 300

caatggctgc tctgtgtgcc ctttgtggac cacatattaa gggtctgggt atttgaaagt 360

taggttccag gaaaacacct acagacagat aaacagttcc ttggtattac aacttttcag 420

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gtcacagtgg tttatgaagg gaatgagaaa ggttcaggaa aatactcaaa tccaccatcc 180

atgactgagt ttctctgcaa acagtgccca aaacttcata ttcactttga tcgtatagac 240

agaaatgaag ttccagagga acaagaacac atgaaaaagt ggcttcatga gcgctttgag 300

ataaaagata ggttgctcat agagttctat gattcaccag atccagaaag aagaaacaaa 360

tttcctggga aaagtgttca ttccagacta agtgtgaaga agactttacc ttcagtgttg 420

atcttgggga gtttgactgc ngtcatgctg atgacggagt ccggaaggaa actgtacatg 480

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tgtttcccca gctcactctg gggtgggctg aggcctctgg gacagctgaa agccagaggc 180

tttcccctgc gacaacacac caccctcagc cctgtgactt tggggaccca caggtttcaa 240

ttctgntgtt cacatggtcc tgggctaggg accgctctct tatcccgggt cgagttcagt 300

tcagncnaac tnctttttcc nntccacaag cagagaggga agatnagggg nagngggggn 360

tgggggtgg gggatgancc tcagaanntc agcgagactc aggtagtgag agagcaaaaa 420

cagtaagggc aaagaaagac ccagtttctt agggaacgca aatgatttat tatccagata 480

cttggatagt tccttttt 498

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tncaagtgat cttcaggggc aaagcatcna cnncntcntg ctttccctgc ntcagcctgc 180

aatggcatct gntcccnant tnttggcatc aacagntgca cagttcaacc ctgctttaan 240

ntcaanttcc ttggagaagg ggccgaactt ntttgctcct atatcnttaa gtcttntctt 300

aggtnagggt agtccaacta ctagtntggg atgatggcgn tcctagagaa gagcctgtgg 360

tgantntgna angtggtnna gcagtaccag aggntaggcc ttcccaagct ttctnagtct 420

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ttgtggtacc gagtgtccct gaggctgggg tggtcttttt caaacggtaa attgcagggg 180

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ttttttttn ncatgcaaaa tgcagcagag agctctttnt tagaagaacg gcattcntga 180

aagaatgctt gnggaaaaac atgcttgggg ggctgcaagg naagggtctc cantgtgggc 240

caccgtgcct ngagcccaga tgccngacng gaggaggagg caggtttaan tgtgacntca 300

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cagatagctg tctcacatat agctgaagct gtctgggctg ttcagcttgt ttcttgcctg 180

aatgcaactg acaagtggag agagaaaagc attcagcaaa atactcagga aacttgctga 240

ttttatgatg attcacaacc anccatncca aggccacttt tcttctgata atctactcat 300

gttaaagttt tcggggccat attaatatcc tnnnnaaaaa aaaaaaacta atgactggcc 360

tttcacacca agccaaagtg tttgctcctc atatcaccca aagcttatca tnttagaact 420

tagaattttg aaaatgaaag aaatgatata gtcaaaacaa gaataggaac agaagacagg 480

ataactctgg ctcgcctttt tttccatctc agcaccgtta aagactttct gagcagctgc 540

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tgtgcttcag tctcccagga aactggaatt acaggttgca attttgggcc tggctttctt 180

ggattcttct gaacagggca ggaaacaatg taacaataac ggtgggtgtt gtaggagatg 240

agccacagct cagaaatcgc cacagctcag aaatcgctga accggtcctt ctgctgggga 300

atggttttta ttgtgaatgt gatagggaaa agaatccaga nncatntgga aganttngaa 360

ncagagagag aagtagactg ngnatnggcg aggtngtctn caagacagng tgagagagcg 420

gggatggggg ggtgggggtg gggtggggaa atcttgcaga ttntgtcacg cccaaaagaa 480

cctggacaga tggccgtctg tggtgcctaa tcacatatcc ccattga 527

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ccctttctc ataattaaag attccccttc attctcattc caccgttcaa cacttcctga 120

gtttaacctc tgggggactc ttgagttgtt gtataaagca caccactgat catgtctacc 180

atgggagagt attttcacaa agtatctcac agagaacctg gaacatggga gccattctgc 240

aagtgtccct caaccctctt gtcacttgtt tgggagaagt aagagaatat cacatagaac 300

aaagatgaca tcagtgtggt tgttcttgac catccccttc tcagggattt tgatcaaaga 360

tttgtatctc attatcttaa gcccccttg gataccaaac tgaggctagt gtacatattc 420

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tcttactggc aagttcatct agtctgctgc tgtggcattc tttcactggt gttagaacct 180

acttcttcat gactgaagac tagctaaggt atccagccat gtggactgaa taactactaa 240

atttatggcc ttttttttt ttttggagca agagatattc attgttggac tagacagaca 300

acagcctntn agccactcta ataaatnacc tttagnanaa tattctttcn atcagttctg 360

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gtaccctgcc tggacagctg acagggcttg agactgcaca catggcatcc cgattgctcc 180

ggattccttt aagggcctca agcttataag atggaaggga actcatgtgn ccacactttc 240

ctttggnngc caaganaaat atntcattcc ntcccacaga tccttaccca gggntgcccc 300

atgcctaagg acntcagcag tgatggttcc cctgactgtc aggagcactn ttgtggntgg 360

atgacaantc cntccagatt gttgtagant ggaccagctn tccatcttca gccacgcttt 420

ntgacagcta ccttccctta tcattaccca agagggtgtc tccttttttnt cttntctcat 480

agccctttat tgactttcca tgtg 504

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gtcatttccc tccagtacac caggggacaa acagcaatta attaaaagcc tacaaaatac 180

ctggcctaaa ccgtcactgc ccctcttgtc tcacacaaca ctgaactagc acattgggcg 240

acagcctgtg cntagcagtg agaaatcagg atttactcta aagatttcac gagaattaaa 300

tcatcaacaa tttgattaca tactatcatt ttatagagga gatgaggcag cttgaaagga 360

gtaaaaattg gttcacttta tttcctttta tcattcagct taacttgagg gtgccaaagc 420

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ctgtcctgtg caaagggtat gaaatgaatg tctcagaagg aaaacgccct ctgttaaaga 180

ttctacaggc ctggtggact gattagaagt tcatggttgt ggagttggga tgttgcagat 240

acagatgtca tggactatca ttagcctcct tcaaagccat tctttgcccg attgtctatc 300

tgacttaatc tccatgtgac taccatgtga aaactttgga aatgtactga cagacaacta 360

gctttcccaa gccaaaggct aaggatacca tctgatacca tgaggcctac agcagaggtt 420

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ttgcaaaaag atggtgtatc tcagagggca gaaaantggg actnagaaaa ntagaagggn 180

aagcagtgct ttttagatat ctgtcaccaa atcccttaag tggaaaatgc agaggggtgt 240

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acagttccag gatgtatcca ggactgggct tcaggaattt aggaagtagt ntactactta 360

attcagaaaa ttaaaaagat ttttngttag caaaagtggt tcaacttttt ttagggtgtg 420

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tatctcttat tgggaaaatt gatttatttg tacacaaata tggtgttatt tttagtatgt 180

aataaatttt gatcatcagg aaaagaattc tgaatgaaat gaatatggac tgaaattgtg 240

aaatgaataa attttattga tcattacatt tttaatgact taaattttga tgcttcttta 300

tagtatgagg anataatngt ntaatatgga tacagtttgt gtccagtata taaatatcac 360

ataattccaa ggcttgtcag tcaattcagg aacattccag attatgttta ttagccttct 420

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atggatttaa agttagagga ctccgggttt ctaaactttt aaacgactgt gatgtggtgt 180

ggtgttgctg ttttctgcca agattcacca atgtaatatc attttcctta taagccagac 240

attgtttctt agaacgttct ttttaacttc tttttctcta gtgttgctac catggtttag 300

anntcatgat cnnancattn tnaaatttna gacatcttnt cttacatttt ctggaggttt 360

naaatcatcn ataatgtgna nagggttaga cttnataatg gttaatgtcc tgtttntcaa 420

attttntgat ctnaggtann tctagaggta caaatttgga taattctttt tttttcctcc 480

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tccacctcca gctgagagtg ttaagtttct ggctgccttt tcttgcactt gcccagctca 120

gagttggcct ctttactgtt gctcatgtct tcacattgct tcgtctctat ctagttatgg 180

aatcccatct ttntgtttcn ttttctatta ggaaaaaaaa aantcagtca ctccctcagg 240

cnnnnnnnng agcnaatgct atgtatttca aggctactga aagagcttcg gctattccag 300

gaatgaataa gtagagacan tttctctcac agatcaagtt cctccttagg ggcaggatta 360

aaggaccccc accccgctcc gatccagtca gcagttctgg ctactgctac tcttgcttac 420

cgatag 426

<210> 2606
<211> 412
<212> DNA
<213> Mus musculus

<400> 2606
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ggggtcctgt aagtgggtgc aaacacttgc agcaaagcat aacaacttga atttgatctc 120

tggaactcac ctaaaactgg aaggaaacca atcccataaa gttgtgtact gactccatac 180

gtgccacgtc accgcccccc atgtacacac tgtaagcaca cctgctaata ataaaactag 240

ggtatttgct ttcagagtcc ctcctactcc tgaaagttca agaattgctt ttaaccatac 300

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tgtccttact ctgcaatcaa gaanctggag tcaagaccct tattccatgg gtggctttnc 120

ctccttcacc ccctaccagt atgtggacta tgcccaggaa ctcagtcagc cagaagggct 180

ggtcttcttc gcaggggagc acacagatct gcctcatggc tggatcgaca ctgctatcaa 240

gtcaggactc agggtggcaa agaacattca ggaatctgtg gacttggctt tgncaaggaa 300

ccccagnnan acnaaagaat anttntccaa aagtganctn tanacaacta tacggncccc 360

aggnantagg aggnttctaa acaagtttgt ccatcaggag acaatgcaaa acccactctc 420

actcatcttt nccttcgctc tgagacttga cctgaggccc acgactggag acctaaggtg 480

actgcctgtg accttggatt tatgaca 507

<210> 2608
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<212> DNA
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<223> n is a, c, g, or t

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tctggtgact gaccagtggc acaagaccac agagttgctt tctgccccag aggactgaag 120

tggttggctc cattgaggac agaggctcaa ggaagacagg gtagcttgga agagacatct 180

gccctagatc cagctcacag gggttaactc agaagtttcc agacttaact gggagtcaga 240

cactatacag tttccagaag aagaagagca gagaaggctt tgggaaacaa gntagtgaaa 300

gacttctgag cccaatgcta aaatgtgctc tgtacaaggg gcagctcgta gggaggaccg 360

tcatctacct taaagctgct gtccatccag agcctacaaa gagctctcag agctcagtac 420

tgacaacatt cggtcaacaa taggaccaga cttggtaaca caggccttta accacagcac 480

tgggcggcag ag 492

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<211> 562
<212> DNA
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cccatatagg ttgtccagta cagagcagtc agtcagcctt gnnatcatat atacncnnac 120

aatnnaaang ntagagtnta ttngtgcatn tacataaatt tatatattta nntatatata 180

tatataatat aaatatnana aataaaaaag ttttttcaat tannaaaaaa gacagaggct 240

atcaacttga gaatagaagg ggaatgagag ggattcaggg ataggtcact aggagggcct 300

gganagagaa gccagataag tgatacagtt ctatttnaac ntatnanatg aaaatanata 360

tatatatata nnanacatgt atttanaaag acattgttgn tcnnaaaata tnagncnanc 420

nnatnnnaaa catttaacct tttctttttc tggtgaatta aattaactaa catttgatta 480

ttgaaataac ttccgagttc tcnaaatact catacagtca aggaatttaa tgtattttgg 540

gtctgaatgc aatgaaccac tt 562

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (470)..(470)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcccagaaaa acaccacatg tctgttttca gcaaaacacc ctgccngcct tagtaaaaca 120

ttctctcata tgacagtttc cagaaaaaca tcacangana caactgtgtc tccaaagaaa 180

ccagaaatgt ccacttcacc tgtgatcttc ccagaggttt aatactgtgt tgctaaactc 240

tctttaacac cagaaactga gttcaacaga ctgtatgtgg taactattcc ttcacgtccc 300

aacatcagat gggtaaacag aagatgagtc cagtgaatcc ttaaactgtc tcatggcaaa 360

agaccggata gaaaaaaaan ntaatgtttc acctaaaagg ctcattttat tttntctaat 420

tttttaattg aaaaatgagg gggttttccc taaaatatac tctaatcatn ttttcttttg 480

tcttcatata atctntagga gaaaaaaaaa accctcatat tatctcagta g 531

<210> 2611
<211> 471
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

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<222> (201)..(203)
<223> n is a, c, g, or t

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catcttggaa agtattatgt ttacagagtt ttgatttaat cacaccttaa actttattat 120

gcacatgggc ttgagttaat tatctccagg aaaagtttgc tgaattgtgc tgtacttaaa 180

tatgcctaaa aaaaaanaaa nnngaaaaaa aaaatctacc tagtgtccga ttcctaaagt 240

gtgaaccaac actgacttct gagtcctgtt gaaatgaact gctttcttac ctcctccaat 300

gttgctctgc tggccatggt tgcagatggc tctgcaatac cagacattgt cttctcatta 360

gactattttt agttgtgggt atgcgttttg tattttagct tcattgaact acatgcagta 420

ctcttctgag gaaatgacaa aggggagatt aatatttctc acgttcacta a 471

<210> 2612
<211> 315
<212> DNA
<213> Mus musculus

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<222> (142)..(142)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (194)..(194)
<223> n is a, c, g, or t

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<222> (241)..(242)
<223> n is a, c, g, or t

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<222> (251)..(251)
<223> n is a, c, g, or t

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<222> (253)..(253)
<223> n is a, c, g, or t

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<222> (271)..(271)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccccagcact ttggtccagc aagggcagga gaggagagct ggaaactggt agagctgtgc 120

tacctgctac ctcctgaggc tntcagggag caggagaatc tgaacatgag tggcaagagc 180

tgggtactga tntntactac ttcgccccag agcctggaag atgagattct gggacggctt 240

nntgaaaatt ntnttcgttt tgttcgttga nttaatgtcc attatgtatn tcgtcataac 300

gtcctagcaa cctga 315

<210> 2613
<211> 432
<212> DNA
<213> Mus musculus

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<222> (312)..(313)
<223> n is a, c, g, or t

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<222> (317)..(317)
<223> n is a, c, g, or t

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<222> (331)..(331)
<223> n is a, c, g, or t

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<222> (336)..(336)
<223> n is a, c, g, or t

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<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

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<222> (407)..(407)
<223> n is a, c, g, or t

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acctgtgcaa gccagcgccg ccacgctttg tttactttct tgccgctcat gtgtagtcca 120

cacgtgactg gtccagaaaa agtgcgtgag cgaataattt gcgtgatgtg cacaggatcc 180

gtgcgtcttt caggctggcc acttaattca aacggagtgg ggaagcttcc tggaaggagt 240

gtcctcagga ctgagtctca agagatacag tcttgccctg ggttttagag tagccactgt 300

ttccctctcc tnngggnata gattgacttt nagacncagc agctgattgg aggcacancc 360

tcctctcctg tttctccttt tattgattgc ctccaggtct cttngtntga gctgctttcc 420

aggtgttcct ag 432

<210> 2614
<211> 236
<212> DNA
<213> Mus musculus

<400> 2614
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tatgcgtgtc cgagcctcag acgacaggct gtccgttgca tgtaaggcgc cacgcctgtc 120

tggagccaag agcccacgaa gatctcgggg ttttcttctg ggctacgggg aaagtggccg 180

gaagatgaat tatgtcccac tgaccagaga tgagagatca catgtagctc attgat 236

<210> 2615
<211> 530
<212> DNA
<213> Mus musculus

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<222> (461)..(461)
<223> n is a, c, g, or t

<220>
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<222> (464)..(464)
<223> n is a, c, g, or t

<400> 2615
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caatcctagt tgatagttta tgtgagaacc atcacacatc taccattatg caatgattgt 120

taaattatac gatgatagct ctagaaaaac atatggtccg cgcttgtata caaagatact 180

gttatacaca ctttgttgaa tattttgtca gttgtattta caacagatac tttcttaaga 240

gaatatgttg ttagtttttg atattatttt aaagtcaaaa tggtaaagat tactgaatat 300

tgtattttag tcttgatcaa taaaaaataa ataaagagat tttttgaatt tcaagaagat 360

tataaatgaa agcaagacaa caatgtattt tccgagtctg caggagaagg aagcaaaaca 420

tgttctagtt ttatagctgc tgctttgtta agcaaatgag ntgnttcaca atattcaaaa 480

tattttgttg tgtcaaactg gaccagtgca ttatgccttt taccttaaat 530

<210> 2616
<211> 456
<212> DNA
<213> Mus musculus

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<222> (320)..(320)
<223> n is a, c, g, or t

<220>
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<222> (329)..(329)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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aatcagccgc tcacagtcca ggtggtcttc tcaaacccgc tctcagagcc ggttgaggac 120

tgtgtgctga ccttggaagg aagtggtctc tttagaaagc agcagagagt tctcattggc 180

gtcctcaaac cccatcacaa agccagcatc actctgaaga ccgtcccctt caagagtggc 240

caaaggcaga tccaagctaa tctgaggagc aataggttta aagacatcaa gggctacaag 300

aacgtgtatg tagacattgn cttataaant ctgagacaga ggctggagag atggctcagc 360

ggttgacagg atgtgacant cctttgcaaa ggacttgggt tcaattttcc agaacccaca 420

aggtggctca caatcctctg taaccccatt ttcagg 456

<210> 2617
<211> 323
<212> DNA
<213> Mus musculus

<400> 2617
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atcttctgct gcgggacttg tggcttccgg ttctgctgca cgtttaagaa gcggcgactg 120

aaccagagca cctgtaccaa ctacgacacg ccactctggc ttaacacggg caagccccca 180

gcgcgtaagg atgacccctt gcacgacccc accaaggaca agaccaacct tatcgtctac 240

atcatctgcg gggtggtggc tgtcatggtg ctggtgggca tcttcaccaa gctggggctg 300

gagaaagcgc accggcccca aag 323

<210> 2618
<211> 321
<212> DNA
<213> Mus musculus

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<222> (32)..(32)
<223> n is a, c, g, or t

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gctcttctcc ccagatgaat tctcatagta tcacagaagc gcgcagtccc gatcgatact 120

ggatggcaga cgtgctcccg ccgtcaagtg taggcacagg gcggtggatt tagctgccct 180

gcagttcgct cgcagcttct catcagctca gtactggcgg agggacgtta acccgttccc 240

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cctttcagag cgacgcccag g 321

<210> 2619
<211> 543
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (69)..(69)
<223> n is a, c, g, or t

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<222> (76)..(76)
<223> n is a, c, g, or t

<220>
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<222> (274)..(274)
<223> n is a, c, g, or t

<220>
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<222> (320)..(320)
<223> n is a, c, g, or t

<220>
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<222> (343)..(343)
<223> n is a, c, g, or t

<220>
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<222> (470)..(471)
<223> n is a, c, g, or t

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tacttttana ctgaancatg taacttgtct caaccccaca aaaaatttca aaggaaaact 120

gtacattaga gcagcatatg aggaaggcac tcccacacag tattaagaat gaaaccaagc 180

agcttgtatt aacagaagga gcagtcttct ccttacctgt cttacataac caacctcctt 240

actcatcaaa tattcagctg cacccctatg tcantgtatg ggcttagtat acctcaacta 300

agtaatacaa agaaataaan aagtgctatc tcctgtaggc atncttggga cacccaatac 360

ttggtgtcaa gacactgatc tgagctaaat gtctacaact tttctctatt aaaagaccga 420

ctttccaaga gttagcaaat tctccaaaca gttctatact gaaaaactan ntgaagttgt 480

gtagtgtcga attctggttg ataactttag ggacaaccgt tggctcacat ccacagtatt 540

gga 543

<210> 2620
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ttgtgatacc gaaagcggac caggacttgg cggacatgct gggagtgttc ctcctggctc 120

attgagtaga ccaggacctc tctgccatgg caaatcacaa acaaccctag gatgtctttt 180

aggatgaagt gaacaatgtt gttcccttcg tcagagtatg agttcattgt gaagggccgg 240

tagnatctca tntggtgaag gccgaaaccg nacgatgntc tccaagtgtc ttccgtgtgt 300

gtgaccgtgt gcctcatctc actttcctta atcccaagca gctccagttt tgtgaaccat 360

gccgctccat gtagctggtc gaatagctct ggtaccatct gcgtgtagtc ttgtctgtca 420

gtcagcatgt catacagtat ccagtattcc tcttgctccc tggctttctc ttgctgcctg 480

gctttctctt gcatcctggc gctcacaggt tccaaagtct ctcgggc 527

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<211> 543
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (393)..(393)
<223> n is a, c, g, or t

<220>
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<222> (433)..(433)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 2621
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tggtgcgaag gtaggcacat aattggtgct cctgatgtgg tgatcaaatg gatacgtagt 120

cagtgctctt aactgattat gtagtcatga tgggtgcttc ggtttgaacg aagacacata 180

ttagattctt atgatctttt aatacatgaa agggatttag gaagaggtcg gttcaccagg 240

agtaaggcgg ggataatgcc cccccacccc catttcccct gtgtggataa tgtcgcagtg 300

ctgccgggtt naatattann tgncagatng acccggagaa ggccagctct gggacctaaa 360

gcttgcttcc aggaagagnc tgttaaaggn ccnccgaaca tcactagagt ctgaggcgag 420

ggactgcaaa gcnccctctc ccggcatctt gaatctgcaa tttagttatt ctgttattct 480

gttaacccan ccctagtgca gtatctcacc taagctgact acaggaactg aggcacatcg 540

gta 543

<210> 2622
<211> 458
<212> DNA
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<220>
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<222> (340)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

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agacataggg ctggacaagg agctgagagt tctacatctt gatctgcagg cagcagaagc 120

aaatgtgtcc acctggatat agcttgagca tatataagac ctcagagcct gcctacacag 180

tgatacactt cctccacaaa gcaacaccta ttccaacaag gccacaccaa ctaaaagtgc 240

cacacctttg gccaagcctt caaacacagt agtctatggg ggccattaca tattcaaaca 300

accacactgg atgaataaat gaataagtgg actgtggagn naaaaaaaaa aancctggat 360

gcctattcag ttcttgtgct tactagatat gattttcatt agtaatctat catctctgaa 420

cctatttgct aacctctgaa tttaggtcgg ttccctgt 458

<210> 2623
<211> 457
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (275)..(275)
<223> n is a, c, g, or t

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<222> (300)..(300)
<223> n is a, c, g, or t

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<222> (315)..(315)
<223> n is a, c, g, or t

<220>
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<222> (371)..(371)
<223> n is a, c, g, or t

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cacagggact cctgctgggg catcttgcta ggaggtccac gtgctcccgt gctccccacg 120

tggatagatt agatgtctgt gggaggactg cccagaaact gttgcacctt ctgaaatgac 180

aatgcaaggt gccgaagggt aaaaatagcc ctggatcaac acatgagtca atggctgtat 240

ttaaccaatn ttctgtnagg gaacaaaaaa ncctnaaaat gccaccatgc tgaaaataan 300

gggcaattaa agcanaccga accgaaccca tgatatgact tgtggcagcc aagtgttctc 360

cagaagcctc nttcttggag agctaattgc acggggtttc cagtctttag cttccccctc 420

aggtttccta ctgagccctt tactctttta tatttga 457

<210> 2624

<211> 565
<212> DNA
<213> Mus musculus

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<222> (357)..(357)
<223> n is a, c, g, or t

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<222> (359)..(360)
<223> n is a, c, g, or t

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<222> (362)..(362)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (364)..(366)
<223> n is a, c, g, or t

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<222> (368)..(368)
<223> n is a, c, g, or t

<220>
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<222> (420)..(420)
<223> n is a, c, g, or t

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<222> (466)..(466)
<223> n is a, c, g, or t

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<222> (484)..(484)
<223> n is a, c, g, or t

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<222> (512)..(512)
<223> n is a, c, g, or t

<400> 2624
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aggtccctcg gtggcagaga atcttgtcac tgaggaagct gccctaagtt taattctcag 120

gatgcatgtg gtggagagac ctgactcgtg agtagtcctt tgacctacac acacacatag 180

acacacatac acacaaacca tttaaaaaaa aaaaaagctt gtttcggaaa gaataggagg 240

ttctgagtgt catgggagaa ggggagtccc acagtcctgc atggaggaaa ggtcaggcct 300

aacaaccagg ctctctaccc taggcagatt tccgaggcct tcaacaggcc ttggtgnann 360

cncnnncncc cttacccccc ccaccaccac agcaccacag ggatcccgtt cctttttttn 420

tgccacaggg taagaactga gattcttgac cacccgctta ggcatntcac agggagaaag 480

gttntcaaag cccagcaagg gcttgctgta antttcccta cagcaatgca ggcgccaatt 540

cccaccttat tcctggttac gatga 565

<210> 2625
<211> 145
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
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<222> (33)..(33)
<223> n is a, c, g, or t

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<222> (39)..(39)
<223> n is a, c, g, or t

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<222> (50)..(50)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<400> 2625
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cgngtccatc cagatgaacg tggccgaggt tgataggacc acaggccggt ttaatgncca 120

gtttaaaacc tatggcatct gcggg 145

<210> 2626
<211> 489
<212> DNA
<213> Mus musculus

<400> 2626
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aactcccaca taattatcat gggagtctca ataacatgag agggagccct cttgtacaaa 120

tgaagatatc agcaaacagc aagcagtaat cactggaagg tgggagagag gtgggggacc 180

caaggagaaa gccacactct ccgcccctgg aagacagaca gggagattgg ggtgtgtatt 240

attataaaag aagatattga ccatggtatg aggcagactt gcaatggtat cttgcacttt 300

tgcctcatgc cagctttctg cacttcagtg tcctctcctg caaggcagcg ctaaccataa 360

gacctcctcg accatgagta gtgtactttc tacacgtgaa ccttttgatg cacttgcctg 420

caactgagag ttcagctgag acttaagagt gactaaggaa gcattagtga cagtctctaa 480

gccagcctg 489

<210> 2627
<211> 459
<212> DNA
<213> Mus musculus

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<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<400> 2627
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gactaggaaa gcctcagaat ggctgagcat gttcacaggc acagccgagt agtagtgcct 120

agtgactaca gtggctgttg gctgcatgtt gacactggag gtctcagtag cagtgtgtct 180

ctctctctca tgatcttgac atttctttct agccatgccc ttccttgccc tttacctacc 240

tcactggggt ctatgctcta gctgcttnag cctcagtacc ctgaccaggc ctggtgcctt 300

aggagcctnt ggctgctcct tggctgttcn tccccacggt gcactcctgc cattgttgca 360

ttgttgtgcc attgttgcag cccctatgct ggcatcagtg gcatcagacg ctgtccagtc 420

catgtggcct tcaaaaggac cagcactaag tttgccagt 459

<210> 2628
<211> 502
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
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<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
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<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (387)..(387)
<223> n is a, c, g, or t

<220>
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<222> (394)..(394)
<223> n is a, c, g, or t

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<222> (398)..(398)
<223> n is a, c, g, or t

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<222> (413)..(413)
<223> n is a, c, g, or t

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<222> (416)..(416)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (427)..(427)
<223> n is a, c, g, or t

<220>
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<222> (429)..(429)
<223> n is a, c, g, or t

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<222> (436)..(436)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (475)..(475)
<223> n is a, c, g, or t

<400> 2628
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attgtcgaga ttgggtcgtc tttgagattt ctggtgtggt tgtgtgtgtg cgcgcgcgtg 120

tgtatgtgtg tgtaggaagg ggggagccaa cgcggatggc ggtggagaaa ggcaagctga 180

gaaggcttgt cttattgtat ccagaggcag tatgcctcgg gttcttggaa aggtggctgg 240

ttagagccgg acaggcagct tttccaagtg cctttgcgat ggcccttccc ctcccccttt 300

ggtagctgtg taattacaca cccatangac ttttncaaat ggtatncctn gtntggtggg 360

aattntncag ngggtttttg aagaccnttt cctncctncc aagaagggag canttntggt 420

nttttgntnt ggactnttcg tgtgagtggc accttggcca ccntcgagga ttgcntcagt 480

gctgctgcga cccaggcaga ga 502

<210> 2629
<211> 417
<212> DNA
<213> Mus musculus

<400> 2629
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attcttttta agactaaaca gtactccatt gttgtatttg ctacattttt gcttatatgt 120

tcatctcttg aagggccctt gcactgcttg cactttgggc tgattaaaat cgatgtaaaa 180

ttgtctttaa aaccttgcat tgtctgcatt tccttggaac atatgcctaa tagtgaaatg 240

gttggtggtt tttctagctt cccggggaac tccaggctgt tttccataga ctgcaccatt 300

ttacatccca ttaggagtgc tgaggcagct tccctgcatc cttgacagtg cttgctcttt 360

ctgttttcat tggcagtggg agtaaaaaag gagtgtccaa gggcattcat ggttttt 417

<210> 2630
<211> 435
<212> DNA
<213> Mus musculus

<400> 2630
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tagaaacact ccttgctatt cttcaggact cagctctgct gctatctcca ggaagagacc 120

tggcgccccc aggttgggcc acagtccctt ttctgagtgt gcatgcacct tgtttctcgc 180

ttagtgccag ccagccagtg ctgtcgtcac ctgtgcttcc ccttgagagt ttggagtgga 240

gctcagaggt agaatattca cttagctcac acggtatgct cagccccctg ttctgtaatt 300

cgacaacaga ttgtccattt aaacagctat cctggactgg agggatggct cagtggttaa 360

gagcacttgc tgcttgggtt caattccagt cagggtggct cacatctgga attccaattc 420

tgactctgga ctggc 435

<210> 2631
<211> 539
<212> DNA
<213> Mus musculus

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<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<220>
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<222> (474)..(475)
<223> n is a, c, g, or t

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<222> (480)..(480)
<223> n is a, c, g, or t

<220>
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<222> (486)..(486)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (492)..(492)
<223> n is a, c, g, or t

<400> 2631
gtgccctgga ggttcttgga agacttgtaa gaagatacag aaggtagagg aaagagatct 60

tctgagcttt actggcccta aatggctaca gaaccaagaa agccttcttc agccccatct 120

ccaccagacc aggctcctga agaggatctt gtcattgtca agatagagga ggatcatggt 180

tgggatgagg aatccggtgt gcatgagaac aacacacctg gccaagaact gtttcgtcta 240

cgcttcagac agctctgcta ccaggagaca ttaggacctc gggaagctct gatccagctc 300

cgtgcatttt gccatcagtg gctgcggcca gacttgaaca gcaaggagca gatcctggag 360

ctgctggtgc tggagcagtt cctgaccatc ctgccagggg agctgcaggc tctggttaag 420

gagcaccant tacagaatgg agaggnaggt ggntaanccc tattggagga nctnnaaagn 480

caaatnaatg tnctagggcg gccagtaagt agctgtgcat gctgtgactg aattcctga 539

<210> 2632
<211> 366
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<400> 2632
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taactatctg tgcaggtgcc cactaagccc agaacagctc ccctggagct ggaataaagc 120

agctgtgagc caccaaagtc gagccctctt caagaacagc aagtgttacc caacccagat 180

tcatccctct agccctggtg tatatgtgct aaggtccgga aagtggtngg taaagaaagg 240

ctaatggggc cggacatgat ggcccacgtg tttaatctca acactaagga gatagagaca 300

ggcagagcta gcctggtcta taggaagttt cacgcaagcc agggctactt aataagaccc 360

tgctaa 366

<210> 2633
<211> 517
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<400> 2633
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taattatgaa anggtgcaga aactttgatc gggcaacact ctgcttctta ggccgggtgt 120

tagctgtgaa atgagggatg gactcgatat ttaaggtcct tttcagctga aaaactctga 180

ttctaagatg tacttcaatt ctgtcaatcg acagctctgc agcttttgaa ggacttgctg 240

gagtccctcg aggaagaagg ccaactttaa tcccttagag ggagatggga gttaatttat 300

aaaacacaca acactagctg ctatcaggtt ccaggtacag cgcagtgcgt tacctaagca 360

actgataacg gcttgattcc tccaaatgag tgctagggag acgatgatat aagatggggg 420

ccagaattca aaatgaaaaa ccactgggct aagagaaaaa ttaattatta gggtaggggg 480

ctacttgccc tagatgctag gtactcacaa actggat 517

<210> 2634
<211> 509
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (472)..(472)
<223> n is a, c, g, or t

<400> 2634
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acaagccatg ggacccattc ccagaccggc tccagtgcct caacctctcc actgtctcca 120

atgagacgtg ccgggctgtg tttcctggaa gagtgacgga gaatatgttg tgtgcaggtg 180

gagaagccgg gaaggatgcc tgtcagggtg actctggagg ccccctggtg tgtggagggg 240

ttcttcaagg tctggtttcc tggggatctg ttgggccttg tggtcaaaaa ggtattccag 300

gagtctacac gaaggtctgc aaatacacgg actggatcag aatagtcatc aggaataact 360

aagtgactcc ctcagcctgc atgcagctct gcttagggac cgctctgacc ctcggagcac 420

caaggtctcc tccctcacca ntccaggntc ccacccttgt gagcttagaa cntcttgaaa 480

cctcgactac acccatggca gcggagagg 509

<210> 2635
<211> 434
<212> DNA
<213> Mus musculus

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<222> (153)..(153)
<223> n is a, c, g, or t

<220>
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<222> (245)..(248)
<223> n is a, c, g, or t

<220>
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<222> (327)..(327)
<223> n is a, c, g, or t

<220>
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<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

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tgtgtttata taataaagta tatttatttt ttcatgttat ttaatttcat aagcaatgtt 120

caaaaactag catgtgtaag ctgactatgg agncaatagg ctacatgaat tagaaatgaa 180

tgtatgtttc ttttgattaa aaatatacat atatatatat atatatatat atatatatat 240

atatnnnnta attttgtaaa ctctgtcttg ttgcccactc ctaaattctg agcagccgtg 300

tattaaactt cgtgtcgttg actaggntna agtgtgcatt tngaaaggtt actttnaaag 360

aattccgaat cagaagtgat gatgagtttg ataaacaaaa atttgtgagg cctaacattg 420

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ggtaactaaa ctgcnactta ggcttagacn gggcctaagc atggttgtct ttggtcctag 180

acagttgtcc ttggactggg atctaatgaa agggaaagtt gatgagtttt ttttttttgt 240

tttctttttt tttttnaacc tcacaaaatg ctgagggaag ctttgttcct gtgtgtgtag 300

tatggtctcc cccgcagcac tttcagtaaa gaggtggact gaagcctgca gtggtgccca 360

caccttttaat cccagcactt gggaagcaga ggcaggtgga tttctgagtt caaggccagc 420

ctggtctaca aagtgagttc caggacagcc agggctatac agggaaaccc tgtctctctt 480

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tatttctaag gcgtcatttg tattattgtt tgtgtgactc ctggctcctt ttccctctcc 180

ctgcacgggt gactgaacct agctgctcac ataagacaga caagcctttc ccaccaannn 240

ncttcctaac tctcttttaa cttttgtttt gaaataggag gtcaccggcc gtgaactcat 300

ggctcctctg cctcagcttc ccaggtagcc tgggtgacag gcctgtgcca ccgggcctgg 360

ctatgactct gcttccgctt tctcaanggt cccntttgct canntnntga tgacacaggn 420

caaccnatnt cacagaggac ntgggggagg gggannntntc agttttgant nttgnctcag 480

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cagacccgtc cccctgccag aggaaccttg gcancagcag gagccagagg acatgcgcca 120

gctggagagg cagcaggaaa acctgaagat nttccagagg atgctcaagt agaggatgta 180

agaaggcgga ggtgctgact cacagatgat aaatacattt agaaggtgct gcattggtgt 240

cttatgggtg tgaactcctc tgaggtcaaa gcagtccact gccagtggat gtgtcccaac 300

acttgtgcta tgatgtgaat tgtccttgga aagatctcaa ctaccctgcc tgtcttttag 360

catgcctttt tggatgtggt gctaagtgtt agcctataca gaagaaacct gggtacacgt 420

gatccccaaa tatgt 435

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ctgccttacc cttaaatatc aatggattcc ctcttaccca aaagctgggc aataaacaca 180

taaagcaaag aaagataaac tttgaagaaa ggggctgggt gttggagaca ggaggaacac 240

atgttataag gtaaaaacag gaaaataact ccctcagatt agaaaggcaa gaaaaattct 300

atgatgaaac aaaactatat ccctaattaa cttaggaatc ttcaaaatat gagctagacc 360

tcttggaggc agaatctgta ggtagaaata aaaattcagt ggaagggaag agacattaaa 420

catcctagaa ccagcacaca tatgcacact gcacacgctt gaaataacaa aaagaaagcc 480

aggcatggtg gcgctcctct aatcccagca ctcagaaggc agaggtaggc ctgtctctga 540

gttt 544

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<212> DNA
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tacattaccc ctgactgtgt gccgatgggg aagctatgtg gcacagcatg gagcagaaac 120

acgtaaggga aggttattca attagcatat tgatatcacc catatcacat aggatgaaat 180

gaatttctga catttgtttt taattaataa tttccacttg tttttggccc aggactccta 240

tgtgtttact gcacatggct ttccccaccc cccaattaga gggtagattt cacccttat 300

ctttgcaggt aacagatcca agacattttt atgtanatgg actaattaat tggtagcctt 360

catttgaagc ttaaaataaa agtaatcctt ttggagaggc attagctatt tctaaagcca 420

caaacaattn tcccttaagc accttgttac aattagaact taagttaaca gcagcagaca 480

taatggaagg cgttacccct tacctaagaa ccttgttttc ccagagtgat 530

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gaacatagcc aatggtaata gtttcatctt tttatataag gctctcaaga gaagctatca 120

aaaatttaaa tatgatgcca tccaaatatc atttcatttg tgttttaaat gaagacagct 180

tttaggagtt gaaacttcta cgttataaaa taaaatgcat tgagtttctt tctctctttt 240

taactttctc ttgtacttaa aaatatgtgt cttcatgact gtatggnaga tggtntganc 300

agattnttcc tttnagctcc ctgtgtgtna gnaaaaanat cagagacatn ttntactgca 360

nagctcaggc acaggaccca agctnacatg gtgacatntt tctgccagaa ggactccttc 420

agntntttag gatgttcccc cagaatcctt gtgatcatgt tntntgccac tntcatcctt 480

tttagcagcc cactttctgt acacagtcat gg 512

<210> 2642
<211> 483

<212> DNA
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ctccatcaac gccaggacca ccagtgacat tgccaaggag ctagaggaac agttctacac 180

gctggtcccc tttggcagga atgaactact atctccgcta aaggacagcg atgaggtcag 240

gtctctctgg gtcaaaattg acctgaccct cctgtccagg atcccagaac acctgtccca 300

ggagcctggg gttttgagtg ctccttcgnc canggacact natagtnccc canccagtca 360

tncattagac gntcctgctg nnaagacttn gccaaaatcc aagaggaaac ncaagtgcga 420

caacgaagan gantacaggg agataaagaa ggtccaggga aggaaggaga gtgcctcacg 480

cct 483

<210> 2643
<211> 292
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gtatggagat gccgtgacag cttctctgca tagtaacttc cctctcctgc tacagctttc 120

agaagaattg ttagataaat ggctgtccta tccagagacc cagcacatac ctctgagcca 180

gcatatgctc ggntttgctt tgaagtttgt cacaaggatg gtactgggta gcacctttga 240

agatgaacag gaggtcatcc gattccaaaa gattcatggc acagtgtggt ct 292

<210> 2644
<211> 358
<212> DNA
<213> Mus musculus

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aaaaaaaaca aacaaaccag gagccaatca taagtgaggc tgcactcaaa tgcacaatat 120

cttgtctcaa tgagaaatac tgcacacaaa gtaaatactt cattgttctt agaaatgttt 180

cctggtaata atctcaagtg tttgctagag ggaaaatgat aatttctggt tgcatccttt 240

gtttacatgt ggcccacata taaaaatcaa ataaattcat tatgttcgca accagtacaa 300

aagaagaaac aaacaaacaa acaaacaaac aaaaaacaat cagtgacccg tggcagca 358

<210> 2645
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<212> DNA
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gagtcctctt tgggtagggt cagtatcagt gggcaagggg cagcagctgg tatgggacag 120

agtggagcct tctgttgcct gaattctgga agcgcctgtg ggtgtgttcc ccaggccctg 180

ctttcttctg tgcccagtca gctgctgggc tcctcatgcc ttctgtgtgc tcacggagcc 240

ccatctgcat gcagtgaaca tgtgaacacc antnntcatt tgagaaggca acacgggcct 300

agatcccagt cctggnctgg ntggaggtaa ccagctcctt ggcctaacct gtgcgctgcn 360

tntggcctat gaaaaggttt ntttttcct ttgagccagg caggaagacc catcctttc 420

agacccaagt ntntcccttc ctgttggcca agagtcatgt tagggaactg aggagggctg 480

ctgttcacca aagtctgttt g 501

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ctgtaaacac cacaccgact cctctctcct gctgccctgc cccaacctat ttaagctttc 120

atctgcttcc aagtccccag tggttcctga aaggcgagtg cctagtccag cctgtgaaca 180

ccccatttct ggaatttttt ctgagctacc tgtagccagg catgacatgt agatggctgg 240

tccagcccct tctcatagca tagcaccctc agcagccttc caaccttctn cttanacnga 300

gaagcccccc caataannnt tgggcanatn tagtgactaa ggggnactta ctttgtcaga 360

tcgnaacagg atcccaaaag acagagcagt tgctcacaac tccatccaca cctggagggt 420

ggctttntcc cacctgaagt gacatgacca tggacccaga tcagattatt tggtggaatc 480

tgcctntctg aagtgtgttc attagttgct ttcctgtgac t 521

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<211> 113
<212> DNA
<213> Mus musculus

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ttacctcgtc agagccctcc actcagccct gctgtagggt gtgggaagcc gcc 113

<210> 2648

<211> 191
<212> DNA
<213> Mus musculus

<400> 2648
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acttgaacca gctgagtgcg gccatccccg ccacacgagt ggaggtgtca gtgtcctgca 120

gaaatctcct tgatagagat acattttcta agtcggatcc aatttgtgtc ctatatacac 180

aagcagttgg g 191

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ccgcccccta gagggcgtgt ctccctctag tggcnttgat gggtntntgc agagtgcagg 180

tntgcattta cctgngccgc ttccantnnt ngcccccaag ntactggctg agatcactgc 240

aggntgntnt ttgcntgggc aacctgntcc cntcatgttt gtgggatggg attntcgctt 300

tctttatntg caaaacaaac aagagaccca cctttcttaa gagctagttt gggagttccg 360

tatattgggt cagttatagg gtttttcag 389

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<211> 276
<212> DNA
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tctgccttct aaatatatgt ttagacccat tggtaggtgc tgccctcaac ctgggtcaga 120

gaagatgttt cctgacatac aaaaaggtcc taacagtctg taggataggc aggagtgtta 180

tgaaatgttg tcttcttgat atgacgtggc tatggctctc atgaactcac aacagctgtg 240

gttacctgca tgagacttct aaaatattcc atcatg 276

<210> 2651
<211> 65
<212> DNA
<213> Mus musculus

<400> 2651
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gtctg 65

<210> 2652
<211> 413
<212> DNA
<213> Mus musculus

<400> 2652
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gtacttcctc ttcactgact aggtttcttt gcactcgtgc gccaacagct tgccatatca 120

gaactaaaat gctaaaggtg ccaacttagg gcttgagtcc aagggagatg agtcagagca 180

ccacttgggg actgaggaat tgccttttgt catatgctgt gaccaggcag ttggtgtcag 240

gcggagctgg tgggattcat ttcactaaac attgtttaat ccttgagtcc caggtggcct 300

gggttatata acaagacagg aagggaaata aagacagctg ggaaggcaaa acactggttt 360

ctcattaccc gaggactaaa tgatcaaagg tgagctagaa acccctgatt ggg 413

<210> 2653

<211> 291
<212> DNA
<213> Mus musculus

<400> 2653
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tgacatgggg catctgcctt agttgcttcc taacttatac attaagtatg gtctctcctt 120

tgaacctaga gcgcactgat tcaatgagtc cagctatcca gctttctctg ggaactccct 180

agctcctctt ctccgatgct agaatttcag gcaggctcca tcacacttgc ctgacattta 240

tgtggctact gaagatccca acttgcactg tcatgcttgt ccggcaaaca a 291

<210> 2654
<211> 313
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ggaccagatg ggacctttgc ccatctgctg ggtaaagtgg attctggtga ctaagtaant 120

cttgtgcgtc tcaagnatgg cgtttcccca attttccttg tgagctcttt agaaaagaca 180

acctgtagac tgttaagccc tcttctggcc ttctcagggc ctttttggat ccctgaaaca 240

acacattccc tgacctttct gtcctcagga ggtcactaat actcaagcat gaacgaacac 300

cagcttgcta gaa 313

<210> 2655
<211> 490
<212> DNA
<213> Mus musculus

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<222> (342)..(342)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (389)..(389)
<223> n is a, c, g, or t

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<222> (403)..(403)
<223> n is a, c, g, or t

<220>
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<222> (412)..(412)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtgtgtcagt gacaaggcac ggtggccctg ggtgagacat gaagcttggg tacatacagg 120

cctgagcggc catcagcaga gaaagtatag ccagctgcct ttacagggcc agggcgggat 180

agggcttccc atcctgggtg atcctgtggc ctgcatcctt accacacaac cccagcagct 240

atggggtctg cagggcagcc tgtggtccta ggcaggtcaa agccatggga cccagcctaa 300

gctcagcagt acagatggct gtgggttcgt ggtcctgtct gntcacaggc tnccttgctt 360

tccggtcagt gtcacttcat ntntgttgnt tcacatttca ctnagatgta tntcctggtt 420

ctcagccagg aaggacctgt accctggcca gntccaccag ttcaaagcca gatttccttt 480

gagttgtttg 490

<210> 2656
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaggccgcag gnatcggcat cctgatcgtg gtcctgggga ttgctctgct tatcggctgc 120

tggtactgta gaagacgaag tggatacaga accttgatgg acaaaaggcg tcatattggt 180

attcaaaaaa cctcnaggga aagatgctca tgtgagagcc ctgatcacca ggacagccga 240

ctgtcttctc aagagaaatc ccatcagccc gtggttccca acgctccgcc tgcctatgag 300

aagctctctt caccgccacc ttattcaccc tgagagccgg gaaactcctg agaacgctga 360

acaacttccc tcacacttcc gctttaaggc tgagtagacg ccggtgtttc gctttagaat 420

gctgcagaat atacagctcc actaacaggc cagtg 455

<210> 2657
<211> 329
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (225)..(226)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<400> 2657
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gccaaacagc tatgcagagt tgtgttggat cagtttgaca aacagtattc gaaagaactt 120

ggggattcct ggagtacagt aaggtcagta tggttcgtct cttgatattt tgtgagagga 180

aagggaagta tgtagcaaat acctcctnna gagtgncaca ntccnngagg gangaggtga 240

ctgnacattt natgtgtgna ggnatcacct ggcatgtaga natgtggggc anatngtnat 300

nccctctcaa gcacttggct tttatctgt 329

<210> 2658
<211> 109
<212> DNA
<213> Mus musculus

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<222> (33)..(33)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 2658
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tgtttagttg ctctgtagtg tccagcttcc tgtactgttt tccgtgttt 109

<210> 2659
<211> 484
<212> DNA
<213> Mus musculus

<220>
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<222> (28)..(28)
<223> n is a, c, g, or t

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<222> (34)..(34)
<223> n is a, c, g, or t

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<222> (400)..(401)
<223> n is a, c, g, or t

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ggcacggtct aagagcatca gcagcagcaa ccctgacctg gctgtggtcc ctggctctgt 120

ggacgatgag gtgtcccgca tcctagccag caaggccatc gaccgcaact ctagccgggc 180

ctcctcttac ctcgaggcct catcctcggc cctgccagcc cctcagtcga gacacactgt 240

gcagaagctg ctgcacgagg agctggctct gcagtgggtg gtgagcggca gtgcggttcg 300

tgagctagtc ctgcagcatg cctggttctt cttccagctc atggtaaaaa gcatggagct 360

ccatctgctt ctgggccagc gactggacac tccccgcaan ntgcgcttcc ctgggcgctt 420

cctggatgac attgccgccc tggtggcttc cgtgggcctg gaagtcatca ccagagtcca 480

taag 484

<210> 2660
<211> 415
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ctagaagagg taggactaca tctgtaactg ttttaactta acatgccatg aagaattaaa 120

aaagcttttg taccacttgt tcttttattt tcacggtctc tgagaacaaa aatagcagga 180

cagtaaaagt cagttaagtt gatgtatggt tgacacatta cacttttaac tggtattcca 240

cagtcaatgt gtagttttga aaaaagtttg cttttacctt ttgaaataat aaaaataaca 300

tggtagaaaa tttannnnnn ggaagtgctt cagaattatt aaagacaagc acagttcttt 360

cagattttcc tccttttaga atggaagctc cctgagggca gggaatcttg agtaa 415

<210> 2661
<211> 543
<212> DNA
<213> Mus musculus

<400> 2661
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aggaaccaga ggctatgaag agagtggaaa gccatgtgtg ggaacgatat ggcttcagtc 120

accagctctg ttcccctcca ccatggtgtg gtaactcaga gctccaagct aaacctggat 180

ccctgctgtg tcaaatgaag gaagctggtg aagagcctgt gccagatcag aagcacatgt 240

gagcccaagt tacagactgt atactaagct agtgcttgtt tctattaaaa aaaaaaacaa 300

aacatatgac taataaagtc aggtccaaat acctgcctgt tcaaacaagt tctccatggg 360

actcaggagg ggagacgctc atgacccttg gaagccctgc atgacctaac cttccacagc 420

ctttctgatt ccatcttttc cacttacccc tgacttctta tttctcacat ggtgtacact 480

cctgcctcag agcctttgtt ttagctcctt aactccttag tcatacgcat ggcttaactg 540

ttc 543

<210> 2662
<211> 381
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (214)..(216)
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<222> (222)..(230)
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<223> n is a, c, g, or t

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tccctccgat ccagcagtga ctgtgcaacc tggacagact tggtgattct gattgcctgg 120

gagatagctc agttgcctgc agcatccttg gcggagcctc tagccttccc caggaatctg 180

cttnnnnnnt nnnnnntnnn annnnnnann nntnnntnca gnnnnnnnnn gnnnnnnnnn 240

ngcttgcctg tatctactga tgtattagtt aatgtgagaa gctgaaatat cagaaacgga 300

actccatcac ctgtctacag tgacagttga ggccatttcc tatactttgt tatgttggag 360

gaccctgcca cattgtcata t 381

<210> 2663
<211> 546
<212> DNA
<213> Mus musculus

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<222> (212)..(212)
<223> n is a, c, g, or t

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<222> (235)..(235)
<223> n is a, c, g, or t

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<222> (242)..(242)
<223> n is a, c, g, or t

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<222> (251)..(251)
<223> n is a, c, g, or t

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<222> (253)..(253)
<223> n is a, c, g, or t

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<222> (287)..(287)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (293)..(294)
<223> n is a, c, g, or t

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<222> (316)..(316)
<223> n is a, c, g, or t

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ggaagtcact gtggctaatc agtcaccagt ccctcctcca agaggcatat ataaacagta 120

aggactgcaa agagacagtc acagaccagc acagaagcct gaagaggtac atcacccaag 180

ctacctacga aagaaaaaaa aaaaaaagaa antagcccac ttgcctggaa gagtntcaga 240

tnaacagagc nanctggaaa ggcctcaaac cagctgagct gtacagnaca ctnncaggtt 300

tctagatttt gtgagntgtc atccaggctt gggtggtttt ttaaagtcat gctgcagtca 360

tttctgctgt tagtaatctc tcacccaaat tcctgtaaat acgttcaata aagctcattg 420

gttcacaaag tgagactgat ctgtggtcag ttccctggtt ccttatctgg ggtgagtaca 480

ggtgtgctca cacctcccca tagaacagtg tcacgtaaca atgacgcacg catctcaagg 540

tttcag 546

<210> 2664
<211> 463
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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cgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgcccnccct gaggagggag 120

gggatactga cggtggcccc atcttgagag tgtctggagc agaaggagaa agcagttctt 180

atttgagggg tcattgggga actggggatg aagccaaagg tcccgtgtgt acaaagcgca 240

tgctctacca tgcagcacac gctgatctgg caatttcttc ctaatgctcg ctctgtcggt 300

ctgttcatta catcatggtg tgaggacaac tttaattctt tctcaaacac tgcattgtct 360

cctacagact ctgtccccgt actgaaatta atgtactgga tagagagatt ctgcctgacc 420

tagaacttgc atcaatcttt ctgccaccgc catctggata atg 463

<210> 2665
<211> 510
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (467)..(467)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 2665
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gtgctgggat tatgctcaca tggtgtgtcc agctttttac acgagttctg ggaattggaa 120

ctcatgttct catgtttccc ccactccacc acgtccctgt ccacatacgg ggaacactta 180

gtggacctgc atacgcatat gccagtctgt tgtgttggtg gcatttggag ctgcnacaga 240

tgggtgaccc taccnatcat gtgagcatca ctaccctcgc agatgtggac ctaggattcc 300

agatgtgcat ccctgcacct gtacaccaca catctggcag taattgacac ntctttctta 360

ttgttttgtt gtgttaaaac gcacatataa attgaccatg ttattcactg tcaagagaat 420

tgagacaggt gagaaggctc agtgggtaaa aagggcccac tgtcaantct gatgantccc 480

attctgttcc tggaacccac acagtggaag 510

<210> 2666
<211> 560

<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (378)..(378)
<223> n is a, c, g, or t

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<222> (394)..(394)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (506)..(506)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (519)..(520)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (525)..(525)
<223> n is a, c, g, or t

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tctacttcgg agctacaccc ccaaccctca tcttttaaaa ttcagttttg agagaagagc 120

actctggctt tgaacttgca aacctactgc ctctgcttcc caattagctg tgattacagg 180

gatgtgtcac cataccaggt taactcggat ttataacctt gtctgtcatg gctactcatt 240

tgggaaggtc aaatgaaccg acaacaggga acagaagcag tatggataac tgcacaagga 300

caagaggcct ttagcaacct ttgccaaact aagtctttct ttttgtgttc agcatctttt 360

gcaccagcat ctnttttntg cttggcgtgg tatntgantt gtggactgtt actatggagt 420

tatcattccc tacatttcta cgtagctgag gagtatgcga gtgccccagt gctcacagtg 480

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ccatgggatt acctttgcct 560

<210> 2667
<211> 507
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (70)..(70)
<223> n is a, c, g, or t

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<222> (75)..(75)
<223> n is a, c, g, or t

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<222> (159)..(159)
<223> n is a, c, g, or t

<220>
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<222> (343)..(345)
<223> n is a, c, g, or t

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gtttngtttn gtttngtttg tctcacgttt tactttgtta cagtagctag cagcagagat 120

aggacagtga ccaaggggac aaagatcaga aaaaggaana tttgaaggac cctggatctc 180

aatagtccta gactcggatg tttactggga tcactcagtt acttaaaatg cgtacggaag 240

ctggagagat ggctcggagg ttaagagcat ttgtgcctcg cagaatctgg aatagatccc 300

cagtctccac accgtgtctc acagcctcca taattccagt tcnnnngggat cggatgcccc 360

cttctgacct ccacaggcac caagcatgaa tgtaatgtgt attgatacat gcaggcaaaa 420

acacgcatac acataaaata agataaatct ttaaaaagtg aatgtgtaag gaagctgggc 480

atggtatctc atgtttgtaa tcccaac 507

<210> 2668
<211> 460
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (373)..(373)
<223> n is a, c, g, or t

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<222> (381)..(381)
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<222> (386)..(386)
<223> n is a, c, g, or t

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<222> (397)..(397)
<223> n is a, c, g, or t

<220>
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<222> (400)..(400)
<223> n is a, c, g, or t

<220>
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<222> (427)..(427)

<223> n is a, c, g, or t

<400> 2668
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tgtctcccct ggtgcagcac tgtaatataa ctcttgacca taggaatgaa ccggggcttt 120

ctgaaaccct tcagtgttgc acactgtggt cttggtagga actcactctt tcatactggc 180

gtaaatagga cgcctgccat aatctttgtt ctaatgcccg gtcttcaccc gtggattggt 240

taacactcat gtggtattta tagtatgtgc tgtactaatc agtaaaacat tcagtgactc 300

atttcatctt cagagctaac cagggaggta ggnatgtttt nanctgggga aantgaggca 360

caagaatggt ctngggcctt naccanggtt ctatagntan taagcctacg tctggttcca 420

tatattntat ccatagatag ttgttgctgt tgctacggct 460

<210> 2669
<211> 546
<212> DNA
<213> Mus musculus

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<222> (383)..(383)
<223> n is a, c, g, or t

<220>
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<222> (385)..(385)
<223> n is a, c, g, or t

<220>
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<222> (408)..(408)
<223> n is a, c, g, or t

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<222> (414)..(414)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttcccttca ggacaccaag cagggctctg attgccagtt tctaagttaa tgtatgctga 120

ggcacagatg caggttctgt tcagatgttc aagtcgctca ccggaagctg gccgaagctg 180

gccctaccca agtcatgtcc tgtagctaat agcttaaacg tttgaagtat cctggcatgg 240

ttcttttgca aaatatcacc acatgagacc taaatcaaga gcaggtggta agaaatacca 300

accggaaagt gaagccatgc aattgtgcaa atggcttgcc tggcacggat tggaaatcat 360

gccttttcaa cgacaagaag aancntaagg ggagttcagg actggtgngg tggntcagtg 420

gntaaaggag cttnctncca ancctgagtc caatcctcag gacctgcntg atggaagtga 480

agaaccgact ccagaaagtt ntcctttgac ctccatatgc ttactgtggt gccttgcatg 540

gacaga 546

<210> 2670
<211> 423
<212> DNA
<213> Mus musculus

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gttcttagcc aagattttgg ttccatagaa tatcctgtaa atgtggttct ttgcagcaaa 120

aattgtatac tcccataaga aatatttcaa catgtgaaac aacaatattt cattatgttt 180

ctgattttct tacccttttgt ctgttcaaat aaaaagggaa gagaattctt gacagaaagg 240

catctagtaa attagtaacc aaagcatatc ttaaataaaa actttagtag actgataaaa 300

gtatgctttg gtttctatga tttgagtctt aaatctcaaa taaagatcta tttctgctga 360

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ttg 423

<210> 2671
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<212> DNA
<213> Mus musculus

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cctccagatg ttcctctgtg cccaccagat gttcctctgt gccctccaga tcttcctctg 120

tgcacagctc acctggcccc tcggccactg tttcgatgcc tcaagatagg ccctgacctt 180

gctcttctaa ctcttccctt gaccaagagc caaccctgaa gggccccctg tccgctgcca 240

gagtggacaa nccatgttct ttcctgcntc ttatntttgc acatgaannt ntattggaaa 300

nacatttgtc acccggctga ctcacaaatg tgttgcttgc tcaaggtaac cagaagtcac 360

ntttgcaaag ccttcactgg cccacgtagg ntggattaaa tggtccttac ccaagtcctt 420

g 421

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<211> 422
<212> DNA
<213> Mus musculus

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tggaggcagg agccgatgca gaggctatga agggtgctac gtactggttt gctccccaag 120

gtttcttcag cctgctgtct tataggaccc tgggctcaca gccccggttt ggcaccaccc 180

atagtgtgtg tggccctcca ccatccatca ctaattaaga aaatgctcca aagacttgcc 240

tacagcctta tgaaggcatt ttttttttcat cgagcccccc tttccctgat atctctggct 300

ttgtcaagtt ganntaaaac naaacagcan actantgagg cagtntattt tctgtgtctg 360

gcttgctagt tttcataaag tcacatctta ttgtnacttg gagttttccc aacatgctct 420

gg 422

<210> 2673
<211> 341
<212> DNA
<213> Mus musculus

<400> 2673
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gcgaaccagt gaggaaaccg aggctgaaca aaggttattg ttgagaaatc acacaggcag 120

tgaatggtag aatggactga gactggagcc ccagtgttga ctcagccatt gacacgcaag 180

cctgcttata ctgtctcact tttacaaatc atgaataaaa ataagaaatg aatatttcag 240

gcaggcactg gaattcacaa cttagaagac aaacgtcttc tcttatgatg atccacataa 300

taaaaaagac tcaagaagaa gatccactgt cactcttact g 341

<210> 2674
<211> 463
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cagtcatccc ctctgcaccc ctggttgtgc gagactcccc caggtgctcc gagcagtgtt 120

tacaactagc cagaacatgc agancctctg agcccggctc actcacctgt caccccccatc 180

ttttctcccc aacttccctc tcctctcttt agtttttgta aggctgtgtc cattccctga 240

ggcctcagat cctgtcagcc atttctagat cctccacntg tctccagttc tcatgatcta 300

gatagtagct gntcaaggtt agacttcccc cantccggga gacttgcact actcaggccc 360

tgggttgtac atttntntgg actggttaga aatagggagt ggactaggtc tatctacaac 420

cttttcccgg ccctgagtta tctttaactt ctgtccactg gag 463

<210> 2675
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<212> DNA
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acattgtacc aaccagtctc cgggctcagt acggcacaga aatgcctttt aatgctgtgc 120

ntggaagccg ggacagagag gacgccaaca gagagctggc gctgctcttc cccagtttca 180

agttctcaga taaagacaag gaagctccac cgggtgctga ggctcaaact atggtgggcc 240

ccgtggagga cccttgcatg tctgagcgta tctgaggact ggaatgccgt gttgtcttct 300

gccggaatca aagtcacaag gccaccagag gagccctcan tacacgccng tcggcacaga 360

aggntgcaga ggtgattcca gagcgccaat atgtgcttgg tttancnnta ttctgtggac 420

aacggaaaca actgtccata cgtntntgcc ttattaaaca gtntgtagan cacanccaan 480

tctagtcacg gcattctgct gaggcat 507

<210> 2676
<211> 335
<212> DNA
<213> Mus musculus

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<222> (134)..(134)
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ctttcctggg gcaacttcac agcagccttc gccatgttgg cgaccctgct gtgtgccacg 120

gccgctgtca tctnccnnnn nnacnnnncc cnnnngnann nnnnnnnnga nnntgnnngn 180

tncnnggtag ccccatgtca aaggccagca ccnagaatct ccgtggaaag atgatgatgt 240

catgacagcg nnggaatatc tgtccagaca cccnaacata gaccatgacc cagaagcctc 300

tgaggtatct accatgggtt ctggcaggct ggctt 335

<210> 2677
<211> 357
<212> DNA
<213> Mus musculus

<400> 2677
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tttggctcct tggttctctt ctcttcactt ttcccaagaa ttctttctgc tttaacaaac 120

tggatcctac tctgtattta agtagcacga gtcagttact ataattacaa atcttatcat 180

aataagaatc aattatttgc cacacagtgc gcccagtgag aaccgagcct gctgttaaag 240

cccaagcaaa cgtctttagg aagcacttca tctgaccgtg cttgcctgcc catggccctt 300

ctgtgaccga gtgcgctaga aaaatctcac acagatccta ggagtcagcc actgggc 357

<210> 2678
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 2678
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taacaaaaat aaaaccaacc aaccaaccaa ccaacccaaa ccagacaaat cgatgttaaa 120

taaagatgaa gtaatatggc atcagtagca ccctcagagt tcatagttaa ggaatgtcat 180

ttctactgga gttacagagc tccaagtgga tcagtgtaac atcatggaaa attgggtcct 240

tccttatttc cagatttctc tataagtgaa tagaatcaga gtctacagtc atgtaagagg 300

cacaaaacat accatgacac tgtatctgtg aatacagggc atttgaaagg atgtcatttg 360

naggttatgc agtttcatag tanacttntc tagttcttac tnagtattca accaaatgag 420

aagaactgtg atagtaggta gcaagggaca acatgaatac atattaggca agtaaccagt 480

atatatctca gctcactttg catcagttta t 511

<210> 2679
<211> 515
<212> DNA
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<223> n is a, c, g, or t

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gcagagaaca gggactttga tgggcccaag tccctgaaaa ccttcagtct tacttgaccc 180

ctcccctgca ggcacccaga agactgaggt gtaaagacct tgagttcgag gtcagcttcg 240

ggttcagggg cgttgtatac ctcctgtgac cacaggtcct acacccaatg ttatatcccc 300

ttggatccca agnttntcnt ttcggatttg catcccaggn ttctgagagt tcancaatct 360

tcagtttttt aaaattatca ttaatgtaac aattttaatt atttttttgtt cagaaaggga 420

ggggtcttgn ctgccattga actggtaatt cccctgcctc aggntntgca gtatgatgat 480

tgcaggcgtg caccaccaag cctggatgat ttatt 515

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctattttctt ntgacaccac ctttacagga agacttctcg ctgaccccat atgcttgatg 120

gctttggggt cttctttcca gggcttcaca tagctgctgt cttcctaagg ctaaattgcc 180

tatttgacag tagaataatg aaagntcatt tcaaggttgc ttctgtcaaa gccactaggg 240

ccagcattct ggggactgct ctggatataa agtgcttaat tgaaagtaat caatgccaca 300

aatcaattca ggatttagca tcaaacactg tttgctgaac aggaccagga aggaaatccc 360

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<210> 2681
<211> 484
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctttcgaagc gaaactgggt gcagacagca actttctctg ctccacaaat tccagtcttg 120

aacagaacaa gaaaatgaaa tggagaggga gggagcggag acaaacccag tttatgcgga 180

gggcgcctta atttaattaa ctcttcggga aggcagaggc acggggaagg ggcagaaact 240

tcgtgccccc ccccacttga ccaaattctc ctcccccacc atgatcgtag atctctttct 300

actatagctc tctggctttt acacagttct gctgtgtttg aactgaaaat cagcgaacat 360

aacnattcat cnntctntca ttttantcag aagcccatac acannntnta gcagataacn 420

ccnaacgata ttattattat tattattatt attcaatgta acatcactat taccaacgat 480

tgga 484

<210> 2682
<211> 291

<212> DNA
<213> Mus musculus

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catttgtaag aattcccaaa catccaggga tcaacagctt aaactctgca gtagctaaaa 120

tctaatcagt ttactgagct tgcaaagagg cagaaaggat gatctgaagt gaggaggaaa 180

agattgaagc caagtaaaaa ctgacacaaa gcagcagagg aagactgtaa aaccatgacc 240

atgctgttga tgaccaaagt aagacaaacg ctaaaggtaa aacggcatct g 291

<210> 2683
<211> 430
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (295)..(295)
<223> n is a, c, g, or t

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tgcatatcct attaaaaata aggaaggggg agatgtggga acacggtcca agaatggagt 120

gtgtagattt tctgagtgct tctgagaata ctcccagtaa agcaagaatc ttggacctca 180

gattcttgnn anatatngaa ttattcttgg attatgcttt cgtnccctc ccaggtatag 240

tgaatagata ggagtgaatt tacattattt agattattta ttaaatatag gttanttatt 300

aaaactggct attgttactt gtttatatac atctgtagaa tttttccatg tgagacttct 360

ctgtcacata tggcttgctc ttgtgattaa acactttaat catgtgactt ctctttaact 420

ctcaaggtat 430

<210> 2684
<211> 499
<212> DNA
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<223> n is a, c, g, or t

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<220>
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<222> (370)..(370)
<223> n is a, c, g, or t

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gcgataaaaa catctttaaa agactttgca aatggaacag gacttcctga cacagaggac 120

accggaaata ttaattggag aggagcaagc aggaggccca gtgcaggcga gggtgagagt 180

ttgctttcct ggtaagttaa ctcctcaaga aaaccaggat agctgcatga tctactttct 240

ggattaagcc agtgctgtcc catggccaat tctgcagttc ctgacccagg taaggtcttt 300

gtgggtcatt tcaaaanann nnnatgtgaa nnnganatgg atntnnnnnn nnnggnnnnn 360

tcnntnntan gnnncncnna nnnnnncnnn cgcagcaccc aagtcagcac catggacagc 420

atcccgggac cgcagtaatt atggaccttt aaacaccttt gtagaaaaat ctgatcggtg 480

ggaacgtaca agagctttt 499

<210> 2685
<211> 90
<212> DNA
<213> Mus musculus

<400> 2685

aggtcttcct ggtggcaaat gagctatcct cttagttcgt aaaacctacc ttattaacct 60

ctaacactgc ctcatactaa ctattcctga 90

<210> 2686
<211> 465
<212> DNA
<213> Mus musculus

<220>
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<222> (91)..(91)
<223> n is a, c, g, or t

<400> 2686
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tgtacatagg ctgtctgtgt ttggcttttc ntagtactgt gaggtttccc acagggattc 120

catgtagtac tctgtgctgt gacaatgcca ctcttccccc aagatcacac atcatcccca 180

caaatggttc tgcctttctc tatgctaaca catggagcca ctgagatgca gttgggtggt 240

taggctcttg gattttattt tgcaatttta tatatataca tatataatat atatatttat 300

gggttggttt tatatggttt tctgtttgaa tctatgagca acaaagcttc ccttcgattt 360

tcatgagaac tttccaaagg ccttttgctg ctttggtgtc tgactgtgtt tggggtggac 420

tctgcttgtg ggtttctctg tgtgtgccgt tatttcacct gcaga 465

<210> 2687
<211> 331
<212> DNA
<213> Mus musculus

<220>
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<222> (106)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<400> 2687
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caaggagacc ccctggagac agggcagatt cagaactgca gtaggnnnnn nnaggaagat 120

aatccctttn ggattctaga gcgcctcact tgaaggattc agctcttaga cggtgaatca 180

caagaacaag atcccaagac gtcgctggat catacttaat tggactatgg aatttgaaca 240

aacgcttcga gaattgagag ttgctattct acaagtgaat tctacgcgtc tcaacctttc 300

actgacggag ggcttctcca cctagatttc c 331

<210> 2688
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<220>
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<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<400> 2688
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acagagagct tctggcaaaa taatggaatc gtatcaagat caaaataatg tttggcaaca 120

tcagattaaa cctctttgaa attcaagagg tcagcaatgc gctaaaggac tttggncatc 180

atgtctgaaa ccagcttctc tcaagtgccc tgttgtgtgg aacacttcac atattggncc 240

agcatatata aggangtctt atatgctaac atttttttta aaggaaccat ctttgtgcaa 300

aacagtattt ctttttgact ctgtgaccac tattttagaa acattattta atgctttcag 360

tcatcanttt gcttacagat tgaataagct tttgtgccct gtttttcttc nagggntcgg 420

aagtgttntc tcaatcacca gatttttaga aaggctttct ttccactggc atttctcact 480

cgtgacacac atccacttac ctgctgaagc acatt 515

<210> 2689
<211> 526
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
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<222> (417)..(417)
<223> n is a, c, g, or t

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<222> (437)..(437)
<223> n is a, c, g, or t

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<222> (459)..(459)
<223> n is a, c, g, or t

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<222> (486)..(486)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (500)..(500)
<223> n is a, c, g, or t

<400> 2689
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agtctaggga gcgtcccaaa ggcaggtcca tgtccagtgc tcacaggaca gttgttacca 120

ncgactgaaa cggaggtttg aagcctaagg tcaagacacc tnctcccgta ctctcctgtc 180

ctgtttacag gccagccttt ancacacact tcctcccaag anctttgacc cacccttcca 240

gtggaccacg gtgtttngtg gtttnggttc aggttgacct gngatggacg ggccgcgagt 300

ctcaagattt cctatcgggg ccanatggaa cacanctctt tgtaccgtca ggatggaatt 360

tccctctgct ccctcctgct tnctcttgct gttcacatcg gatttgtatt ctctcanctc 420

tacagaagga caaactngac tgtcagttgc tcccttgtnc tgtcttgcca tgctgggatc 480

gaaccnagga ctttgtgtgn gatgggacga cttgcttgtt cctgag 526

<210> 2690
<211> 558

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (490)..(490)
<223> n is a, c, g, or t

<400> 2690
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cacagccttc acgggcctga gctgcagaac caacaagacc ctgaacatct acctttgga 120

ttccaattta ttttggttat atgcagaaag actgggtgcc ccgagctctg ctcctgtgaa 180

ggagtttgcc acaattgttg atgtgaaaga agaatctcac tatatcctgg atcccaaaca 240

agccctcatg aagttcactc taggtactgt gggtggtttg ccntcctccg cataatcagc 300

tttacttagc ttaagagctg tcatttgcac tgatggtctc attattccta atcatggggg 360

tgacaccagc ttcagagctc atgttaagtc ttcagacaac tgatggaaaa actgtcttta 420

tctgttggtt ggtcagtttg aaaagaagct agtttgtcca ggaaatagag cagaagcttc 480

tgtctatcan aatttggtgc agtttgtcag ctaacctgta ggggctaaga gtctaagact 540

ggcaacttct gtcacctt 558

<210> 2691
<211> 410
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (122)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(165)
<223> n is a, c, g, or t

<400> 2691
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gaggctggat gtatgtaaag actatagttc attgtttctc tattaaatta ttttccatac 120

tnnnnnannn nnnnnnnnnn gnnnnnnnnn nnnnnnnnnn nnnnnctcat accaggagaa 180

gctgggggag cctgactagt gtggcccaga gggaagtgac tgtacacctg cctcttgcct 240

ttagtctctg ggacccagaa gtcctgctga ctgccactat tcctgccaac cacctagtgt 300

gtgttgttgg gagcagggcg tcagatggat ggatagacct gggagcccaa tgaggcctta 360

tttctgcata cctcggcata gtggcaggtg gtagccctct agaacagtcc 410

<210> 2692
<211> 517
<212> DNA
<213> Mus musculus

<400> 2692
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tcgaaacctt gctgtcttta aaagaactct cgtgggctag ggcgagcgct cagtacagcg 120

cttggtgtgc aggcaccagg acctgagttt gctccctaag gcctggaatg tgtgacaccc 180

cagtgctggg aagacacaaa ggcaggtccc agaggcttgc cacccagaca ggctagctta 240

ctgtgagctg caggacaggg agagagaggc cttctctcca caaaaagtag acagtgcctg 300

agggttaaca accagctttg ttctccagcc tctgcatgta catgccacat acatgactgt 360

acttacacat gcttacacac atacaagaga gttgggggtg agagattggg cttaagataa 420

gactttactt tttaactttt tatgcaaatt aaagatttaa agaaaaaaat cacaagcata 480

gcaaggaaca ttggcgtctt cttaaccagc atgtatt 517

<210> 2693
<211> 252
<212> DNA
<213> Mus musculus

<400> 2693
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cctatgccgt caatgggaag atctctcccc agagcaacgt ggactttgac ctgaccctca 120

gatgcaggaa cccagagtgg gggcttcgtg acacagtcct tctggaggaa ctaggccagg 180

ccagtggctt ggtcctggag aggatggtgg acatgccagc caacaacaag tgcctgattt 240

ttcggaaaga at 252

<210> 2694
<211> 508
<212> DNA
<213> Mus musculus

<400> 2694
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tgttttgctg ttaaataaaa atccttttta ttcttgctct cttttcctgt aaacattgtg 120

tgcatgaggc tacatcattc cttaaatcac ccttccacct tgctttaaca actcctcaga 180

tgatgtggaa gggcaaagct catatgctcc tgtcacttga gaccctggcc aacctcattt 240

gtatttttc ctgctggcat gaaaagcagc ttgagggtaa gtagtgctgt gccagaccta 300

aagagctgtg cggtgccaca gttgtgcagc catcaggttg ccttgatcac atggaatcct 360

cctttaatca ttcatccatt tgggcccact ttgcatacag aggcaagcag aaagcttgag 420

cacttgtgtc ctggaagata ccaagtcagt gtcaaggagt gatcgttgtc aacggaaaca 480

agctggtaaa tcctgtccag ctaacgtc 508

<210> 2695
<211> 165
<212> DNA
<213> Mus musculus

<400> 2695
tgtggtggag gcatctgtga aaccaggttc ctgcacacat tcgatgggat ctctgtacag 60

ccaggtcagc cgactggccc ctctgagtag cagccgcagc cgcttccacg ccttcatcct 120

gggcctcctc aacaccaaac agttggaact gtggttttcc agcct 165

<210> 2696
<211> 520
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(281)
<223> n is a, c, g, or t

<400> 2696
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atagtgtcaa attccccaat ctgaaatgct tgnaaatntg aagcatttga gtgtccacgt 120

gaggccncan agtggaaaat tccacaccta acttcacttg atatgtgtnc aaaatgtagg 180

cccatttaaa aaatattgca cagggacttg aaaggctgaa gcaataagac tgcccccaag 240

ttcaaggcta actacggcta catatttaga tcctntcncn naaaaaaaaa aaaaaaaaaa 300

aaaaaggcca aacaacaaat tggaatgtat ctcattgata tagcagctgc ttatagtgct 360

gcagacctct gagctttatc ccaaaccccg gaaatgatag ggaattgccc ggagctgagt 420

gtgctcatgc agttcggaag tagagcaaat gtgtcagttt aagggcagtc cggatactaa 480

gcgagaccag cttgggctac ggaaaaccat gcctgtctca   520

<210> 2697
<211> 401
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (132)..(132)

<223> n is a, c, g, or t

<400> 2697
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gcaacccatc gtcctgacta tttaaacttc acaaggtctt cgctacaggc tcaggttcag 120

tgaggcagag tnttggcttc cctacccagt tatcccagag ctactggtat cggtttctac 180

ccacaacctc cgagcaaggc tccccctttca acctgtagac ctcgcctccc gattctcggg 240

agatcttgct gactgtggaa tccctggctg ttccgaaccc cctggaaaga agcggctgtt 300

cccaggtttc tgcaaggtaa cgaatctgaa gagtcaacag aattgagcgg ctccattcat 360

tcgactctgg ttctctcaac caggcattcc ccatattaaa a   401

<210> 2698
<211> 563
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (496)..(496)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (508)..(508)
<223> n is a, c, g, or t

<400> 2698
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tgtgagtgag cctctgcttt ttttttttaa tgttgctata aaatgctctt accagccatt 120

tgcttcctca gggaacattt agcttcatct tggtttctat atagctgtct tggtgtgttg 180

agagatctag tcagaagtcc ctgggcaggt taacagtggc catgttcatg ggctccaatt 240

gagactggag gagggaggtg gtaatggtnt ggttgtaaag ctctcattac tgatnttcct 300

ctttgtcctg atgctactag aagcttccat ctgtcaagca nttatttgta tccctcttaa 360

tgttgtgttc tttactatat atcatttaat cattacggca gcctttcgga ttgatacccc 420

tacattcttt ttatagtttg gaaaaaaaaa atntcaggat acctatcttt atcatttctc 480

aatataaata tatttnttaa tttatttnaa ttagtctttg agtttctgtt tggtgcattg 540

tatcctgttt attgctttcg tat 563

<210> 2699
<211> 429
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<400> 2699
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caaatattga tcataaacca agtgtatatg aattaattaa atagcatatt tctggcccaa 120

atatgaggaa aaccataact ttntactgta aatcaggaga gattgtttta tccccanata 180

nactaggatg tttcaantca tgtttcagca atttggagac ctacaaacta tctgcaagca 240

agcacaacaa ccatactcta atntacnaga tagtagtgag aatttagtgc ttgaattcag 300

gctgcttgaa ttcagtatnt ccttctctat gctgattttc aagtagatat tctgtagctc 360

agctagatan tcttttaaaa gcaaaaaaaa aanttaagtt taaagtgtag ttgctaagag 420

ctgctcttc 429

<210> 2700
<211> 395
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<400> 2700
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tagagctggg tcattaaagc cttccatgct tgtgcncact gtggttccag acttcttttc 120

tgtgcttctc ggttagacat gatgtgagca gtcgctgcca cgtgttcctg ctgcctcttc 180

agcctccacg ccttacactg taatgggctg cactctctca gaaactgcaa gcaaaatgaa 240

cccgactctc aagttgcatt gtttggatgc ttggtcacag tgatgtggaa cattcctatc 300

caagaactat aggaaagggg ccgactgacc aggagtcggt cagagagtga ttatagaagg 360

tgcactatca gagcagacat cttcttaagc cagat 395

<210> 2701
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<400> 2701
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ggctgacttt agaagcaatt ctgtgctntg tgcaaaatgt tcatggaacg gttcctcatt 120

aaaaaaaaaa aaaaaagcca gcgagagaga cgacagaggc agaaagaaaa aagagaggag 180

gggtgagggg gacgcacata aacccagttn caaaaaaaaa aaaaatcatc tcttcactag 240

agactccgga aacgtagagg cagcgagatc ccagcacagt ccaaccaagc cacaaccaaa 300

taattttcaa tcctgaagaa ttattcagat taaaatgtac agaagtttca ttctcctatg 360

cctacgtgag ccccaagtcg tttcccttta agggctcctt ttcttttaaa gttggatttt 420

aggcagcaag gactcttaca ctaggggggca gacagatact gcacttactt caatcttaag 480

caatttttc cctcccagca tatgctctga tttag 515

<210> 2702
<211> 384
<212> DNA
<213> Mus musculus

<400> 2702
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actgggggtg gggaggaatg gtttttaact tgagtgaagt ctgatgtttc agttttatct 120

ctgtgaatca tgcctttggt gtcacagctg agtactctct aacccaagtc attaaggtct 180

tgtttctgcc aggcctgggt gacacagatc tgtagtccag ctaatgtgga ggctaagcaa 240

ggaggatcaa aagctcaagg actgcctggg caacttagca agaccctgtc ttagatgatg 300

aaaactaaag ggctgggaac agaccacagt ggtagaaggc actcctggtt cagctgtgag 360

ccgttcaagg ctcagttctg ggaa 384

<210> 2703
<211> 535
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

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<222> (92)..(92)
<223> n is a, c, g, or t

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<222> (109)..(109)
<223> n is a, c, g, or t

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<222> (114)..(116)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<400> 2703
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taagtaacat gacgatcaac aaccnagacn gnctcctctc atgcagctnt gctnnntnca 120

tcccattgac tgtgggttag gtatacttac acttccacct acggggtact tgaagatgag 180

acaatatcag gatgttctca agataccttc tncatacaga cctcagcaaa ccaaattaag 240

tacagttgat ttctttacaa agaaaacang tatatgctan caagaattcc aacatgatgg 300

gttttaagca tcgattgagt gaaatacaac aagattgttt gaagaaaatt ggttagagtg 360

atgctgtttc ccagattatg aaaatctgtt ctaagggatt ctgtaaatgt tcatttcttg 420

atagtcatgt gaccttgatg gggccaagtg gcctctgctg ccattgctct gcatcagagc 480

ctttcctaca aataaaatgt cctgaaaaca gttgaggcca cattaaataa ccatg 535

<210> 2704
<211> 493
<212> DNA
<213> Mus musculus

<400> 2704
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ctggctgtcc tggggcttaa tctatgttgg ctacatcttt attatttcca tattcattgc 180

aattatcata acatctaccc agattataat gatgactggt ttcctggtca tatttacgct 240

gtttttctta tatggattat ccttggtaag tgtatgtgtt tactaccatc atttacacat 300

tatatcttag ctatgtgtaa ttctcgagaa tgttaaggag acactttgtc atgtccagtg 360

tgtgtatata tgcatgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtggt 420

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ccagctttgt gtgtctgctg ccaccggctc gtcccctctg acctcggtca ntaccnctct 180

gcaccttagn atgagagaac cagagggtgt ctgcacttcg agagctcccc ccaccccggg 240

gtaggtgtgg gaccttggag gcngtccccc tagtccgcga tcaggggtga ccgggcttcc 300

cctcacctta agatccccgc ccgtggactg cagactgttn aanttcgana aaagngaccg 360

agctggagga cagggaaaag tgncagaaga ntcggaggaa aagtgtntca gaaagcgcat 420

aacggctnct nccancggcg ccctncaaag gacccagaga catgggggan tcttnntctt 480

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atttatttat ttattgtata taagtacacg gtagctgtcc gcagatactc cagaagaggg 180

catcaaattt tgttacagat ggttatgagc caccatgtgg ttgccgggat ttgaactcag 240

gaccttcgga agagcagtct gtgctcttta ccactgagcc atcacggcag ccctaattat 300

actattctta taaaattgta ctgcctagat atagttatct gatttatcta tcaaagcatt 360

ccntnttaaa aaaaaaaaaa aaggaggagg aaacattgcc ttaagggata cctttattca 420

atttgtacct ctactagagc tatgctgatc tgacaatgtg tatagactta caagacttag 480

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gtgtcctagg cagacattgg tcttctgagg tgggaagagc aggggatact gttgttagtt 180

aacaaagaaa aagaaccaac cagtgacaca gagaaaatga agccaagccc accttactta 240

gatcagagaa agctctgaag ggaggtggca ggcaacacag tcctgccaac ataaacctcg 300

tggccaaggg cagt 314

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cctggcgtag gtggagattt cagtttcagt aaggtctaac ttgcccgggt gtgtttaaag 120

caaatgtgcg aggtctgcac agttgcagaa agggatgcga ttagggaagg ttctgaggcg 180

ggtatttaca gtggctgggg aaaagaacgc ttgtaaagag ttacattgaa tgtcacccat 240

ttccctgagc aaggctgaat tctgaatcct accaagcact ggattaggtg tatgaaatgg 300

aatttcgccc ctggtgccga ttgcttcctt tctgcaatcc tagcaggtgg actctccaga 360

aagaactttg ctacctctgg gatccttgcc actgagagtc atggggtggg tcatggtgga 420

gggaggacta agcacgcgcc tacttagcta aaggcatcaa cagtcacctg tggaattaag 480

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ctctacagac agtacatgtt cttccctctc ttaggtgtac tccattattc tcagcataga 180

ctcagaggcc tggtcttagg ctattctcag tactgggtca tagcatgact agcattgatg 240

ttgtngatgc tctgattctg tactcctcta tactgtcgtt naagtatttt ctntattttc 300

tggcctgacc angctcaact ntntcctgta cttntcctng gcctgcagtn agctacttnt 360

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agaggcaggg aaggttggtg ttgctgttgc tggttgntgt tggtcaccat tggttaagga 180

gatatgcaca aaccagaaag aagaagaaat tagatgtcct gactgtgaag atcaaacttg 240

cccttantcc acactgntaa tnagcaggaa atagccctaa taatatngcc tgctttcctt 300

tctagcgttt tgttttttgt tttgtttttt gttgttgttg ttgttttttg tntcctntnt 360

agtgttgggt tgggagggtg gagataggtg gtntaaaaga agaacccaca gantnttaag 420

aagcccggct ataatantat ttcacaagga gcctantntt gcattttgcc accccaattt 480

tctaacgata gcaataatct tctcatgaag gcacagtccc tgggacctaa tcacccatta 540

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accactggca gcactcccct ctcgtttgct gcgagaaccc ccgctgctgt ctctgcccga 120

ttttatgcgc tacagcaaga aataagaaga taagtagagg agagtaagtg acatcctttc 180

agaatataca gccaaagaca gtaaattcaa agccagcatt accacatgtc tctcaggacc 240

acatcatcac gagctgattc aacatgaaaa gggacagaat ccttttgaaa gtgtgactac 300

ctggaactta cagagcacac ntnggncatt ncactcnaaa accaccacct ttgnacagcc 360

aatcaattaa gaagtaaaac accattttct tgatgagaag gatcaggant canacataat 420

atgagtttga gnaaagtaag tggaagagga aaaaaatnat gtntgtgcca aaggncattt 480

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ttccaagctt ttttcctaat atccacttac cagtgagtgc ataccatgtg tggtctnttn 180

tnactgggtt acctcactca ggatgannтt ttcnantncc atccattnnc cttcganntc 240

tnttnttntt catcctcctt ggnnncncca cccanttacc catgnccgca cattagggag 300

gcagatggca ngtgtaggag ctcaggggag gggtctctac catgaatatg aacctgagat 360

tcatcactac agatgacact caagcccgta tg 392

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caggggtcct ctgcagagca gtaagtgctc tcaatagctg agcccctgcc ccatccccta 180

taaagaagtg attcataatt caataaacat gtgtgtgtat atgtatgtac acatatatgt 240

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ctgtgcgaat aagagtcagt gtaatatgaa ataaatagct ctttgctatg ttactccact 180

aacagctaca cagatgtcat acactttata tagacttctc atctttccaa gaagtcttgt 240

attttcattg ttttgtatta catagaaaga tattttatag tctatatgca aactaaactg 300

cctattttca cataatttnn tgggnnatna tanagtnant naccatatnt agnatattnt 360

ctnattttnt tttgtctttt tttttnaccn gtcacnacac tgatatnnat gttnttccag 420

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<223> n is a, c, g, or t

<400> 2715
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acagctcctg ccagcgtccc tgctaccgtc caagtgtgtc cagcttctgc agtccttgca 120

gggccacata tgctggcttt cttggtttta ggtccagcag ctgccattcc caggtctatg 180

ggtcaaggag agtctacact tcaggctgtg gctctagctg ctttagacct gtgagttacc 240

gagtctgtgg ctatccttct tttggttatg gatctagatt ctgtcaccca acctatgtga 300

cttntagaaa cttccantnt tcttgtcaca gacccacctg tggatcaacc aagtg 355

<210> 2716
<211> 437
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<400> 2716
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gcctcttagt tgatagatag taaaggttgc cgagctaatg cattcagaga ggtttttatc 120

tgttaggtcg gacacgggca agtgggcaaa aggaatggct atttaaggag gctgaataat 180

caaaaatagg ctctctttag gctctgcatc tgcaaccttc ccacaatatc gaggctctga 240

tttgtcagtc agcaccgcac aaggttctgg agaaagcaca agttctttgt gaaagttctc 300

cttaaaagac tgttggagct ggagagttgg ctctgggatt aagagtacct gttgttcttg 360

cagaggacct gggttcgatt cccagcaccc acctggaggc taaccacttc cgcaagcacc 420

aggcgtacat gtggtac 437

<210> 2717
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<400> 2717
aattgtatcc agcaatttcc ccatccttag attctacatt ttagagatta aagacttgta 60

cggacttgtt ttctttgtcc ctagactgtt tggggcagca cctgtcaaca gagttgacat 120

tgcacttgct atagtaaaac actccagatg acttcaagta caccagggaa ggcagacatg 180

aagacacttt cctgtaatcc tgacactggg gaggcagagg ttggaaaact gggacaaatt 240

agaggctgtc ctaggccatc agggatatgt aggtgagatt ctacctaaaa agcaaaacga 300

aaccaaataa acaagagcaa caaagtcttt caataaagta tgtgtgatgt ctggcctgat 360

tagatgcctg ccttgntggg taggtacaag ctaagactcg gagcctggag ttcaatgcct 420

ag 422

<210> 2718
<211> 359
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<400> 2718
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tgttaaatgt atgcgaagct atatgagtcc cacctttcct ttctgtcttc cttctgtcca 120

tccttccttc tggtgtatgt aaagcctggg gtcctctacc ctagagggaa ggatggacca 180

aaagaccntg ggntttatat acatgaggcc agtgcttggc cactgaactg catccgtagc 240

cctagagaat actgtggcct ctgtaaagcc atccctgcac cttagcagcc accagctgat 300

ccagccagtc ctattttacc tttatttntc cctctcttcc cgccttcagt attagtgaa 359

<210> 2719
<211> 345
<212> DNA
<213> Mus musculus

<400> 2719
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tgaagtccca tctggagtca gcttcttccg agctgagtcc taccatctat cacaagaaag 120

cacgccacag tctcatccct ttaacagcca ccgtacggct atttctgtct ttagcctgcc 180

agcacagagc cctcctgggg gccgtctatg ttcttctggg tctccaagga ctctccaccg 240

taaggggcat ggtggctcat ctccgaatag aaagatccca gctgtttact caggaaaaga 300

ccaggtgaat cgctgttatc tacaatgata cgaaacccct ggaga 345

<210> 2720
<211> 532
<212> DNA
<213> Mus musculus

<400> 2720
gactctccac atgatcttag gacctctgaa ggatttatat atgataactg gatctgcctg 60

gaataccaga agaggagaag taactgacta aggaaaccca ttttcactaa ttatctaacc 120

tactgtctga agataagaaa aggaagggaa aggattgcat gttaactggg gcccttatct 180

cctcctatcc tcagctatgt cagtcagact caagtgtgac ttgcaccatg tgtgtttctt 240

gttttctaac ctgtagaaga tgggttatgg gttattgata atcatgtaag acatttcctg 300

caataaaact tcacttgttc tttcttccca tctctgtctc tatgtctgtt tctttctcga 360

gttctgcctc ttttctacat atatatattc tttacatata caaatatata tgtacatatc 420

ttatttgttc cttacatata tgtatatttg agtgtatgtg tgtatttgtg tatgtgtttg 480

atatatgtat gatgcacaca cacatatgta cacaatttgt tcctttctct ag 532

<210> 2721
<211> 452
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<400> 2721
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cagaagtatg tgggcagcac aaatcggacc ccatggatta tttaaaaccc acagaagaca 120

gggagtatat gggctaacct gagaggggta gggagaagag tggagagtgg atatgaccaa 180

aatattctgt ataaaactgt caaggaatta attataatct atatccctgt ataaaggaat 240

ctttatctat atccatgtcc atatctatat aaaggaatag tccaggtgga ggaggtggct 300

ccttgcttaa gcttgcactg cagtctcccc aggcagttca caattgccta ngacttcagc 360

tacagaggat tngacntcnt cttctgctnt ntttgtgggc atttacatnt atgtgcacac 420

acagagagac acatgtatgt actcattttt aa 452

<210> 2722
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<400> 2722
aaagaatccc tttgccaagt gcattcactg gcagagttct gaaagctgtg gtctcaatgc 60

cacagagtgt taataacttt atacttatta attaatctca gaggcaagag ttgtcctgcc 120

cactgaagac ggcaccaaag gaatgaagat tgttcagggg tcttgcatag atcaatgacc 180

aagcaagtga cagaagatgt tgggctcaaa acaccagaac acattcagtc atcagcctgt 240

ctctgtgctc tctcttccca tccagccaat gaggaaacag aacagaatat ggcttgctgg 300

gccatccagc tcttcacaga tcaatcccaa tcctactaca aatngtgtcc ntaccaaaac 360

cagccagaag agcacatgtg accaggaagc cccagtgact gganatgntc agggtaatga 420

tatgattgag gtttatattc aacattcatg gaatcagatg aaaacccaag tgggacccat 480

t 481

<210> 2723
<211> 523
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<400> 2723
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cacnttgnaa ataattcttc cttcttncca gctcttgcct tccacctcgg cttntccaag 120

agtggaagaa caggtttctt ttacccttcc caagcacaat aaagcccaaa ccaccatccc 180

attgtgttct tggccttctc ttctgtcagg gnaggataat tatagtccct ttctccttgt 240

attctcgtag ggatgaaata agatcaggca ggcttccaga attggcacct ggncaggttg 300

ctttatgccg ggttgctcaa aacctattcc gactacaatt ccttggtagc tgtttcctag 360

ggctgcagag gccacctttt ccataactct cgaagcgatg gctgtattta tntttctctt 420

ctgcgtgtag agggagaagg agggagggaa acacctgttt cgttggcgct gatggaggca 480

gaagcaatgg tattctggga tcaggagctc tgacgacaag ctt 523

<210> 2724
<211> 425
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<400> 2724
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caaggcagca tccagcaggt gggagtgtgg agttgtggaa ggctggcaat cctgagcaga 120

accggttggt tgctgggaca ctgtgcgggg agatcaactc tagccactcc tttgctcttt 180

gtcagagccc tggtgattca gggcagcaga ggaagcaaaa gggtcatgtg gcctctgctc 240

ctctctcctc tgtcctcaag cttgcagttc taaggtcctg atgatgggga ccgnttcnta 300

atggagtgtg tgccctgttg tntctgaatc caggcacaac aatatcntca cagacagacc 360

tgtcactgtg agtggtgagg gagttctgcc accttntcca gcttcagtcc tcaaataacg 420

cacgt 425

<210> 2725
<211> 437
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<400> 2725
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gagccttgcg ttggggagga tgcacagtcc cacgggcctt gagagctttg catcagtcag 120

agacgcaaca atcctgtggc atccttcatg caataattta tgaccatgaa tattatttat 180

ttctgaattg gagctataaa ttcaccaggg atttctggca aagaggaaaa gctactttcc 240

gaagtcaaac gccagtctcc attttacaaa aagaacggac tgaccactca agtgatgaag 300

atgtcgggga agattgtgca agcttaagga ggcagatcct tgctggagaa agtggatcac 360

tggagaaaag tcccatgtcc tctgtatgtg tgccactcca cctggtcant ntgcagacat 420

tactctagca ttgtagt 437

<210> 2726
<211> 466
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (257)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<400> 2726
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gccggatccc tgcgtatctc taggatgggg cgtgcacaat gcttgactac tgagatgtac 120

gagccaggtg tgttgaggca gaagtgggca cagttgtgtt ccaagacgct gcacatgtgg 180

actgctgcaa aggaagacaa agaaggcttt cttggagccc ccaggcagac ccaggtgctc 240

tttgggatga ggtcctnntc tggaaagctn tcctgggcta tgaaggacac accatgtcca 300

cacccattnt tctataagga gaacntcttt ccaacagtcc tgaggctcat gcgtggagag 360

gaagtactta ggctctgaat ctcggaagct ggtgtttgaa ctatttattt ttctccaagc 420

ctcagtttct acttttgtac ttgggcacca caagaatacc tgtctg 466

<210> 2727
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (236)..(236)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<400> 2727
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ctctatccat caggcatact gtgcccagtt cgacccatct acagagtggg acagaagggg 120

gcctgtcttt cggccagtgc ccccctcccc agtctaccca ctgggagtcc cggaaagggg 180

ggcggttggc agagcaccca ccagcaagga accctgcctg cgccccaggt cctttnggaa 240

gtcctcaagt gctggntntg cagaaggact tgccctggcc agacagtggg aattcagtga 300

cctggtcata ntcaggagga aattgaaacc tgtgaggata gcttgctntc ccagactgta 360

ttagagctgg tttctgtcct ggtccttcat gtatgtagtt aagagagggc ttccagcgtg 420

ttccatgtga 430

<210> 2728
<211> 438
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<400> 2728

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ctggcattct gcaaggcatg cagaaagctg caatggaacc agaggtacca gacagtcccc 120

agtgtagcct cttggttcca gtgaggtggc tgaccacggt cctgcaggca ggagtggcta 180

acccagaaga catcatctgg aggccctgag tgacagacat ccttatctgg gacccctctg 240

tgtgtatctc agctgcccag agccttggtt ctgggatctt cacatagaac tttgcccacc 300

aggaacatgg ggagccagaa acctgtgcga catcaaggga acntgctccc aacacacact 360

gctccaggac cactgacttc ccagtaccac tcccactggt tggtgatggg tctgcctcaa 420

ttgctcgtgg tgtctatg 438

<210> 2729
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(299)
<223> n is a, c, g, or t

<400> 2729
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ccttatctca ctctgggtca gagttgccct tccttccttc ctggagcctg ggctctggct 120

gatagctaca accccaggga cctccttgtc tggctagccc tgagttgcat gcctgctgct 180

gaggccnttc ttcctgcctg cctttcctgg ggnccagaga ggggnaaggc aagntccttt 240

gcaggcctct gctgnctngt nctaagggtc ctgtagtcct tanggagaaa ncnnnnnnnc 300

ccggaggtca gacctgtcct cctcccacct cctcctttgt tagaagggaa gtggtgggct 360

gggaactccc ttcttgcaca gtataatggc ctagggtgct ggccactcag agctgggacc 420

tcgcctgcct gggtggaaat tgctcgggct agggtggaaa aggagttgga ctaatcctac 480

aagactaggg tgatccacct accctctacg aagtctgtgt ggcaa 525

<210> 2730
<211> 534
<212> DNA
<213> Mus musculus

<400> 2730
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ccgcaggtgg tcatccgaca agcccgagtc tccgtcaact cggggaaact gttgaaggca 120

gaatacatcc tgagcagcct gataagcaac aacggagcaa ccgggacctg gctgtatagg 180

aatgagagtg acaaagtcct ggtacagtcg gtctgcatac agatcagagg gcagattctg 240

cagaagctag gtactgactg acgtcaatcg tcagcccctg cggagctcac ggcagaggct 300

ggctacaaga atttactaag gagttttctt attatgtttg gttaaagctg tgacaccccc 360

ccccctttcc catagtagtc ctcttgagaa gaaaatgaca ttagatacct ggagctgaac 420

tgagtgtgtc tgtgcacact tgtgtagcct gctgtgtaga ctgaggagaa aagagcttga 480

ggctggaggt tggatctagc ctgggcagca tagcaggagc tcatgtcttt aaaa 534

<210> 2731
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<400> 2731
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ggtgaagcng tgccctctta cagaantaga taaagacatt gtgaacaccn nncggncgcg 120

ggggcttcgt agaaagctaa aagtaggntt gccgtatgat ccagcaagct cacttctgga 180

tagagcaaag gaagtgaagt cacagacaac cgctttatgc ttatangttg cagtgttata 240

attggtagca atttgcctga gatgtgccaa ctgatccaga tgaagaaatc aggctacaca 300

cgtacaatag aagggaatgt gcttcagcct tggaagaggc agtcctgacg tctatgagtg 360

aacatggaag acaaatgtgc ccctcaggga aagcgacaca tacaagtttg tctagagaac 420

tagaatattc tttcttgtgg aaagaaaggc catttcccac gagagctgat gaccaggatg 480

cgaaatgaca tctggtgacc gcgcagctgc ggattgtcga atcca 525

<210> 2732
<211> 549
<212> DNA
<213> Mus musculus

<400> 2732
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gtcatggaca acttgctggc catgatggta ccaggacacc tgcatgtcta agcacagcat 120

ggtatttgat atggagacct ccggaatccc acccatccgg cttatgctga gcgctaagat 180

ggcagttatg ttggaacgga agtagtcagt ggcgcatcag gactgggtca gctagcgctg 240

gtatgtgacc atccacatgg cagccacaaa gcagtatgag ctgtgcttca agctgttgga 300

gcccaggtcg cagcaggagt gtaagcagtg tggcatagtc catgtggatg catgcgcctt 360

tgatgtcctc aacctgtggc ccaacggtac gtacaagttc tctatctaga gggcaggtag 420

atacaccctg gtatattagc cctggcggga aagcctcacc ttgcagatta cgccaggacc 480

ccttgagggg cctgccccca gtctgggtaa ggccagcctg cccctgtccg caccttctga 540

gagatgatt 549

<210> 2733
<211> 89
<212> DNA
<213> Mus musculus

<400> 2733
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tctctttgcc tacagaccac attgctcat 89

<210> 2734
<211> 395
<212> DNA
<213> Mus musculus

<400> 2734
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agggtctcat tacgttgcct gggcagtcct tgaaattata atgtagcctc aaaggttttg 120

gatttccact tcccctgcct cagttgtcca aaactggatg gaattagaat ccacactagg 180

tctcatctcc atgccaagag tcattataca ctctgaagaa agccggaatg ctgggcatgg 240

aatcatgact cgttttaagg aaattgttgt tctgtctcag gaggtatttt atagggcttg 300

tagtgagttt tgatttcaca ttatcaagag ctgaacaaga tgccatcagc tcccactaat 360

ggttaaatca gagccattta gaaggctgcc cattc 395

<210> 2735
<211> 378
<212> DNA
<213> Mus musculus

<400> 2735
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aggagaatgg gacagttcag tgaaaggaaa caatgcaata aataagatta gtttgctcgt 120

cttgtgtatg cttgtgtgtg tgtagtgttt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 180

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ctgcagggta caagtagagt ttggagacaa cagtgtggag ctcacatctt tatgtgcttc 300

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<210> 2736
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<212> DNA
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<400> 2736
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catccgcatc tgcaagcccg agccaccttt caccctgcag gggcctacct tctaccccat 420

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<210> 2737

<211> 528
<212> DNA
<213> Mus musculus

<400> 2737
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aaattgttct gtttatccca aagtaggcta gcaaatacaa caaggttctc ccattgtgac 240

caaccagatt ttgcctaact atagtgacta caaaaaatat atgggtgtta catgattaat 300

tcttagagtt atcatcagtt catcacagtt cacatttttg tagccattct tagtgtttcc 360

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ccctatgact acctgaaccg atggacagca aacaagcttg atgctgttgt tgtgggaata 480

gagtaagaaa acgtaatttt catgctatgg tcatagtctt cccagaat 528

<210> 2738
<211> 508
<212> DNA
<213> Mus musculus

<400> 2738
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tagagccctg ccacagaagt gggtaccgcg agatggatgg gatcgccctt tccttcagga 180

agtaggaatc cctgtattac aaggactcaa attctgccgc tagggggcag tgccccacag 240

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atgattgctc actctttaaa cataccag 508

<210> 2739
<211> 417
<212> DNA
<213> Mus musculus

<400> 2739
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aagctgggtt tctttgtttg tttttgtttt tattttcttt tagcttttgt ttttattgag 180

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gtctggtggt aggatttaaa ccatggccta gtacaaaact aggcccaaac tctattgatt 360

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<210> 2740
<211> 424
<212> DNA
<213> Mus musculus

<400> 2740
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tgaatcttgt atttttggc taatatctac ttataagtga atacatacca tgcatgctat 360

cctggtactg gattacttca ttcagtatga tattctcaag taccatccat gtgtcttcaa 420

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<210> 2741
<211> 404
<212> DNA
<213> Mus musculus

<400> 2741
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cagagtctgt cttccaaaca aaacacagta tctaaactgt gtcatagtta aagctatggt 240

gatggctggc atggaaatgt cctccaaagg cttagatatt tgaaaacttg gtccccagtt 300

agtgcatctt gggggaggct tataaggtgt catgttgctg gacaaagtgt gactccagag 360

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<210> 2742
<211> 440
<212> DNA
<213> Mus musculus

<400> 2742
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ttccctggaa accatttgtg agatgtacct gtgacacaat gcctgccacc attgaaccct 360

gggcttctaa ataattacct taaagacctt aaggatgtcc aaacttccat cctccagact 420

tctggcaagg cacgtttgac 440

<210> 2743
<211> 352
<212> DNA
<213> Mus musculus

<400> 2743
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gtccatctgt ctttaatcca ttctctcttt tctattgttc atttctctct tg 352

<210> 2744
<211> 392
<212> DNA
<213> Mus musculus

<400> 2744
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aaacaagccc ccaacagatc aaagctccat actagttccc agacagttct aggtaactgg 300

tgtacctccc actgcaacgt aacccccttaa aactactaag atgccccacc tcctaaacag 360

accatttcta ctattatctg tggtcctggg ag 392

<210> 2745
<211> 482
<212> DNA
<213> Mus musculus

<400> 2745
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taaagtctca taggaaagta tggtggccta taggtttgtc tttattaacc cttgcaacct 180

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gtatctcctt tgcccccatt atcaaggaaa gaggcaaggc ctggatgtgg accttgtgaa 420

ggaaaagtag actgaacaag atcagctaca caaactaggt tctagaaagc tctctgatct 480

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<210> 2746
<211> 438
<212> DNA
<213> Mus musculus

<400> 2746
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cttcctggac agaaagacca aagaaacact tccacaggaa accctcttgg tctcttaggg 240

aagaaaacag ccaaaggaac ctgatacttt cctcaagtgt tctaactaag aaaatgcctc 300

agatggaatg aaaccgtcaa tgggaactga ggaggcgcac gtgtgaggtc cagcactgcc 360

acagagagga aactactggt caaggattgc ctcgcctatg tcagagggag tgcgcgagcg 420

cgagaaagta gctgttct 438

<210> 2747
<211> 437
<212> DNA

<213> Mus musculus

<400> 2747
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tctccaataa ggccacactt cctaatagtg tcctcactat ggccaagcct tgaaacactt 120

gaatctatga gggccaaacc tattcaaacc actacaggca acaagaaaca aatttaaaga 180

cctaaaatca ttgactgtat ctgataaaaa atcacataga ctcccactgt cttcgcactg 240

tctttcagtg tccaaggagc agttccatct atctgtaaca aggctccctt gacaaaggat 300

caaattacaa tgtggatttg tgtttcctaa aagcttcttt aatttggagt tagcttagca 360

catgccatat tgcatggcca ttctcttcca tgtagaggat ggctaagtcg ccaaccctac 420

tcaactgtta tgcacac 437

<210> 2748
<211> 539
<212> DNA
<213> Mus musculus

<400> 2748
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cttgtcacgc aaccgtgaaa ccaggacaca cagagattca ggtgaacttg aaggaactag 120

aggcagccgc ctggttcagt cttgatgagg tgaccacagc cctgaggaga aagggctcct 180

tggctctgca gccgagtgag gcttccccac tgttgctgcc tcccaagtta gccattgccc 240

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tgtcccagct accatggagg cggaggcaga ggcgagagcg tcacttttgc ccaggacaa 539

<210> 2749
<211> 467
<212> DNA
<213> Mus musculus

<400> 2749
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acagcccttg aagcacaggt gcttgtgggc tggggcttgc tatatgatga actacatctc 120

tagccaacta aagagtagtc tcatcttaca gcatctgcta gcatctcctc ctgcttcctc 180

tgccacaaca aatagcagaa ccattgcttc aaatgccacc tgtaatatcc tagtccatga 240

agcagctgct tcttgctagg acacacggtg ctttcccatc aagccctgcc cccaccctcc 300

cctccttctg gcacagactt ctgagccttc tggctctgct gtcatctgtt ccaggatgcc 360

tttcctgtcc ctgagcaaca cgaacagctt ttctcagggt ccacagggaa tttcctgtgc 420

tttcctcaca attttgctct tcaatgtggt ttctccacat ctggtct 467

<210> 2750
<211> 399
<212> DNA
<213> Mus musculus

<400> 2750
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actagggacc tgctgccaca gtcacgtaga gctcctaggg cattagctcc cagagtccga 240

aactgggctc cacactgggg gatgctgcag gtgtcttagc aactccatat ctttcctgaa 300

gtgctgtcca aaggattaga gacaagtcag gcaagagctc tttaaaccac acccagagtc 360

tcttagagaa tctggttcca tcagaactcc agctcaggg 399

<210> 2751
<211> 455
<212> DNA
<213> Mus musculus

<400> 2751
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gaagccttga accatatggc tctttttttat tttttgaaaa gagatttgaa ttctgaatct 120

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cagagctaag ctgtcgactg tcccacattg ggtgtccttt tctgggcagt attcttttgc 360

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<210> 2752
<211> 376

<212> DNA
<213> Mus musculus

<400> 2752
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tgctagcatt gactacctcc tgtctgcact tttatcacta ctttggggtt tgaccactgt 120

gtacaggtca cacatgcagg agagaaatgc ccatgggtca gactcagctt tctgacatct 180

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cacacaagga aagtgtggat tctacacaga gtggtgagca acaggaaact caggtcccgt 300

agtctgtccc aggcttgact aaaaatgtct tgggttccaa ttcatcagga cttgacacat 360

acttctgctc tgagca 376

<210> 2753
<211> 358
<212> DNA
<213> Mus musculus

<400> 2753
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tccactttga aagtaataga gaaggaagaa gaaagaatct tctttagccc atatagagag 300

aatcccttat aagcatcacc tgtctataaa aaagcatatg gccattgagc tgaaatta 358

<210> 2754
<211> 336
<212> DNA
<213> Mus musculus

<400> 2754
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aatctttaag ccgctcgctg agttcgagtt taagaggagt ccgtatggtg acaacccctg 300

gaattacagt cctgtctgtc aggcttcttg gaaaac 336

<210> 2755
<211> 495
<212> DNA
<213> Mus musculus

<400> 2755
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<210> 2756
<211> 548
<212> DNA
<213> Mus musculus

<400> 2756
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ccttgtcagg tcatctactg acagacgtct aggctggttc ctttccctgg ccaccatgta 540

gcaataaa 548

<210> 2757
<211> 352
<212> DNA
<213> Mus musculus

<400> 2757
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cgctagctag gcctttgtgg acctgaaaag atccgaagtc tctcagaacg cc 352

<210> 2758
<211> 247
<212> DNA
<213> Mus musculus

<400> 2758
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gagctgaacc ttttgaccca tttaactgtg gatcagggga ctttcctcct gatattcagt 240

ccaaatt 247

<210> 2759
<211> 533
<212> DNA
<213> Mus musculus

<400> 2759
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ccgatgcatt caaatgctca aagtagctag agcactgaga tcagctgaga tggacatgaa 120

gcaaagaagt gaagaggagc caaggggaca ggagggaagg gaacaaaatt caagagagat 180

gaagatcatg aagaagttga agcaccacat tgagagggct cggtttaaaa tctactttat 240

cttagagctg gacatgacag gctcatacct gcatacggaa cagcccactc tactgagcat 300

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ctacctgtac ttgatgtaag aggaccctgt tcctcctccc aagctattga aaa 533

<210> 2760

<211> 487
<212> DNA
<213> Mus musculus

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tttgtaacat gcttgcctgg aatgcatgaa tcctgcccag gctggacttc ttctgattag 420

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<210> 2761
<211> 500
<212> DNA
<213> Mus musculus

<400> 2761
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<210> 2762
<211> 517
<212> DNA
<213> Mus musculus

<400> 2762
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atactgtgca gtttaaatct tgaagtcaaa aaaatctgaa cccacaagga gaagggcagg 480

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<210> 2763
<211> 502
<212> DNA
<213> Mus musculus

<400> 2763
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ttttaaaacc tccccattct gtgcattctc taggagttaa aggaagcaag aaaatgaaaa 180

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acattggact tccttcgcct ctgcctctct ctgatagcta ttagctaaag gatcacataa 420

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<210> 2764
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<212> DNA
<213> Mus musculus

<400> 2764
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cactctcact tctcagcccc ttctgtgtta tgtcatctct ctttgttccc catggaatga 180

gacgtttaaa ttacaataca gagcagctgc catttgagct cttgagaact ggtgtttgag 240

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tgttgcacat ggtataaaag taaataaata aacaaccctc aggttgacac atgagttaaa 360

gcttatacag aaggctttac attaatggga tgaaatattg atttctaaga aatgtcgctt 420

gccttgtgtt tttgttttat ttttatttat ttttttattt attttggtaa ggaaagtcaa 480

cttttgtttt tatattagac tgaatctcac atggatgaac cttgtgatac ctcaaat 537

<210> 2765
<211> 491
<212> DNA
<213> Mus musculus

<400> 2765
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gtcaagttga agattcttgt ttgctgttta actaagttgt ttaaaaactc agaacaatgc 180

ctgcctgtta aatttccact tgttctcatg ggatattgga aagcaaagtt tcctgttgac 240

tgagtgtgtg gacacgtcat ctttttgagt taaattcagc aaacgggatt agcaatgaga 300

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taatgtttat gtgtgtcagg ggctggttac agccacacat atcacgttca gctttctaat 420

tttaccccag tgggaaggta caaatgtgct cttctaaagc aggaaggcac agaaattgtg 480

gccactcctg t 491

<210> 2766
<211> 184
<212> DNA
<213> Mus musculus

<400> 2766
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agaggcaggg ctgtctttca ggaaggggga cattcttcag attatgagcc aagatgatgt 120

gacatggtgg caggctaagc atgaaggaga tgccaacccc aggagcgggc ctgattccct 180

ccaa 184

<210> 2767
<211> 444
<212> DNA
<213> Mus musculus

<400> 2767
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ctcaaacttt gatgtttatc aggatcttct gggcagctca ctgagctgag ccccagcttc 120

catagcatag ataaggacct gaactctgct gggaacttcc caggagctca gcagcagaca 180

caaggtggga tccatggcgt tttatattgt ggaatcaacc cactaggttg gacggttaac 240

ttccatcatg acttttcaca gcctcctgca ccgtcctaac ccaatctggt gtggtcctga 300

ccagttgaca gctcactgtc ccctctctct ctttcctgct cttatgccca tgacaagggc 360

tttccttgct gagctctgac cttcctctca agccaatagt ttcaggaaac taagctctgt 420

cctgcccacc tacatgtgat ttat 444

<210> 2768
<211> 560
<212> DNA
<213> Mus musculus

<400> 2768
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tgtatggatc ggggaagtgg ctcagttgga cggttcttgc catgcaagca ggagaagctg 180

agtttggatc ccagcacgca gagaaaagca ccacagcgta cgtgtatgac ccctgcactg 240

gggcaagcgg tgaagcacag agaaagaagg gtccctggaa tgtgttggcc atgcaggcag 300

gccaaactgc taagcttcag gagcagtgag cgtattggtt acttctctgt tgctgtgacc 360

aaaacaccat aacttaaaga aggaagagtt tatgtagggg ctacagtccc agaggaggag 420

aaatggtatc agaagaccaa aacaggaagc taagaaatca tagcttcaac tgtaaacaca 480

aagtagaaag caaaaatgta cggatgaagc tatgaaccct caaaactgtc cccaatgaca 540

tatttcttcc aacaaggctg 560

<210> 2769
<211> 406
<212> DNA
<213> Mus musculus

<400> 2769
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tttcccagct gaaaaatgcc ggtgaaccag cacgacaagg ctgtcatgag taccagctta 120

cggttactgg caaacagcaa gcacaattaa atttcagtat tgagtcacct gtcaactgat 180

cagacttcaa ctccgactcc tactgctgag ttttcaggct gcgtgggatt tttgccatat 240

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tacagaggat atatgctcgt ggtttagaac atgtgtgatg cacacctttc ttgtttctta 360

gctgtgagtt cttcagccca gaaaggtcga ctacaggcgt tgattt 406

<210> 2770
<211> 505
<212> DNA
<213> Mus musculus

<400> 2770
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aactcgtcgg ggctgccaga gcctcccagg cttttactct acaaacttga gctccatctc 180

tgaagcagat catgttctgt gggatgggaa agggcctctg tgctctctgt aggagtcaga 240

agttgagcat caccaaccca gtcttggctg gatgagagga gtgtctctga agagaagcgg 300

ggctctgatt gggcagtagc ctgagccaat taaagcgcag ggaggcctaa agtcaaggag 360

agggactgcc tctactcagg cagggtatac aatgttatgc ttggaagaga caaaaaaaaa 420

aaagtgtccc tgaccttcag ctctgaaatg tggtgagcac aaggcccagc gcagaaaact 480

gagcctcaga gagaagtgac ccggc 505

<210> 2771
<211> 529
<212> DNA
<213> Mus musculus

<400> 2771
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agcaagaggc tacgctgcag aatgagcttc gtcctcagac tctgggtgct agttgtgccc 120

cacgctttgt atttgggacc ttcagttcgt ttaactgttc agcttcctgg gctgcctcca 180

gaccttgtct ctggctgatt cacttttctc tcaggcccac catcccaaca tcattaatcc 240

agcccctctg aggctgtcac aaggttcatt catatgcata ttagataata cccgttagtg 300

atgcccatta attaagcaga gcaatttgtt tataattaac tggagaaatt tatggcttca 360

gaaaacaatt acaggagccg atataaacac attaggtagc gatagcaatg ccaagtctaa 420

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gagcttgtaa attcatcatt gcttgtagaa accaacatct caggcgatt 529

<210> 2772
<211> 319
<212> DNA
<213> Mus musculus

<400> 2772
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tgccttgctt gtcctcggcc ccgaccctgc tccagcgtcc cccgtattgg gcgtgtgtcc 120

ggaagtggca gcgacccagg ctggacgccg cgagagtaaa cccgtgtcaa gccgtgtaag 180

ctctggggct gacagctggg aggcggctgg cgcagtcggc gcccctcaac gatgtcccca 240

cctcccgcgt agaaccgcca gagttgagtc ctctcccagt gccggaacct catctacctc 300

tttgaggaac tttgatgtt 319

<210> 2773
<211> 484
<212> DNA
<213> Mus musculus

<400> 2773
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tgtgatacat aacaagtggc aaagatggag cttgaagtca cacttaaatg tagctgtcca 120

tcaatgctgc ttatgggcat ttgtaactaa gacacatggg catctcagtg gaattaatca 180

gcatgtggat tcccctcaac tgagggtaga gtgaagtcac caggcatact cgtgctgtct 240

gccttcccat attcggaatt cgcttttgca ctggtttcga gtgaccacac tgactgtggg 300

cttttgctga ctttaagtga cagaagagaa cagatgtctc tcctttgctt ttctcagttt 360

gccttgatca gaagcaatca aggcaatggg gctgctgctg ggctctgtgg ggaaatcaag 420

cttccgctgg ccttcgtgct gcctgagccc agaagctgct gcaatcctga aggcggtctg 480

catc 484

<210> 2774
<211> 441
<212> DNA
<213> Mus musculus

<400> 2774
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ttctgctcag aggtccaaat catcctatct gtttgaggtt tctggggatg agtctagact 120

gcacctcaaa gccctaaagc tctaatctca ctttgtgatc cagaaggtgt ttccttgatc 180

tacaaagctg gacatccatt tgtcaggcaa tagaggagtg cacagtcctc ctgcccatca 240

cctctaatag gaaacccaga tccttttcga tgccacctag gatggcagta cttttctcag 300

catccacagg ccccttagag ccccatccat tcttccatgc caatagcagg aaggtcagcc 360

ctaccataag gtatgttcac cacaggcttc tatgtctgct ttctttcttt ttgcttttct 420

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<210> 2775
<211> 335
<212> DNA
<213> Mus musculus

<400> 2775
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tacaggagag agaggaggca atgccgagcg aacgatttgg atccctgctg gagaaaattc 120

caagcaagat gaaaaatgac ttcagcctgg cctttggcct gttgctgaga tgtaggcccg 180

aggactgtct ctggttacct tgtcaaactc agcagcacca ttaagaagga cactgagcag 240

tggagccatt aaataaatct aagagaaatg gcagctcatc tgcatctgaa gttacacagc 300

tgagaaaagc ctccctgtgc tctaatatgt gtgta 335

<210> 2776
<211> 352
<212> DNA
<213> Mus musculus

<400> 2776
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ctgccagcat ctgactaaga tagatgcagc tcctggattc tatgatgttc ttttagaagt 120

atgtagctgc ctcttgtgga agatagacat gcatgttctg acagctcaaa gaaaaaatta 180

tttatggaga attgttgcca aacagcctgc tgtggctctt agagcatttc tgtgtatctg 240

ttgagccagg cagctgccct gtcatgcaga ctgaatgttt aagtgcattg tggttggctt 300

tggtggtttg tatgaaaata gcctttgtag gctcatttgg tgtggccaag ct 352

<210> 2777
<211> 532
<212> DNA
<213> Mus musculus

<400> 2777
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cccacccgag gtccattcca gctgtcctgg cgatcccgtc caagaagcat ccctacgatg 120

cagccaaaag actccatcct gcacagtgcc aagggactgc aggcaaataa gcaatatcct 180

gcctctttgg caaataatgg atcgtttggc ttcctgaact tctgcataga ttgtgtgtct 240

ctccctgcgt ttacttaaca tcttgagcag aaatgatgga attagagtga tttcttactg 300

gaaaccaagc acagagagga gcaagtgctg actactttgg ccacggtgca agataaaaca 360

gatgtccaga aaagtcactc cctgacatta ctttaaaata tatgtttcac cgatcttctt 420

tatcgcagaa aaaattcttt ccaactcatc ctttctgttg ctgatcttat aagcacccat 480

atcaaattat agatttgaaa tagaagagtc accctagacc tctaatgtca ag 532

<210> 2778
<211> 455
<212> DNA
<213> Mus musculus

<400> 2778
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tgctgtctgt aaatctaatg ctacgggatc tgacacccct ttctggcttc catgagctcc 120

aggcgcacat gtggtggcat cttaaggcca tcagcaagac aactttgagg ctgcctctgt 180

gtgtgaccct ggctttgaca actgtttcca gcaccattgc tgagcacctg caggcctgcc 240

tgtgagcata cactagcatc tggccgaaac cttctggagt ctccataagt gccatccttc 300

tgccccgtca cagctggaga attgcatggc agacatgggt taagtcacca agctcccaga 360

acaacctaac tagagcaaag tccccatcag aaccatgcag caggttatct gcccagctgt 420

tccccacttg gtgagtgtcc tgtgtaacct ttata 455

<210> 2779
<211> 391
<212> DNA
<213> Mus musculus

<400> 2779
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tgcctggagg ggacacaccc agggacacac cttgcacaca cacaccctct ctccttccta 120

gatgccttga ggtgagcaac tttgctctga aaggaactgt gactttcatc agggtgttct 180

ttttcacttt gagcctgaga caatgtagcc ctctgaccat gcgctgcacc tttggaagct 240

gtttctgttc agcgattcct tggttatcgg ctagtgatga agtatgtcac caatgtcttc 300

tctggatgct ggagcccttg tggcaccatg ggttccatgg ctacactaaa atactgttat 360

tcatcagcat tgctagagta cagtcctggg t 391

<210> 2780
<211> 487
<212> DNA
<213> Mus musculus

<400> 2780
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ctacatcgaa agttggaaac agtggccccc ctcctgctcc cagccaagag aaaaccagcg 120

aggagctgca agatgaatta aagaagttgc aagagcaaat gaaatcctta caggagcagc 180

taaaagctgc atcaattaaa cagcctccag ggacagcacc cttgcaggaa ccacctggta 240

atgtgactgt aattgtagca gtaatttgca tttttgttac caagaaacaa tagcgttagt 300

attttcaccc agctcctgcc aaaactgtag cattcctaat ttctttcatt ttcaatcggg 360

aagattcatc tctgcagcca ctgcttaagg agaagagaat tcggagaatt caggagtcag 420

cgtgcttttc tgcagagctt gatgtcccca ctttacccaa agccaagcgg gttgctcgga 480

agccaaa 487

<210> 2781
<211> 482
<212> DNA
<213> Mus musculus

<400> 2781
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gctgtctgaa cctctcatcc tgaaatggag taaagagcca tctttttctc ccaccacacc 120

catcacgggg atcactgctg gtctggttct ccttccagtt ttggtcactg gaggtctgtc 180

tgcaaccata cccctggaat attgcctgag gtctaggact aagagtttcc tctggaacca 240

aatcgttctg cattctgttc tctgccttta tcctcccaga gatggagaag gatgttaact 300

ttattatttt tatcatttta tctccacccc ttaacctcaa gtcccagcac tgaaagtctc 360

gaaaggaaac agagacctag tccctccctc attctgttaa acaacccagc agctgggcac 420

agcctgatcc ttggctccac tgtggcggga gtcctgtatc ttgcatcgga tctggtggtg 480

tt 482

<210> 2782
<211> 357
<212> DNA
<213> Mus musculus

<400> 2782
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tcttcatatc aaatgagaag aagatggtac ctatttggaa acagcaggca agacctgaga 120

atggacctgt gatctgggac taccatgtgg ttctgcttca tgtgtcaagg gaaggacaaa 180

gcttcattta tgatcttgac actattttgc catttccctg ccctttcgac atttacatag 240

aagatgccct taagtctgat gatgacattc atctgcagtt taggaggaaa tttagagtgg 300

ttcgtgctga ctcctacttg aagcacttcg cttctgaccg gtctcacatg aaagact 357

<210> 2783
<211> 498
<212> DNA
<213> Mus musculus

<400> 2783
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ggtactcagt gtcttggctc agaacttcct caaaggaatc aagaggcctg tttcaaaaca 120

tgctaacaga tcttaggtac caggagggaa aggccagcga agagacagaa ataaataaat 180

gtggtctgaa tgttaatgac cccacaggct catatatttg catatttagt ccccagttag 240

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taaacttctc agctactgtt ctagtgccat ctgtcccagc actcttcatc ataacgatca 420

gggtggagta aaacctctga aactttacgc aagccccagt taaacccttt tccttcctaa 480

aagagctgcc ttggccat 498

<210> 2784
<211> 454
<212> DNA
<213> Mus musculus

<400> 2784
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agccaagcat tggatggaac ttgaggactc tcatggaaga gttgggggaa ggactgaggg 120

cccgaagcaa attggaactc tacaggaaga tcaacagagc caactaacct ggacccttga 180

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ccccccacac acacacacac atgtagcaca tgtgggtcct gaacaactca aatggggact 300

attcttaaag ctgttgtctg tctgtgaaat ccattaccct aacttagctc tcttgtctgg 360

ccttggtggg agaagaagtg cctagtcctg cagagatttg atgtgccagg gtgtgggaat 420

acccaggaag tgcctctact ctcttggagg agaa 454

<210> 2785
<211> 540
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<400> 2785
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cagacgtgga ctccccaccc ggccccctcc ggctacacat cagccaagcg taagctcgag 180

ggaagaactc ttctctggag gcgttcacct tgccaacagg tgtggcaccc gaaagaagag 240

ccatcacatc cccacgaggg tcgctcagtg ccgcgttctc tttgcagcag aaaattcttg 300

aagaccagta ggtgtcaggc cagcatctga cctctttcag gtgcttagaa ctgagagtct 360

ggaaactcga tcccttggtc tcgctggaag ccactactat ttatngactc taagccggat 420

ttgagagacc ttttggctcc gtttacgtat gacccaacaa ttagtcactg tctgaagcag 480

cgtacagaat caccaagaga aacgtgtgcg cgtttaaact actgtattgt ggagccggca 540

<210> 2786
<211> 530
<212> DNA
<213> Mus musculus

<400> 2786
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tataaagtca cagtcctggc cccaactgaa gggcgtatgg tgtgcacggt tgtctgcccg 180

cacgtccggg tggtattcct cctcaggcga tggaggtatg gtgctgactg gtccttcagc 240

agctcccagc ccctgtatgc tcctgcaaat taccatgctc actcatcact cccacgcccc 300

acccccagag gcgtccttcc ccaaacaaca cacatcctca aaccaaggat cccacccaca 360

ctcctgtgca gagatgtggc ttcaaataag ccagctgcca gctgctcctt ggagctgaga 420

gaatgtccca ccaagacaca tttcccagag aatgaggaag actccacagc tgctgaggag 480

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<210> 2787
<211> 357
<212> DNA
<213> Mus musculus

<400> 2787
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tgaggactgc gtacgtgcct ctctgcgtgg gggagtgggg aatgctgggc tcatcctctg 180

gaacccagaa ggcctagctt ctagaaccgc tgctgacagg tgtctgcgga ggaggctccc 240

catctgctgg accaaccgcc ggcttccttc ctctccccag gactgagtca ctggagcatc 300

tatctgcacg ctgcggtttc gactttcccc caagtgcata gcgagagtcc tgacgtt 357

<210> 2788
<211> 219
<212> DNA
<213> Mus musculus

<400> 2788
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acagggttgc cttttcagag ttccaggggc agaggcaatc cagggtttc tacagctctg 120

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ttctgcttcc tgaagtcttt gtgactctat agctttgtg 219

<210> 2789
<211> 409
<212> DNA
<213> Mus musculus

<400> 2789
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aacaggcaga gagtcaagag cattgtgact ccactggaaa acaagagaaa aatcaaccta 240

gaaaaagaaa tgtagtggag gttaaaaatc tttcttcatc tcctgaaaac tcacaaggtt 300

caccccaaca aatacagtca aagcagaaac ctttgattga gggaggatct ggtcaagaga 360

gagtacctcc tcctcatcct cttaaattgc tccgaccacg agtagttaa 409

<210> 2790
<211> 381
<212> DNA
<213> Mus musculus

<400> 2790
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cgccacggtg gtgggcaatg ctttccaggg aggacggtgg gggcaggagg aggtgtccag 120

catattccca ctgactctgg gagagccctt tgagatggag gtgagtgcag acgcagaaca 180

cttccacatt tatgcccagg aacaaaaggt gctccagttc ccacatcggc accgaccgct 240

ggccaccatc accagagtgc gagtgctcag tgagcatcgg ctggcccagg tggagctggc 300

caagcggagc ctgagctggg gcgatggggg ctactgagca gactggacca cagcctacaa 360

gagccagcct tgaccatcct g 381

<210> 2791
<211> 386
<212> DNA
<213> Mus musculus

<400> 2791
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ttgccttctc aacagatttc aatggaataa aatttccagg ctacttggtc ctagcccctt 120

tctctcctcc aaaagctctc tttcaatcat atcaagcctg ctgcagccag ccctttataa 180

gcaagcgagg gatggaatgg acggggtcca acgcccatct gcccatttta tggcttcttg 240

ttgctacaca cagcgatgca ggctttgtcc cagatcccca aacactggta ttgggtgttt 300

tatggacaga gtttttaatg tcaagagccc acatgtttct tatctctttc tggcaattga 360

aactagaatg tcgttgctgg agggca 386

<210> 2792
<211> 294
<212> DNA
<213> Mus musculus

<400> 2792
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tgtcaagacc gcatgggatc cagtctgccc tgacttggaa aattggaatt ccacccgagc 120

ttgagtccag aatggcagca agggcattca ccctgacggg ttactggaag aagagcatga 180

gacagaagtg cgaatctgtg gcatgcaatg ggaaaggatt ttatccagat tcaaagtgtg 240

atttgaaaca gcttgtgttg gagttgttta tggtcgggat gtaagtctct cttc 294

<210> 2793
<211> 407
<212> DNA
<213> Mus musculus

<400> 2793
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gtcagagcct tgattgtttt cctgtaggga ctgtttcagc atgaggatga atgtgatttc 120

tgggccagag gctactgttc tgctgagaac actgctttct agggacagca cagagtaagg 180

caacaccaca caatgctgaa tcaaaggctg agtgaggggt tgagggaggt aggaggacaa 240

caaagacgcg gtgatggtga gagtgagact ccttatcgct gtttgattga ttttggcagc 300

cagcttttct aggagccaga agtgtgtcct tggcttcctg ttgggcaaac tggttatttg 360

attacagcca aagagttttg actcgaggtc aggagttaca ggccaaa 407

<210> 2794
<211> 443
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (330)..(330)
<223> n is a, c, g, or t

<220>
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<222> (333)..(333)
<223> n is a, c, g, or t

<400> 2794
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cttttccaat ctaaagtatc ttataaaacg tcaaaggaaa attagatttc atagaaagat 180

atatttttaa ataaaattct gtgtcctggc taaatctaga gaggtttctt ttattcccct 240

aaatatttga ttcccctgaa acttctaagt cccgaagcta cagctttccc ttagattata 300

ngacactcac atacttcttt aatatcantn ttnccatcat ttttgaggtc cagtcataga 360

catgtgcatg tttatttgga aagcacttcc atcactccaa tatatgggtt agaggaacag 420

agcccctcca tggaagtttg ctt 443

<210> 2795
<211> 374
<212> DNA
<213> Mus musculus

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<222> (64)..(64)
<223> n is a, c, g, or t

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<222> (323)..(323)
<223> n is a, c, g, or t

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<222> (342)..(342)
<223> n is a, c, g, or t

<400> 2795
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actggagaag agatgccaga ccctcttact ctgtaaattg gaaacgtgcc ccccaatatt 180

aactagatga cagtagactg acttttacac tgtaggaagc cattgaattt tgattaaatc 240

attgaattgg taaaagctag aataacacag gggaaactta tctgaagagt aaatattccc 300

cagtacactc attaaggtgg atngtaaccc aggccttcca gntttgtgcc atgaaatgtt 360

gatcaagcac tccc 374

<210> 2796
<211> 559
<212> DNA
<213> Mus musculus

<220>

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<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 2796
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tttgtatgaa attcagctat tctcttctcc ttatccatgg atttgtgttc ctgtctacca 180

cacgagggag tctaagactg acatgcactc ctctctccta ggaacagctc acttccttct 240

ggaacttagt tcaattagaa cacttggcca ggaaaatggc tcaatgggta aaagtgctgc 300

ctagggctgg agagatggtt cagtagttaa gagcaagggc tgttcttcca gaggtcctga 360

gttcaattcc cagaacccat gtaaaacact gggtgcagta gtgtccatct gtaatctcag 420

cacacctaag gcaagatgga gtaaaacacg agagactcag gtctgtggac cagagcgtgg 480

ggtagtttc ttagcagtaa caacaggaga ccctgcttga ccaaggagga agatgagaac 540

taactccttc caagttgcc 559

<210> 2797
<211> 527
<212> DNA
<213> Mus musculus

<220>
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<222> (213)..(213)
<223> n is a, c, g, or t

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<222> (261)..(261)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (305)..(305)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cataaataaa tcttgctggg caattgtggt gcataccttt aatcctagta cttaggagac 180

agaggcagac agatccccga gtttgaggtc agnatggtat acagaatgag ttctaggata 240

ggcagggcta cataaactat ntggaaaaaa aannaatttt ttttttaac anccagatat 300

gttgntacan actttcntta ntccnaatat gcaggaggca gaggtagcca catagtgagt 360

tanaagccag ccagaactac atagtaaggt ntcaaaacca aataaaaatg taaatganga 420

anntacctaa taaaaatata gaatacaaaa cacaaaaaca aatacaaaca cttttaaagc 480

aagatctgtg ttaacacctc tggagaaaaa ctcacgtatt aggcttt 527

<210> 2798
<211> 505
<212> DNA
<213> Mus musculus

<400> 2798
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gcttgctcca gttcctataa catcttcttt ctaaatggct acaagtagac acaagctaac 120

aacgggggat cccttgcaca ccccaaaata taatatgaat ctgaatgggg taaaatcccc 180

acttgtttct catgcccata ccactgtacc acacaccctt gacctaggct ctgctctgga 240

atcttcaagg cctaattttg gatatggttc ctctactttt taagagccca agtcagagag 300

caacatttta ttctatttgg gaaggagcag agaaaggaaa agtgtggtaa atctttgagt 360

aaatcttctg gttgtttctc tgcttatttg tttgcttctt tattatagat tttctttcat 420

aaaatatatc gtaattacag ataacttgcg tctactcctt ccagctcctc ttttcttcca 480

ctccctttct gtcgcttatc aaaaa 505

<210> 2799
<211> 328
<212> DNA
<213> Mus musculus

<220>
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<222> (259)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(265)
<223> n is a, c, g, or t

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<222> (267)..(268)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (272)..(274)
<223> n is a, c, g, or t

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<222> (277)..(283)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (287)..(295)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

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cgactcgttc acacatgtgg cttgccctca cgtacagtgt gcctgcacat gtgaaggtcc 120

aaggactgtc tcactgtcat ttcctccact ttttgtttga gaaagggtct cactggcctg 180

gaatgtcacc agatggctag ttggccatcc acctccaaga ttctccacct ttcatctcac 240

cgttcctttg gatacaggnn cccnncnntn tnnnttnnnn nnnangnnnn nnnnnggntt 300

tccaaattca ggccttcaca cttctaag 328

<210> 2800
<211> 484
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

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gggatgattt caaacccagt ggggaatcac agcaaagcag gactttggtg aagtctgggg 120

tataacaaat gctgagtgac cacaacaaaa caaacaatgc cagaggactg gagttgaatg 180

cacagtgctt cctaaatagt acctgcttcg agtcctggct gggaagttgg accatcatcc 240

tgggtaactg ggaggaaatg aagcctaggg agactagatt aaatcctgag cgtacgtact 300

gttgacatgn acaggaccna cagcanggac accgatgccc gagacccatg gggaatggca 360

gggctttctc ctggtctgtg tacccatatt gacagtcagt atatgcggaa gctatcaact 420

acagctttcc ctcttcctgg atgagtgaca gctccctaca atgtacccct accaagattt 480

gcta 484

<210> 2801
<211> 486
<212> DNA
<213> Mus musculus

<400> 2801
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agctcaagtg gaaaacaggc ttagtcaggt aagaaatgca catcagacat tcttagggca 120

attttactat gtgatacatt ttttaagaag agtaggtatt tggagagcaa gtgagttcac 180

ttctattaca gggtttaaaa gttcaaaaca agctgagttg ggtgggtggt tttacaccag 240

taatcctagc acttgggaag ctgagacagg acgattgcta agtttaaggc ctatctagga 300

tatggtgcat tgcagatcag tctgagatga aatataggat gagaccatgt ctcaaacaaa 360

attgaactaa atgagtaatg tggactttga tggattttaa agttaattaa ggtacaatat 420

cagacagctg agaaacggat ggatggtggc atgtactgaa tgattaacca gaattccttg 480

tgagat 486

<210> 2802
<211> 509
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

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<222> (288)..(288)
<223> n is a, c, g, or t

<220>
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<222> (305)..(305)
<223> n is a, c, g, or t

<220>
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<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
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<222> (372)..(372)
<223> n is a, c, g, or t

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<222> (374)..(374)
<223> n is a, c, g, or t

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<222> (466)..(466)
<223> n is a, c, g, or t

<400> 2802
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agattaagtt agatacttac ttgcctcaca gattcacctg gttcatacac ctccttttca 120

tcatttaaac tgtagcataa caaaatattt agaaagcttt gctcattcta aagcttcaat 180

ttatatgcgg gggggggggat gtcctaataa aaattacaca aagaaacttt gtccagattt 240

ggttattgat agttaactgg agaaaagggt ttctcatntc atagaagnta ctagaccaca 300

aaatntcaac atcacagcag agtgaatntn ctggaggnat gggcagataa gaggaacccc 360

catacctcag antntggtat ttgtcagaga taagcaataa ggctaggctt tcagttggtt 420

gcgccctaga agaaaataaa aggaaaggcc agtctgtgtg taaatntata cccttactaa 480

ttcccccact tctaagatct ccagagatc 509

<210> 2803
<211> 449
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<400> 2803
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gggtcttgag atcaagtccc agttttctga gaaactgcca aattgatttc caaagtgact 120

gtgcaagtta acactcacac caacaataaa ggagcactcc ccacaagttt acactcacac 180

gaagaatgga ggggcgctcc ccacaagttt acactcacac gaagaatgga ggagtgctcc 240

ccacaagttt acactcacac gaagaatgga ggcatgctcc ccttactcca catccttgcc 300

agcatgagct gccacttgag gttttgatct cagccattct gacaggtnta agatggaatn 360

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ttcttagcca ttaaagattc ctctgtcaa 449

<210> 2804
<211> 493
<212> DNA
<213> Mus musculus

<400> 2804
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cagattctag catccaccga gtcacaggtg gagctgaaac acccctcggg gacaagggtc 120

tgacctttgg cccctgcaca cctcccaact ccctctcaca tcagtcctct gggtttactt 180

cttcccacta agcccatcgc ccaggccgct tcgcccaacc gaaggaccct tcctccttat 240

tcttgatggc aacgtcagga ggccctcacg acgctggaac tctaagaaga gacttcgctg 300

acctgtcagc ggatccaaaa tggcggggcc tagtcccaga accggcggca gccgcagctc 360

atgtccagcc tggccccgga ggcgtctccc ggccgctctc ccggcgccgg cggcgagtga 420

gagaagggaa ggatcctgtc ttctggaagg caaccctaac ttcagggtga gacctcactg 480

caggctggag taa 493

<210> 2805
<211> 533
<212> DNA
<213> Mus musculus

<400> 2805
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caggttgatc cactccactg ctgatgctgt tcttggtgat catcccattg tactggcatc 120

tacaatacac tggagtcttc cactgctagg cttcaccaat agctctcata ggctctcttc 180

acagtgctaa gcctcaactt ctttgcatga ccccttcagt cctgggctgt caactgcaac 240

tgaggctgca ccttcaccaa cagatcttcc atggcttctc acaatgccaa gcctcagctg 300

ctcttcatga cctcttcatg cctttaaaac cagtaccacc tggatgactc ttagacatta 360

tcgagtacag ctgcagcacg aggtacaacc ttggctatca ctggaacaca gcttctttgt 420

gctctcagaa aacactttcc agaagatttc accgcagtga tgcaggtctc ttcttaatca 480

ccactaattt cttagctcca gctaatcagc tatccattgt cctagtagtc tcc 533

<210> 2806
<211> 483
<212> DNA
<213> Mus musculus

<400> 2806
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cctataattg aataaaagag cgtgaagttg tctcaatact ggggacgcga gttcattggt 120

tcggcattct ctcattccag caaagaccgg aacaggagtg aggtttcggt tagaaacagg 180

gagatgtcag tcaagggatg agcagtgctt tcgccaatta gcgcacacta tctgcggagg 240

ctccaccaga atggggcggg acataaggga gagcctactc ttgattgggt gagagggact 300

aggtcccgcc ccctcgacct agtagatttc caggccgcgc ccccttcagc cggtagccct 360

tggtacgcga agtgggccgg tctggcccca cttcacagcc gatcctggct gcgtccggtg 420

gaaggacgcg cagattccac agagttccgg gagagtcccg cgctatcctt acggtgaggg 480

aac 483

<210> 2807
<211> 550
<212> DNA
<213> Mus musculus

<400> 2807
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gtctaggtgc tgtatcattt gaattgaatt ttattgtaat ccctcatctt tccaggacca 120

aaatatctac atatctacag atttaggaag tgctctgata caattcctct atgtaagctc 180

tctggcctgt catctttctt ctgtctttct aataatctat aatttgaaac ttcagtcttt 240

tgctttcatt atttttcttc attgcttttc cttttgttcc tttccctggg taaatttggg 300

gtttgtcttt tagctttctg gttcattctt ctacttgatc aacgttcaag ttcattgtgg 360

gatttttatg ctcagtcctt gtgttcttta gccccagagt atctatcctg ttttccccca 420

gggcttctgt ctctttgcta aacttcccac tttgttgatg agtcctttct ctggttttgt 480

tcagttgttg atctgtagtc tgttgtaacc cacttggttt ctttaagtgt tgagttctct 540

gccagttagc 550

<210> 2808
<211> 511
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (471)..(471)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<400> 2808
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acctgtgggc ataaagacaa atgtttatag attgttgtta gggattgtgt tggtttagta 120

gtgggcggat gtaggttctc ctccaagatc cataacttca ctagccccag ataattggtt 180

aggtttccag cactaggtgg aaagacctaa agtccagacc ttaagtccaa ctagagagct 240

gttggttacc cccaggtgta cgtgccgcta cctcagcctt agggttactg tgccacgctg 300

gtcattgatg tggttcactg gcatcatagc taggtaggat tgttgggtct ctcatatgga 360

agttttcgtg gtatcttatg gtaccataaa agctagtcct cagggaagna gacttcatgt 420

cagttccagn tcaagggcct cggggtcttg tgtntaaagt gcaccatgac ntcagcaaca 480

ggntcttctc tcctagcttt ggtttaacca g   511

<210> 2809
<211> 402
<212> DNA
<213> Mus musculus

<400> 2809
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ctggaacttt ctctgtgctg ggtgggaaga tgcccgggaa aaggctcttg ctctgagcag 120

caagagcctc agactcaccg tgcatctgtt tcccaggggc ccttgtgtca gaaggctccc 180

actgtgtaac tgtgcgcagg gctctgagaa ctggtgtttc tatctgacaa cgctgcctgg 240

acagctcaaa gtggccagag tgttgactct ggtgaccatg tccatgtccc aatctgagtt 300

acagagagta cagtccagta tgcagagcag agtggtatat acctccttca ctgtggtata 360

tagtttcctt cactaataca gctcaaaccc tggatgttgt ga   402

<210> 2810
<211> 440
<212> DNA
<213> Mus musculus

<400> 2810
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cctagcccca ctttgtcatg gctggtcctg ccctcaccta ctctcttttt cttgatactt 120

tccacacccc tcaaaggtca ccagtacttt tttctgattt ctccaaacag gaaaaaaaaa 180

agtgatagat agaaacacaa aggaccggag ttgtttaagg ccctttttcat cccaggcacc 240

aagccacaca ccccacctcc aaagcagccc gtttccacag agcagacaag agggttttag 300

aaggaaacaa gtcccacagt tgttctgctc tgctcccttc cttctacttc ggtcatcaga 360

atttcagctt ttgggggaga ctcatagttc ccctggggat atctatgtgc tcatagtata 420

tgtaccatgt atctgcaata 440

<210> 2811
<211> 546
<212> DNA
<213> Mus musculus

<400> 2811
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tgctgacaca caagaaaccc aatggcagca atgggtgagc actgtgaagc aggtgggaca 120

actcctcaca ccggcccctt cccgtgagca gaaaaagatg ccattattca cctccctggg 180

cacaaaaggc aactgaagct tcaagagatg tcatttgaca gtcgtgtgtg gcagatccgg 240

ggactccaga atactgcctc cctaaggctt gtctccacca tggaatgtcc ccctacgctg 300

agacatgcaa gcagatagat ctctggcgtg agctggcctg gggaagctat ggaggggcct 360

gctatgtact gctttcttca ccagagaatt ccttctggtt ccctgaggta ctctggtagc 420

tggcaagcga tgaaagaaag tggaagttcc gaaacaaggg aggggtgggg acctcaggat 480

gtcagtagtc cccaaagcat caatagtgct ggcaaatcta tcaggtcagc ccttctagaa 540

tctaga 546

<210> 2812
<211> 432
<212> DNA
<213> Mus musculus

<400> 2812
ccagggtctc ttgccatttg aatatctatc ccatgacaaa agtcaacaca tgtgtgacct 60

ccttacagac caagcaagcc aggccacaga gtcataggat gttcccagga tctggatctg 120

gccagaggag tctagactgt ctattagcca tgcactcccc ttaattatcg ttggataatt 180

aagatcgcat ctcacctaaa aatccttagc agagcacaca gagacatggt ccgcaccggg 240

aagagaaatg gcatgctcta tctcaagttc aggactttgt ttagtttaaa ttaaaaaaaa 300

aaaaaatatg aagtccagaa actgctgaat tgtctattag tgactttaac tccaggagaa 360

gagagggtga gcttggctct ttaactacag tagaaggaag ggtgagctcg gcccttcaat 420

gagttctcta ag 432

<210> 2813
<211> 500
<212> DNA
<213> Mus musculus

<400> 2813
tcaggcctgg aaattttgtt gcaatatctt tcttttaaag caaatgtgga tttttgttta 60

gttaaatgct gaatgtcagc aaagggtatg gagacaactc ccagcatgat tcactgtgca 120

ggaaggttct cgaagctcag aatctctaac atgtaaaata cagccactct gagtccctta 180

tctatgacca ctttgggtcc ctgccaacag tgaggtagtc attaacacaa ctgcgtgagc 240

tcctgggaaa acggaaaagg ttcttccctc tgagggaaac catctacttc ctataacatt 300

gtgggtagac cataatttgt tttaggtaga aaagtcaatg acgaaattga tcatatctgc 360

cagtagctga gaactgggca cgagtggaca cggcgggcgc gaggtgaaga atgtgttttc 420

agagtcactg agatacttgc tgtgtgttgt tgttgtctct ggttattcct tcctcctctt 480

tcccactcag atagtttgta 500

<210> 2814
<211> 462
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(436)

<223> n is a, c, g, or t

<400> 2814
atagtctctg gtacttgtta agtcattcca gacttgctag aaaattcttt ttatctcccc 60

aggaaaagta aagaatttct acttgttatt aacaaatgaa tgcccagaaa ctttgaaaga 120

atccagtcta aaaatgttaa atttcatttg gtctttcaaa gccgcagtca aaatcacttt 180

ccaggccaca agtatgcttt tgaaagcatg ttgaggtgct tctgtgatgt gtgattggta 240

tattgcacaa tataccacaa tagggtgggc tttgtctctt ttgcaagtaa gatatgccaa 300

cttgagtagt tctgtgtggt tttagtgtta ttatagggga gctaggatga aaactgcttc 360

tttattctct ctttctctct gtctcttatg ttcatcatgt gaaattgtaa gncgatttnc 420

tttntttctg acaatnatag ctatttaaat tatcccttcc tt 462

<210> 2815
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(408)
<223> n is a, c, g, or t

<400> 2815
gaattgtgac atcagcactg ctgggatcaa acaggagagg actgtgacat cagcactgct 60

gagaccaggc agaagagaag atagtatttc tattataatg catggagtgt ttttggaatg 120

tcacataaat aatatgtttt aggtaaatat ttattatatt taataatgat gataatttaa 180

tagcagtcat tttatttaag cggtcattac gtgatggatt ctactaaatt ctcttatcca 240

tgtagtttta cataccagat taaattttaa agtacatgtc attagcttca gtttatatat 300

gaggaagccg attaaaaaga taaacaatat aatcaatgtg ttttgntcta ttatgaacag 360

aagnacgggg ttttacattt gaatctgttn gacnaaaaaa ttctttnntg ataattgctt 420

cattaggaaa actgatcgga gtgctaagat tagaatcatt attttaaaaa gagaattgaa 480

atggcagcat ccatcattag atgctgtgtt atgtatatta ttccaattat ctcactt 537

<210> 2816
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<400> 2816
agccttatgc ctagattgac accactaccc ccatccccga agcagtgttt ctcacgttga 60

gggatggctg ccctaaaact cacaggctgg catcgaactt aatgaaatct gcctgcctct 120

gcttctgctt ctaagtgttg gaattaaagg catgagccac caattgcagg ctcctaaatt 180

gactttaatg cttctagaat ttgcgagcac aggggctctc aaaatatatc cattttcatt 240

cattagccag tgtcttatat tttgccttaa agtcgtgtat ttcccagatt ttgtcctctt 300

cctttaacca cttaaatcac taaattttaa tntctttcag tgaccatgga agggntaaag 360

tantnttaaa gatatttgtn tctaaataca tttggttaaa catgcaggaa gttgtatgct 420

tgggctaagc gttgagcagg ctttccacta aatacata 458

<210> 2817
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<400> 2817
ggtgcatcac aggtatctaa aatgaaggtc tacacatcat tccttcatag aactcttccc 60

ctcctctatg tggagtcatt tcattagttt ttctatggat atatacattt ctagtatcct 120

cctcacaatt ctttccttgt tcatattctg gtcctggatc aaaataaaat cctaggcatc 180

acaggtgttg attacattat tttgatttct tatagagtta tctagtttcc attacactaa 240

aaccatacaa aacagtgtgc tgaatcgcct atttatgtca tttgtaccat gacttgatat 300

tttgtttatg tcttagaaga acttttagtt ttgttaataa tntggaagaa tttcccttag 360

ctttggatgc taaaaagttt cggttttcct tggacataaa ggaattagat tttgtgcttn 420

tgtntgcact agcantggga aagctcagat ntgaaaactg tgtgaggtta ttaataattg 480

cacatcacaa atgagcatat cactactgtc ctttg 515

<210> 2818
<211> 431
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<400> 2818
gaagcaatgg ctctcagtca ttttttctc cacatcctga cagccataaa aatatttgtg 60

tgacacactg ggtaagttaa aaagagttaa agacttggta tttggggaaa aattcatttt 120

ctttctatca tatacttttt aaaaaacaac agcaataaca aaaccctcaa aacagggtct 180

ctagtagccc aggttggtct tgtacttact ttgtgtctga cacctgcagt gcctggtcct 240

cctaccttag cctttcaaat actgcaatta ctagcttatg caccatgctt ggcttaatga 300

tgtatactat tcgtaaaaga taaaataaat gatgtatcaa ggatattaaa tatttaattt 360

gtataagttt cnaaataaaa tnttttttaaa tttttggagt atccgagatt ccttctgtaa 420

acatagcatg t 431

<210> 2819
<211> 484
<212> DNA
<213> Mus musculus

<400> 2819
aaagtcaacc tattgggcct gtcttcattt tagaagttaa tcagtgactg taaaatcact 60

ttttacagaa ccacacagcc atatcagtat ggtaacaagc aaacctacta caaagagtgg 120

aaaatttcct ttccctttca aagactgcca gtttgctccc tatagcttac taacagttat 180

gttcttccat ctgttttgta caaacgcaaa aaccacctag ataattacag cctctttcag 240

tttgtaatgt agctactgct ataccatctc aactcatgag atcaaaatat atgctcccca 300

tatatttctc tccttttgct atcttttcca caataaccag gtattgtaag tctccatttt 360

cttcatgtta agatttctct acagtgtatt ctttcccatg caagtagcac gatgtagaag 420

acattcagta gatggtaaag cgccttgttt attttgagaa aatattcctc tactttgacc 480

tgat 484

<210> 2820
<211> 379
<212> DNA
<213> Mus musculus

<400> 2820
gacactctgg gcgtgtggag tctcaggttt cctggaggtc ctgcccttgg ccctgtgccc 60

agacgtaggg cgtgttaaaa tgtggctccg tagcaagttc tgacatctgc ctcagctgga 120

cacttgtaac ttacattgct tcaggcttcc ccacctcttt cttggcggca ttcctttccc 180

gggttggttg tcctgtcttc ctcttcccct ttccttgcat tcttatccgt cttcctcctc 240

ccggtgggcc ccagggcacc gttgcttgtt tttggtctga ggaagctttc agttggttat 300

cttataggcg ctctccactc tccactcacc gtttgcaaat gttgcccagg ttacagtgcc 360

tccctgttaa ctttgtaga 379

<210> 2821
<211> 455
<212> DNA
<213> Mus musculus

<400> 2821
ttacagatag aacccagctt gccctctgct tcagcttctt gaacactgga ttctaggcat 60

gtgccaccaa gccagacata acagttctaa gaatgttagg cagaccatgc attttacttt 120

cgtacagtaa tgttctttag aacacgacta ccaggatgtg aataaaacct gactcaagga 180

ggtttctctg aagcccatcc ttatgggatc tgcacttgat attttgtcct ctccctgaaa 240

acaagacaga cagggactct actgtccaac agtcagactg attgactttc agatgtgagt 300

ctgaatttat ttacgggcat ggtcagctat gtttgccttc agtgttcact tggaaatgga 360

aaggaagaca atattctttc cttaaaaatg ctgtgtctct tcagtatgga attatgatgc 420

acactcactg cactgccagt ggctcatctt taaca 455

<210> 2822
<211> 333
<212> DNA
<213> Mus musculus

<400> 2822
cctttctgta gtcactgtgc aggttatcaa ggcgttcatc tcacaagtgg aaagaagcag 60

tagccgtcca gtacttggca gatgcaggaa attaaatttt atagcggtct agtacatcta 120

gtgcattcat atttagctta tcttgtgcta tgagaaacac taatgcatgc aagtgaagtt 180

agtcagctgt ggtggtcaaa tctgctccct actgattctt tgaatttcaa atgcattttc 240

tggacttgac acttgcctgc tagtgtcctg ggttagccat gagggaggca aagagatagc 300

atagagtgag gaatgctgcc aggaggtcat aaa 333

<210> 2823
<211> 421
<212> DNA
<213> Mus musculus

<400> 2823
aatggctttt gtggtgttct ctagtggatg ccaacaacca tttgtagaat gaagaaaaag 60

tccttgaatt ttcactttca ttttgcatct gtctggccac ttacttcagc agaatgcctg 120

gacccaaagc cactcatctc agtcactgcc tcgtgtttca tctcttaagt gctcaaacat 180

ttcctccatg ctgaaggtca ttgatccacc acagaggact gactccccag catcttatca 240

gatcctgttt caagaataga tcagatttgt atggtttctg ccactccgtc taatctgcat 300

ttgaatgcta agacacattt taattgtttt gaggcagaat ataaacatat acatcacatc 360

tgccgaagaa gacgaagtag gaaaaaattt acaactgtca gcaacttttc aactatctca 420

a 421

<210> 2824
<211> 433
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<400> 2824
gacgacgttt acttctgttg agcctttcgc agctcacaaa gggtttgaga agtttgggtt 60

gagcctgtgt gaacaactgt atctgatcca gctcctaagc tagtgtgagt ggaaaagctc 120

tcatctgcca gtgccttccc atcatggagg ggggagtcct ctgaactgga gagttagcca 180

gtcttcctct tgggttgctt atgtcagact ctgcctaggt gttgcaaagt tccttcctca 240

acagcatact tcactcctga ttctgagttt acagccagaa aagtccttcc aacgtcttac 300

agatncctct gcttcaaagg tgttactgtn tccagtaatc ccctgggaag cagggatgtg 360

gctaaacgct ntcagctgca gatgctgata agatcctatc anttcaagtt ccccggccat 420

tcaagaactg aaa 433

<210> 2825
<211> 357
<212> DNA
<213> Mus musculus

<400> 2825
cgggtcaagc agtgtttcca ggtcagcatt agaagggaac ttggacactg tcatgctact 60

gtgacctcta attttcttat cccattttca tctaaagtga ctgaaatgta cattaagcct 120

ttttctcaca atgtaactta ccaagtaaac tcattttcca cagtgttctg gatatttcct 180

taagagttct ggacacctaa taactcacaa atacatgtgg gatggaacaa ttcaaactac 240

aatggggctt cgcttccctg agtttctaat tttattactt gtgtttaggg caacgcattg 300

ttcacccata gatcacattt ttgtttgaaa gagctgttgg aagattcact gcttgtg 357

<210> 2826
<211> 258
<212> DNA
<213> Mus musculus

<400> 2826
aagttcattt atgcttttat ccaagagtgc agtttgtctc ctaccattat gtaacgtatt 60

ttggaaatta gactgagccc cttgacttgt ataaatcaga cctatacagc tctccactct 120

accagccagt cctcagaccc agctcagacc cggtcagtcc tcatacccag ctcagaccca 180

gccagtcctc agaccagctc agtcccagcc agtcctcaga ccagctcagt cccagccagt 240

cccagtgtct tagtcagg 258

<210> 2827
<211> 522
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<400> 2827
catcctgatt tacagtttcc tacccctcca ttcctctcag tccccccccc ccttccctct 60

tttcttgccc agatccactc cctcctctgc atccctttaa aaaaantaaa aagaacagac 120

ctcctaggga catcaaacaa acatgacatg aaatgctaca ataaggttag gcacctcccc 180

ttttaaatgc ttgattaccc ttcctctagc tagagtttgg ctgtgggtct ctgcatttgc 240

tggcattagt ttctggatga caatacttga taataaaaaa caaaaacaga aagaaaatga 300

actacctgat aatgacccta accatggtga taaaagaact ctaccaaaag aatttatctg 360

tgaagaggga atttaggaaa gacactagga attagaaaga tgttccatgt tgatgttttg 420

gtagaatgac ttaatatcgt gaaatgacta ttctaccaaa aatgctttat atattcagtg 480

taactccaat taagctccct atctcattct ccacaaacat ag 522

<210> 2828
<211> 462
<212> DNA
<213> Mus musculus

<400> 2828
attaactggc tgtggtgacc gactttgact tgaaatgccc cactggggct tatgtggagc 60

ttggtgcctg ctggtggtgc aattgccaaa gattgtagaa acttttgga ggtgggggtc 120

aatctagagg gagaaggatc agggatgtcc gagggtctta cctggtccaa ttgtccaagt 180

ctccttctgg cttcctgccc atcatgaagt aaataaccta ccccatatac tgctgtcatc 240

ctgatgttct gctcaaatgc gatggccaag caaccatgca ataaaccctc agtaaccatg 300

aaccaaaata actcttttcc ctttaagttg tcaacacagt ggcacaaaat taactcatat 360

gtggccctgc caaatactta ctagtattgt gaggctgtag gatgctctgt gaggttacct 420

aggtctatcc ttaaggctga aatcctgatg gcccttatct gt 462

<210> 2829
<211> 480
<212> DNA
<213> Mus musculus

<400> 2829

ataagtttgt gtatccccag ttccaggaga tctgataccc acacagacat atgtggaaag 60

ccttctgggg taccgcttat caggagtctg acattggcca aggacaagga aaagggcttc 120

aggcaggaat ctgacattag ggcataataa ggaaatgcaa gaatataact ttaggctgta 180

atagagaagt aaagtaaggc aagaatttta gttttagtgt ggaacagaag aactgggctt 240

caggcaagat ttttggggtt ggatgaggaa atgggctcaa gtatttcagc cattatgaca 300

agccctttta aacaactgtc atgggagtgg acttagcttg ctgctttgtt agttccttat 360

tatactgctt gcccaaaata cttgcatgta attaaaatgg tataaaaagt agcttggaaa 420

ataaaaattt gccttcagtc tcagaattgt ctggggtcat gctacaatgt tgtctgtctt 480

<210> 2830
<211> 549
<212> DNA
<213> Mus musculus

<400> 2830
atagagtcct ctgagcggat tggctcttct catctggttg ggcccaatca tgtgaccttt 60

tggggtggtc aggaagcctt gcttcaccca tttctcatcc tctttgtggc agaagcctag 120

ctcttttcat gatgatggag gaagagtcag agagcaggct cagtcctact tacattatca 180

gttaagcctt ttgacacgtc tgttaacatc tctgtgggca aagcaattca cgtgacccag 240

caccgaggag agcaggactg tctcccctgg tggtctggta atttctcaac aataaccagt 300

aacaatctgt tcttctgtaa aggcctggtt cacaaggatg ctgttgagat acacagtgta 360

acagaagcta aagacgtggc tcaccactta agagaatgaa gtgctcttgc agaggacctg 420

agtttgagtc ccagaactga tgctaggcag ctctcaatga ccagctctag ctcccggggt 480

ccaatgccct cttctggtct ctgtcaccat ttacactcat gtgtacaaac ttcctataca 540

cgtgacctt 549

<210> 2831
<211> 377
<212> DNA
<213> Mus musculus

<400> 2831
tgttttgaac atcacccttg gcagtctaca ttccaagatt ttccttcagc ctctttatag 60

tcaagtgcgc ttatttatct tcaggggtc tttgtttagt cagcctttag taaaagcaaa 120

agttataaaa tgtactaaag aaataatccc cattaatgct aggagacaga gtcatttgaa 180

gctgcaggaa gttgtcttgt cttgttttaa aacaggatcg cactatgtag ctctggctgc 240

cccggaactt cttatatgga ccaggctggc ctccaagtca cagagacccc cctgactctc 300

cctctagagt gctgggatta aagccctagt ctatgtagcc agccccaagc cagccagcac 360

aacatattga gccccaa 377

<210> 2832
<211> 366
<212> DNA
<213> Mus musculus

<400> 2832
caagatgtgg aacaggactg ccagtaaata gtgggaaata ggaaacctcc ccctctagca 60

taaagaagtg ctcttatata aacaattcat cttataatga ctggagtttg ttttaaagat 120

ttatttttat ttatgtgtat gcctgtgtga gtgactcccg tgtgtgtgtg tgtgtgtgtg 180

tgtgtgtgtg tgtgtgtgtg agagagagag agagagagag agagcgctca cagaggccag 240

aaggggggtgt caagtaccct ggagctggag ttccaggtaa cgtgggtgct ggagaatgag 300

ctctggcctc tggaagagca gcaagggctt gtaactgctg agccatctct ccaacattag 360

ctttaa 366

<210> 2833
<211> 503
<212> DNA
<213> Mus musculus

<400> 2833
gtgtgcgcgc tacatatgtc tatatataca tatatgtgta tatatacatt atgtgtgtat 60

atatacatat acatatgtgt gtgtgtatat atatatgtat gtatgtatgc atatatattg 120

aaggatagct ttgctggggt attcttggct acaagcttat ttttcttcga acactttgtc 180

atttcatact tttctgacct tgaaagcttt ccgggctctg atgacagcca ctctcttcta 240

tatgcactct cttcttttgc cacactcaag cccctgccag tgattcactg cttttcattt 300

agtatgtatg tatcatgggt gggtgttcac atgccacaag acaagtgtgg tggtcagaat 360

gctgactgtt ggagtccgct cgctcgctca ctcgctcgct ctctttctct cacaaagact 420

ccaggaatca ctgaggtcct tcttccctgc aaagccatct cactagcctg ccggtagtgt 480

ctgagcttgt ctttgtgtag tgc 503

<210> 2834
<211> 485
<212> DNA

<213> Mus musculus

<400> 2834
agctcagcgc tttctattgc gaaaatttta accaagtgag caggtgagta agtgattcag 60

gccaaatttt ctttgggtgc ttccgggaaa gtaaaaagtg caggatcaaa gaatgttccg 120

gcctcttaga aagcaaggga cacactctgc tctccatggt gccttccctg agagtgtccg 180

gggatcctac ggaagaagtc tgtgtcttgc aggcatcagt gaattgcagc gctctcttgg 240

ggtttgacgt tttctatcct agtctgggta acaaatcagg gccattttcg aattaagaca 300

agcgacagag tgggtactgc ctgtttagcc cctgcctctt cctcccggac cctcagccct 360

tggtcaaggc tcagcttggc aacagctggg agggacctcg gccctgatct tccttagagc 420

ccaggctgta gaggatgctc accgtggcgt cgcccttgcc attcagccca caacaaggtc 480

aggtc 485

<210> 2835
<211> 453
<212> DNA
<213> Mus musculus

<400> 2835
catgcttcct atttcttagt gccagaatcc caatggcatt tgggactgca aatactcaga 60

taaaattcca aattttattc ccagtctttc ttacaactag ctatctggca tgcatgtgta 120

cttggtaagg tgtgaaacac tgaacagggc tcccaagcaa gttcctttaa acttttgcct 180

aaacttttgc cttatccaca ctttcttcct gcttcatata caggaatgta ggctgggact 240

ccaacaatca tcttagacca gaaatgacct taaggatgaa agccatagtc atgttgataa 300

agtggaaaga atccaggtcc tggagtctcc atgagcctta gactgatgac ctccaattcc 360

acttgagaaa taaaccacca ttagaaaatg ttgtttgacc tttcctgtta catgcaacta 420

aacccactat cgacccactg accactttaa gga 453

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<212> DNA
<213> Mus musculus

<400> 2836
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gatgccgttc tacaggaggc ctctgatggc ctgtgcattg tctttttgt ggggtcactg 240

tctcctctct caactcttat caatcaatct tggtctccac tgaggatcta cagtctctgg 300

gtttgagtga attttggcca cctgctaggt ggtgcctttt ataaccctca ggtgaatcct 360

tcacctagaa gaaccagtct gaaagtcaac agagctttaa caaacaattc tcttgttttg 420

cagagagagg atgcaagcca tggagaagca gattgccagt ctaactggcc ttgttcagtc 480

tgcgcttttt aaagggccca 500

<210> 2837
<211> 374
<212> DNA
<213> Mus musculus

<400> 2837
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ggattgtgtg tgtatgtgtg tgtgtgtgca cacatgcatg tacacattct tattttaaaa 180

agacttttt gaacagaagt tattcccctt aaaacaaagc ccaaacgcag aataaaaacc 240

tgtgagtgtg ataatatgaa tcatttctta tgacttgtgt ttttcaagga gtttaaacac 300

agcgagtaca ggtctagtgt ttctactgtg agtttctgct cattaagtgc ttgacagatg 360

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<210> 2838
<211> 532
<212> DNA
<213> Mus musculus

<400> 2838
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ggggaatgcc accaacttgg gaaagtgctt ttcctctgga agttcacagg cctgggttcg 180

aggcctcagc cctggctgcc attaactagt ctgctttgtt ccctttgtt ttggtttttc 240

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agaagcaaag ctagaagtat attcatatag agagacaata ggaatcaagt agagcattaa 360

caagcttcca agaagttgca tactgtaagc aacagctttt gaaaggtctc ctgaactgca 420

gctgctgtgg agacctctaa taaatctgaa ggagcaaagc tgtgatacag tggggaagga 480

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<211> 541
<212> DNA
<213> Mus musculus

<400> 2839
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agctagccag ccagccagcc agccaaccag acagacagac agacaggaga attcactgga 240

catcaaccca gaagtaagga gaagcctggg atcttgtgct agtttctctg tcttttgtcc 300

tcgggccact agcctgaata ttgtgcttat gtcctagtat ttgaaaagga gagaggtcaa 360

aacggggcaa cataaaaata gctgcaagat tcctcttctt gctgtcagtc ctgtagtcaa 420

atctgctccc ggagcactga tcattgtgta gggaaatgac cgtcgcagac atgtccctgg 480

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<211> 480
<212> DNA
<213> Mus musculus

<400> 2840
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tttgttttga gacagggtct cactatgtag ctctagctgt cctaggactc attttgtaga 360

caaggctggc ctctgcctcc ctagtgctag gattaaaagc gtgagccacc gtgctcagct 420

acaaccgctg agctagctaa ttaatgtatt ccgtatcccg ctgtcatccc ataagagtta 480

<210> 2841
<211> 429
<212> DNA
<213> Mus musculus

<400> 2841
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atcaccttaa atgacttctt tccaaacaat taatttttta ctttttttctt tcctttccta 180

tcttaataat tatttatttt tttgcagcga agaaaaaaac attttgagaa tgaatagtaa 240

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tttaatcttt tgtaagagtg aaaaggcaga aaaggaacgc tcgatcaagc tgagctgcac 360

acatgactaa aactcgcagg agacgctgct gcttgctgcc tggcgaaagc accgccaggc 420

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<210> 2842
<211> 449
<212> DNA
<213> Mus musculus

<400> 2842
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gcaggagtgt gtggtagctg gttaagtcac accagctcag gagacaggaa tgctagcatt 180

cagcttgctt tctttccctt tcacagttgg agacctggga ctgggatttc tctcttcagt 240

gaaaactctc tagcaacatt gccacaggca ccccagatgg gtatgtccaa ggtgaatcta 300

aattctgaca agttgacaaa gttggccatt gaagaaggaa tctgccctac atattttagg 360

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agagagggta tgcctagtct tgcagtgac 449

<210> 2843
<211> 557
<212> DNA
<213> Mus musculus

<400> 2843
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gctacgttat acacccaaat cctagaagaa tctacactaa acctatgtcc atgtccatgt 120

ccatgtccat gtccatgtcc atgtctatgt ctcactgaaa tgaaagccta ttagatttat 180

gtgcaacttg acttcttaaa gatcctgcat gctgtccaag aaaaagaata gggcaaagac 240

attcatggtg gagatcacta cttgacatat tagaagatag agtcacagaa attaaatatg 300

acactaatgg gaaataagtg aaccagtact ggcaattgtc ttatgctcca gctgtcctca 360

tagatagagt cttgctggaa cagccacctt ctttgattcc catatgctct gcaacagttt 420

tcacactgca gcagtaacat agactggttg tgacaggaat cttatggttc taaaagctta 480

caatgcttgc tatctggctg tttacagaaa gtttactaac cagtgactga aaacataggt 540

tcttcaagtc tgtccat 557

<210> 2844
<211> 481
<212> DNA
<213> Mus musculus

<400> 2844
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cctgtcactt acacaaagcc aaccccactt gtctaaggtc tatgaacata gatgacccag 180

gtgtactggc ttgctctgac tcattatcct ctgtggtaag atgactagtg attagtccta 240

gaaaatcccc agacacacac acaccacaca cacacacaca cacacacaca cacacactca 300

cacacttgct gaggtcccag acaggaacag gctgtggcca ccaccaagag gcccaagggc 360

agaatgaggg acacttctag ggaagcaaaa gtctttctcc agggacagtg aacagccctg 420

cagtctgccc ccacagagag ccctgctgca gggcgggggc tcaggaatgt tctctgcata 480

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<210> 2845
<211> 470
<212> DNA
<213> Mus musculus

<400> 2845
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cgatccctgc tatccctggt tcaaacccaa gagaccacca aacacctgca tggctctagg 180

tccctcaaca ccagtctcaa ctctaaccaa cagctgtctg ctaagagttc cgagcctgaa 240

aaactcaggc ttcacgtccg ttcagcgtgg tacctatgtg gaccctagct ttgaggctga 300

accaactgga actggaattc taattctaat attcactccc catggacata tgtaaaacac 360

taataaaaca gtgacctgcc aagtgcttca agtttcaggt gtatagaaat tattcttaca 420

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<210> 2846
<211> 511
<212> DNA
<213> Mus musculus

<220>
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<222> (395)..(395)
<223> n is a, c, g, or t

<400> 2846
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taaacaacat ggagggccca gcaattggga acctcgggca gttaaaggca aaggataatg 180

ggaagtcaga aaggacaact taaattttag aggaagaaag ggacatgggg agatgactta 240

gaccacttgc tgtacaaatc tgaggatctg agttcagatt gcccacactg taaaaaacag 300

gagatggttt atatttggaa tacgtgtaca agggaggcag agatggaatt cctgtgcctc 360

actggccaaa tcaatgttgc aaaccagtga ggttnaggtt cagtgaaaga tgttgtttaa 420

aaaaaattca gatcgcgagt gctaaataaa cctgatgctg atctttggct tccacgtata 480

catgcgtgac atacacacat agacgcatag a 511

<210> 2847
<211> 423
<212> DNA
<213> Mus musculus

<400> 2847
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ctcgaccaga gatcccagtc cacctgatcg cagctcttct gtatctccat gtgtttgtct 180

tttcctcatt cactcaccgc cctagttagg tcagttcccc aaagccatgc aaagcatggc 240

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tgtgcagaaa gggaggctat ttcagcatgt gataacatct gaggacacgc tacatgggag 360

ttcaggtctc tgttcatacc cctcactcca aagatcatga gcctgttctg ctaacattgc 420

tta 423

<210> 2848

<211> 529
<212> DNA
<213> Mus musculus

<400> 2848
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ttacagtggc tttgtatgga tgaactgaaa ggcatgtaga tgtgtccctg aagtctcatt 120

catcctcaaa gagatgtttt gttttgtttt gttttataaa agattttctg agggcggtac 180

ctatagctat caagtcttta ccattgagat tctcctgagt ccagatctga ttctggccca 240

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tacacattcc cgtctacttc tccaaagggc accatggcag cctgctggcc tccttaacca 480

gcagcctcca attatctctt tgttgacctg actctcttca aggacttga 529

<210> 2849
<211> 312
<212> DNA
<213> Mus musculus

<400> 2849
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tgaatgcata gcacacaagt gcagatggtc tccccttcca cctttacatg ggttctggat 300

atcaagaagc ca 312

<210> 2850
<211> 411
<212> DNA
<213> Mus musculus

<400> 2850
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aagtatcttc ctggcttctc cacccctgtc ttggttctga acttgagcat aattccaaca 180

gtccatagct ggctcgctga ctctgaacct cagacctgag ccttagccta ctctaaagat 240

caagccaaaa ctgataaggt gtgtgtctgc ggctgctcat caaataattc ctgcagctcc 300

cctgtcctgc tgtgctaccc cagttctgtt taattggcag gtcctgaatc ctgtcccaac 360

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<210> 2851
<211> 452
<212> DNA
<213> Mus musculus

<400> 2851
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ccaagcgcaa tggcagatga gtgtctataa tcccagcagt cgagagacta ggcctagcct 180

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ttcatagttc taggctagcc acagctatat aatgagaccc tgtctcaaaa gacaatgaca 360

aaaaggtggt gactctcggt tgggtgtggc tcaaaggtaa agcatgtact cagtgtgtgc 420

agtgcagtgc agtgtatgca gtgccctggg tt 452

<210> 2852
<211> 420
<212> DNA
<213> Mus musculus

<400> 2852
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gtgaatatgt ttttaaggat ggccatttgg tattagataa tcgtttgctg tactcttcct 240

agggaaaact atttctccca ctctctgcat tctttaattt tctgtatttc tttgtgtgtt 300

ttcatcacat ctatatccac tcctctttca actccactgg aacattccct ccatcttctt 360

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<210> 2853
<211> 515
<212> DNA
<213> Mus musculus

<400> 2853

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ctttaaaagt agattatggc cttcatcttc ctcatctcag gccactggac atgtatccta 180

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tgctgggctg caccctgcag ctgaagtgcc ccccttgctc aagatcatca atctcacctc 300

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tttgcttgcc agctggacca ctgactggta gtcctgtgga gaagagacat tttgtcagga 420

tgcccatcca aagaaagtgc ctagcgttct gaggactctg gtgtcagctc aagtcagggc 480

tgtccttgtc ccgtggcagt actttctctg aacaa 515

<210> 2854
<211> 494
<212> DNA
<213> Mus musculus

<400> 2854
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gatgaaaacc cttttactcc aacaaagaac ttggcctcct ctggaagctt gctatgtgtc 120

aggcatatgt aatggcgttg agcctcgctt caccctggca ctgccatctg catactgtaa 180

gagaggcaga agctctaagg agcagtagct ttagtaagta acatggtaaa gatacaagtc 240

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tgtggtccta caac 494

<210> 2855
<211> 500
<212> DNA
<213> Mus musculus

<400> 2855
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aaatattaaa caaattaaac aattaaatat taaaatatta atttataatg tacaactaat 120

atacatatac ataaaatata tcttagcaaa ataagacaaa gataatgggg caaattacaa 180

atacaaatat actaggtctt taatctgatg ttgtagtttt tgttttcctc aattttaaac 240

agaaaacaag gtttttgatt taatgaattt tagtctgaat tttaagtact agttattgat 300

ttaatttagc atctatatgc aggagttatt tttctttaga attgtctcat atttcacaca 360

tttctgaaaa atatgatgta agattgacat tggctttcta ttgatactgt ttttattatt 420

cgttgtacta aatataaata atttcattaa agcaatcaat atatctactt atgtttgaag 480

gaacctttat aatattttct 500

<210> 2856
<211> 426
<212> DNA
<213> Mus musculus

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cctctgctgg gctctgaggg tacacgtgtg gtacacatgc atgcctatag gcaaatgctc 180

acaaaatagc aatcactgta aacacacaca aagtggtgcc tcccactgta accctagcat 240

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gattctgtct caaaacaaac aaacaaataa ataaaataaa acacaatgaa agatggggtg 360

aacaaaagca atgtttgcca gcctgtttta aagccctaaa aagcttccta tgggacagtt 420

gtctcc 426

<210> 2857
<211> 423
<212> DNA
<213> Mus musculus

<400> 2857
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gatcccttca tgtgctctgt ctatcacttt acgctagcat ccaggacggc acattgatac 420

cca 423

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<211> 485
<212> DNA
<213> Mus musculus

<400> 2858
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tgcgaatggt aaatgtatga gtgttggcgg tggctctact aataattgcc agtaactgat 180

acagcctaaa tatcccagga ttggataaac aagtacaatt catgtataaa atagaacact 240

gtcaggttgg ggaagggtgt tctactgtac agtgagaaaa agaaagggtg tttagaggag 300

taaagaaact gctgttcctg gatggcgtgg ttacagtgtg attatgtgta aaaacggatg 360

caattatagt acaccctcac atcaactttt ctgtaagcct acgataataa acagagattt 420

gaaaagtctt atttgaatct ctgatgccag aaacttgaac atacgtttga agctgtgtga 480

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<210> 2859
<211> 526
<212> DNA
<213> Mus musculus

<400> 2859
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tcacatgtat ctgtccattc ctctctgatc ttcactcata tttaatagac aatcatattt 180

aaaaacactg aacataataa aaccaataaa caagcaattc tacaaggtag aaagaaatgt 240

aaagaagcaa actgcctcaa agaagccatg aaagggcact aaggagttcc tgggacctac 300

atcgctttct tgtatctttt atatactgga tgcgatcctg gatatcctac attatgcaat 360

tatcaacagg cacaaacaag ccaaacccct aaatttcaca ttttctctcc aaactaaggt 420

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<210> 2860
<211> 460
<212> DNA
<213> Mus musculus

<400> 2860

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tggagaccag acataaagca cttcctgagc acagcaagag acttgataat caaaaggaac 180

acagaaaagg gctactgaga aaatggacac actcccacag tgatttagga cttcacttca 240

gattataatt atttatgcac atgtcttccc tcctttctag gattttaatc agagattgaa 300

aactgcataa acaacaggga tggtaaagac agtctaagaa agtgaagtgg gctgaagaag 360

gattgtggct aaagagtgct gtaagtagct aactctagat gatgacttca aggaggaatt 420

gtctcatttg aacactgccc agtctccaga ttcttttaaa 460

<210> 2861
<211> 378
<212> DNA
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<400> 2861
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agctgtgtga cagcctcatc agtgcccggc acgtaggaga ccgaggctgc atctctgcca 180

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agcaatttgg atgaaggggg agggggggct agagagataa ctaggcagtt aaaaacaggg 360

actaactgcc cttgcaga 378

<210> 2862
<211> 553
<212> DNA
<213> Mus musculus

<400> 2862
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gagttactca ttgcctggtg actaatgctt cggggtctgt caatcttaaa atcctgtcgt 540

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<212> DNA
<213> Mus musculus

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<210> 2864
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<212> DNA
<213> Mus musculus

<400> 2864
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gcctacagta acaacatttg aaatcatttt ctgatctcca ttttcagtat tatcagggtg 300

actctgtatc atttgacaaa gtgcaattgt tcgcgagagt aaaattagca aaacgaactc 360

tttatccccc aagtagagtt actgtttctt ccacttggta attatacttg ctgataagaa 420

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gagaca 486

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<211> 384
<212> DNA
<213> Mus musculus

<400> 2865
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ctgcacacct ctagtgagta ccta 384

<210> 2866
<211> 385
<212> DNA
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<400> 2866
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tggttggtta gtaggagttt gagggaaggg gggggggtga agattgacta gataaggcaa 240

agaagaagtt tatagtagtt aaactatcct atatgccaaa cactgtatac ttccccaaac 300

ctatgtaact ttaaaacata gagtggatac tttgaaatac ataaacaaag gttaactagg 360

acacgagcac ttgtctgctt tacta 385

<210> 2867
<211> 538
<212> DNA
<213> Mus musculus

<400> 2867
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agcaataaaa tgactccaaa tgccattctt ctatactttt agatcagtac cttgctcagt 480

catcagcaga gacacttcct cctgcaacag atagagattc acagccagac agtatgca 538

<210> 2868
<211> 543
<212> DNA
<213> Mus musculus

<400> 2868
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ctgggcctcc cagtaacaca gtaaagatcc acaactctat gaactggttt gtcaccaggg 420

taccaccctt gtcaccagga taccacccct tgttaagttt ctactacact ttcttccatg 480

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tgt 543

<210> 2869
<211> 529
<212> DNA
<213> Mus musculus

<400> 2869
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gatcaaaatc acttaattaa tccatttgta ttttgtaggc agcaatcaaa gcctaattaa 180

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gaaggaaagt gggattttta aaacggatgc tgagaaaatg gctttctgca atgcaggcgc 480

taactggctg tgccatagtc ccttgtacaa agaagtgtct gccaggccc 529

<210> 2870
<211> 546
<212> DNA
<213> Mus musculus

<400> 2870
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gctccatgtg gttcactcag ggggtccccg gtaatctatg gctccctgga gttttacacc 360

tggactcctt acattcctgg cttggaatct ctatggagac aaggatggcc tagagctctg 420

caagatctac ttggctctac ttcaggaaca ctagaattaa gtgcatgggc taccacacct 480

agtgctttgt tcattggttt ttgttttgtt aaccaggggt tgctcttcag gtacctggtg 540

actcaa 546

<210> 2871
<211> 410
<212> DNA
<213> Mus musculus

<400> 2871
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ccctagctgc tggcacagag atacacagca gagtcctccg gctctacaga cttgattcga 180

agattcaaat gagctttatc tgaagactga ggtgagaagc gccttggaac tgtttcgttt 240

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ttgtaccaat acatagtatc gtggcccaga gtttgcttac aattgaaaga cacttcattt 360

cccacctgtg tgacatgata gtttggagtc tggaaaacag ccgtctccaa 410

<210> 2872
<211> 497
<212> DNA
<213> Mus musculus

<400> 2872
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gatggctcag ttaagtaccc aagccccggt tctctccttt tcagagatac ccaaagcagt 180

cggtgtcagg attccatatg ccttttccat cttagctgct gctgccaccg tctcctgagg 240

agttctttta aagattttat tgatctaatt tttcccaagt ctggaaaagt gtgcaaggcc 300

cctgcctcat agagctgccg tgtttaggaa acaagcggtg cctcgctctg aacagtttgc 360

tccgacactg ctgtgcccat cgttgctgtg gaatgaagcc attggtccct ggacttgatc 420

tacagagcat tagtgacaac agctgtagct gtctgcatgt cctttccaca caagctcctt 480

ctgcaaggga cttgtca 497

<210> 2873
<211> 181
<212> DNA
<213> Mus musculus

<400> 2873
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aaatgctgtg ataaatgatt tgtgctactg aacacgatgg gctaagacac aagttgagtt 180

c 181

<210> 2874
<211> 543
<212> DNA
<213> Mus musculus

<400> 2874
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gtaattgatt cgttaccgtt cttcagcagt gaactggctg gttttgtgtg tcagcttgac 180

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gatataattg ataaatcttt ggaccagagc gagcagaggt tcaattccca gcaaccacat 300

gatgtctccc aaccatctgt acagctacat atacatactc atatacaata aataaacaaa 360

tcttctttta aaaaaatttt taaaaattaa aagaaagcag gctgagcaag ccaggggaag 420

caagccagta agcagcaccc ctccatctcc tgcctccaag ttcttgccct atgtgagttc 480

cagtcctgac ttcctttggt gatgaatgca atgtagaagc ctaagatgaa tcaacccttt 540

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<210> 2875
<211> 477
<212> DNA
<213> Mus musculus

<400> 2875
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cgaggccctt ggacgtcaca caggacttgg agttagctcc tgtgctgtgg tcttgctttg 120

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aagagactgt gtggacactt ttgaagttgg actaaatgca ttttgcatta tgagatgtgc 360

ctagcctatg ggggccagga agtggaatgt ggtggtttgg atgagagtgg ctccctttga 420

cccaacctct gagggtcagc aagctgcagt ggctatggcc tttatagggc agtcagc 477

<210> 2876
<211> 485
<212> DNA
<213> Mus musculus

<400> 2876
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ggaagttcag tgctcattta cactccactc tctccaatgg gatcaagcta tcgcttggtt 120

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tcagtgtgtt aggaagagct ggaaagcacg tcacagttgc atttgctgta ggctgctttc 480

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<210> 2877
<211> 504
<212> DNA
<213> Mus musculus

<400> 2877
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ttcttgcctc ctgtaaagca cagtatggtt gtcaatgcat gttatgtcct tgaatattgc 420

aagagcagcc aagcataacc gcgcatgcag gaaagtcact acaagagcag cctggttgac 480

atagaattct agccagccag cact 504

<210> 2878
<211> 460
<212> DNA
<213> Mus musculus

<400> 2878
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cttaaccact gagccatctc tctagctgta ctctttttcc atacagtaca ccctggacac 420

agtttcccct gcctttatcc ctcccagttc acaattaaga 460

<210> 2879
<211> 526
<212> DNA
<213> Mus musculus

<400> 2879
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<210> 2880
<211> 448
<212> DNA
<213> Mus musculus

<400> 2880
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agccagacaa tgcccaccac acagtttacc ttcttaccca ttttaggtat aaagtccagt 360

tgtgttaagt acacccacat tgtgtgtact tttgagaact ttacctgaca aaatgaaagt 420

ctgtcaaaca acttctgact cctggtac 448

<210> 2881
<211> 545
<212> DNA
<213> Mus musculus

<400> 2881
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ttaaggaaaa ttcctttaaa cgtcaacgtc caggaatctc ctctgtcctc ctgtaatcta 240

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gtcattctct ggttttggtg aggttggaca ctctggtaag agccacacag aaccagacta 360

gactgctgag atcgatgtga ttgcttgtgt ttcgtatttc atttcttgag tggagtaggg 420

acagagttca agagctaagc cctgattacc ggcttgacct gacagagaag ataccatgtc 480

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gcatc 545

<210> 2882
<211> 561
<212> DNA
<213> Mus musculus

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agtaggttca gaaaccccaa cacctcatac ctaaggacag ggaatatttc acctactccc 360

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tggtcacgta acacagaaca gaattctcca tgctaatgag atatctagat gggttctagg 480

ggttaatcaa taagcttccc ttccaggaca ctccttcctg aaaagacctt tcatctctgg 540

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<210> 2883
<211> 449
<212> DNA
<213> Mus musculus

<400> 2883
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tcacacccac agtgtttgca gcggttttt 449

<210> 2884
<211> 449
<212> DNA
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<400> 2884

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ggagtgggaa cgtttttca cctgtgcagg ggaactactg gtttctagtc tgtggctgag 420

ggtggttggt ttgcatgagc tgccacaga 449

<210> 2885
<211> 497
<212> DNA
<213> Mus musculus

<400> 2885
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ggagtttctg aaatatttta gaaggtttaa gcagattagt gagcttccag ctgttagcca 480

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<210> 2886
<211> 460
<212> DNA
<213> Mus musculus

<400> 2886
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gaaattaaaa tatagttagg gatctgctat atttctcaaa ttagacacat acacacacac 360

acacacacat acacatatat atatatacat acatatatat atatatgcaa atgccttaag 420

atcaatagtt tctatgcact tttcccactg ataattgtct 460

<210> 2887
<211> 521
<212> DNA
<213> Mus musculus

<400> 2887
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gtctttaggt cgatctgatg taataaagga aagtgtaaag gtgtggctaa aagtgtaaac 360

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tctcttgtta gggctctatt tgtaataaag aattgtccac ctaattataa cattccatat 480

tcaaactgga aaattcttct gcatctcttt gtttctagta c 521

<210> 2888
<211> 562
<212> DNA
<213> Mus musculus

<400> 2888
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cagaggctag ggggtcccag aacttggggt gcaaattgct gacctgggga gcggtagcac 120

tgaacgcctg tcaaggaaag actatctctt cctacccaaa acaaatatat aatctacctc 180

cgagcagaaa cccaacattg caacctatcc aaaacctgag ctattctaca catgctccct 240

ctgaaacttt gggcttttcc actgtttttt taagtcctcc ctccagagtg ctgcttgttc 300

accatgtggt tgaccttcaa gtcaccgtta gcacaacatg gtggctttct ctctctctct 360

ccttttccaa tctcctcctc caggcagctg ccgagatttg tagcttgtct gcccgggggt 420

tggttttctt ttaaactcta atataaactg tccttgagtt ttcttctcag attgtctgtc 480

cttgaattct tttattaaca ggtctaagag ctagagaggg aaatctcaat ttccctggta 540

acgtgtgact ttacctccaa gt 562

<210> 2889
<211> 467
<212> DNA
<213> Mus musculus

<400> 2889
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taaagtattg gccatctcat ctggctggct gggagctatg gaccactgct caatgcagca 120

atgcaaaaag tcttcaactc tatatcacta agcaagggaa agatcacaaa tcacaatcca 180

gagtttcccc tgaatgtgta gcacttttac actatcataa aacacgctga gttgggagct 240

ggtgagatgg ctcagtgggt taaggcactc ataaccaagc cttgtgacct gagatccatg 300

ctcaggaccc acatggtaga aggaaagaac tgactatcca caggctatac ctttccacac 360

gtgcatcatg gctcatgaaa atgcacaggc acataataac tttcttattt ctactgcaac 420

cagatatggt agcacattcg tgtaatccca gcatgttcag tgtagaa 467

<210> 2890
<211> 461
<212> DNA
<213> Mus musculus

<400> 2890
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tctgcacggg cacggtcgct ttctgagcta tttttcactc tttttttttat gtatcacaaa 120

ggaaatgctc tatttgttca actattttcc ttccctgcta gactgctaaa ttatgatgtt 180

tggggtaaag ttttattcat ccttgccttt tcagtaccta atgcagaacc tactaaatag 240

tagacactaa acataggaga attaactcat gaagaataga ttgtatataa tcaaattaac 300

aaagtaacaa ttttttttcac aggattctag attagagcct ttgttctgac actctctcat 360

agtatcatat tcttagatgc ccaaagatta cttggccaaa tttacattac atatttgcag 420

ggttaggatt atacccaggt attccatggt ctattttcta c 461

<210> 2891
<211> 349
<212> DNA
<213> Mus musculus

<400> 2891
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tgctcagtct tcattggaat cctaagaagt aggctttact attagaaaag aagggtctca 120

gcagccggat aatgaacttg ccaggaagaa aaaaagggca agcaggaaaa aagcaaaata 180

cttccttctt tcatatcctt gtatatgggc tgccaccaga agatgtgtcc catatttaag 240

atgcatattc agacctcaga tgatccaggt ttagggtgtt cccacatcaa gttatcctat 300

cgagaaaatc cccaatgaga ctgcccagct gcttgggttg attgtagat 349

<210> 2892
<211> 546
<212> DNA
<213> Mus musculus

<400> 2892
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tatccttagc caggtagact ttgtctgcat atgaaagcta gctctgagtg tgagccaaaa 120

agtgagctag taatctggat tcctccatag tttcttctta aatttcttcc tgagttcctg 180

acctgagttc cctcagtgat gaactatgat tgggaaatat aagctgaaat aaacccttcc 240

caccttttaca tcactttggc taaggagtcc atcacagcac cagaaaagga aactagaacg 300

gtacttttt ttttttttt tgagctatta caaataaaat gctttcctta attttatcat 360

cattggtaca tgtgaaaggt catcattttt tatatgttga ctttgtatct tgcaacttga 420

gtaaaagtgt ttattagatt aaagatccat ttattcctgg tttcccaggt tttggactat 480

aagttttcag cacacttccc aaagataatc tgaattttac tggagtttct tgtaacaatg 540

cccttt 546

<210> 2893
<211> 517
<212> DNA
<213> Mus musculus

<400> 2893
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ctgggtacta tgcatgtgta cacaaggcat attttgatga aatcattctg tgtatctcaa 120

aatatggagt tgatgtgaga ttatacaagt ggcctcccat ttctctactt gtataatttc 180

tccacgtgta aaaggtgaga atcatgacaa atgacacagt ctgagtttcc tgtgctagaa 240

tactctggaa agtgtgtggg aaaagaatga aagtgtgaaa gaagcaatgt gcctgctgaa 300

agcctgcaag aaagccccca aatgagtgaa tgtaacttaa aggcaaaagt atcaacagac 360

ttttctcaca tcattgtctc cacaagtcaa cactagttga ctttcaactt tactctgtac 420

tccagaaaaa tcaagcccca taatatgctg aatattagac ttctgaatgg tcataaggca 480

aattttaaaa tcaacacctt ggcctgaatt tgtcctt 517

<210> 2894
<211> 513
<212> DNA
<213> Mus musculus

<400> 2894
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gctccacaag aacacagcta ccgtgcattt ttctgcaggg tgaccctcac tattaagaca 120

aaatgagaaa cttaacaaaa ctcagagaca aacaagggta gcagttcata ttctgaccaa 180

caaagctcaa atccccccca ccaccacctt ttctgctctt cttatttttc taatgatttt 240

ctttgacatc actggggatt tttcaggctg agagcattat tttaaaattc agtgctatct 300

atgtattatc tgttttcttg ctatggtttt atttggtgtg gaaatactaa cacaagactg 360

cttagccaag agtttcctga catgtcagtt tagttgcatg tgtctgaggg gcagggtgaa 420

catgggtggg gacacactgt catgtgtggg tggcctggat ccattctcat gagctggtct 480

ggatcattca gaaagacctt ttactaacca tgt 513

<210> 2895
<211> 502
<212> DNA
<213> Mus musculus

<400> 2895
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caaaatagct ctgggcctgg ggggcttgtc tctgctgcag ccctgtgttt ttgagcactg 120

cttggctgcc tgtaacagta catcatcctg ggtgatgaat tctgtttgct tttttcagaa 180

aggatctcac ttggtagcca ggggctggtc tggaactcat ttcactgacc atgccggcct 240

tgaacttgtg gcaatcctgc ctcattctcc tgtgtgccaa gaatactggt gtgtgtgtgc 300

catccatgcc taagatttta tgggtccact aacaactgaa gggggggggg ctgtctctga 360

ctctgttgcc tgccattgga tccccttccc ctaaccagac tgcctggttg ggtctcagtg 420

ggagggaatg tgcttagccc gctgggactg gatgtcccag ggtggggtgg tgcccaagag 480

ggactttgcc ttttctgaga ag 502

<210> 2896

<211> 451
<212> DNA
<213> Mus musculus

<400> 2896
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acatgtaatc ttataagctg ccaggaccat gaggaagatt aagagtttca ggcgacctgg 120

cgcaacacta gcacataaac aaagacacac atataaccac acataacctt agggaatcag 180

tgtgttgggg ctaggccttt gagatgccag ctactgtgga catgttagca ggaggctacc 240

atgcatcttc catggcctct gagaaactgg gtctggaggc tgtgaagggc gatgctattc 300

ttctccacag gccgcgcccc tagctcctct gtgctccatc atacagctca ggggcttgac 360

ctctcagtct ggtctcctaa atctgtgatt atccatcaca cttctcagag ctcaaaacct 420

gccctgggtt agaacgctcc tgtctacaga g 451

<210> 2897
<211> 431
<212> DNA
<213> Mus musculus

<400> 2897
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ccagctttta catgtatgtt gtggcatgac tcaggtacat atacatttat acacaaaata 120

aagtaagaat tgatagttca gggtgtgtgt gtgtgtgtgt gtgtgtgcca gcaactgctc 180

cactcaaatt atagatatct ttgctttctt tctctagata taatgtagtt agtgcaacta 240

tctccatttg aacataattt gagaaagtga agttttagag agaggatgaa taagtttgtt 300

gggatgattt tggtatggaa ctcagtggta gcaatggcca acttttcatg taggctatgg 360

cttcctgcca tagtcatgct gagacacatt caggtctgtt tttactggag cagtcagaaa 420

cttttacttt a 431

<210> 2898
<211> 522
<212> DNA
<213> Mus musculus

<400> 2898
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tttggggcag acatattttg ctgtaccagg gggatgttcc attgagactg aaaaccaagt 120

acatctgtgt agcatcttca ttttaagtag aagaacctcg gattggtggt ccctaattca 180

gagtcgctca gaaacatgtg ccctgttttt tccactggac gctaacgggg gctctttcct 240

taaaggaagg catgtggacc acacactgat acttaggaag cttctttgtt ccacatgaca 300

aatgtgtaga gaacgcacta attgtggaaa ttggtttctg gatattccag tctccatacc 360

catccaatgt gatgtgatgt ctgtctgtct ctgtctcttt ctctctctct gtatatgtgc 420

aagtgtgtat tcacacagtg ctcagtacaa ggcacacctc atatgttcag agacgtggtg 480

acagagtcag tggtcagtct cagtgcaggc ttactaaggg ct 522

<210> 2899
<211> 547
<212> DNA
<213> Mus musculus

<400> 2899
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tagcttcctg tgtgaaatgt ttacttttct tttgaaatgt ctctgtctaa aagcataaat 120

gagccgggcg tggtggcgca cgcctttaat cccagcactt gggaggcaga gccaggcgga 180

tttctgagtt cgaggccagc ctggtctaca aagtgagttc caggacagcc agggctatac 240

agagaaaccc tgtcttgaaa aaccaaaaaa aaaaagcata aatgttatgc tttttaaaaa 300

tctttaaggg gttgtggatt tagctcagtg ttagagcaag catgaggccc tggctgcagg 360

aggtggtggt gatggaggta gggggagtgg gaacaaaata aaaaatgttt aaaccatgaa 420

tgttttaaaa ggtattattt tatcatttgc ataatcaatc aaatttggtt ccataataac 480

ctggtcctat aaacttttaa ataattttta aaaggaaaac taaagaaaag ggaatcttgg 540

catgctg 547

<210> 2900
<211> 432
<212> DNA
<213> Mus musculus

<400> 2900
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gtgccattcc tgcgactttt acatgtcttt cctccagggc acctcaagtt ctgggacatt 180

tttgtgctag ctagtctctt ctggtcctat cggccagtct atgtaaccaa gttccgtgta 240

actggcactc atgctcacaa acttcatctg cctaagtgag ctaggaaggg cctcaggcca 300

ggtgctgggg acagggtagc cagccccatc cagagggcct caggcgaccc aacaaggctg 360

ttgcccagct cagattagca gggatgaagg aagagcttgt ggctgacatg gttttggccc 420

acttaggatg gc 432

<210> 2901
<211> 558
<212> DNA
<213> Mus musculus

<400> 2901
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tttttaactc tataacatgc atctaacaaa atcctatact aagcacacgt aatgggagac 120

atcggagtat ctttggaatg aggcctgtga tgaggatctt cccgactggg ctacatgagc 180

cccaagccag cctggcatta ttttgtcatc ttagccagta caaaagtttt cccagtaaag 240

agatgcacaa agatgaatag agttatgtaa ttcaaactgg ttaaaaggaa aaaaaaacct 300

caagggtctg gagacatggc tcagcaatga aaagcactgc tgcttttcta gaggacccgg 360

ctgggttttg attctcagaa cctgtaggca gttctcagcc attcgtaact tcatttctgg 420

gggaggagat gccttctttt ggcctccaca gctactaggt acgcacttgt acctagtaca 480

tgctaacaaa atatccacaa gaataaaatt atttaaaaaa aaagctagac ttggtggcat 540

agcctacata gacctaca 558

<210> 2902
<211> 455
<212> DNA
<213> Mus musculus

<400> 2902
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tgtgccgcca ataaaaaaga accaaccaac ttgttaccaa caagaaacac ctgtccagac 120

cggcttttca aaagcaagga gatagtttcc aagactataa agatctttgt cccatgggat 180

ggggtctttt ggtttgtttt tgccttttg aaaaagggtc tcactatcca tggctggtct 240

ggaactcctt aaacttgtag ccaatcctcc tgcctctgac ccaaaagtac tggaattata 300

ggtgtgtgcc gccatgtttg actaaaaacg accaaatgtt gtatactaat ttagaaatga 360

aaataaagct gaggggtcca tttaaaagtt gcacagaatc aagttgggtg gtgatgtggt 420

acacaccttt aatcctggca cttggaagtc tgaag 455

<210> 2903

<211> 493
<212> DNA
<213> Mus musculus

<400> 2903
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gtgtgtgtgt gtgtgtgtgt gtgtggtgat gagtggatca cctgtgtgtg tatatgtgta 120

tttgtgcgtg cccgccagag tcacaggtgt gtccgcggca ggtggatgac gggtgtgggt 180

ctgagcgtcc gtggtggctg aaggcttcgt ttgttggagt gtgacgaggg tcaggctatg 240

tcgcggactc ggcatacaga gtctgaactc caggaccacg gatggcagcc actcttccag 300

tccttggaga ccgggtccga gcgatggctg gcggggatcg gctaccggga gctcgcttct 360

ggttgccaat gtttctaggg attccaggtg cggctcgccc aaagcgtgag aatgaagctc 420

acggtgcccc gagatgggtc ctgggtggcg gttgtgacaa gcttcggcga gtctatctag 480

agcttagcgc aga 493

<210> 2904
<211> 426
<212> DNA
<213> Mus musculus

<400> 2904
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attttccttc ctcctcaatt tttctgagat agggtctcag gtagtacagg ctagcctcga 120

cctttctaca tttgcgagct taactttgga ctcttttaat ttcttgcctt tgcttccaaa 180

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agcaagaaat ggaggtgctg aaactagaag ggattattat tacatgtcat gaaccctcgt 300

agtagctagg tgctttgaag gaagttacaa ggtttgtgca ctcatctccc aggcccttat 360

atttccatgg tatattattc cagggatgac ctctggtctg caggatatca attctctgcc 420

caaaag 426

<210> 2905
<211> 346
<212> DNA
<213> Mus musculus

<400> 2905
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agctacagtg tacttataag taaatctttg ggccagagca agcagggtca actggagcga 120

gcagaggtcc taaaaattca attcctaaca agcacatgaa ggctcataac catctgtaca 180

actacagtgt acccgtatac ataaaataaa taaataaata aatctttttt taaaaaagag 240

agcgagagta agtataaaat acttctactt ctgggctgga gagatggctc agtggttaag 300

agcactgagt gctctgccaa aggtcctaat aagttcaatt tccagc 346

<210> 2906
<211> 497
<212> DNA
<213> Mus musculus

<400> 2906
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gtgcattata agtgctaatt actaacagac cagagctaat tacaggaaac tgtaatgtat 120

gcttttgaga acggttcttt cagacccaaa cagaagaagc attcataggt gaattggctc 180

ctgaataaat ttcactgaga aatctttacc actgacatat gtgatactgc actaagacct 240

cagccagcat ttgaggaatc acctttacaa tcacagcctc ctgttggaaa tagttttgaa 300

atttgcccag taaaatgtac actgtgctac cttgggaatt ttcctaaaaa tgcatgggaa 360

tttggtactg tgttttggat gagaaatgtc tcccacggtc tctggcattt ggatacatta 420

cttccagttg aggacactct ttggagcttt aagtatcata cccttgctga aggaaggttt 480

tcactggtta cagactt 497

<210> 2907
<211> 273
<212> DNA
<213> Mus musculus

<400> 2907
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gaagatcaag cagcatcctg ccttacctgg gttccaaatc ggaaatgctt tctagaaatc 120

ctgaatttcc caaactcaaa tctcctgggt tcagatcgga acctagcatt tcagcaaagt 180

tcccaaatca gtcttagctc ccagacggcc ttacaatctg gaagcagtgg cttggacagt 240

cattagttgc cccggtaatc tttctgcata caa 273

<210> 2908
<211> 457
<212> DNA
<213> Mus musculus

<400> 2908

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aaaaaaaaaa aaacaaaaaa caaaacaaaa caaaagcaaa acaaagaaaa ccagaacaaa 120

agagaaaaaa aaaaacaact ttaattttga atgtcacaga cgtaccagcc agaagcacag 180

tgccagcttt ttaattccct agtctcttag cagggagacc caaatggagg agttagggga 240

aggactaaag gagctgaact ggtttttaac tccataggaa gaacaacaat atcaaccaac 300

cagagctccc agggactaaa ccaccaacca aggggtacac gtggagggac ccatggctcc 360

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cctatggagg cttgatgccc agagtacagg aatgcta 457

<210> 2909
<211> 489
<212> DNA
<213> Mus musculus

<400> 2909
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cctcttcttc taattagagg ttgcccaggc atctttgttg atccttggtg aagagagaga 120

ttgaagagcc agtctggagc tctgtgtgct ggtgggggggc gaagcgtctg cttggggctt 180

ccccaatact ggcatggata ggtcctttct cctcaactgg gcagagccac ggggcccgtg 240

tctttgagga tttggcatta gcgtttgcgt attaggacgg gctggtgtgt ccccatgttt 300

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tgcttgtata gattccttca gtaggtattg gggtctcttg tatcgttggc cttgaccctt 420

attgactttg tctcccttca gaagagtaaa gccaaagtta tccagacttg gtcaggtact 480

caggaggct 489

<210> 2910
<211> 500
<212> DNA
<213> Mus musculus

<400> 2910
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actaaggctg ccaatcccat gataaagccg aggatatcca cacactagct ctggtgccag 120

ggagagctta actctcacac acagctgtgg ggcatgaacc aggacagtcc ccattgcagg 180

gtatgggatg ccatttatgt tggaaatgct ctgctcatgt cttgttcaga cagaccttct 240

ctcagaaggg tttttgcaga gcctcgctgt ttataacagt tccgggttag caccaaccca 300

cacacccact gatgggctga ctggccaacc aggagaccac caggacgcat ggcccaatgc 360

tgaccctgaa agaagacctc tccgagttcc ccgattgaaa aagttaactg tacattgaag 420

aatacctgcc acagccaggc gtgcaaatca caagcagctg tctggaccct cacatgtgta 480

tgcgcctgag tgagcactgc 500

<210> 2911
<211> 274
<212> DNA
<213> Mus musculus

<400> 2911
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ggagaaaagc gccttagcgc cttgagtttt gatccctagc taccggaggc tgacatttaa 120

gaaagaagtt ggacaataac ttccaggttt ccactgaaac tatgccagac tcctgaagtc 180

tcttctctgc tcagccagga tgcagaggtc tgaggagagg tacactattt tgaaaggatt 240

ggacttcttg agccgcgact ccaagtatac gaga 274

<210> 2912
<211> 443
<212> DNA
<213> Mus musculus

<400> 2912
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agtaagcaac tctccacttt atgcaggaag gaacttgggc tctgagattt tttctggccc 120

accgacccac agctggaaac aattctatcc agactctgaa ctgcaaaggc aggcgtctcc 180

tgggatactg tgagcacact gatgccagtg ctctcaacag gccgcatcgc taaggggccg 240

aacgttccaa ggatggatag gcaactgatg tgaaacagat aactgtagcc aggcagcggt 300

ccaggacacc tagagataaa gccaaataca gaccagaaga agcctagccc ggccctcgcg 360

ggagcgagac cccgccccgg gcgcgtccgc gagcgtggct gtagctcccg cagaaccctc 420

accgcactga gagaccttag ggc 443

<210> 2913
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<212> DNA
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<220>

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<223> n is a, c, g, or t

<220>
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<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<400> 2913
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aagaagagat tttntcgttt tttgttttnc caangccnag tgttgctncc taaaaaaaaa 120

aataaaataa aatacaaaaa tacnaaaaaa acattgatac tataaaatgg taaaaagcgt 180

cttctttcta aacagcccca gtgttgaagt ctatacttaa ttttgtt 227

<210> 2914
<211> 492
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
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cagcatgngn catggagagg gaactctcat gctgctagcc agacccttg tgatagagac 120

tgtgtgcaaa gacagtgnct tcccttaact ccctggagaa cctgaacaga tgccaccatt 180

aggaagtgcc ttgcggctcc attgactttg caggagcaga gccagcctgc aaggctgttt 240

gtggaagatc tgctgctcct gcagtcttta tcacttccna gctntgatgt gaacacaanc 300

aaccnnntgg gctcnaaggt ccngtggctg ctctgacacc ttntgaatna gcgatttcag 360

tncaaatgnc ctnnccnaan ctncctcnca gggctncttg gaggatgttt cagttgataa 420

aactgtttga agacaggatc cttggcactg tttaagaata tacactgctc agcttaacca 480

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ctgctggctg agtgtttaca cattgcttnc ctgctaaagt atatgattaa actg 114

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tagttcctag aggagacagn ctatcactcc ccctagacca ggcgctttgc ggtgacagnc 120

tggagctata ntggatgggt gatgagagac gttcccccat cctgtgtctc ctgctgtgtg 180

gacacatgtc actcctgctc cacatgccaa catggttcat ttccaagggc accctataac 240

cagagagcac attaattcct gtcctataag agggctgtgg gaaactgtgt acctggaggt 300

ggtccannnc nnannncnnn nttnnnncct tcagcttcat aggcagcata cnnctgctnc 360

cccnattgtg ggtgggggtn ccccactgcg tactgtgttt ttaatttcat ttaacttcta 420

gcagacacgc tcagt 435

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aagactgagt gttcggagaa cccctgtatg ggccctctga ctgatcaggg cgaacccctt 120

cttgagactc cagagtgacc aggttggacc ccacctagat ggctagagtg acaagattgg 180

acttcacctg ggtccttaaa atgatagtgg aggaagggaa cctcgcctgg gtccccagag 240

tagccagagg acttagcttg ggctcccaca ntggnctatt nnnttggacc cancttgaga 300

ccccagangc nagggaagac cacacctata aatcaggcct gggaaacatn cagaaacccc 360

atttgaacag actgtgggac tccaatctga atcctctatg tggacagagg atgatgggnc 420

cnagaggcac ctctgaggtn cccntcagcg canccntcgt aaacttcatt cactgtgaca 480

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gacttttcct tttcatcatg gaggcttaac cctaattgaa tctttgcagc ttttaaaata 120

gctcaatctt ggttgatatt tttgatnttt cacttccaga ttttttttct gtaactctac 180

ttgttcttng tctgtgtaaa ggnatgtgtt ctgggtttgt cgaggggaaa catttgatag 240

aaatgtccat ctnatagaca gnatntctta ttttctgnag acactnatat tgattnatat 300

gaacttttga gttactacat tgacttgtga tggttnccca tgagatttat naaatttgnn 360

aaatntcaaa ttttaattga cctccacctg agaattcctt ctttttt 407

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tattttgttg taaatctata gcagttttgc ttttaaattg tgtactttat tttccaccca 180

tgactagctt ggagtatatt tttgatgtat ataaatacaa aaagagagag agccgatgtg 240

atgcttacag acattcacta ngcaagtgat aaaatttcag aagtntcaca tcttactgca 300

tttactncat cccgtntctc ctggcatttc tncagttttn tgcatagttc tcatttagaa 360

gagctagttc ttatgtgnac agtttcttta gaactttgat taacaagcta tggcttgtaa 420

ccagtggagt taaatgctga cttgatccac aaagttaatg aggctgtgta ccccccctcc 480

aactgtaatc ttttcagttg acagtactt 509

<210> 2920
<211> 264
<212> DNA
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<223> n is a, c, g, or t

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accgaggccc ttagactttt atgnccttcc tgaatatgag gcaacattgt ttgtcnccaa 120

ataattcctg acgtatagtg taacaattct ggctgtgcct cagtttgcac tctcctgggg 180

tcatctgggt tatcttctgt ttaaacagcc ccaggggcca tctgttctcc ccgtctactg 240

tacgagtgct ggagatggct ctca 264

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<212> DNA
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gcagtatccc ttcacttgcc agggtgacaa agaagcaatc cagcaagttn nnccggntcc 120

cagggagcac tgagtggaga accagccaag aggcacattt accatgttaa aaggcctacg 180

ttcccaagaa cactgctttc ctgctaatac cttcaccaat agtgcatctt ataggcgtga 240

tacagcagtg aattgttagg tgtatatcta acacacagaa agtctatgct ctccactact 300

gtgcgatatc ccaacccaac accaacgatt ncacngcccc gcttttctgg attgtaaacg 360

ttacaaagca ctcatgtcag catttaccag antnccctac aggggacttt taaattggag 420

ttctgtgttg tttatttcag aaaacatagg cttaaagtca ctttgactgc acccattcaa 480

atccatggta aaaccatgtg ccttttcccc agctgacaaa ggttaga 527

<210> 2922
<211> 377
<212> DNA
<213> Mus musculus

<400> 2922
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gtgtgtcaca tgcatccctg acacaggaaa ttccaggcat ctgaagcaaa ctgccctttg 120

tcctcaaaga aaatgtttaa aaagaaaact ttttaaaagg ctattttgca tattatctgc 180

cttgttctta tcacacttga gatgttgaca ttttctgacc ctgtgtcttt ggctacaatc 240

attcagtatt tgtgtcaaat ttgacaagtg ccctaataga atgtgtttga atgttatcct 300

tgcacaattc tttaaattga aagacaaaat gttttacctc actgttggac atacattcca 360

ggcttttcga ctttagg 377

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<211> 472
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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agtctattta gctgctgggg agaggacaga gctcacactt tgtatctaat acaaaaagaa 120

gatcaataca aaaaaaaaan anntcatctt cctctcaagt ggaaaccaaa ccaangccaa 180

acccctttgtt taagtggctc agttaaatga ttaattgaaa ggaaatcatg aattgcatgt 240

cattcttcat gctgatctgt agactaaaag catgtttttc tgtctccttc aggatgtntc 300

tnnccnttct aagtacagta tattcaaatg gtagaaaaaa aagctgactc aaaggtttta 360

cgctttgtaa tttttccagt tctttttagc tttcaatgtt ggaataaatt taagtcttgt 420

ttatggctaa agtttctgta tggaaaaatg attcttgctt attagctttt gt 472

<210> 2924
<211> 529
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agtgtggtca cttgtcccaa acagccttct atgggctgtg tctacaagct ggtgtctgta 120

ggaggccagc ctcgaatcaa gctgacagag gaccctgaga agcaaacact gccagggagc 180

aaggnctgcc ttccggttcc taggccccga tgggtctttg ctactggacc tactgcagtt 240

agcagaagag cccccgccca aggctgggca ggaactgagg gtttggcctc gggggaccca 300

ggagcccntn cactgtgaan gccagcccaa gtggagccat tgctgcgact ctacctgcaa 360

cagggacagc tgtgtgagcc actgccatct ntggatgagt ccagacgctt tgcccagcan 420

tccctgancc tcctccnccc tgcacataag cagctgcaga gcccntgcag tgtatccgnt 480

cgcactntca gagaagcttc gggcactggt ggacagtttg agtgctcga 529

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atgcatcagc acacaccgca gcccgaggta gccggtgagg gacatgattt ggtttgccag 120

gtagcacagg ggtggtgcag gaccagtact ccctgaacca cagtccaaga cctcccctta 180

gcccctcaag gtcaccctct agtttataga ggcttgccac cccctaanca cccttcacac 240

tccctcctcc tcttctgcct gtgtcctgag ctnccttgct gcaaatncat ggggtacagc 300

tcaccccaga ggancctcac cagactgcat ccttcacctt tcaaagncca ctggcaccgg 360

gttccctcgt tgagtcacaa ctttgatttt tttttaattg tttttctcct tgttttcttt 420

tttaatatat atatatnata tatttaaaag gcagtatctt tttgtactgt gaattttcag 480

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<212> DNA
<213> Mus musculus

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ttgcatattt attttcaact ttgcttgtct ttaaaatcac ttgaggaaaa atggctaatt 120

aatttctgct acagaaaagc caactggtaa attttctcaa ttgtcttaaa tgctaaagta 180

taatgtggtt cagaggggct tttacgatag cagagaactg tacaaatata caggtagctg 240

tagttctaac tgaaatgaac ttgccatttg antgatgtgt acagctatat acctgagtcc 300

cttctagttt atgtagacta gcaatttgac ctgttaaaca ggactagttt actttgttgt 360

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<210> 2927
<211> 483
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (375)..(375)
<223> n is a, c, g, or t

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ggctgaagtt taggggactg cagacacatc tgggcccagt cctcagctgt tccttgctgg 120

tatacctcag aagtggaatg tcagagtggg ctactagaga cctctgaccc cagcagcact 180

ggcttgccct catatgtggg gtgtagtcac gtcagtgact tcctgggaat tgcttgtttc 240

agatcatatt gatctctttc cttttgtctc tcaccgtatg gtatgacttg aatcagtttt 300

gattctatgt gtaagttctc atcngtttgg aacctggtat ttctgttgtg ttcttggcag 360

tgcataggaa cccancctcc tgtgttttga ccctcctgca ggcactgtgg gactcgaggg 420

cagcagatcc atctcccntc ccttgctgca tgatggtcac tagctgatct gtgatggcgt 480

ccc 483

<210> 2928
<211> 418
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcgccctaaa gtgggaaact atttagcttg aactggtcaa ttcttcctaa tgagctgaag 120

gcaagccaac agatttcaaa aggaatgagt caagtcaaag atttttagac acgtcaaaat 180

atcttcttaa aattctccac ttttgaacac tgggtcagtt gtgataagac tgctcatttt 240

taatgttgta tggtattttg cattgaaaaa taaanttnan ctcggtatta cantccctat 300

nancnaatga tttacatgga tctctttaaa gntcctggaa cctgtgancc tcagttacct 360

catttntaat nagcagaaac acctacctca cagggttgtt gtgaggactc catgagct 418

<210> 2929
<211> 539
<212> DNA
<213> Mus musculus

<220>
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<222> (59)..(59)

<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (335)..(335)
<223> n is a, c, g, or t

<220>
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<222> (383)..(383)
<223> n is a, c, g, or t

<220>
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<222> (388)..(388)
<223> n is a, c, g, or t

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<222> (472)..(472)
<223> n is a, c, g, or t

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<222> (474)..(474)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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ttgtgggatt tggctggaac aaggtggccc acatcataga gttggatgct caggaatatg 120

aattcctggt acttcctgag gccttctcta tccacttgcc ccacgctcca agtctngaca 180

tctcccgctt ccgctccagc cccacctacc gcaactgtct ccaggccctc aaggaagagt 240

tccaccagga cttgtcaagg cgctatgggt ctgcagcccn tgaaatacct cactgcccnt 300

gcagcaggcc cgaagtcggn cctgagctta ccccnctgcc ctagctatgg cttacacatt 360

ccctgtagag gctgaccagg gtntccancc ttactgctat ttaagttatt taaaattttt 420

gtcagaaggg gcagagtgga gcatttgtgg ggttcctggt tccttctgct gntnccacac 480

tgggatccan ccctcctttn cctcagctgg tttggggcta gtctaattct cttatataa 539

<210> 2930
<211> 542
<212> DNA
<213> Mus musculus

<220>
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<222> (185)..(185)
<223> n is a, c, g, or t

<220>
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<222> (263)..(263)
<223> n is a, c, g, or t

<220>
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<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (425)..(425)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (498)..(498)
<223> n is a, c, g, or t

<400> 2930
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atgatatgtg attaggagct cgtgtgcacc ctcatatcca ttccatgaga aggtgaggga 120

tacctccttg gggctgtttg tatcatggac tgtcatgctc tatgcctggt cctggggtct 180

ctagnggata ctcatctgga gtctctgaag acttgaccca tatttccaag accctacaac 240

tccagccttg ccctatgaca tcntcaagga tctccacaga ggntgactgt tngcctatcc 300

acaanganac tagtgatcac tcttncagag agtgactctc gggaaaactg agagaaatgg 360

cttccggatg agatggacct gactggggaa acacctttga gcttgtaacc tagcagctgg 420

gnccnagtga gaggtgactc agacactcct ncctcagttt cttagaacag tgttgctatt 480

gatgcttaag aataattncc tcttgggcaa gatgattggg ctcctggcaa atgttcaatt 540

aa 542

<210> 2931
<211> 347
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (115)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

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gtgtgctcat ctcacacgca cccctctccc aggtcatgca ggacccctcc ccccnnacnn 120

nncacacaca tctcatgctg tgcacccgga ggctgctcac gtctctcaca cccggtgtcg 180

gtgtcggtac acatctngcc tctcacatgc tgcccnttct cccacccacc cagggacacc 240

cgacggctcc tccctgatcc tttccctgta ccccgncctc gaggtgccct gcccagcggg 300

gcgtgtgaat atgcaatggg agtcccgggc tgtacaatgg caagtgt 347

<210> 2932
<211> 490
<212> DNA
<213> Mus musculus

<220>
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<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (452)..(452)
<223> n is a, c, g, or t

<400> 2932
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tcagtctaaa cactgaatgc tgaccaacca gctaggcagg tccagaggtt gggggtgggg 120

gaagggcaag gggaagaagt cttctctgct tagtaggact gccaccacgc cccagtacca 180

ccagatgcca tggcttgatg tccttatgcc caagagtgga gcaaggcatc ttgccatcag 240

aggctaaggg ctgaactatt ctcccatggg caagtctgcc actgtaccac cccagaccca 300

cantcctatg gtccttgtgg tgacacagat catggtggtg nccctctccc tcctcggtgt 360

atgtacaagt acaaatgtca tcatggtgta cctatgagga gaccaacagc accntcttgt 420

atgcacatct attacccaca catgtacaca cncattacgc atatccgcac cgtttgtttc 480

ctatatacag 490

<210> 2933
<211> 347
<212> DNA
<213> Mus musculus

<220>
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<222> (30)..(30)
<223> n is a, c, g, or t

<220>
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<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
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<222> (90)..(90)
<223> n is a, c, g, or t

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<222> (92)..(93)

<223> n is a, c, g, or t

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<222> (102)..(103)
<223> n is a, c, g, or t

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<222> (128)..(128)
<223> n is a, c, g, or t

<220>
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<222> (134)..(134)
<223> n is a, c, g, or t

<220>
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<222> (142)..(142)
<223> n is a, c, g, or t

<220>
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<222> (145)..(145)
<223> n is a, c, g, or t

<220>
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<222> (148)..(148)
<223> n is a, c, g, or t

<220>
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<222> (150)..(151)
<223> n is a, c, g, or t

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<222> (160)..(160)
<223> n is a, c, g, or t

<220>
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<222> (165)..(166)
<223> n is a, c, g, or t

<220>
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<222> (180)..(180)
<223> n is a, c, g, or t

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<222> (199)..(199)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (230)..(230)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<400> 2933
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cagcatcctg tgcggatttc acnttntntn tnngnnnnnn annttgacac tggggtgtgg 120

gctctgancc cacnggagtt tnaanaancn naaagagctn agagnntcga gagagatccn 180

atcaccgaga atgacaagnc aaccnggggt ggatgtggat cttgaaactn antanaaagg 240

ggntttcac agtgacagcg acattctntt catagggcac agctntcant ctatggctga 300

tccagagcga gcatccatga attctgcatg tgcaggggtc actctaa 347

<210> 2934
<211> 490
<212> DNA
<213> Mus musculus

<400> 2934
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agccagaaga tgcctgaaat gcctgcagat gctgtgggcg cccttctctt cctggaggat 120

tatgttcggt atacaaaact ccccccgaagg gtggctgaag cccatgtgcc taacttcatt 180

tttgatgaat tccgaacagt cctgtgactt ctttctcctg ctccagtgac aggatgttct 240

atgactagaa tgaacttgga cgtgagaaag atacttgact cctcatgcaa cgtgcatttt 300

cctcctctgt gggaaccagc cattctaagg aaagtggctc tcaactgtct aaatcatggc 360

atcgtaagga atttttatca tgtagatgca gaactgtttt gtacttgcct cttttaaatg 420

ctcagtataa ctgatggatg aagccattcc atcttatgtt ctaaggatct gtttgtgcaa 480

ctccagacct 490

<210> 2935
<211> 334
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

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aatgaatgac taagtccccc acccccttttt tttaggctgg ggatctatcc cagagttcta 120

tctccaaccc taaacagtca gaccccagcc tcagacatag atatgccaca ttcggtatat 180

ggttgctaaa atgtttccat ggcttgctta cttcggtgtg tgatgacgta ggccagcaat 240

tgcttttgta aaactagagg tgtggacctg gagtcggctc cttttgtctg cttcctctgc 300

ttcctntctg gctagactct aaactccttg agca 334

<210> 2936
<211> 553
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<400> 2936
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cttctctgta tagcnctggc tgtcttggaa ctcactttgt agaccaggct ggcctcgaac 120

tcagaaatcc gcctgcctcg tcagcttgtt ttgattagtc agtctgaaaa ggtgtctgaa 180

cagagtgcat gggagaacta gacatgggcc tgtgaacctc tgcagaaagg gatccagatg 240

gaaacacgcc agaccctcag gtgggaatga gcaaggcaga tgaagaggcc aggcccctga 300

agctgccgtg aaacaggagg tttgctgaag ctccagagcc gaaggctgat gcggtaggca 360

ccgagcctct ctgctctgct ttgtagagcc aggcagaaga attgatctga ggtgctgatc 420

ctgtactctt agggcttcaa agatggaagc tgcttcccac tggaccatgg aaagaagctg 480

taagcctgca gtgcctgccc cgtgggtgcc gatttcactg ctgcctctga cagctggagc 540

taggactctt ttg 553

<210> 2937
<211> 88
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<400> 2937
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tattaattta ccatttgttg tcattaaa 88

<210> 2938
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 2938
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aaacctgtgt taattgctat gtgtgcttga agtatctgtt cttttaaaga tgttctttaa 120

gtcatattgt cagttttaca atctagtctt ccttccatgt ttggtgaaat ctcactgaac 180

aggaataata gcaataacta acaacatctg cacagcacct tacagtttgc agagaacgtt 240

cacatattct tgtctgagtt ttgcatagtg aacatgtcac agagatgtcc cttgatgtca 300

atgnctaagt gttagaatgt tcagtcacag tgtcactgnc cttgctncgg cactgattag 360

cacactgacg ggt 373

<210> 2939
<211> 156
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (56)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<400> 2939
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ttcacctcct tccggtattt gtacataatg attcagtatt agtaagaagt gcgttatttc 120

tntcattgct gatctgtgtt ggtgctcatt tgagaa 156

<210> 2940
<211> 526
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (173)..(174)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<400> 2940
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tgacaacata ttttttgga agcaaaactt taattttata tgacatatac tatgaaaagc 120

taagaaaatt taaggactac tagtttcctt tttctttctt tctttttttt ttnnctttt 180

aaaatgggat ccactgtgtt gaagactctt gatatcatgt gcttgtctag acattttaaa 240

aaaacaattt aaatagaatt gagcgtgatc atagttatcc aatggatttg tttggagaat 300

tagattttat ttgtgaattg tttaaanaaa aatcaggata ctgataaatt tgactgtttt 360

tttctcttct cattatgttt tattctntgg ttatgaatca ggatatatac tccaggcatt 420

ttctttccca gcaaattgta ggaactttaa tttgattggc agttgtatgt taaatcagtt 480

ttctttcacc acttcttgag aaggcggttc cagtttgaaa ttgtat 526

<210> 2941
<211> 448
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

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tgtgtggttc ctcagcgatg taatcttgtt taaatgtaaa gttcccttga ttttgtcata 120

catataaatg agtattttca gagatcccac ttcacctgtt atttctattg tgttgaaatg 180

aagtacttaa aattactgtt ctccgtgaac tctgtagact gtatgatgtg ttacatatgg 240

ccaactgcct tttagctggc ctttttttatt aatatgcctg ttttaagtgc ttaatacagt 300

ataatgtgat tgtaagtcat gagcctattt taaatcattc cctcctgtgt atgtgtgctc 360

tgagagagct tcattttatt ntcccagcag agtaacttgt gatggttatt tacattcccc 420

agagtgtgcc tctggtgtga attctgtc 448

<210> 2942
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

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agaatgatag ggcagagcga gctcgtctca gcctttgtca tggcatacat agatgaaccg 120

cctttccagg ccctgcctac tcaggtcact tccgctctgt gtgcacgtga gcttcagtac 180

tccagaaaca ctcagagcat acatgcagag caggcagaca ccttgcagta acctgtatgc 240

tacagaatcc tgcatatcga tgaagtgcac actagaaaac catgagaagc agagctcttg 300

attgacagaa cttagatgtt cattttnact gggtnaacta aatacagtat ccctgatnat 360

aattgttggt ttagaagttg aaataccatt ctttattctc actgncctca aattcgctga 420

taatttttcc ctaaactaat aagtgggtaa gtataacctt tgttgttatc cactggctgc 480

tcctaaactg gtttccag 498

<210> 2943
<211> 382
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<400> 2943
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tcttcccgaa ggttaacaat actacgttca tggaataaca aagcagaatt ctcttctttt 120

acaagaagcc aagtttttaa ttctataaaa gtcagctcca aagagctgtc tctgtctcct 180

gaaatagttt gcaccaggag tctgttgatt gtgaagctga ctattgtaag tacttacaag 240

tgttcctttg ctttaaggtg taggctttcc tacttgcttt gcagaagtta gcctagaaat 300

gaggaagncc agaggaaggg tgagaaagtg gtagtgaact actccncgnc ctntcgtgac 360

cagactggaa gctatgttat aa 382

<210> 2944
<211> 312
<212> DNA
<213> Mus musculus

<400> 2944
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ttgtcacata ggggcctatg gtttgttgct caacaatata gtacttttct catgtgactc 120

aacactatag cacaagtatt atttccctgg attctctgaa ggagcatcta aaagacgggt 180

ttctgacagt gtttgctctt taaactatgt tttctcctac cccaagttgg ctttgcatct 240

attaaataag ttcttcagct gccttactag gagttctacg agggcaacat cttttctgca 300

tttcaccttg ta 312

<210> 2945
<211> 460

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
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<222> (289)..(289)
<223> n is a, c, g, or t

<220>
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<222> (293)..(293)
<223> n is a, c, g, or t

<220>
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<222> (377)..(377)
<223> n is a, c, g, or t

<220>
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<222> (413)..(413)
<223> n is a, c, g, or t

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gcttccagct tggaaacccc ctggacttaa tgtagagaaa gctttgcaga cactgctttg 120

gggaaaaaca aacaaaaaac cctgaaaggg acagttgtaa aacatgtata agctgctgtc 180

tttggttact ntntccatgg tttggtgtgg ctgtatttat tttaacttcc atntnattag 240

tnatggtcgt tgggagtctt tntaaaccat gaacaccatg gacattggnt cantcccacc 300

catgtaacca acacgtgtgt gagtctgctc atttccaata ctggataatg tatgttaaca 360

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ttaaccattt atccaaggtt gnatatgtat aattatctaa tgatgtctat tcaattgact 120

ttacatntng cattntgtat catgtcagta tgtaataaag agagatgatt ttttccagat 180

aagcttaata aattgacaga catttggttt ttttttaaat gggtaatagt atttcctatg 240

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<212> DNA
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aagcaaatac cgaantcnca gggggaagct ntccccaggt tntgtggacg ccaagatgca 180

caaaggggag tagtggcaaa gggccgtgcc ctacaggtgc cagggcagca gccactgggg 240

tccagctgcg ctgtctcact caccgcagct tcantcgcnt cctgagaggt ntggtntccc 300

tgccacaaaa tcatttgcca ataa 324

<210> 2948
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caacaattat cttctgatca aagtcttgta aaggctctaa agctccttca gaaaaataat 120

tctataattc atggaaatgt ttgccacaaa aatttcttca gggtcccagt ccttctagaa 180

aacatctatt ctgatgttta cccttgatat aatgaaaaac agttgcttca ttctaatgtt 240

tgcagtagat acaatgattc tactagaatt ccactatcat ttttatttag cattttgttg 300

tatctggtat attcagccat attcaaacat taggtctaag tatggactgt attgtatttc 360

caaaggtaaa caaggaaact agaggaatga aagaaactgg gtagtagttt gtattcaagg 420

agttttgntn tgctgcgaca taagtgtttt gtttttacct tccttccttt tgattcttca 480

gaagcacc 488

<210> 2949
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gatactaacg agggctggtt tatttgcaaa cctgaatact tgtgttgtgg nttctccagg 120

acaatttttt tattattatt tctactgaac atggagccat tattaaaaag agttatgtgt 180

ggtttttcat tatgtaaatt gtatatatat ttttttgctt gtttgaggtt ctatttttct 240

aatagtcttc ttacagtttc ttataatgat gacattagat taagtccgat actaactgta 300

aatcaagctg gtttctgctg gattcccgtg gattaattct attttatttt aaggccaagt 360

gcaggtgtca tccaccaccc ttttgaaaaa aaatgtgaaa tttatgtttc ccctcgttgc 420

tgaatacatt gtacactggc aagacccctc ccatacttat gtgttgtaaa atcaaagctg 480

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<210> 2950
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tggaaacatg gctggcttcc gccagggccc atcctttctg acttgagcat cttatgtccc 120

cacagatagt tatttcatcc taataaaagc ttactgtttt gttggctccc aagcattaag 180

gaatcttaag tggggaatct aagtgccagg gtgcccaccc cttggggtng ttggtgggtg 240

atgcaaacag ggatgtttga gtccaggtat ggttgggcta gcgaagggag tggccagaca 300

gagaatacat ggcccnatgg aactgttaga gaactcagag tcagcgctga atgtatgtca 360

tgtnatataa ttcaaaccgc gtctntttnc cttcatcatg agaggattgt acataaggtt 420

cctgggggga gagcgagtgg tccgtttctt taggcttgtt ttggtttgcg aaatactttg 480

attgtcacag tggtgcaagt gaaacgtgct acactccaat gtggt 525

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<212> DNA
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<223> n is a, c, g, or t

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attgcccctg ggagcagaag gtggtttgat gagatgggag gggcttagca gcagggtagg 120

ggggagctgt ggcagtgtcc ttgagatctg tcaacagaac tgtatggaaa ctgtttctgt 180

tcgagctaga ttatagacnn nnnannncnn nnanngnnaa cnnnnnnncn tctnncnnnn 240

ctnncnnccn nnaggaaggt gacatttctt agtctctttt caatgttcac gaganaccng 300

tntctantat nagnnacaag atntggacct ncgatccccg gnaccacant tacagnactg 360

gggntcattt tntnagtgaa actaatggac cacgttntct acgaacaaag aaactgtatt 420

gtagaaaccc attcctccat gaattttatn tcctatatat tatgtgcata tatatatatn 480

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tactgcccag aagcgattca ctcat 565

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<211> 386
<212> DNA
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<222> (74)..(74)
<223> n is a, c, g, or t

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<222> (293)..(293)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caaagttctt gtanaggatt gcaaatttta gtctgttttt gtaatgggat aatattgatg 120

gctttatgac ctcagagttt aaaattcaca tggaattgat tttcttgtca ttagaaggta 180

atgcttgaac atttgatttt tctattctgt gatacctggg tgtcatactg tctaatggcc 240

tttggtccca attgtgaaat tttatatgag ctcattcatt ctctacaaac ctnccccctt 300

tgggtctntg gtgcctatgt atcatngtct ggtctctagt tggtggaatt gccctttttt 360

gtactgccac ttctcaacat ttttga 386

<210> 2953
<211> 362
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtctgcagtg agtagtagct ggggcagtgg ctttganctn gggccttaac acccccagcg 120

gatagtgcgc ttggctgcaa gactgganat cagttgccat tgtctttggt tctgtgacat 180

ttccacttga aagggtgaaa ttccccttcc cactccttag cgtctatgcc aacttgtgat 240

gtccccgcct gatctccagc tcccagggtg ccggggttgc catgtgaaga gatgcccatn 300

tggtagaacc tnagaggtgt agtttgaaag tgacccctgt gacgatgact tttctttgct 360

tc 362

<210> 2954
<211> 479
<212> DNA
<213> Mus musculus

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<222> (451)..(451)
<223> n is a, c, g, or t

<400> 2954
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gggcacttga ataaatctcc ccatggccct ggcttcgttt ctccatcaca gacacccatc 120

acatatggta ccccacttga attaagttct gagatccagg tggccagagc tgctatgatt 180

cctctgcctc catgctgcta tgatccggac ctctcggcat ggaaacccga gtctgtctcc 240

cttcccaggc tggggaactg cgccctcccc tcctgccaca gacagacctg ccaaacagct 300

ctgttcttca tggagtcagg aggtcctgct ggcctgcagc aactcagttg ccttgggctg 360

ggactgcatt cttgtgatgt ctggatgggt ttggggctgg aggtcaggta ctctgggatt 420

agctgaaggg ggcacagtgt tctttgtcct ncccctccgg ttaactgtgc tccatattt 479

<210> 2955
<211> 529
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (104)..(104)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcaggtaaga gcttgaagnt caactccatg agttcgattc ctgnaatctc acatatggaa 120

ggagggaact gcaaaactac aagatcatct ttaatccttt aatctttact tatgcacccc 180

accactacac acacttacaa aagaatttta aagaagggca cagaaataat gtgaactaat 240

tttactatac actctctata tacacatgct atgtagaata gtatgcataa actaaggagc 300

acaacatttt tatgtagaat aatcatttat aaatataaca aaaataatgt tttgttgaac 360

taagaagaaa gccaagtgcc tactccttga ctgcagatgc aatttaccca gctgcctcct 420

gcccagacca acacaccttc tcaaccacct tagactntcc tctcaaaccc tgacccaaaa 480

gaaaccttc cctttctaaa ctgttgtttc aggtattttg tggcagcaa 529

<210> 2956
<211> 593
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tggaatgaat ctcaagntgg gtcagttant tggtanggct attccaaaaa taccttattt 120

tgctttcacc ttttctgata tgatttaata agaattgnct ggtgaggaga tatgcattct 180

gaggatttaa agtaggntct gnatgatttt tctatanaaa ctgagatttc tgtttctttn 240

aagattctta taagaaanta ttngatcttt tcttngtaac cgcaaatcac tgcctgccag 300

ntaagagaaa nctggctgag aaaactgtct ngcttactta cactttgttn atctatancn 360

agttgcttag ttacaaatgt atgtaggttc ttaggaataa ttttttttaa cctgtgctac 420

cnnaacntta tttcttgtaa aggtgttggg gaacacactg tttcttcata ntcatttcct 480

ggaagaaaac tagatcataa tcacactgta attttatact gcttgaaagg ttttgctggg 540

atatatatgc catacaataa ggaataaagt tgttggaaca ttgttccttc cat 593

<210> 2957
<211> 420
<212> DNA
<213> Mus musculus

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<222> (316)..(316)
<223> n is a, c, g, or t

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ctcaaaaatg tgattagaag actactaagc ctatacttgg agatataatc tgctgactta 120

ctgcatttta gctgcctgct tattcctgga gatgaaaatg aaattttgtt ggttgatatt 180

tttgggtacc atcaagtcgt gttagtatgg tttgaacact gaagtgatct ttaactagac 240

tgttggtttc tatgatggtt ggatggaagt aaataaatgt atgaatgttg atggatccat 300

gtatgtaaat tagagntcct cctctagatt ctgtgtgctt ttgttataaa tatagaactg 360

acagggacaa taatttatga ttattaataa ctaacagtta ttgggcattt actgtatacc 420

<210> 2958
<211> 242
<212> DNA
<213> Mus musculus

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<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<400> 2958
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tgcaaaggaa agaatccact tgcatcctgg gtcctttaac cttttaaccg atcctcacat 120

tggatggcta ttaatcactt tttaaaaaat tgtctccaag gtcccttgag gcaacgtata 180

tagctgtttg caaccattgc acaccaaagc cccacgggga aaggaacttg gccagcttaa 240

tc 242

<210> 2959
<211> 537
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caaaagacca tattattaat aggatcaagg tgggccctct ggtgttcaca gaggaggaaa 120

cagtgtcttt catatcacat actgcttcgg aaccctaagg aagaaactga tgcgtgcgcc 180

attgctctga tacttaagtg ctaaccaaga aactgtcaaa gcaaatacca aaagcatttn 240

gcaccctcac gccccacaca tgcttccaaa cttgtttgat tatgaggttg ttgaaagaaa 300

atgtttttg aattttaaca ttttccacta tcatgaaatg cttcttttat atgttaggtc 360

atattcatga ttttcttatt tcttcaatta tgttctaatg aattgtgtgc atnccaactt 420

acccaaggaa aaagatgcag tttgctctgg actgttaatc tgttagagag gttttggctc 480

ctttgcaatc atggtgcaat atagcatgat atccatttgt tttcagtcca cagtttt 537

<210> 2960
<211> 503
<212> DNA
<213> Mus musculus

<220>
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<222> (429)..(429)
<223> n is a, c, g, or t

<400> 2960
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tttgtgcttc ctgaagctcc cctttgctag gtacattacc ttagtgcttc agacgtcagc 120

ctgaggcctt gctacctcca tttgctgccc agggaagagt ttgtgctgga gctgggtgga 180

gctctggccc tcctcacgtg atggtctgag tctgcatttt aagggacatg atcccagaaa 240

tgtacacact tatctagttt taaaggagaa ctgtggatct ctcaggccag gattttgtga 300

ctgattttta attacttggt taatacctag agcccattat aaaaaaacaa gattaatgag 360

aactggcaag atttgatgtt tttggcctaa ttccaaagca tggatgcttt ggaaggtagg 420

aagaaaccnt gttcttatga tttgtagcta ccttctgcgc ctgacttggt gccgtgtgag 480

agttaagccc ttagtctgct ctt 503

<210> 2961
<211> 484
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (442)..(442)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttagactctt gttgactcaa gggggcaggg gtagaaataa aacaggtcta cagttttctt 120

gacgaaaata cattatatac tttgccattc ctggctttta aaagtgggtt tcaaagtacc 180

cagcataaat gcagcagagg tggctgaact tgacttcttc cataagtttt aaaaaaatct 240

caaaaatcct tttagtagaa ttcagtgctg ttgtcactgc aataagtggg ttttagacaa 300

taaatgtgaa aaaatcaggt gttcataaaa tactaaggat aatgcattag aagctatttt 360

actacatagg taaagaaaag attaactgta acaacgatca caactgcatg ttggattaga 420

ttntcttata ttccagaacn anatgtactg tatactttnc ctcaatttgt tgtacactgt 480

aatg 484

<210> 2962
<211> 359
<212> DNA
<213> Mus musculus

<220>
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<222> (312)..(312)
<223> n is a, c, g, or t

<400> 2962
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aaagataaca atacataaac aatgcatgtt cattgttggg aatttaaaag tgtggaaaaa 120

cacataggtc agctgaaacc ccttgccacc acccttttgac aactgtgtgc tgccgtaagc 180

gtgtcagcat ggccaccctg ccctgtatta ggaagcatgg ctcctctctg ccctctcttc 240

cctctctcct gttgggtaaa tacaaggttg taaggcactt tgtcaggctg ggctcagagg 300

gagccactaa gnccgccgct gcagacaaga atgaaaacag ttttcagtgg ctccttaag 359

<210> 2963
<211> 562
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tggccctggg aggtctcaag gggctggaat atgctgttgg cctggctctc tgcttggccc 120

gctgggaaga gaaaaggggg agggatgatc gtaaatgaaa gaaaaaaaag tctctgaaga 180

gtttgcaaat taagacagga aacaggtgag tggtttgaat tgggtgcaga gtgggccggt 240

ccagaatgat gctgactgaa gaggtattct ttgataagat ctgaagaaaa gaagagggaa 300

agggtttctg gagagtgttc ctcatcccag aaccagcgat ttgagaggcg ctggcgaggg 360

agaactcttt cttgcctggc ccgtggactg gctgaanccg tgtggcatgg aggaaagtnt 420

ctgtcctatc tgtgtttctc tttgcatccc ttcctgaaac ctcattgttc attgtttgat 480

tcgcttttgt aaattccacc taacattgaa atatttttaa tttctccttt taccttaaat 540

cctcttgcta attttatctg tc 562

<210> 2964
<211> 392
<212> DNA
<213> Mus musculus

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<222> (226)..(227)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (335)..(335)
<223> n is a, c, g, or t

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<222> (347)..(347)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aggccccaag gccatccagc tgctaggata tacacatgac ctgatagact ttgggatgct 120

gggtgggagt gtgggtgccc acccagtgcc ccctttgcac tccactcaaa tcacatacct 180

ccccccacgt cttgagagcg ccctgcagaa ctagctcccc cccccnnaag gcagggaggc 240

ggaggggaa gtacccactc ctgccccctg gttctttatc ttgggatggt ggacctccca 300

ctcagttccc tttgtcagag ctggactntc cccgnccaat cccaggncaa gcagggccca 360

ttcancctgt atcctgaacc aacccatcag ga 392

<210> 2965
<211> 468
<212> DNA
<213> Mus musculus

<400> 2965
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aaacaaattt acatttttga cagtttcccc tagtcccatc ctcatttgat ataaggccag 120

taggtagagt tctttttatc cattcttgta ttataccaaa gaatgaattt attttcatta 180

aaaagtataa ataaatgaag ttaagtatag ccataatgaa tgagtagact taccatttta 240

cctataagat ggaaaattca tccttgcaac taattcacca ggagccttga attattttgt 300

ttactccaaa agccttgtca aggaagtatc atttttgttc tgacttattt agccacattt 360

acatttacaa agtcctaaaa cccattctcc ttcaaatgtt aatataactg gtttgataca 420

atctgtcagt tcactgtttt ctgggtctct gtaagcaagc ttgcaagt 468

<210> 2966
<211> 416
<212> DNA
<213> Mus musculus

<400> 2966
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tgttgaggct gacctccctt tagtttagtt acagctcctc tgcttctcct gccttccctt 120

ctcaaaccct tagctgagtt ttcttctgtg agactttctc tgtggatgta cacagttccc 180

tacatcacct tggtagtaac cccttggcgt ttccatggct gcagtgttcg ccccatctgt 240

ggcttgtatt ttcactggat tttgtcatat aaatttgtaa tttcttcatt tcaatggtat 300

gtaactacct tcctggtggg tttagtttct gcaatggttt tggctgtggt gaagtcacat 360

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<210> 2967
<211> 557
<212> DNA
<213> Mus musculus

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<222> (63)..(63)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttngaaatac cagcagaaag ggctcccaca acacttgatg tcaccatcac tcttgggaaa 120

ttaagagagt ggtcttcccg gcctaggtgt agtaccgagg taaacatccc tgcttttctt 180

ttctcttctc accacctttt cttggtgtgg cttttggcaa gatttcagct caaagcctca 240

ctaatggatt gatttgttgt tgttgttgtt cctgtgtctg tgtgtgtgtg cgcgcgtgcg 300

tgcgtgtgtt gggccaattt tagatacctg agtgcacttt ttttttttt tnnagttagt 360

cctagctttt aaagaaagaa anccaagaga tctagttggt gtaaatgtgg agacagggat 420

tctgttcgct gtcctntntc ccctccccca ccccgcagac ccccgacccc actggagtac 480

actgcacaaa ttaaatgcta gggagtttga ataaaagcag tttttctaac ttgttgctca 540

tctgttgtaa ctcaata 557

<210> 2968
<211> 420
<212> DNA
<213> Mus musculus

<400> 2968
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ttactatgta agttgcagcg gtatgaacgg gtcctctggt gccctcagcc tgcctcatta 120

gcaaaggctg gagctgggtc ttgccgtttt aggatttgac cctcactggg ttggggtatt 180

acatatattc tgtaagccag gctaaaagtt tagtttacag ataaggcctc atctggttgt 240

ggtgattgga gagcccatgt ccacctccag gaccactcca tgagtttgaa gtacctggaa 300

accaaatcaa gatggaagac agtgggatgg tcaaggatga ggagtacagc ttcacaagtg 360

tgacagagct agcctgggcc agcctttggt gactctagtc tgggccaacc ttttgtaaat 420

<210> 2969
<211> 509
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (269)..(271)
<223> n is a, c, g, or t

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<222> (277)..(277)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (344)..(344)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtctctaggc ttccatctgg tttcaggttc ccttcctaga gctcagaagc cctggtgacc 120

ccctcatgta tgtgaagaaa tagtaggaaa atgaccaggg tcttgaagct ctggaaagca 180

ctccagccct gaggttcctc aaaactcact ggcctgtgtc tctggtcccc cagagttcgc 240

tggatgaagg tcaaggtgag agccagggnn ntgctancca atcctggata gacccttgnt 300

cctntgctnc tgangtntnt nctntctcat ggantaagag nccntctncc nntcagtgtn 360

tgtggggttc aggatggaga tntgagagaa ggggantcac agaaaaaggc gctcacagaa 420

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tcaggggacc aacctgatct agttgtttg 509

<210> 2970
<211> 394
<212> DNA
<213> Mus musculus

<400> 2970
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cccagaatgc atgaagagga ttcaagttca ggaggtgatt ctcagccgat gggtttcttc 120

ccgagagaga agtgaccaag atgagctttg accttccaat cccagagtcc acagttcacc 180

aacagctctg actgtgtgcc atcggcctgc cccgaaggag caccggcaca tttggggatg 240

cacaggaccc cgtggtctgt tgctgtaatg gaaaaatcta ctctgtagct cagcttaccc 300

aaggacttca accagttacc cacgtgactg gaaacccatt gacggtttgg aaaccttgaa 360

atactgagtg acgggtgcat tctcagtgaa ctca 394

<210> 2971
<211> 385
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

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<222> (227)..(227)
<223> n is a, c, g, or t

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<222> (241)..(241)
<223> n is a, c, g, or t

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<222> (245)..(245)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (309)..(309)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaagctgctg cccgggggct ctttctgtta ctgcgacact gggaccagaa tctgcagcta 120

cacttgctgt gttacagccc ttcgaatgtg taaggctgct tgcagctctg gctagcgacc 180

cccaacacag tcactgccac ccagggccag tctcttggtg ctggganaga ataagttggt 240

ntctnccgtc ctccattgct tcacanacac acacacacac acccctccca acattcttgt 300

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atgtgctctg agctctctat aggat 385

<210> 2972
<211> 529
<212> DNA
<213> Mus musculus

<400> 2972
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cccactgagg catcttgttg gcccctgtat cccctccccc acccataaac agtatcataa 120

ctgagaacta tcatgaactc atgacccttc tgtcaccagt tctccaagtg ttggtattat 180

aagtgtggac tgtgcttgtt gttgtttttt gttctgtttt tcaagacaca gggtttcttg 240

atgtagttct ggctatccct gtaacttact acagtaagtt agatcaagct ggccttgaac 300

acagagatct cccccatgag tgcttagatt aaaggcatgt gccacctctg gcctatcttc 360

atgctcagtt actgtggtgc taaacattat gccagggttt taagcacatt tggacaacca 420

atttaccaac tgagctacac cccccaaccc tatgtttatg ttttgtgatg aaaacattaa 480

atttttttaa acattttaca gatctatagt gcattgttca tctgtggca 529

<210> 2973
<211> 368
<212> DNA
<213> Mus musculus

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<222> (275)..(275)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (332)..(333)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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tcacatacaa gggtgctagg ggctcagcca tgtgatcatt ctccctcccg tgaaccccag 120

agatggtcca gcatccctcc ctccccatcc tatgctggct gggatttggc tcgggcctag 180

ccctggaaaa ccctagctag ccctggaaag gggcacctga aaccttccaa ggtttaccta 240

tttctcactg ccttgggttt gtggggtggg gggangtgct aaagaaatgg gtatctagtg 300

tctgggcagg gtaagtgaac ctgntcaggg anngtgggng gnctacagcc cctaagcttt 360

tcttctaa 368

<210> 2974
<211> 216
<212> DNA
<213> Mus musculus

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<222> (52)..(52)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (68)..(69)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (81)..(81)
<223> n is a, c, g, or t

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<222> (84)..(84)
<223> n is a, c, g, or t

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acctatgnna cnnnnnnnnc ntgnttccag acagctctgg ttggaaacag ttggccatgt 120

gccttgtcct ctggtccctc ccttggagac gcagggttgt ctccttgctc tgtggccggg 180

tgcttttcac tctttgagac gcaaaagctg gctttt 216

<210> 2975
<211> 528
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (341)..(342)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggtggagtcg gtactattgt gtcctgggat caaaggtgca acatttacct ccaacaagaa 120

gaaagacttt gtggtctgaa gcacatttca gatgatggct ctggtggtca tgttaggagg 180

gatcctgagg tccctgctct tcaccatgca gagacttcgg agccccacag catcgcacat 240

ctgtacagtc tggggattgt gctctaagag cgaatggctt ccttnggcat gtttttagtg 300

cttctcaact ccagggaatc ctttatgaat tttgaacatt nnttcccaaa tttgctnaac 360

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cggaggaacg agcccgagnc ccctgacntt ctgagcatgc nccctnccaa tgagctgcat 480

tggcttttta tttagaggct ggatctcact aagttaccca ggatggct 528

<210> 2976
<211> 398
<212> DNA
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<222> (107)..(107)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaaagcaagc tatgttcacg gcagacagaa ttacgttcag gaaacantgg ttatcctcag 120

attttcatcg atcaaggaaa aggcatcgct ctctgtagcg gaagtgtctg gtcaccatgt 180

tactgaagaa cagacaccgt ccatactttg tgcatcatag agtgttcctc catacttgat 240

tccataaata ctgacatgct agcaaggctt gtctgagtgg tgggcaaaac aactcaaacc 300

tgcctctgca gaggtgcaca ggtatttatt ccctgcaagg gntccatttc ccaagtgtga 360

ccacttcaat tgtaaaccga ggcctgatgt gaactatt 398

<210> 2977
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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cgggattggg gtagggagag tacctggagc tgtgctggcc tccctctggt ttgtcgtcca 120

gaatctgccc cgggagcctt ggctcaccca tgcccagcca gggttctgtg tgactggagt 180

ggaatctgtg gggagcagag tggctggctg gctctgggca gggcagcaat ttctgaatgc 240

cctgcttccc cgtggtacag agtatgcttt taaaagtgct ggttccttca aatattttna 300

tgcagagaag gagagaaaat ttatngtgnc aattattccc tcacantntg gtgagcaanc 360

aattagaagg aaggggggctt agcggagcca cggcgtgagg tagagcagcn caacctcact 420

tcccaggagc acgnccccca ntcccggcaa cgctggctcc tgcgcaggaa aattaatctn 480

ccggcattta ancctagncc cctctggtgg atataatcgc tca 523

<210> 2978
<211> 362
<212> DNA
<213> Mus musculus

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<222> (139)..(139)
<223> n is a, c, g, or t

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<222> (149)..(149)
<223> n is a, c, g, or t

<220>
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<222> (151)..(151)
<223> n is a, c, g, or t

<220>
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<222> (161)..(161)
<223> n is a, c, g, or t

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<222> (166)..(166)
<223> n is a, c, g, or t

<220>
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<222> (175)..(175)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 2978
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gtagatcata gaaacataat gttaaaggtc acatcacctc tggcctctag aatatcaaac 120

aattttcttc actgtgatnc aaagactcna nacacatgta ncaaantctc acttncatac 180

aggactcaaa atatccctgc agcacatatt ccnanccatt tcctnatatn caaacaggtt 240

tttaaaaaca ggaagacatt ggcactattc ctattttctg cagatgctaa tagcatttta 300

ttcctgtgca ncagttccaa tttaaatgtg tcactatagc atgttcctat agttatttgt 360

at 362

<210> 2979
<211> 434
<212> DNA
<213> Mus musculus

<400> 2979
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cattcttttc atctttagca caaggaaggt atttaagtga gccagagaca aacagagcca 120

ttttagtctt catagttatc tgctaagaga gataatgagc tgactgtcta ttttaaactc 180

gaaggtaaaa aaatgtatat tatatttttt cactataggt acatgtaaca gtaaaacgtg 240

taacagcaaa gtatatattt gatgttttct gtctttcatg atattgtgct aacaagttgt 300

gctaatattt aactcagcca gagtttcact catttgctaa gcattgggaa cattctgtgt 360

atttacctta aacataaata aattcctgag agtgtcctat atttggattg tgatttgtag 420

actcatgcta actt 434

<210> 2980
<211> 477
<212> DNA
<213> Mus musculus

<400> 2980
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tgctactgcc gccgctgctg ctgctgctgc tactgtaaat tgcaactggc attcatcagt 120

gaatgtgcat tggaccctct tccagtccct tctttcccta cggggacacc tacagtatga 180

gcttctgtgt ctgcactgaa tcctgcctta gagatatgcc tttgacgaaa ctttaaatat 240

ttttcatgta tttttaccta tagaatactc atgactccag taagaagcac tttgatttat 300

ggttatgaac tgtacaggta acacctcact gtgctatttg cctagcgtgt tgatataatc 360

ctttatgata tcccatctgt gcagagacaa atgtcatttg tcggtttgtc aatgctgact 420

agattggtga cgtatttgtg tatcactgaa gagcgcacct cttctgcagt gttaaga 477

<210> 2981
<211> 391
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (113)..(113)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (276)..(276)
<223> n is a, c, g, or t

<220>
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<222> (285)..(285)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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nttnttttgn gtttttnttt gtttgtttgt tnggggggtt gttgttgctt ttnttttttg 120

ttttgttttg tntttcggtt ctaggctcct cctgactttt gtcatccagt gagctgggag 180

aactgagggc tcctctggag gttcccctcg caagaggcaa caggtgaagc tccccccccа 240

ccggaggcag ggaaccaggc acccaaacac acgatncaaa aaacncaaac ccacaggcga 300

cacaccccac acacgcaatt ttaccttcct cttgtagcga agatgaaact cctntcggac 360

acccgaagtg cattgcgtgt ttctgttgag t 391

<210> 2982
<211> 528
<212> DNA
<213> Mus musculus

<400> 2982
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tcaacacccg tggtattaaa tgcccaccac gaatgattta ctagagaatt gagaatcaac 120

atgattaatc aaagcagtgt tctgggcttt tgagtagccc agggggtcag tgtgggagta 180

tttcccctcc tcccttgtcc tgggagtcca gagcccgcca tacagtgtct atctgtgctg 240

agataaaaat gactaccttc ctccctgagg gatgctctca ttgcacagct gaaaccaagt 300

gccactcctt gcccctaccc ccagattgcc ctggagtgcc ctgctccctc tgttacctct 360

tttccagagc ctgtgctcac ttcctaagga caggaaagta ctcccactcc ataccataga 420

aagaggaaat tttcccttcc tttctttgta gacacaaaga aaaatgtcaa ataaaaagtg 480

catttcttca tctatattcc ccagccaaga actcccttca caaagtag 528

<210> 2983
<211> 492
<212> DNA
<213> Mus musculus

<400> 2983
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ctgcccaatg tatagccgtg tttcatcttg taaacaataa cttgccattg ctaccctgaa 120

ggtggtatgg ctgtaactgg ctggtgtgtt gatggatcaa actatggaag ttttagtggt 180

gcccaagcat gctcctgcac tgatgcattt ggaagagctg tagaaataat gcaaagcttt 240

agttctaaga atctactcat gctttaaagt atttatctct gtagaaccac aatcatggaa 300

agctcaacag tgctgctaat catgtttgta aaatatacct ttaatgtagt gcaatatttt 360

tctattggga gagacagtac aggcatcaca gttgggagct ccaataccct caagcatagt 420

aagggataag gcttcaattt aagagattgt gttatattac attactcatg taatcttgct 480

gccatgctat gt 492

<210> 2984
<211> 475
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<400> 2984
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aatcagtctt ggtcagttca gataatttgt gcatctgata aatgctgtaa tggagattat 120

attttgtctt ctattcattg atttacacta cgatgcatgt ggtttgctaa acttaagaaa 180

taataatcaa tttttaccaa ttttaaggtt agagataaaa ttgtgcatat atgctacttg 240

acactctgag atgtatcttg tggcctgatt gtcaatgtca tatacacttc acctnccttc 300

tttccctcta ggaagtagtt gttgaattgc atctcttctt tcttgaaacc tggattaaat 360

cacttgattc atcctaaact attgtgaagc cacagtacct cattttaact gtgaaaaaaa 420

aaagtgttaa tagatttgac catatgatgt gtttccttgt gtttgacttg agcca 475

<210> 2985
<211> 451
<212> DNA
<213> Mus musculus

<400> 2985
tactgggaat tgtcccatgc ttccacttag cgtttgtgat actgtttatg gaattactaa 60

tatcttagac ttctaaagga cttgtggaag tctgtcattc taaatgacag tttgtcttca 120

gtgatttttt ttttactgca gtttgatcag ctcactttaa aacacaaaac agcaacttga 180

agatggaaaa tacaaatggt ttaaattttg ttgttgccat agaaaatagg gacagtctta 240

gatttctcag tgaagcaccc tgtgtatcat tacatgtcca gtgattattt tgttaaaggc 300

aaaggggtca tgtgatgtac taaatgtaat ttgctgtttc tcaatgttta aatcatgcca 360

aacaaatcag cccgtgccat ctagcctgtg gtgttaatct tctactgagg acttgggttg 420

gggttaaggg cttgtactat gcacttttta t 451

<210> 2986
<211> 562
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (498)..(498)
<223> n is a, c, g, or t

<400> 2986
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tccgggtcgc atgatctaac agtcaactcc tcactttgga tgtcctttct gatccagaag 120

acatcagagg ccatacttag tgaattgaac taggtatcat gtaagaagtg gcggagaaag 180

cctagagtct cagtgaatgt gtattgttga catcagataa agacatgttg tcacagacct 240

cagaatctca gacctatgga gaaaatggca atgtctcctc taaggggaga ggctcagagg 300

aaaatggcaa agccttcctc tggaccaaat gtagatattg agagtgtgca caggaaatnt 360

ccactgtagc tttctctccc tggatattta tagntctgaa gactgttccc ctataaagac 420

cattcctact aagattaggt aaacctgtct acttgatcca gctgtatacc atacaccctg 480

tctcctttgt ttatctgnac ctactaaccc cacttccttg ttcagccata tgcactcacc 540

ctgcctctct gtttatataa ta 562

<210> 2987
<211> 373
<212> DNA
<213> Mus musculus

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<222> (272)..(272)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (297)..(297)
<223> n is a, c, g, or t

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<222> (300)..(300)
<223> n is a, c, g, or t

<220>
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<222> (302)..(303)

<223> n is a, c, g, or t

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<222> (308)..(308)
<223> n is a, c, g, or t

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<222> (312)..(315)
<223> n is a, c, g, or t

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<222> (325)..(325)
<223> n is a, c, g, or t

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<222> (330)..(330)
<223> n is a, c, g, or t

<220>
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<222> (336)..(336)
<223> n is a, c, g, or t

<400> 2987
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agaagatagc agggccttgg ataaccagaa agtctatgag caacagatgc cgtcctcaag 120

atgacttgac tctgaggtgg gagatatgta tgagctaggc ccacagctgc cctgagccct 180

gtgatctaag gagcaacatg ccagcagaag tctcatggaa cccagaagtg tgatgaagca 240

acatggaccc aaagtgcccg ggggcctctc anagcctcat tccttcntct nccnttngcn 300

cnnggttncc cnnnngttct ggtgncccan caactncagg gatccataaa tccagaggcc 360

aggattcagg ctc 373

<210> 2988
<211> 308
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<400> 2988
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tctttgttta ctcggtcaca catgactgtc ccacttgcaa agagatggag atgtctgcgg 120

tccacgcagt gctaggacga acatgtgtct tccagttctc ctcctttcaa tgtatgttat 180

caaaataggg gaaaaaaatc atgtgtttta gaaaagncaa aagataaact ttaaatgtat 240

taaagatatt tatgagatcc ttgctaatgg tgtctatgga gattttgtta tgttctctca 300

cttctcag 308

<210> 2989
<211> 358
<212> DNA
<213> Mus musculus

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<222> (92)..(92)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (249)..(250)
<223> n is a, c, g, or t

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<222> (275)..(275)
<223> n is a, c, g, or t

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<222> (279)..(279)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

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ggaagatctg gggctgactc tgacatctga tnacgccttg atggtcctgg aagtgtgcca 120

ggctgtgtct cgcagggctg cccaactctg tggggcaggt gtggctgccg tggtggagaa 180

gattcgggag aaccggggcc tgcaggagct gacagtgtct gtgggagtag atgggncact 240

ntacaagcnn acatcctcac ttctccaagc tggtntcgnc aacagtccgg aagctagccc 300

ctcagtgcac cntcaccttt ttgcagtcgg aggatgggtc tggcaaaggc gcagcttt 358

<210> 2990
<211> 546
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
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<222> (308)..(308)
<223> n is a, c, g, or t

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<222> (335)..(335)
<223> n is a, c, g, or t

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<222> (338)..(339)
<223> n is a, c, g, or t

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<222> (385)..(385)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caactgcaga cttcttcagc attctgtccc ctctagaggg tggagaaagg ggaccaaccc 120

agtcagcagg ttcccacagc acagggtgca caccactctg acttgactct ttgtcagtga 180

taactgcaat ccccagccag gcttctgggg ctttaattag cctttatgta gtcagctgtc 240

tgccttgatt attagaggtg ctggttctct tattagcccc ntactttatg ggccactgag 300

gatttttntt gtaaggncat tgaatcttca aatgnttnng agacagaacc tgaaagcaga 360

gcccaaacat ggctccacca ttttntagct gattaggatt aatgcctggg gaacataagc 420

tcgntccgct ccttccgttg taaagctgct aataaaagca gctaccgatt acggttatgc 480

gtattaaatg agataatgta tgtaaagtga ttagntctgt ctggcacgta ataaacactc 540

agtccc 546

<210> 2991
<211> 489
<212> DNA
<213> Mus musculus

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<220>
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<223> n is a, c, g, or t

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<222> (199)..(199)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (332)..(332)
<223> n is a, c, g, or t

<220>
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<222> (335)..(335)
<223> n is a, c, g, or t

<220>
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<222> (432)..(432)
<223> n is a, c, g, or t

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ctgtgtctgt cctcgcttgt tggaaggctt ttgcttctgg ctatacactg ctagcattaa 120

cccagcccct gctgaatacc attgaaattg acctctcagc tcagtattgc ccctgctggt 180

catttgctcc atcccncant ggaactcttc aaccctgttg cccnctccta atgtgtgtgt 240

gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt nnnnnnnnnn nnnnnnnntt tccgtgngcn 300

cttgtactaa tggaacttct actttggagc cnttntgagg gattttgttt ttctgttgtg 360

ggtagttggt tgagtgtgga ggcatgtatt agcttcatat gctatataga atctcttatt 420

tttgaacaaa tnttatgatc ataccctctc tggctttcat ttatgtccgt catgtttgct 480

ttttgtgat 489

<210> 2992
<211> 389
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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tgaaccttgc tgaaactcag ttccacnctg gaggaagcag ttctgccttt gagaattgcc 120

cgagtctata gacttgtcct caaaggatgg atgccctagt gtcttctcaa agacaccaga 180

ggctaatgct tacccтttgc cccagtggcc accagaaatg gtcttgaagc ataaaaacca 240

ggccacagca cattgctgcc ctcttctggg cactcccaga agtgaggagg gggaccacac 300

gcagcacant gctcagacag gaccccactc aaggctatgt cagtcactgt ccatttgttg 360

gactgcttcc gactcactag gaggctgat 389

<210> 2993
<211> 535
<212> DNA
<213> Mus musculus

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<222> (81)..(81)
<223> n is a, c, g, or t

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<222> (220)..(220)
<223> n is a, c, g, or t

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<222> (239)..(239)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

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agaatggctg tgcagctcag ngcccacgtc cttctgtctt ctcctcctgg tggggctgct 120

gccatctgcc tgcattagac acagtccctt ccatccatct gctttctgcg ggtatcatgt 180

aattcacaag gttatttcct tccccattta gattatgtgn cccatttttg gtttagagna 240

tgtatttact taattgagat ttgtatactg aagtgtggtt agcccttgct ccagcccaaa 300

ttcaagcaat gacctttgga ttcttttgct aattctgact tccagggccc tgagttttct 360

ggaaatcagg gtagtaaaaa aatgtcttta ataagcactc cantcttttt ttgtttgcat 420

ttagaatgtg cacatncaaa ggattttgta ccaaacttgg gatcatttac cttcttcttc 480

tttaatattg gtgttaaaca acattcttaa agcaacgcac tttgaaacat agcaa 535

<210> 2994
<211> 541
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
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<222> (312)..(312)
<223> n is a, c, g, or t

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<222> (343)..(343)
<223> n is a, c, g, or t

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<222> (347)..(347)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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cattttaaa tattgggtat cattaaaatg aaattttata aagcaatggt tagttttatg 120

aattactgtt tttgtcctgt ctctactttt tttggtgtct actttttca agtagccttt 180

agctcttatt atatttttga gttagcatat tagggaatgg atttcatggt gatattttca 240

tatgcatata tcatcatact tggttctnat ttactcccca cnaccttggc taccatccna 300

ttccngttgg tnccttcctt ctaaattctc tcttttgcac tcntganaca aatgtttatt 360

acatctngta tttgattacc tcccttatac ttngtntaca tccngtttac atttttctt 420

cccctctcta cttttatgtt ttgcatatat attgtgtatt ataaatattt gattgaaaaa 480

tgtgatattt ntctggctta ttttgcttaa cacactgatc ttcagttcca aaaaacatta 540

t 541

<210> 2995
<211> 564
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (280)..(280)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (354)..(354)
<223> n is a, c, g, or t

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<222> (356)..(356)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgtgactgg tgattacagg aacagcattt cccagagaaa cttttggact attttctatt 120

ttcttcataa tcctagtatt tggtgttttn actacaagca caaacatctg gaagtatatt 180

gattcctgtg aatatttaaa ctctagactt ttagatactt acataatgcc ccacccaata 240

aacatgcttc aaattttcct ctcccaaata attnagagcn aaaactgatt tgtacataat 300

tntactgctt ctgtttttt acacttctgt ccctgtttat ggtgatgcnc agancntnnt 360

tagactacna aagcagatca gcactagaag atgtgagcat atttaatttn taatncaaac 420

ctnccatgta ggagtagnaa atgtatgata aaactcaagt attacatgca gatcatttta 480

cttttntact ttgctttaat gcaatattgt ttatttactc catgtgttgt attcagagaa 540

actcctgtat tgtttcctac tttg 564

<210> 2996
<211> 231
<212> DNA
<213> Mus musculus

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<222> (123)..(123)
<223> n is a, c, g, or t

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<222> (126)..(126)
<223> n is a, c, g, or t

<400> 2996
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tggctgagga tcaggtagcg ctggagcttg gcaccaaagt ttctcatgat tgcatatgga 120

ggnccncttg tgatccaccc tcggaagact cgccagaaag tagcagttcc tgctacacac 180

tacagtgcct tccaacgacg ttctgtgtga actgcatgca gtttcgtgta a 231

<210> 2997
<211> 245
<212> DNA
<213> Mus musculus

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<222> (131)..(131)
<223> n is a, c, g, or t

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<222> (135)..(135)
<223> n is a, c, g, or t

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<222> (138)..(138)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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attgaccaga aggacctaat ccataaggtc aagactgaac tgtgagggct cccaggagag 120

cccagggact ntgcnccnca ctgaagataa ctgagatgna gcgcactcca gccgcgcagg 180

actgacgagg ccacacccat gggctctgtg gctttctctg ctctcatgga ttgaacaggg 240

tcccc 245

<210> 2998
<211> 543
<212> DNA
<213> Mus musculus

<220>
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<222> (71)..(71)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (138)..(138)
<223> n is a, c, g, or t

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<222> (155)..(155)
<223> n is a, c, g, or t

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<222> (448)..(448)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcaccatcca ntttncantg ctaactttac tccacccagc agntgagcag gagccaccac 120

tncaaccccc tccagcantt ttaaatgttc acccntgcag actaggaaac tgaggctgtg 180

gtaccgcaca aaggccgacc tttccttctt ggaaatcaag gagggcagat tctccctgaa 240

accatcaatt tcaacccatt tctgaggacc catgtgtgct caagggtcaa gaccagccca 300

aatgcaggag cctccaggtc tcagatgctg ctggaaccag caagtaccct tgcccacaca 360

ctttcctgcc tgccccatct atctcggcta attccacccc tgagtctgga agctaagggg 420

ctgtgggctc cagtcacacc ttttgttnta aagtgtgcag ccaaacactt atccagactc 480

ttctctgggc taggattgtt nntgaggtcc ccagcagcag cctgcagccc aagttcaata 540

aac 543

<210> 2999
<211> 507
<212> DNA
<213> Mus musculus

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<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
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<222> (454)..(454)
<223> n is a, c, g, or t

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cttgcgtttc tccttgagat tcttgtgttt accagaaagg tatctcgcct gcatttgaac 120

atggttgtat ttgttcagct tccttctgct cctgcaggac ttaagcatag tgtgtctgca 180

gagcttgtag ctgccatgac tttgctgcct agtttggctc ttctggtcct tccctcgaat 240

accgtcctct tcaaacactg ctgccgttag aaatcctgtt tccttgctgt ctacttgtgt 300

aacttttaat tcagattctg atctcttaag ttgaaagtct atttctatga aagttgtttt 360

ccntcatgga aactgcatcc tgacacttgt caataaaatg catgagtacg tcagtcacaa 420

gtttaaatag gccactgtgt tgatggaata tttntcacct ttagagcttt cccagtgaca 480

gcattgctta cgctgtttcc cagtcaa 507

<210> 3000
<211> 306
<212> DNA
<213> Mus musculus

<400> 3000
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tgcaggagca aggggagaac acgtatgtgc cttacatgct gaccctgcag aaccacacct 120

tcacagagaa catcaaacct tttaccacct acctggtgtg ggtccgctgt atatttaaca 180

ggagcctcct gggacctttt gcagatgtgc tggtgtgcag cacgtagcca gcagaccatg 240

gccaggcctc tggagggcac ctctcgcagc tcagctttcc caggtccaca gttctgctag 300

cagctg 306

<210> 3001
<211> 551
<212> DNA
<213> Mus musculus

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<222> (40)..(40)
<223> n is a, c, g, or t

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<222> (397)..(397)
<223> n is a, c, g, or t

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<222> (412)..(412)
<223> n is a, c, g, or t

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<222> (425)..(425)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

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taaaagtcag gttaaaaact caaacccata aatttccagt agctaatgct aggctagtgt 120

tcaaaagcac tctaaaagac atttagtcca tattttggga aagaaactat ttgcatgttt 180

aattcatctt ttaggctgct gttgagtata ctgtaaagtg ctgtgtgata tcaagccagt 240

aaagtactta taaatggcac tttaatattt tcttttgaga aatcataaaa cactgttgta 300

aatttcacta ttgaatattg actggtacat agaatcaaac tctgtaatta aaaagtagcc 360

tgcagctagg atagaacatt tttcttgtta ttagagnaaa aaaaaaagtt tnccatgttc 420

aggcntttt aaaaaaaaag tgtttctgtn ccattgttcg tatctataaa gaaaatacaa 480

tttctgtcag gcatctctga aacctggctt tttttatgtt tggttcgtgt ctgtggcaat 540

ccctataaag t 551

<210> 3002
<211> 556
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (458)..(460)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (526)..(526)
<223> n is a, c, g, or t

<400> 3002
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tcctcaacac aagagaacac gtatgctaaa aatgtttttt caggtacatg gttttcttgt 120

cagagaagtt gggggaacca tacttcacag tgcgaaataa attcatgacc aagctaaatg 180

tcaaatagga gaggagaaaa cgcatacaga gccctaacag agtgtctgtg agcttcatgt 240

tttccaaatg aactcgatca cagacatgtc tgagtgaccc tcctgacatt tcagtgggct 300

cttcattacc accttggaat gacggtttgt aaatcagaag cactgagctc tcgcctgcaa 360

ggctggctta cagtagaagc agtattggaa tgttatgatt taatatgact gacagtctcc 420

cattgacagc agaaggccag caggcatatt gaaangtnnn tccctccttt tctgtaagaa 480

gcaagggctt tgtcatgctg ggctattctt ggctgggcta ccacancctt cagttgtttc 540

tctgctttcc aaatta 556

<210> 3003
<211> 112
<212> DNA
<213> Mus musculus

<400> 3003
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ttgtcataaa gcctcccacc tgtgacctga actctgggcg tttcttgctg gg 112

<210> 3004
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<400> 3004
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ttgaaggtgc ttctaatgaa aacacatggg tattacgtga tctaaatgtc cctcgaattc 120

acttaacttt tcttgtcctt ntttcccttc aaatatgttg tctatatttt ctcccctaat 180

ttggaaacaa tgtgactgaa atttttccca atctcacctt cctaaacacc cacccgctca 240

gcacttcact tccctgcctg taatggttga aaaacatntg gccagttctg gacctggggt 300

tggttccttg atgaagatga tgcctcaaaa cagttctaaa aatgtttaca ttacaaggct 360

aggttgggaa tgtcacatat aaaacctgga tggtttgaaa atgctgccat gaacagttat 420

gacttgccca catgcactac agtaaaccca caatgtatct ttcacctttt ctacttgcac 480

acattgacat atgtactttg tttaaccgca gtgta 515

<210> 3005
<211> 510
<212> DNA
<213> Mus musculus

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<222> (66)..(66)
<223> n is a, c, g, or t

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<222> (126)..(126)
<223> n is a, c, g, or t

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<222> (139)..(139)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (184)..(184)
<223> n is a, c, g, or t

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<222> (263)..(263)
<223> n is a, c, g, or t

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<222> (304)..(304)
<223> n is a, c, g, or t

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<222> (348)..(348)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (419)..(419)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<400> 3005
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cccctntagt gtgaaatgct gggtgcttga ggcacctgcc tctgtggaac ccatactctt 120

tccccntcct gctgcatgnc cgggactccc tgccatgacc tgaggcagac tgaacttnac 180

cccntcagag ggtggggttg cagcaggtgg ggaaatcttg cagcctgggg tgccctcctc 240

caggtgagaa cgagagtctc tcnctcttct ctaattccaa gtttctctcg gcttgagatg 300

tccncagact ttctttccaa ggctggtgaa cactgttccc actcccantc cccagtgcta 360

gccaccattc cccgagcccc nntggctctt ggacttcaat gactgantca gacctgatnt 420

ntcagaggct tctagaaata ggagaaggga tctttttacg ccagtgtgcc ctagagtgtt 480

ttccataggt aataactaag gctcctctct 510

<210> 3006
<211> 472
<212> DNA
<213> Mus musculus

<400> 3006
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ccctgaagaa aaatgagcca caaagccgcc tcagcggtct cggtctgcgc ctagctatgc 120

acataggtgt ttgcagagct cttccatgga cggccctcgg agggggagac cctttctgag 180

gactctgcac tttctgagca gctgcgtgca gatgcctgct gccaccaggc ctttaaatac 240

attgtgttca attccaggtg ggaagatagc atttcaggtt tgcagaaatc aagtcacatg 300

actgtcttcc ttccacactt tgaggataag gaggacagct tttttgtgtg tttcgttttg 360

tttttaaagt aaggaaatac ccccattgct gatgtctata gcaagtgatt cgtttctctg 420

ttgcattttg ttttttaag cagtcccctt ccggtcaagg tcaggactgg tc 472

<210> 3007
<211> 421
<212> DNA
<213> Mus musculus

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<222> (291)..(294)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<400> 3007
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gccctacccc acaactacgt cacaactcct gcatttatgg ctctgcaaac atcacagaga 120

ggggctagga agactgtaag aatgaaacac cagaagttgg ctgtgaaaca gtctttccta 180

gaaatgcctg cataagcaaa atttgaacaa tggcagtatc agtagacttg ttgatgtgga 240

aaggaaaaac aacctcacag gggcacatct gtggataagg caactgatga nnnnctggga 300

atgggagagc taccctcnac ctgggaggag ctctctattt agttatccaa tacaaacagt 360

atcaatgaaa ctgtacataa acaaaaaata gnantggact cggtaggttg tatttgtgca 420

t 421

<210> 3008
<211> 186
<212> DNA
<213> Mus musculus

<400> 3008
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agagccggca gcagtgatct gcatggatta cccttactgg atgtaaaact tgagggaacc 120

acagttgagg aggctaagac tgccaagtgt ctcaaagaca tatgctgtac tctctgaaaa 180

ttcaaa 186

<210> 3009
<211> 529
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(364)
<223> n is a, c, g, or t

<400> 3009
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caaggccttg cttgaccatt taatttataa tgacccttaa cctgtgatgt caccaagctg 120

ctttgactca agtccaggaa tgtgcacggg ggatgcagat ttgtttttag caccgaggac 180

tagaactctt cggggagatg ttcggggtac ccagagacac ttgtactgtg ttgtggttag 240

tgttctattt tatttttttt aagatgctta taactgaaga tatcacactg gtcggtacta 300

gacccctgat gagtacttga tctgagggtn tcgtgggcgt actnccttt ttttttttt 360

ttnnaaacct ccagtattat tatatgcatt gtgtgtgtag tgggggtggg gactccaggg 420

gacctgaaca tccattatgg ctgtgcttgc aatttgtgtt ttgttttgtg ttcctgtggc 480

tatgcacttt gtaaaaacac tgatgccact acaccctgca agtgtgaaa 529

<210> 3010
<211> 419
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<400> 3010
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canttcccca cctttcccct ccagggcatn tcagccctga gaaagccctc acagtagatg 120

atatttcact tccctttcan ccaggggact tcgagccaga aagactggtt tccagaatgc 180

tggctattac ttcggggttg aggtttctgg gtcggcccgg ccctcttttg gctgggaggc 240

agctttggga gcagtgtgct atgaactcca tctgggagat acttgatctt gctggagcag 300

agctttgccc ttgcttcact tttctggagt gttgcaaggc ttgtgattcc atgtagagta 360

gaatattctc ggtagtttga atgtgggttt tgcattgtct gtgttcttgt caccggatt 419

<210> 3011
<211> 451
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (148)..(148)
<223> n is a, c, g, or t

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cccaaggctg cagccatact gtgttacagg cttggggctg gggcaggctt ggactcagcc 120

ctagacacga agggccagcc cacccctncc ctgcctgacc ctagaagggt gggcatgatg 180

cacgtcccct tcactccatg ccacatctgg ggggtctgag ccacccccctc cgttccagtt 240

cagattgaca ccccacacac acactgtccc cagacccgca gcacaagctc tcccagccat 300

gcgctggcct gtcctcccag ggagctgggc gacttccata tgcaactagt agcgaacagc 360

caggctccca tgaaccctct gcactccacg tgccattctc ccatgacctt tttgtaccta 420

atgtatgaaa gatccacact aatatcgctg t   451

<210> 3012
<211> 464
<212> DNA
<213> Mus musculus

<220>
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<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<400> 3012
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catatagtta cactcatcca atagtttgaa gtcatttta ccatgcaata cttagctggg 120

ttctcctgat gtcctccagt gtggctgtgc tttctgctga gcatgctact cagatattgt 180

taggtactgt cctctggaga actgtcatgg taggcttttt ttcttcttct tgtattccct 240

tgctgtaata aagcacaaag caagtaagaa atccatattt gagagtatct actgccttta 300

ttacnaacta catgagtcct agctgaagtt cacttcaatt ttcttaaatc ttgtttattt 360

attgtcctaa ggnaaacatt ccatttttaa nccccacagg ttcaataatg tgttgatttt 420

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<210> 3013
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<223> n is a, c, g, or t

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cagaagcctt agtcatgggt gtgaggtgga aggtttcatt ttgtgtcaga gttgctgaat 120

gttaatctat ttcataaaga gtcacactaa tgatctagct gctgntancg gccaggcttt 180

tccctcttgt cccctccacc tcacatntat cagtttgcca cagaaagatg agagatgcc 239

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cctcctctta tgccacgccc cttgcctagc atctgttccc ctcctccaat tagccttacc 120

caggcctcct gcctctccag aatgtccctt acctcctcat gcctcttagc aaatcccctg 180

tggatctgct cctgagaaat ctatacttcg tctgcaactt atgtcgaagc aggtgtcttg 240

ttcccaggga gttcatgttt cccagttctt tggctccagc tgctccatcc taagatgggg 300

tttaagggtg gggggagggg agacctgggt agcatgggat tagtagaggc ngtctaacgg 360

acaaancccc ttctcacttc tttaaggaca acccccttncc aagtctccca ccaatccaca 420

attccctgtg accccacaga cctgcttaag ttctggggaa ccctcggaaa gttggagcac 480

nagagctgcg aaagttcaga cgctgtagan tcccagtgan tcagttactt cagggcacag 540

aactagcaa 549

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gatccatgca tggagataac ttaatagaaa anttattgtc ccaacattca taaggaaaca 120

ttatttaaaa tganaaaatt attgtcagaa tttaaataat attggaaccc tattatcaga 180

gaattctcat aaagaaactc tagattgata atattctaaa acattttngc acaaaattca 240

acttaaatac ttatttcaaa aataaaacat caaaaattct ttcaccttct attaattatc 300

tgacatcatt aataattgta tagaattcat ttttaaatca ttaaacagta ttctaaagtg 360

aaaggatttt aaccagaata atagtaataa ntatgctaat acaancatgt tgcataatgt 420

ttatagttta gtatgggagg taattagtat ttatgagata tattctcttt gaagactat 479

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attacatcat cttttcttgc ttagcatttt gattctgaaa caactttctg aggagatgta 180

gttttgtgag ttgtagttgt agtaacttct cagggaatgg ctaatgttta tcatctatga 240

ttgatatagt gagactttat gggaggaatg cttctcctga gggcactgag caatgccttg 300

tgacccctct ttcatcaagg ccatcagctc ctgatttatt ttggtgagtc ctttaaggcc 360

ccccccattt tgctgttgag tctggtaatc aacaccactt gttatctact ggctcagctg 420

tagcctgatc aatcctatgc caagtatttg gagaaagcac tgaaaatggt agataagcct 480

ccctgacttt agctgcctta atatctgcag ggtatatgag cttctccaag tagtctgtct 540

caagggtact taagcagcag agacccctga 570

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tgtaagataa tgtggtattt actcaaatta taatttactg ccagtataag aagtagactt 120

acatgtgtgc ttaagactgg taaatattaa acgttattct ttcagtttgg cttggcttaa 180

taaacattat ctaagttaca tcatgaaacc agcacctttt atataactnc taataaaact 240

gggtgactct ttaatatatt tcaacaataa atccaagcaa ttataaaaag atctcattat 300

aataaatcaa tactaaanaa ctatgctgac ttcttataca actctagttt gacttataat 360

ggacatgctg atttttgtgg catttancct attattttaa actagtatta aattccattn 420

tactaattaa cttactaaat cctntattat gtaaaaattt gcatttggga aagagaaaaa 480

ctgagtcaac ttaacaatcc tgatatactc catccagttt gaaaatacat cccctctcat 540

gat 543

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<212> DNA
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gttaccncct cgatgtncct taatgttagt cattaaaatt ctctgagtgg tgtggaaaag 120

taaatcgtac acatcaaaga aggggctctt gggatctagg aggggtggga caaggcttaa 180

acagacacct ttcagtctca ggcttagtct ggaggacatg aagttcttgt ctgtagtttt 240

ataggttaag attattttca ttgttgtggg anagaatagt gttattgttt ttagttttgt 300

ttttcanaaa agaaaaatga ntcaccatat agtttgtggg acttacttgg agagagagat 360

caaaatntcg cttgcacttg acantcggta tggagtaaaa ggctttgaaa cccatggaag 420

tctgggcaca tgcgctcctc tcattgaggg cagtagtgtc catgtgca 468

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ctgcctcctg catcctccca gataacaaaa cacattaaca cattcttact ggataatcca 120

atttgccaaa acatttgggc attgtgccna ccacctgccc acacatagga agtccacttc 180

agtaagtgca aggcgctanc acccatcgag gtagaggaca ttgctttaag ccccagtttg 240

tttgtagggt tgagtatgaa aaagcccatc tcctgtgtcc ccattgctcc ttccccttag 300

cctcgacatt tcaagttgcg gtgtgtgacg gaggtgnctn nccgaacgag aagagatgcc 360

acagtgtatc gtgtctctag ttgtattgta tacctgctta acatctgcga catttctc 418

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gtttaacctc aaggtacact tattcctcca gctctggaac acagaagatc tgtccctaaa 120

acaggtactc catagtcagt gctagtattc agtagggaat gtctgttccc aagtccatga 180

aattgcatct gctgtggtcg cacttggctc ttgtcttagg gttacacata cagaagacaa 240

tgtcactttt tcccaggcag cagacactgt naccttttcc catncagnag ctaatnccat 300

agtantccac tagtgcacaa agctntgtca tttggatgaa agtntatgca ttcactgtcc 360

taggaaacga tgagaagcag anccngggac ttctttatgt tttgaattta tgctttaaag 420

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<210> 3021
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tnttcntcan ttncccgagn cnngattcat tantntggta atntncccat gcttctcatn 120

ttatgnccat ttcaagaagg caagagggat agagattatg tcatntcttt ctaacataag 180

ctaaataata cnaaatcaaa ctatataatt attatgaact acccagacca aggtatttaa 240

tgaatggcat caatgaagta tggaaataat ttttgggtgt ntcttgagtg ttttttttt 300

ctaaatctnc ctgtgttata nccccctatga atgtcatgta caattg 346

<210> 3022
<211> 503
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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atatactctt caagccatta ttatcctggc tataaattta taaaataaat tgaaaaattt 120

atcactctcc tgtattcaag accaaagcac ataatgctaa tgtagggctc agaggggaaa 180

atctagttct cctgcatatt tgagaaaacg tggagtcctt tcaagaaaat gtaataaaca 240

taataatcgt agcctgctga cactaaggaa aaaggcctca ttcgctcttt cttttatgca 300

gcaatttact ggtccctgct gatcttcaaa ttggatcact gtagtaaatt atccacgctg 360

gtactggtgg aagtaagccc taggatccat atttgttttg tgttctgctt aaatcancaa 420

gaatgataaa ttcgatggtg tgaaattgga agtatcaagg gctttctttg gtgactgcac 480

aaagtcatgt ctccacctgg aat 503

<210> 3023
<211> 287

<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (210)..(210)
<223> n is a, c, g, or t

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tacacacact caatcccgaa agcagaggtt tttggtagaa ttaggcttct tngagctttt 120

gccaggtctg gantattcca atttttagca gtttagagtc agtcaaatga agcatttttt 180

naaaggatat cattctgcag tatcctgaan cctgcccttt gtcagacagt gatgagtaaa 240

tgaataggga tgggggatgc tttagaaatg tgcttatcgg gctggtg 287

<210> 3024
<211> 316
<212> DNA
<213> Mus musculus

<400> 3024
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tctttgacag tgtagcactt gctgtggagt ggcctctgag tcacagggac ccctgcagag 120

gcccacgtgg accacagcgg agtccaggct tgcctgctct atcagaaagg cagcaggact 180

gatacctcgc agatgttagg gacacgttga tgcctctctg tcctgtacca gttttgataa 240

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atctccacaa gagctt 316

<210> 3025
<211> 472

<212> DNA
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<223> n is a, c, g, or t

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<222> (238)..(238)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtgagagacc actgtgtact taggatatac actgtttcag gttctaagtn tctaccctgg 120

gctttctaga ctttaaattg ccttccttaa gttttgcttt tttngtttct gatttcagga 180

tttatatggg gcgggggagt gttattctca attatgttat taaacatgaa attctagnta 240

tgatgccctt atgatttttg tcacaattan ngccacaatc tttaatatgt atgtaattta 300

ccctcatata tgatttgagg ctaaatctaa cttttgtaga agtagcctgt cctgacatct 360

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ccatgcacat gcagcactaa ctgaacagaa caggttactt acatacacac at 472

<210> 3026
<211> 565
<212> DNA
<213> Mus musculus

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gtgggtgtgg ttcacactaa aacaaagttt aaaaaacaca acaaaaagat ctgactttca 120

aacaggacgt ttttttcttt aagaggcacg aggctgcctt tgtgctacca gtgttaaaat 180

actcagttgt tttttttga caaagcgtgt actgtgtaag ccttgcaaaa aataataata 240

agagcaacaa caacaacaac gaagaaaaag cctgttctat ggcgttcgna cttttgtaaa 300

aggtttcctt gtnccaaata agtacaaaga tttaatntac tatttaaacc atnaacatac 360

natanttcca gnaattattt tntnatcagt gattttgntc ttnagtntcn atatttatat 420

tnagattaat ttttataaat gaaatatttt gatggtctaa gnaaatgagg acaggaagga 480

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tcaagagaaa cgaccacggc caagc 565

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<211> 392
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<223> n is a, c, g, or t

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<222> (325)..(325)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ttgcagaccc ttncccagtc tgactggagc ctaccataaa ctatggaagt ctaaagcctg 120

ggttggtctg gtgcccattt tgtttttccg tgtggtcatg gtctctctgt gcccttctg 180

agaatctgtt tgctctcagc tcagctattt tccatctagg tccttctcat aggaggggc 240

tggtgctgtc tcttttctgg tactggtagg ggattagatc cattnctcac agacttgtcg 300

tggtgttgct catacctgag ctatncctgg ntcaggctcc tatgggcaca ggtgtatgtg 360

tgacgttaca tgtatagctg tcacacggct gt 392

<210> 3028
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<212> DNA
<213> Mus musculus

<400> 3028

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tgaactatct ttacttggta gattcttcct 90

<210> 3029
<211> 339
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ttttntctta ggcgttagtg gatgatacaa agtaagtcag gttcatgtcc tggtcagtgc 120

atcaacctag tcatttggga gagattgttt gtttgggttt ttttttttt tnnctgattt 180

gctttgttct tatttctgtg acgtatggaa cccataatac ttgttcctaa atgaaaacca 240

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tagtctggta atttgcccat gcttctcatc ttatggcca 339

<210> 3030
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 3030

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ctctcagttt tggcactgct acaatgtctc ccttggtttc cctggcaatg cagtttgctt 120

ttcttccttt gcctcttcag aggtttcttc tggttagttg tacagactcg ggtgtcacct 180

gagcttttg tatcgtgaat acatttaggg atcttctgct tctttttgtc ccccatattt 240

cccatccctt tatacactag gtttggtttg aaattctttt ctcttctttt cttttnnnnn 300

ttttttaaa tggggttttg ttttgtttta ggtaggagac attnatatag tcagattggc 360

ttcaaacttg tggttttcct accccagcct cacaaattca gggattatgg aggttaacta 420

ccacgtctag cattctttgc tgatgttgtt tgtttgtttg tttgtttttg agacagancc 480

tctctgtata gccctagctg acctggaatc tgctatg 517

<210> 3031
<211> 296
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (235)..(235)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caagatatta tcacagcaaa aacaaataaa aatttgattg tcttctaaga agctattggt 120

agctgctggc aaagggaaaa tccgttttct ccatgaactg tccctgggtg tatcaaccgt 180

actccagggc tggccgcgtg tccnaggagt agctgnccaa tacagacaga ctccnatgtt 240

gttngttgtt gttactactg tcctttcatt ctgttgttct gtcttactgg cttatt 296

<210> 3032
<211> 510
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (291)..(291)
<223> n is a, c, g, or t

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<222> (297)..(297)
<223> n is a, c, g, or t

<220>
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<222> (305)..(305)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (403)..(403)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aatgcttgag acncaatgta cctcagatta caaattgnat atatatattt tttttatttt 120

gaaatatttg tatagacttt ctactttcta ttagatttga gagtatttca gattttggaa 180

ttagggttat tcaatccgtt accaggtaaa actcacaaaa ctagtgtact gtgagtgatc 240

actgttcatt tgaaaattca cttggtactt natttatact ctttcctttg ntctccnatt 300

tgctntaggt ntcaactctg cccgctcagt tcctccttcc tacccaccac cacaggaccc 360

gttaaaccag gnccagtacc tgntccccga tggcntcgct cantctcaag tgtttgagtt 420

cactgaaccg aaacncancc antcaccatt ctgncnaaac ttcagtaggt taacccccct 480

caaaaaataa tacctatagg aaggcagata 510

<210> 3033
<211> 338
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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aggnccatca gataaaagtt gattttgctg gtgcagaggt tggtatttta gcacagccag 120

gtccggagct cctgatcctt atttatttt gtaactgacc agtgtggagt atagcacaag 180

aattccctct gcctccctcg tgcctcccga gcgcgtgctt gtggttctga gtgcctccta 240

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atgggcggga ggggggtatt cctcctgccc aaggcgtt 338

<210> 3034
<211> 408
<212> DNA
<213> Mus musculus

<220>
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<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

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<222> (281)..(281)
<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agctcagagg tgggattgag catgcctagc agcggcaggc atggagtgcc acactatcca 120

cccccagggg gcacgaacct ggaccagatt tctttccacc ccaggatttc tttgcatctt 180

gcttgcctaa tgcagtagga caccatgncc gagatctgtt tccgagtggc atgaaaancc 240

ctggctttgg ccctctgccc tcagctccga aactcatccg ntntcttcca gccccagtag 300

tgatgagagc ggctgggtca tgaagctnta ccacaggact actntcgagt ttcccacttg 360

actccttttc ccaagaaatt gttgtaactc tggctttagt atatacat 408

<210> 3035
<211> 529
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (342)..(342)
<223> n is a, c, g, or t

<220>
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<222> (345)..(345)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (489)..(489)
<223> n is a, c, g, or t

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<222> (502)..(502)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 3035
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acagttgttt aatggggtcc tggaagagtg tctcagcagt taagagagag cattggctgt 120

tcttggagag aattctgatt ttgttccctg cacccacgtg gtggctcaca gtcatctgta 180

actccggttt caggggatct aacactctct tctggcctct gtgagcacca ggcatgcata 240

tggtgcactt acacacacac acaggcactt atacgcgaaa ataaaaatct ttattttcaa 300

aagtctaatg gaatactcag gaaattttgc tgnttttttcc cnaancctna acatttntga 360

acattcctat tncantcact agaaggnaca gaaaggacac atttgtaagn atagcatcct 420

agaatcccna cctgtgttta cacagacntc ttccttctgg agaggcaccc tgcttcgtag 480

aagctcaanc ctgtgtgtta tnantagact aagctcaata ttttactat 529

<210> 3036
<211> 430
<212> DNA
<213> Mus musculus

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<222> (242)..(243)
<223> n is a, c, g, or t

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<222> (245)..(245)
<223> n is a, c, g, or t

<400> 3036
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ggtcagtcaa ctctccaact atattctggt ttcagtgtct ctctttggcc tgttttttgt 120

ttttctgatt tcagtccttc acaaagtttg gctccctttt gtaacttact caggttcatt 180

ccttcatagt tgtacattat gtatgaaatg caacttcgtt atttggaaaa agttcttgct 240

tnncngtata gaaatgaaag ataatctttg ggggtttgtc aggtaaatcc aaactattag 300

gatagtcaag tcccctggaa tgatttgtat ctatttttga atatatttta cttagtaaat 360

ttttacatat tttctccctt tgtcagcctt gtagccaaaa ctggctggcc atgtattagg 420

cacaccaata 430

<210> 3037
<211> 396
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (242)..(242)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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caaccttgtc caaatgcatc accctgaagc tcattcgggt cactccagct cctgtacccc 120

actgatttta gcaccccagt gtctacatat ttctctaatg tatgtgtgct cagtgctgaa 180

gggcttcttt tacaggggca cctcatattc tcttgtggag ccccagttct taggctgtgt 240

tntacaggag gaagcacccc aacgtgaaca agtatttcct ttcctcgtgc caactagaga 300

aaagggcaca gtgatgggac aatggggaca aacgaggttg atgggcacca agccctgact 360

ctnttctgcc tcttcgcttg gttctttatt ggcatg 396

<210> 3038
<211> 489
<212> DNA
<213> Mus musculus

<400> 3038
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ggacacctgt gatggaaaca tatcaagaca gcttcactca tggacctcaa ttattccatc 120

cataaaatgg agaaggacag caactgaaat caggcaccaa tctcaaagtc ttctggccac 180

atctccctct ctagagaact tgtcaagcat ctgggaatct cgttgttcct tcctttctgc 240

ttggtatcag actgtaaatt ctactcttca cacttcatgg tccagctctg agtgccactg 300

agcagaggtc atgttggtga tcgccaagct cacaccaggc atcctctgcc agcatgaaca 360

tgccccccctg aagcagtctt cctgaaaccc tcacttccca aggtatagtt ggttttcccc 420

aagttggttt ctcccacgac cttctaaact cagaacagca ggccatagcc tcctctgtag 480

ccttaagaa 489

<210> 3039
<211> 516
<212> DNA
<213> Mus musculus

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<222> (34)..(34)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttggcctac aatgttctta attgtatata atgtatacat acatgtagta tgtatacatt 120

aagtttgaac tattaaaaaa tggagttttc atactttatt ctgtaactaa aaataatctg 180

atcaaaatca attgttcact tgacnattta tatgaaaact gtatattcta ttcattgtta 240

tatatttcca cctcatatct tatttgtttt caataatgta tttatcccca agaaaacatc 300

cnaaaatatg gaagtaattt ggnacaatat ccagtaattg tttaaataac tggtttgtta 360

taaaacaatg ttatgnccag attctattct agaaaagatt aaacatactt agaacaganc 420

cataaaacta ttttcaataa ttaaaatcat gtttggctca tgggtgtgac tattagtgtt 480

cttgatggta ggtctgcctg gatgtacttt cttagt 516

<210> 3040
<211> 440
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (307)..(307)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctagctccag agataactgc acgtctcaga tcacctttga aataacccgt attcatactg 120

tgttgttcta aatggacagc tctcaggcaa tgaaattaga tgtgtggaca tcaggtgaga 180

acaaaagctg aggtagcatt tggcattgga aaaaattgng taatatatta attgatgtaa 240

gtttccttaa tcttacacag tttgtgaagc atattnatgt acatatgttg gccaggatca 300

tgaaatncct cctggtttgc atcttttggt gtggcttcaa taaagaaata agtttgaata 360

attccntcct agctacacag gaagccacag tggtgtggaa gttgagaaca gtagagactg 420

gtgctaatct tttataatca 440

<210> 3041
<211> 565
<212> DNA
<213> Mus musculus

<220>
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<222> (334)..(334)
<223> n is a, c, g, or t

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gcacagagga agcctgaacg acacaggtat aggatctgtg ccctttgact tggtggctga 120

gaacagatat gtaccgcaag tttcaacctc agagattaca ggtggggtca gagtcagctg 180

aacgacagag tcttagccat ctctcctgca tcagcattgg gtaaagccat gccatcacaa 240

ggctccactt ccttggtcat taagtagaca gacagatgct gtgcacaggc ctggctttcg 300

gggaaggtct tggagggctt tagagaagtg cagnagtaag gagagtggcg tgggagttca 360

ctgggtatgg gaaactacct cattctccca aaggttcgta gaagcacagt taagtatgga 420

aagtggcttc cttgcaccac agacgtctca cgtgaagccc tgctagtgtt aaggacccac 480

agtggtggtg ttctgcgggc aatcgacaca ttcctcactg ttggcaggtt ctgcagatta 540

tgtccacctt tctgttgcca ataaa 565

<210> 3042
<211> 88
<212> DNA
<213> Mus musculus

<400> 3042
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cacacttact tccagagctc ttgtgttg 88

<210> 3043
<211> 414
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (183)..(183)
<223> n is a, c, g, or t

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<222> (187)..(188)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
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<222> (362)..(362)
<223> n is a, c, g, or t

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aacccatgga gagaaacatt tgccatttgg gaaaatacca atgattgcac gactcctgac 120

ccactgcatt tcaacagttt tagcaatcac atttctttct tgaacttgac ccatnttgca 180

ttnaccnnct nnttcaccat gtcatactag acnagacagg actctgtacc anccagttan 240

tcagaatttt ctnacatagn aaatctgaga ccaagtgatc tgancaagta ttctacagcc 300

aggaactgaa caacncaaca gtttttacca tggaaatgtt aaatcctaca acccaccatg 360

gnccggaaga tggagcaatg gtggctttct tttccttggc tgttcttaaa gtat 414

<210> 3044
<211> 590
<212> DNA
<213> Mus musculus

<220>
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<222> (75)..(75)
<223> n is a, c, g, or t

<220>
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<222> (306)..(306)
<223> n is a, c, g, or t

<220>
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<222> (340)..(340)
<223> n is a, c, g, or t

<220>
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<222> (357)..(357)
<223> n is a, c, g, or t

<220>
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<222> (393)..(393)
<223> n is a, c, g, or t

<220>
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<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (514)..(514)
<223> n is a, c, g, or t

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tttgtttttt ttttncgaga cagggtttct ctgtgtagcc ttggctgtcc tggaactcac 120

tttgtagacc aggctggcct caaactcaga aatctgcctg cctctgcctc tgcctcccga 180

gtgctgggat taaaggtgtg tgccaccacg cccggctgag tcctccatct tgattaggag 240

aaacatttcc tagattttct ttatcttgta ttttcatcta gcctcctcct gcccccactt 300

tttggntctt ctacactctt tgtctccttt caatgtgaan caatcaacta tacaatnata 360

ttcattttca taagttattc agacaggtga gtncaaatct tacattctgg atttccatat 420

nagctatttt ttattaaaat ctgataaact gatttccaaa tttattacat atgtatctaa 480

atttatattg aattatatat cttatataaa gatnatctaa atattgtctt tcaatagtat 540

ttactctaat tgtttagcat aattgatgaa tcattaaaac atttcctgct 590

<210> 3045
<211> 442
<212> DNA
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tttattacaa ctgtgtcatc agtctcgaac tggcaaacaa aaagtacttt ccataaagct 180

tgccacatcg ctttgcattg tcaacccact gagccaaaga gtcactgcag ctatgggcat 240

ttgcctcatg cagagttcag tataagcatg gatgttagtt attntgaatg ttaatatacc 300

cncnncntnc tgaagtccct tagnatttnn ttctttnana cnananctta gaattntgag 360

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gcttcccgag tgtgcttttt gcagatttnt ctagctctga agaggtggtn cctgccaggn 180

cccggggatc tgctcttgct aataaccatg ctntttcctg ctttgncctt ggtgtagntc 240

ctggcctcga gaaacagtgg tcacgtggtt ggtgggctag gcagataatc tttgaatttc 300

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acgtgtggac accaatgatg tgaagccnaa gtttagaggg gacacacagc tttctttcac 180

atgttttaag tgttccacat gtttaaaatg taggcttgac cctagcagcc atcgagtgca 240

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cacattttac ctttctttgt tgtcaacgtg gccttatcat caaaccctct gcctttatta 180

accacaccag gattctaggg ttgacattat ctcatgcatc tttctgcccc agtgtgaagg 240

gactacttct tanccttcca cacattcatg aggactnncc tncctncccc cttgcagcct 300

ntatgttgtc ctcctnctgc tnatgatagt ctgggtgcaa gagacttgaa gtgtgttgat 360

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ggtcagggtg agtgtgttca gcccatgctg actttatagt tgatgtgggt ataactcaga 180

atggtagttt tcaagaagct tttgactgtg tctttccaga ngtaacatgg gtgtgtttgt 240

gttcccctct ggctgacagt gacagtcaga tccctgcatc ttttgactgg tagcagctcc 300

tctctgccag acttcccctg acatctcaga gttgctcaag ctcttgattc agaatntcat 360

tgaccacttc tggattttag atttnatatg atctgggtnt agaccattgt tccatattnt 420

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gttgtaacag tgctaagtgt gctcagtaga attttattta cagtactgtg tgatagtcca 120

ttactgccta gggtagttga aaaccagtga tctgagctag tgctaggtaa acctatagct 180

gacatgattt cagtcacact caaaaatagg agacatgtac ccagcaaagt tctccagaat 240

gcaggaacac acttcataac cagggaacta nccaaatcct atgggctaat agctcagctg 300

cagggaataa agattgtgaa ttggtggcaa gtatnncaca ataactccct aataattgct 360

tcctaagcac ttgtggcata cttttgagtg acataacagc attttcttgg ctgtacatga 420

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cggtcagaca cacctcgaaa aggctccctg acacccgtgg agtttgtggc tcacacttgg 180

acgggtcaaa gtattttgac aggttcacag tatctgcccn anatcttatc agaggncaac 240

ccngactnca agaaagaggt tccaagtgnc ctcgtaatgt tactgcttca gaattatgga 300

cttgctaga 309

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cagggatttt gcgtagtact gacaggagag cttctccgga ctcaggcctt tagtcagtct 180

ctcgggttta caggcagaga ggcttgaagc agccttcggt tcatgctttc tgctgtttct 240

gatttctggc tgtgtattct gagctgggat aaacagattc tcctctccaa acacttattt 300

gctactagaa acgaaattgg cacattaagc ctccttttat tacagttcaa gaatttgaac 360

tccagattga tcgatttacc ctccctgatt tttgacagtc cctaaactgc ctcgtgttgt 420

cacatttctt caaattcttg ggttcgagtt tctaaagcac aagaagccag gaggccctac 480

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tttattttcc cccaaattta ttaataccta aactagatta atgtaaaagt acaagtccta 180

aatcttggta ctcctgaagg cttgtagttc ttctgaagat atatatagat agatagatta 240

acttctgaac atattaccac tcaccatctc taccttggag aagcgttaga accctgctcc 300

aggggtctgg tgaggagcgg gtggctgggg gttctctaca cagaatttgg tttcgtctgg 360

ctgcttggtt gggttttctc tctntcctct gctccccagg tttgctctct ggtgcttagg 420

agcagccatg gcagcctcca catgcagacc tcaacccctt gtgtgtgtgg catttgcaac 480

cagtgaccaa cca 493

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gttccccgcc ttccccctcc cttntaggaa gggataaacc ttcgccatag ctcacattta 180

caaagagctt tcgggctcag gcatacactc ggaagtgaca gctgctatta cgtccatttt 240

ccggggagga aaactgaggc caaaatgaca gtcacttgcc agtaatcaga tattttagga 300

agtggctagt aagggacttg aattcagatc accgtttcaa ggcccacact tcatttcctc 360

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actccagcga ccgaccggcc ttcatctaac ttgtgtgttt ctttgtggac accngggnnn 120

ngggnttntn agtctgacag gnctcaggag agannggaca ncanggatng antanggnag 180

ggggnaatcc cttagcaagg gtgagaggag ggtggaaggc cctntgtgtt ccnncccacc 240

cctngcctgg ggnccgcngn tgaggntcgg gaganttgnc tntncnggct gcncccagcn 300

ctgatggagg aaagggcagg aggtttatgt tctttttctt ttttgatttt aatttttta 360

atttttttgg tttaaagana aaaancaaac gattgcagct ttanccngtg ggnagtcctc 420

tttttactct ctgtatctcc cctatttttt ntcttctccc catgtcattg tgcgcatcaa 480

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gaagctgggc agaaaggtca ccatgttctt ccttacctca gtttacctgc agcccttgct 180

gcagtgcaga tgcccaccct gtaccaggtc aggccggcag atgcttcatc catgcctcan 240

ngntnnncgc caacatgctt ctcacgtctc ttcccctccc cacccccctt cccaagcact 300

aggcttgttg tttaatggag cccaaccaat aatcatgtgt cttcagggtt ggctcagtgc 360

agttgctaag caaatcagtc ttcaggagaa acggggtggt gtggataagg ctggaagaaa 420

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gagcatttag aaaaatgagt tatattggaa aaatgaatta tgttggtgat ttgaagaagt 120

atctttttgt gttgtctctt tgttcagcag tgaaatttta ttctcagtgt tcctattntg 180

cattngttta cattcttaag gtttttattt taatcatcca taagtgtgag acatgtacat 240

attattttta gcatctcagt ttgaagagac atacagttaa acttgacttt gataaatact 300

tntaggtcat tgtctgtgcg aacagcagan ttgtaagcat acgcttccta gtgatgtagc 360

tttctgtcat tgtntccttg gtatttattg aacatccaca tactggtggc acacagattt 420

gttccaata 429

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taatcttttc atttttgaag cttccaattt gcttgctgct gctgctgcct gggggccagg 120

acagaggtag tggcggcccc catgccgccc tccttgagct ggtgaggaga agtcgccatt 180

gagcacacaa cctccaccag actgccatgg ccccgaacct gcaattccat cctagcgcag 240

aagcatgtgc ctgccacctg ctgcccctgc agagtcatgt gtgtttgtgg tgggcatttt 300

aaataattat ttaaaagaca ggaagtaagc ggtaccgagc aatgaaactg aaggtacagc 360

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ctttttttt ttttncctta aactggctcc tgtcaaagat taagttaata tggaaaagac 180

ctcttatgtg tattgatggg gcatgaggag cccaggcaag gagaggctcg tggagaggct 240

gagggaatgt tactaagttt ccctccgttt gtctccagtc tggtgccagg cagtagagtg 300

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cttctaaacc acaggtcaac cccaggctgg gtaactgtgg ggcagacaca agggaagtca 180

gagacagggc atcaccggtc ctgtgacagg cagagaggca gcagctgtag ccagcagagg 240

taggagatag agaggcccac tttagcccac ctgaggaccn aggtccaccn nagggacagg 300

nagggnaaga ganancaggg atngnaanaa gcaggctaac aggncctgag cagatagtna 360

tccaganttc actaagagtc atatgatctt ggctggcaag gtggttcagg gggttnagnc 420

ccttgctacc acncctgaca acctgactta gtttcccctg tgatagaaga ttagtgactt 480

ccacgggttg tcc 493

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cctnattctn tcttttgttt aaatantcct acnnntgttg tgancattct ntcactggat 180

ccctgantcc ttngatnacc ttcctganac ctgtgtgctg tnatagacca natgtgaacc 240

cnngtngttg ggatgttcca tttttntctt cntctgaaat attngtctgt ttcaagtgtg 300

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actggctaca acgtgaagca gctcttccga cgtgtggcgt cagctctgcc cggcatggag 180

aatgtccagg agaagagcaa agaagggatg attgacatca agctgnacaa gcctcaggag 240

ccccngcca ngcgagggcg gctgctcctg ttnatgcacc ncccactcgg cttcctnagc 300

nccactcact tgttttgcct cctanagctt ccnaacgggg tgggaactga gttnatcaag 360

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tgcttaaagc acatcagatc tattttggac aataccctg accattctaa aactggaaaa 180

ggaaaagtta cactgtatcc tgccacctta tggtagcctt gtctttaaag ggtgaataat 240

ttggtctggg taaaatgtta atttttagat gatttttaa aaaaatcttg tgccatgtgt 300

cttctctgtg gacagttaat tgtttaattg atatgtgctg attgtgtgat tcactcctct 360

ttgtggaaac taaaatattc tttttagctt tatattttat aaactgccag attgtacaac 420

ttttatgtgt atttttaaag ctcatgatat gaggatcatt atctaaacgg cctatttttt 480

tacctctttt acagttttat aattctgctc attgatgaag gcgacttatg ctgagccaac 540

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gtcacaccac tccgaagtca gggttcccta gaggatttct tttgtgtttt tctgcagtgc 180

tgaggaatgt aggcagggcc tcctgcgtga gaggcaanta ctccacagan ccactcccag 240

atcctcncag cagantctct cggctcacag ggaggngtag gagattgggc tnttaagaag 300

gtaaagtttt aggaaccnca ntcaggaacc ccctgggttg ggctaccnan tcccgaactc 360

tgggggtact ctatcaggaa agcncacttc aggagttgct cagtggatag ggtgttccca 420

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tctctctagt aaatttactc tctttgaact catgttattc agaccaatat tttacctgga 180

aantttcttt ttntaagtat tattagaaaa tggctttgaa atatagaacc anctgaggtc 240

ccccagagcc cttaccacaa tatattttat atttttttaca ttataataat ganctaaagc 300

ttttcagaca agcccnactt acantctata gtatanngan nttagttnac tgaagcattc 360

atggcattta accagtgcct anaaatgtat ttntgcatca tcctctaaaa atgaaacctc 420

cantnttcag tattgaagga tttaagaggg attgaatttt atccagtggt aatattcata 480

aacgttaccc tccatgaaaa ctacatagat atccacagga t 521

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ntctttgcaa gactgcaagg agcgcgcaga antggantgg gagtcagtga taaggantgt 180

ganttntttg ttcaactgga tcctctctct tgctcttcga cataaatggt ctccgtctgc 240

agacatttca gtactgccca gaagaaatct tgagactctg tgtggaccct gttcatgtca 300

ttgtcacctg taacaatggc tctttggatg tgtacgtgtg ggaggagaga agcccactgc 360

ttaggaggtg ttatcgacta cgaaaaaggg gatatctgcc actgtctggc ttcattatca 420

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ttcattttcc ccttatgttt atggaaattt ttgtaactat tatttgaatt atttttcat 180

atcatgaaag tggctagaga ttttcanagg attttntnnt ntttttntga acactgnnaa 240

tgatcatgta aaactttncc atnactgtat tnatgtagta ctttacatga ncnctnnata 300

tnttatncta ttccnacata tttaggtcac atttacaata taatagtata tacacttttc 360

natatgtttg atggtttgaa ttgtatttgt tagtatagaa cttcattttg tattattgtt 420

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<223> n is a, c, g, or t

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gtntttnatn tggaggatga ggtgcgtanc ctgcncaaga tcaacaggga cctnnttnga 120

nttntccacg cgcatcatca cacgnccctc caagtgagac ntgctggncc actnccacac 180

aaacacttnc cacggggctg tgatctagtg ttttaacaaa g 221

<210> 3071
<211> 290
<212> DNA
<213> Mus musculus

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gtgagattca cagcgatatc aaacagttgg ttctcatgta acagctaaat gtttcagatt 120

ttgtttttta ttaaatttga catttcacac tgagatctgt attcctagcg agtagaacac 180

agctcctgtg ttcagaggga ttccgttcca caattgacaa atagatattt caggacatgg 240

gccaccaagt gtactccgtt cccagtgtcc tcccgttctg aactgtgcag 290

<210> 3072
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<223> n is a, c, g, or t

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aggcacagcc aaagagcaga cagaagttaa ggtggccaca gcacaggtca gggatccaag 120

gagctgggga ggactgctca aaactagtct ggaagcttgc cttctctgct cctgctgacc 180

atcaggtcct gtcattacca ctctcaggtc cgtcttatga gatgaggaat ggggccctcc 240

tcaggggaga gtttcagaaa tgagggaaag gcaattatag atagaaagaa gtatcctncc 300

atttaaattn ctgaaagagc tagaatccct gggctcggta gtttgtatct taatgtttgt 360

gcgctagcac aggcccattg gagaggaa 388

<210> 3073
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ctcacggagg ttcctccatg gtggcacaca catggcctag cngcctctgc aagaagtgaa 120

atgtaagaac ggagctcctc ctgccacata ggacacatca ttggctgctc tgaattttac 180

ttntaggact tgcaatctnt ccatacctat tgccttaatg ttgtggggaa aatccccaag 240

ccccagctgt ctgcccaaaa cttcgcacac agagagaann nnnnnnnntg caggattttt 300

tttcttgttg cttgagagct nttctnatna ttggagcaca accnaaactc aagacancct 360

taattcagta agatttgcac aaaaggaagc atacctatnc naactttgga tcttaggcat 420

ttgatc 426

<210> 3074
<211> 357
<212> DNA
<213> Mus musculus

<400> 3074
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ctgaggaacc acaagagggc aaatggaagg cgcactatga ctgcttgtgg tataacagaa 120

aaggataggg ctggagactg cttttaagga gaggacagga ggtgcgctta cacagagagg 180

cctggagggg gagttgccaa gcagatgatg caggtgtagt ctcctggcct ttggacaaaa 240

tcgcctctat ctggatcagc tgtgcctgtt tacagttctg ctcattgact attgatagcc 300

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<210> 3075
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<212> DNA
<213> Mus musculus

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ttccttcntc cctaatcctt tgtacaggat ggagca 96

<210> 3076
<211> 330
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cacatgctga cgtttttttn tttnttttac aaaatgcttt taatgccaaa gttaatctgg 120

ttgctgagca gacatgacgg ccttgatggc cctcgtagga cactttctcc tgtatcatag 180

catagtgggg tgggggtnnt cnagtgtaat gaagataatt tgatatgaaa atattttnta 240

cgtatatttt tactttgttt tctcaagtgc tgttgncagt tncagttncc ctaggtgaga 300

tgtntcagtg ctgactgtat gaatggatga 330

<210> 3077
<211> 492
<212> DNA
<213> Mus musculus

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aggcagtgat agtcccacag gagaagcagc caatcagctc agagtgggaa gtcattttcg 120

ccaaggcacc cagctaagtg gtcaaacaaa cagaaccctt ttccagcagc aggtgatgaa 180

ctgtttgtaa catcttcaaa taagtcatag aactaaataa ttcatgtctt taaaaatagc 240

taccaacttc tgagttatat gaactattaa tganaaagga tacttttttg atcaagttca 300

tntactgnat atcnaaccca gancctgagc atnatagaca agcactcacc actgacctac 360

attcccaccc tnagattttc aattagctta ntcagaagct caggctgncc ttgaacttgc 420

nataactttc aatattccct caaantcata attntcctgc ctntantccc agagtgctat 480

gactacaggc at 492

<210> 3078
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<212> DNA
<213> Mus musculus

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cacccgctgc tgggctgccc tggcagcnnc catcatcctc aacctcctag tcttcttcta 120

tgtgtcatgg ctacaacacc agcccagaaa ctcccgggcc cggggtcccc gccggacttc 180

tgccattggc ccccgagtca ccgtcctgat tcgggaattt gaggcttttg acaacgcggt 240

gccagagcta gtggattcct ttttgcagca ggacccagcc cagcccgtgg tagtggcggc 300

cgacacactc ccttacccac ccctggcctt gcctcgcatc cccaacgttc gcctggctct 360

gctccagcca gccctggacc ggccagcggc ggcctcgcgc ccggagacct acgtagccac 420

cgagtttgtg gctctagtgc ctgatggagc gcgggccgag tcaccaggcc acctggagcg 480

aatggtggag gcgctccgag ggagcagcgc gcgcctagtg gccgccccgg tcgccaccgc 540

caacccagcg cggtgcctag ctctgaacgt cagcctgcgg ga 582

<210> 3079
<211> 568
<212> DNA
<213> Mus musculus

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ggtgaatgtg attatacata aaatttccag catttctctt ggtacttctt cagactaaaa 120

tattcaaaag atgatctgta ggtctgaagc agttcacatt ttaagtattg ataagtactg 180

tttacccttc cataaacatt tgcttatatg gtccccagtg agtgtgcttt gggcagcaaa 240

tcttatatat ggaacacaca ttctctggag tgcatctcat gagcgctcta gagtgtagtt 300

tgaaaatcac ctaatttgtg tttttaagaa ttactctgac tcttttgaag tgtgccccca 360

agtggtaatg attcaaccca gggtcttata ctgctaagca ggcgctctac cactaaaccc 420

agcacagatt caccctgatt ttaaaggaaa gcttatgttg tttaagttgt ttttatttga 480

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attcaaggcc attctgggct tcaacagt 568

<210> 3080
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggtnctgttt gggggtgggg tggggtgggg tggggtgggg gtgagtttct gtgaacttac 120

tgatgtaat 129

<210> 3081
<211> 119
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (56)..(56)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctggggacct ggccagagct gggactttgg caggaaatca cttccctgct tggcttcat 119

<210> 3082
<211> 526
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctggcagtga agaccaggac cagcgatggc tggctggagg gngtgcgcct ggccgatggt 120

gagaagggat gggtgcctca ggcccatgtg gtggagatca gcagcctcag cgctcgactg 180

cgcaacctca gagagtacaa gagggtctcc aacgccagca gcaagctggg ggacccacct 240

gcctgatgct ctgctggggc ccagctgggg ccactcgggt gcgggtggcc tctgtgtgtn 300

tgagggccnc cttcacagtc actggggggt gtcagtcctg taaatatgct ctggctgcct 360

ctgctcacan tntgagctgg ggcctttgca ccggctgccc catcaggagg gcggggctgg 420

ctgttcctgc tgtcactggt ctccaggtgt cccgtgggca gaggggctgc ctcaacctgc 480

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<210> 3083
<211> 417
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (174)..(174)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aggcacatac acttccagtg aggagagctc tactgagagc tcggaagaag aggacgcccc 120

gtcattcgca ccttccagct ccgtcgatgg caataacaca gactctgagt ttgnagaaag 180

gcctcaagct taaggctaag aacccagagc cccagaagac tgtgaccccc gtcaaggatg 240

agtacgagtt tgatgaggac gacgagcagg acagggtccc cccggtggac gacaagcacc 300

tgctgaagaa agactacagg aaggaggcta agnccaacag cttcatttcc atancccaag 360

atggaagtga agagctactc aaaaaacaac acgcttgcac caaagaaggc ggcccat 417

<210> 3084
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (511)..(511)
<223> n is a, c, g, or t

<400> 3084
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aaactgggca gcatggatat actccagctn tgnccatcct ggagttcaca ggactgcccc 120

agatcactca gccactcctt nttggaacta gaatggcttg cacngtgccg atccnacact 180

tggagtcaaa gcaggacatg gatgcctgga atcangacca gagtanacac aacaagncca 240

tgaagaatat gccactagat atgaaattca gcactgaaat ttctagacag acattaaaat 300

taagctacag tttaagaaca ttnaacaaac aacaggtgca tctncaactc antncctctn 360

ngatacaaat gacgntgagn gaattgcaga gatggntcag ctgttaagag tantttntga 420

tnttntagag gggttgagtt tggttcccag cactggtntc agacagntca catactataa 480

ctccaantcc agggntccaa catttctgnt ntctgtgggc acccacactt acctgctg 538

<210> 3085
<211> 69
<212> DNA
<213> Mus musculus

<400> 3085
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cttcaaatt 69

<210> 3086
<211> 360
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctgggnaaag gaggctctcc tgctgttttg tcacgatatc ctccaagttt atgagcagca 120

acacaaagga tctaccacag gtgtatggcc ttaacacccc tcagcatact cagagaacga 180

caggagatcg accacctttt acctgaaaac tttggccaat gatatgactt cccttgaggc 240

tgggagccta ataccctgcc gggtttcctg tggtcttcag cgtttgtgtg aaaaaacaaa 300

ctggtgtcta agatncccag ntctttctga tcttccacga atccaccttt tgttacttct 360

<210> 3087
<211> 582
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cactgggatg ccaggagctg cttctggcct tggccttatc cagagcagga attgttatgt 180

ctgtcctgtg tgtccagccc ttggcccagg ggtggggtct atgtggacaa aattgagagc 240

taaggactgt gacatgagcc agagtagtgg taatgggaac agggaacggg tgtggaagga 300

gggcaggtgg gcctgccaga gatggaatgt ggagagaagg tgggtcccgt gggaacaggg 360

aaggtgctgg ggtgcagggt ggtcaggagn ccctnccagc tcagggacac agaatcaggc 420

tcctcagact gcagaaagac cgtcctctca cttcttagac tgcacacttc ttgcccntgg 480

gatgtantcc aggctagact cactnccatc ccncttcagc ctcccaaatg ctgggattat 540

gggcatgcac catcatgttc tgcttgtgca ctgggtctta at 582

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<212> DNA
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acnacaacna canacacaca cncncacatc ttttaaaatn ccctttggga aggctgagga 180

catggnccaa tgancncaca cataanaccc agacgtggca ncatgtncct gtaactccag 240

tactggggan caagntccag gaactccctg nccanccaga tanccaaatt ggcaaggttt 300

ttgttnaggg agagaccctn tctcnaaaaa ggaaagtgaa gaataactaa ggaagatacc 360

tgagggacaa cctttgacct aaacacaca 389

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<212> DNA
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agtatga 67

<210> 3090
<211> 63
<212> DNA
<213> Mus musculus

<400> 3090

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agt 63

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<212> DNA
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ttttcatcag ccttgcntgt ttgttcagta ggaaactagc tatgctttac tccaagagaa 180

tgtttggacc ccaataagca taggatgcta gagagtttca cttgaacatt tgctataaat 240

cgaatgactg taaaatatta tttcatgaac ttgtaaatgt gtgatgggtg cctttgttat 300

tttgagatga gttctcagtt tttttactct gttctttcaa ggtcacgtca acagggatga 360

gatggagggg agtgnctatg tttcacattn tcctttgtct ctatatgtta tttagtaaag 420

tctgtattgt acagagctcc tccccccaga ctggctctac ccctccagat tatcttgtat 480

tgttaattta aaaatgaaga aattaagttt taccttagaa tcttctcaac a 531

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<212> DNA
<213> Mus musculus

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agcatttacc acagatctat ctgcacaggt gcaggactgg agtctgcaca gcacctctga 120

aagccactgg ttgaggtacc tacctgtagg gagagggtgt catttcttgc tagtctgatg 180

tgctaaacaa gtacaaatgt ggaacccttg tctaaatttc caagagtgag aagctagggg 240

cacagacagg aagagcgagt gagaatcctg aggtacatct gctgcatctg ctttaggag 299

<210> 3093
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tagcctgtag gttacataca gggaatgagt gggttttatt tctttggagc aaagtctatc 120

aactggctca gctctctctc gttctcctga agccatctca aacattttaa aatttaagga 180

ggggctttaa acttttttcaa gtgctttcaa ctttgctgtt aattggcatg ggtttgctga 240

ggggccagga ggtccctttg acaaagtaag atgccataca cagtgtttgc ttaataactg 300

aaggtctcaa tacagctgtt actgaacctt tatagacaat tccttttctt attataagta 360

gaatgagtga ctgtatatta atatattctc ataattatat cttgaaaaac aaaattttgt 420

ctnacctata agctactgta ttatgttatg cacgacattt cctcttaaag ggttatcttt 480

tttctattat ttattcatat ttttctctat ttaatctatg atgacactga ctgttacttt 540

agctgtt 547

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ttgtggtgct tcacctcagc cacccttcct tcctgggtat gattcaggct tcttgactga   120

agctgagaaa ccaggcttat ccagccccag cttgtgtctt ctcatctaga gaaaaagaga 180

agagcattaa ggagctcatg aggaacccta agtggttcct aaggtctcct tgggtgttcg 240

gtattttgtt tgtgatttga atgtgtgcaa gaatngcctg nctttaactg tgtattttat 300

aggagtggga ggtggctggg gcactggaag tgaagggaga ctganttatn ttttgtnttg 360

ttgttntttt tgttgttttc gtttctgttn ctntcttaat gggtaacttt ctcccgtttn 420

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agtttgaatt ctagattagg acctttttcta 510

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accggaagct gaagatggct agtcctgggt cctccagggt ctccaggtgg agattctgga 120

actgacaaga acaccactgg atgctgtgtg gctgaagggc ctgggacttc agaaactcga 180

tgtcttgtat gaacagactg ccagggccga gcctgggtgc tgaggctgtt gcccactttn 240

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agntccttgg aatggaggaa cataatatat ataatntctg gacttttcag ggtagttttt 120

nttctttgag taataatatg tttatgntcc aaagaatcac aacttggcat ccattccctt 180

tttataat 188

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<210> 3098
<211> 398
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tgagacttgt ggttattctc ctctagtaga tattaacttc tatctgactt ctcatctgta 180

caatgttaaa caagtaaagt attcaaatag gactcataga aggtaagtcc taacaaacaa 240

atgcgctctt gtcacnttgt tcagnnagtn tacagctntn ttctntattt nacattcctn 300

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taggcttgta tatggtagtc cgtccatgct tggtattt 398

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ctaataggct taactcttat ttgtggacta atagtaggat cttgccctca gcaaacgctt 120

tctgctttta aattaagaga gtcccaattg tctttttttt ttctgcctcc cccccacttt 180

atcttgacgg gatggatttt atatatatna nagaaatatt tatttaacta ttctatnaga 240

atnatcgagn tgccntgcta agacctttaa gcatccctcc ttccttattg cgtggtatag 300

annagcnggg nngagtgaga gncgnntcac tcgggaagct gcanccacac ggncctgttg 360

gaatgagtga cctccttaaa ggtatcagnn tcctcatccc ttgactggtg aggaaaaagt 420

nccttcctnc cggccacgga ctgacatgga gntcttcgga tgagcccgga tgcccatgtt 480

cttactgtat tt 492

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cgccatagcc ctcatngtag cggccaccat nggaggatta gtcctgatcg gatntgtntg 180

cttntatata ctgctggcac ttaagaaata aggaangtgc agntaagcca tgagctcatg 240

aatntntacc cgaagccgat cccaggacag gagtntcagg acaggaagac atggcccttg 300

tcaagntcca cctccntccc atttgtgccc aagatgtccc cagctaaata aagcct 356

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ccatgttaag aaganaacaa cntgagttca agnccgagan acctctgagg tcgaagngtg 120

gacacgccca cagcacggag ccngtccaca tncactgtag gtnantcagt gataatcttc 180

ccgccccctc caccacctta ctttcctgag tcttcagcag cggctccatc ccctggggct 240

aacagcctgc accagattga aancccacct tcctattcca gccttnntaa ctacggncag 300

gaccccaact cctgagaacc agggagcagc ctntgagaga gaacangagc tcatatacac 360

catttctggn cagggttnat cctcggagag atcatacact gganatnttc ctntggacct 420

gccccctaga tatgaagaaa aagaaactgc cccagccaca cccttgggtg ccccttctga 480

t 481

<210> 3102
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<212> DNA
<213> Mus musculus

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gacccaacct tggaccttgc ctgagtgata aaggtactct gtaactgagc tacagcccag 180

aatagttacg catttggttt tccgagacag ggtttctcgg tgtggccctc attgtcctgg 240

aacttggtag atagaccagg ctggcgtcag actcccagag atccaagtgc tgggattaaa 300

gatgtgagcc cacacaccca gcattttaat cctattagcc aggcatggta aagcacacac 360

acctttagtg ggaacactca gtaagtaggc agaggcagag gtggtctaca gagcaagttc 420

catgatagct agagttacac aacagagggt cctgttccca ccccgttcta ttagcaaatg 480

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tccttttctc actgaacttc atgcttntga aacatattnt actcctcctc actgnaattc 120

tggctgatag caatgaccag tagccnatgg cacagacgga ctgttatggc cttcaaaatt 180

cctctgccaa agagtctagt ccctgccttt tgaattcagc cccaggcaaa ttatcagggc 240

aggcaaatgt ggcaaggtta tttgccagca tgtcagatga acggccttta gcccagtccc 300

cagaagagtc cagttaattt atggaatagt ttgtatttga ggagttttga agaattggtg 360

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tgacttagtg cctgggacat agtgagggtg tgtgtgtgtg ggaaactgat gactgtctca 180

ttcatagaat ttagtcattt ttgcttccac gtgtgcttga taatttccct tttagacttc 240

acngggggggg ggtgaggatg tatccatgtc ttttatctat ggaactaggt tggacaaaga 300

cagagctttc tcctttggca gaaacagaaa ggcttggaca gatctagcta agcattgcct 360

acttcgatag agaacactat gaattgactt cccagaactt gctaagactg ttctctttgg 420

ttgtttgagg aagctgagtt tgttggagac ctttgcctca attatgacat ga 472

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atttcatttg ttgttataaa atccacgtag tttagtaagt ggttctgctt gtctttcttt 180

gaatggagat tccgagaaat cctgccacat taagtcctga gaggcncact acaggagggc 240

aacaagcttn tggctaaacc agaggaaccc ccccccccca agtctaacga aacgttcctg 300

tcgaagattg gaaagacttg ctttgctntt ctggatgcat agaaagtttt acttcaaata 360

ttnattctag gttaagtact ttaaggattt tttttcttta aaacaatgta ttatatcaaa 420

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ctcnaaacac ctgatcagca cacagctaat gtatattt 518

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aaaggaacct tttccatgaa ctacctgctg ttttctgatg acctctggga tcttttcatt 120

taccctaaa caaagaaacg aatatgacaa aacaaaaaca aaaaaacaac ccacaactaa 180

ganttcattc antcacagag tnatcttctg aggccaaaag tccatctnaa tncaatgaag 240

atttgctttc attaaagaca gaggtgagga cnaaatntgc nngtggaagt tatgacactc 300

tagaaancaa caaatgtgga tcactgaccn aaacaattat gtacttgatn cnnatncaga 360

ttgcgtattg ttatatatat agtacattgc gtttttgttt tccccatctt tttggtggtg 420

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ccanntnnag aaggcnagag ggataganan tanntnatnt ctttntaaca tnagctaaat 180

aanacnaaat cnaacnatat aattattatg aactacccag accnaggtat ttaatgaatg 240

gcatcaatga agtatggaaa 260

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aaggttctgt ccccttgag acttcatttt gtcatctacc acatctgtca ccagaagcca 180

ggtctgaggg tcttcttcag cgccattgag agtttcccat atagacattt tatatatgtg 240

agcaagtatt ttcatttctg gaaaaaaaag ntgttaaatt ttttttaaa agaaacttat 300

gtttctattt gaaatccaac taggatctaa tgtttggtac aaaactccag aaatggtatt 360

ttcataaagt cacaagtttt cattcccaga ggtcaaaata tcatttgtgg gttctgagtg 420

ggtcttaaag tactttaacc ctagttttat aaatggggag aagtttttaa acattctttc 480

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tcaggcatca ttcatttctc cagccaggaa acagnagatt cctactatgc tatccctggc 120

ttganctaca gctgtatatn acctccaatc tgaaactaac tcagaaggag gttatnggac 180

tcacantntt cccnangggg tngtataanc aagaaccagt tcntnaggga gagatgactc 240

cctggtagca ctncctgcaa ncagtatanc aaacttcagg gattcagntc cttcaaggcn 300

tcacccatgt tgggttgctt tgttantgac tnagctagct gactatnnca accataatnn 360

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ccaggattgt attatgtgtt tggcaaatca cttcataatc ccctttagga aataagtcca 120

cagaatcagc atgtaacatc tgatagcttt gttacatgtc attcagagtg ttgaaattct 180

gaagttaaag gggcatttaa ggattgtttc atctaatctt aaaacagcct gtcatggtcc 240

ttgatttccc aaggtcagag agatccaggg cccctagtta gagtntagan tttntnattc 300

acntagatgg aactgncctc acccttagaa gntcanatct gggccagaag acatgagttn 360

ttccaggtag aagagttctg tgatgttgca gtctcacatg attcataacc atcttncctc 420

ctgggaagag gatgcaagca aattgcngct ttagaaaaga cctntcagtt ccantcaccg 480

tggtggtaca cntcctaaat cccagctctt gggaggctct gtgatttca 529

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cggtttntag ggncagaata gagcatcagc aanctaggcn caatatgatt natggaacag 180

tgcacccttt aaactgattg gtctttaagg natgaggnga caaggacttc cgttgtctga 240

tggtggaggt cctgtggagt gtgtccccac acacaggtca gttcctntcc tttagtntga 300

gaaatgttaa ttagcctctc ccttccagag ggngacgtat tccatgacct tcccaaagtt 360

cttgagctga ccnattcagt taaatnaaac agacnttatt tntaattntc cacatantca 420

cagatcccag aaaacagagg tgaaattggt ntcttaaact gacagtgcac cgaatcattn 480

caaaccttca anttctttgt aagtttgctt agagcatgat gtcat 525

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<210> 3113
<211> 477
<212> DNA
<213> Mus musculus

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ctaagaaanc aaagaatgaa aactcagctg tgagaagcag agtaagtgta ttgcaaatag 180

gaatggagac atctgaagac agaatgagag cagagggnan cnctncctna ccnccatntc 240

cgaatcaagg gganctgttn tcaaaagctg aatntcgcaa tagactgtag aaacnntcat 300

gggtgcatgc tcatagttga ggttcctgta tccattttgg gaattcagtg tttatanaat 360

aggtggaaga cacctataac cccancnaac tgaaggctga ggcaggagga taaggatcac 420

tgagggttca agactnttnc tgggcaacat agtgagatct tatctgtttc accacca 477

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<212> DNA
<213> Mus musculus

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tctggcactg cttggcaccc cgggtattgc ctgctgcatt tgcagcccag ccagccaagc 180

accgccggct aggagtcaac tcccagagct ctaagtcttt gtggttgtcg cctttgttcg 240

gagaaacaga gtgggtgtgg atcccgtgca agcaagcgcg cccagaagaa attcgcctat 300

aacactacgg aagctgggaa gttgaacttt ctctgaaagg tagaaaaata aagtcggagg 360

tctccggctt cctggaagca aaagccactg cagagaagtg agatcttctg gatttctaaa 420

gacacgaaga gaaacgggct tacacaggaa ggttggtgac agaaaggaga gaagaggatg 480

atctagagat ggacgcttcc aagtggcatc cagtaggttc tttctag 527

<210> 3115
<211> 424
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<213> Mus musculus

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cagttaagca ctcagttaag cactcagtgc ttccttagcc tctaagcaca gccacttgat 180

tttgaaaatt aggaagaaac cacaacatct gggcctttat tacttttaga tcttactcag 240

tcttcctgtt gtaatgcgga gatatttaag tcaaaaaaaa aaggggctgt agagatggtg 300

cagtggttgg ggcactggct gctctatcag agtcaattcc cagcatccac acactttacc 360

acatcctgta actccattgc caggggatct gacacccttg tctccatgag gacacacaca 420

tttc 424

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atttcttttc tatttaaaag ttgaactcaa aacaaatttc cccggatctt ccgattctgc 180

cccggatgcc agaagagatc tctgcctggc tggtacacac cgcccagatg acactcctat 240

ccctgatttt tgtttttcca atntcttgtt tcttccacct tcggaaggag aaatgtgaaa 300

ctcgtcatgg ccgncccaca cgggcttgtg gccccagccg gctggcccga aatcccgtga 360

cctggtggtt gagtaatntc tttcggggac caaattttct agagggaact agagcacttt 420

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tattggtgtt tcatataggc tacctcaaat ctatctgaaa taagaggtaa gagtnattna 120

tttacaactt actcattatc ttaaaaatgt taccaaaggt tggnaaactc atgttatttc 180

ttctgctttc cattctttct ggttctttca ttcttctcca tttttgattg tttggtcatt 240

tcttattaca atcttttaat ttatgtatta caaatacatt ttttccttaa caaaatttta 300

tgaggaaagt ttcattttgt gtttataaac catatataca tatatacgta ncaagttttt 360

ctaatctcaa tgagaa 376

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cctgctccaa catgagactc ctccacactt tgaattagnt tgtgttcctc tcagcaatgc 180

aagaaggcac tggggaaatc tgccaaagga ggacatccta cctgccctct gagatcatgt 240

tacatcaccg atttgcagct ctaatgactc gaggttccaa aggtgagtat caagtcaaga 300

tggagaattt tgacaagact gttcctgaac atccaacacc tgtggtctct aagagtccac 360

acaggactga cctagatatt catatcaatg gacaaagcat tgacaatttc cagattgctg 420

aaacagggct gacagaataa gactcatcta caccgtccta cttcttaatg tatt 474

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agaggtctgc taaatcagtt gtttntgccc tnatcctcac gccttnccta nttnctnttc 180

ntnttnttct angtntaacn tttgtanant gcctcacggg gagcacggtc agagcacatt 240

taaaggtttt tgcataggag ggaaactgca caaatcagtn ctcccntgg tcaanacctc 300

tgccnagtna gaacctganc tcatagaatc aggacacagt tgtttatncc tttttgtgac 360

caaggtgatt gggaatggan tcattgcagn ccagacttag gacttgctaa ttgcagaaat 420

aatagttgaa taccatggga ctctggacct tgaggtcaat tcttgaggtc aggactncag 480

acgtcattgc tnccaatggg ttttaaagga caccatctag ctaccacttc ctccccggtc 540

ccagacaaca agattgaat 559

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<223> n is a, c, g, or t

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agcctcctga gtacagagat aacagtgtat atcaccaacc ctggcattaa cataacttgt 180

aattaatata ttctcagaca gtttaattta tgtacacaac atacactgac tgccctcatt 240

cccgcccatt tctgatntgc ctgccactcc tgctcaaccc ccttaccccc aaaagtctaa 300

cgtaactttt ttaattacag ggaagtaaaa ttaaacattt taaatgttta ttttgtgtat 360

gtgacatgct gcactttggg agtctgctct cagcacaaag gtctagggaa tcaaactcca 420

ggctatcctt ggtggaaggn ccttttgcca ttganccatc ttgctggtcc caaaagaaag 480

<210> 3121
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<212> DNA
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atgcgttcac agcattgtat gtgatgccgt acacatgctg gccttgggaa aagaatattc 120

tagggcagtc atgtgtgtat ttcttaggcc acagaagtta ggaagcaggt gtaacgttac 180

cctgagtgtg agagcctgtc ctccgtctca tcgctcagtg acctttcctc tgtaactcca 240

cactaaacct caaacctcct cacaagtcag ccagcacagc aagtcagtga tggtaagtta 300

cagaagagag tctggcttgc tttccctcct cagtgttgcc cttcacaatg atcactggtg 360

accatattgt tggcattgct tattcctata gat 393

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tccatggttc ttgctgataa ggggccacga gggtcttccc tctggttgtt tccaaggcct 180

ggggaaagtt gttccagaaa aaaattgctg gcattcttgt cctgaggcag ccagcactgg 240

ccactttgtt gtcataggtc cccgaggcca tgatcagatt acctcctctg taaagagaat 300

atcttgagta ttgtatggga tgtatcacat gtcaattaaa aaggccatgg cctatggctt 360

aggcaggaaa tagggtgtgg aacatccagg agaagaaagg attctgggat aaaggacact 420

tgggaacgtg tggcagtggt acctgagcac aggtaattag ccatgt 466

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<212> DNA
<213> Mus musculus

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ctntcctaga actcacnntg tagaccatgc tgacctcaac tcacaagaga tctncctncc 180

tctncctcct cagtgctggg attaaacata tgtnccacta tatctgacta ggatctagat 240

tgaaatccaa ataaaagatt aatgtttanc ccttttttgac taatcatcct cagaataaac 300

at 302

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tcaagagaaa aagagactgg agctagcatg tcaagatagg tcaaccctgg gcgactcagt 120

gaaacgtgag ctgaggtcag aactggntgg catagagcaa agtcacacat ccgcttacaa 180

agactcgagt cagtgcaatg ggaatccaaa ctgtgggagc attgctgctc tgaaatctgt 240

gatttcaaat ccaantgnnn acttgataaa ctctnaccca gttcatnatt cagactcagc 300

aaatacagag cnagcctatt tatnaganag agagagagaa acagggagag aaaacacaga 360

tactgaacca agtatgagtn gtataaatgg gaaagctttc ctgtgtgttc ctgaagggac 420

aancagtacc ctcaacccta ctcaaagtga cagaagactc acatttcatg gagcagctca 480

aanccagtta cctgacgact gtgctacaga ggacagtaaa tgtgctacag tcacct 536

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aaacaggttc agacaagtac atggtcacct ccagtttttt tctggactgt atttaattgt 120

tttgtttgtt tgtttgtttg tttaaacttg tctaaagaaa gctgcattta aaaggatgtt 180

tctatactaa acaaacagac acagcctctt tgatcagatt aagtgaacag gtggtcctgt 240

gactaaacca ttagatgaga tagaactggc tntcaanntc agttntcttc atagtgntta 300

anaaaaccct gnggcntcct ctctacctnc aagnaaatca gttnggcagn atagtgttca 360

gttgaaagag nccaagtgnt cagatgcatt gatgnacagg gatagtgtag gtttctaagt 420

atgtgtcagc gttcagtggt ccatggttgg tatgaaatcc aggcacttga acactagggg 480

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acngnnnncc nccannnnnt ngacctcnnn nccctcaang angcanctcc ctccagacnn 120

nnntnctnct agnnatntac tctnccngna nctnccactn nccactntca ntgggtgncg 180

gaggatcatc ctcacgttna cctgatttca gncancccct acagagaagg gggcatgttt 240

acntctntcc tgatccacct ggcagggttt cctgggatca ctggcttagt aaaaagta 298

<210> 3127
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<212> DNA
<213> Mus musculus

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gtgctgaaaa tataatggta ctttgattat tttgaggatt tttattttct tatataagaa 120

gaaaatcatt attgtctctt ggtattgcat atttaactct cagtggtatt tgggactgtg 180

gaaatgtctt ctttgtccca agaggaacga gagtggagtg attcccacaa tattgtatgg 240

tgtccacaac actactggga gtccaagtgg tactggggag ggccagtcat gtgaaacaat 300

tagggtgctc tcaaaattgc tctggtagaa ggtatttctg aaaccgagtc tttattttga 360

tctcataaac aacatgggac gggcatctac catgaaaatc agtacctatc catagtactg 420

tgcttgaggg actcgcctac atcagattag aa 452

<210> 3128
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<212> DNA
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taggacttgg ggtagtgtct ttgatcactt aatcctttcc tttattatca acaaacagtt 120

gccttgccag gggttcagcc gcttaagctg ccttttctgt tatcatctga atagactaat 180

ggggccactt taataccata tattaatgtg aatcattaga attgggaaaa aactagcttt 240

tagtctggct cctngactag aaaactgaag aaactgaaac naactgattn ntntatattc 300

tntcttaaag tagtttataa atttnatggg aaagcttacc aggaaagtgg aagttgtcac 360

tgaaaatatt tttttaattg ttgtgatttt taactggttc tttttntatg cngggtancc 420

attttnttca ctgaaaccgt cattatgcca tcattcttga gtttaagntc ttttaatcat 480

ttacaaagat ttcattagga atgtctattt agaagacatt tttcctagca gctttt 536

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<212> DNA
<213> Mus musculus

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agataggtag gtaggaggta gggaagtagg taggtaggta ggtatctctg attcaaatgt 120

agtcaaatat aggcaatctg aattctaact tatccacgac tactcagacc tgagaactgt 180

tacctgatct tatgctaaat aagaagggag tctgtctgag agttgctgag agggctgctg 240

gtttgtctgt cttaagtctc ctcaaagccc agcaggagcc cttccagaac tagatggtca 300

gtggctgtgc tggaggaggc cctttcagg ctacaggcag agaatgacaa tgtcacacat 360

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t 421

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaagccttac acgtgtaaca tatgtgagaa agccttcagt gaccattcgg cccttaccca 120

acataagaga attcacacga gagaaaaacc gtacaaatgt aaaacctgtg ggaaagcttt 180

tatccgaagc acacacctca ttcaacacca gaggattcac acgggagaga aaccttacaa 240

atgtaacaca tgcgggaaag ccttcaacca gactgcaaac ctcgctcagc accagaggca 300

tcacactgga ggaaagtgat agaaaggcag ttaataggtn ctgaggggat gatgtcatta 360

attattgaat agaagagagt acataatcac actgaantct tttatcatca tggttggatt 420

tactcggagc caggttgcct aatgctaagg ntcttgagaa tcttatgaat ggtgaacaca 480

ccttantctt cantctgcca cagttggata gtagtgcctt tttattggcc tgaat 535

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cataagaagg aatttttaga aatgggtgag agttgttacc aatccactgg tagaaacagc 120

aggtatcccc taagctcatg gacccaacaa aacttctgct ggcttccaac attcagtaca 180

ggaaacatct gttaagcagg ataaagatct aaaaaatatt tgtaggtagc ctagttgagc 240

tgaacactgg taattcattn gacntngacc ctgnatcttt aaancccccc tccggtcaaa 300

gtttganact ttggactgtc ctnnacnggg ggctntgggc tncnggctnt acacaatgga 360

gtccatnatn tntggggctc tncaatnagc nacctaagca ttccgacaca ctacccctgg 420

ggatcctccc ttctgctggc aagggaactc aaggtatttt ntgagatgcc agggcattga 480

ttcaatga 488

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccagcttncc agaggaggaa tgntcagant cactgcttca gaccttgcta accagacccc 120

ttcctcacaa tgantctttc agcccttacg taagagcaag ctc 163

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anangnngtn atngcctgtg agaatggttn gcctgtccac ttcgatgagt cgtttttcag 120

tctatagtca gcaggcccct ggcacagacc tagctatgtt ttctttttat ntcccntcat 180

agcccagaac actggttcca tcgttcattg tcaggggcca gaaaaacgaa ctat 234

<210> 3134
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<212> DNA
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<223> n is a, c, g, or t

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anangnngtn atngcctgtg agaatggttn gcctgtccac ttcgatgagt cgtttttcag 120

tctatagtca gcaggcccct ggcacagacc tagctatgtt ttctttttat ntcccntcat 180

agcccagaac actggttcca tcgttcattg tcaggg 216

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<211> 268
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ggctggggag ggcgccggga tcccctcagc ccacgcccgg cattccccgg gctccacagg 120

gttcgcgatt ctctctgtcc attntagatg ggcaggtctg agcccctccg gggtctgtcc 180

tgcctttgcc ttgctctgcc cttcccgagc tggcactgct aggtgtccgg ggtgtactca 240

gccgggaccc agaatgtccg tgctccgg 268

<210> 3136
<211> 491
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agggtcggca ttcagggcct tgctcctgtg tcgtgagctc taccnctaac tccaccccag 120

ccctcaggtg gttcttaatg gaagggcagt aaagagactt caaacaagta cgtccttaca 180

ttttttttt tnaagaaaag aaattaaatc attgttggga tgtttttta aagccaataa 240

atatcatttt atattagcta actcctaaca gaaatgtaaa gataagcttt ataaaatatt 300

tttgtcatga agtactatat accaatgatg aatcttttgt gaagtaaatg acttgaattt 360

gtcactgtgt agatagtgag atgattgaat tctgtatagg ggtctgagca gttactctng 420

ggnaacagca tttcctntct taatttgata cagaatcaga aattagtaga aaatgctgga 480

catggtggtg c 491

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<212> DNA
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<223> n is a, c, g, or t

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tcttaaaagt cacctgatta ttaaataaca atgtttattt ttaaaactaa caatgtgttg 180

tgtcttatta cacattacac agtcctaaag gtgcggctct gatgtctgtg agctgtgggc 240

caagtattct gttttcagtt ctatagcaca gaacagtgat tagaaatgta aagagatacc 300

cacatcaact ttctgttttt gtttttccaa ctgattcagg tgtccattga atgacgtatc 360

tcttaaatgt tgggggagtg gtgtntcaga accagttacc tggcttctgt tttgtccata 420

gctta 425

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<211> 464
<212> DNA
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<223> n is a, c, g, or t

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tgtaaagact cagcaaagtt tatgaaaaag gtgcatgctg cccatacccc acagaccagt 120

gcccgggagg ctcatcttcc tgcacgctaa ccctgcctgc ctgcagccat ctgcttcaga 180

ctgacgatgt ggcatgtgac tctggtcctg gtgagggatg ggcactgggg ggcccctcca 240

ggcgtcagag gccttcattt tcaggggggcc ggccgaggaa gtgtgaaggn aaagctgaag 300

gggatccctg tgggggntgg gaggaagaaa agatgntctn cccggatggn tctcagaggt 360

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atgtgtctgt tccgtgttcg tgtgtctcgt tgtggtagca ttaa 464

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<212> DNA
<213> Mus musculus

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<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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gcactgtata gtgcaacact cgcctggctg gagcctggct gtgctcactg ccacccctgg 120

ggtaccaccc caccctgtcc ccccagtgcc ttcgtgcatc gatgtggacg cacagcccgc 180

attggccacg gtggcagtgc cctgnnnntc cngnngccca tggaggaggc ctacatcaac 240

ttcntggcca tcaaccagaa atgccccctg caggagatga gcctccagag aaacaccata 300

gaccttctgc cgaagctccg ggccatggct ctggctgaca gagctgtgtt cgagaagggc 360

atgaaagcct ttgtgtcctt tgtgcaggct tatgcgaagc acgagtgcag cctcatcttc 420

cggctgaagg atcttgactt tgccgggctt gctcgaggct ttgcccntgc tcaggatgcc 480

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cgacaccatt ccatttaaag 560

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<222> (308)..(308)
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<222> (310)..(310)
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<220>
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<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

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ttgagacaga gatgatgatg gctttgccta tgtgttgcct cccggtcgcg gtgtcgtgtc 120

tgcagcagtc tcgggaaaag ctatcctagg gggttacaat cctccatgat tgggtaatag 180

aggcttaagg aacagtntca aagccaggct tgccaggggt tggctgtgat ggagttcgtg 240

ggggnttgta ttacgaatag cccttactnt cagtattttc aatccactgt ggtttttatt 300

gaggctantn gtnccnagac tcttagctga ggaccgagga gataaaacta attaagtatg 360

cagaatagtc cctgcccacc aggagcctgt agaggttcta tcccca 406

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actgtctagg ctgtgtgtgg ctcaggttgc cttcacttgt gtttactttg cagtcctggg 180

gatgatcagg gtgtgtgccc acgtacccat gtgtgtgtgt gcccacntan ccatgtgtat 240

acccatgtgc caatgtcact atttcccaag nanggctggn gtatgnatga aatacctcct 300

cccaacttct ccctgcnnac antcngaccc aggcantntc tgctgcctct attgctgcta 360

tctctgtgga agtntntgaa gagcaagagg gtagagancc ttccttgtnt ctaccatgtt 420

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<223> n is a, c, g, or t

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ctctccttca gtctgacagc agcgcttttt tctctacttc ttttttttctt ggatgctcgt 180

ctctggattt ttggatcttc tgtccttcag ccgtggaaac aggttctctg tactcttggt 240

ggtatgtggt attgctggtt tttcatactn tngactccgt ngtgcgtttc ttttgtaatt 300

cttnttttgt atttttctng gggttttgtg acaccacact nctaatccca cagtggattt 360

tgatgggtnt ctnaggggat ctatccagag gtcctcgagc agtgattggt tggctcttcc 420

tg 422

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ctccagagaa cagaggtgat gaacatgagg aggactggag tnttcttccc ctcaggggtn 180

tcagaggttt tntacaaacc atcttttatt ttccctgggt cccagtaaac tgggaggagt 240

aggttcttgg tacttaggac ttaatcctat gtttggccat gctgctgccn aactcantcc 300

cctcctgggg gctgacccct gncccacatt cccgacaagt gggtcctgca cttgctgagn 360

tccccatcat gggggtaagg aagggagaac tgacaaaacc ctntgatgta ttgagggtac 420

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ctgaatacat tgctgtaccc aggatcacag ccacatatga agagtatgtg aaggtccatc 120

acttcccctt ggaaactgtc acaaggctct gccatgagat gtgttcagct tgctgagttc 180

tttctactca agatcagttg cctctgcaac atactgtcta gttttgccta aaccaaagaa 240

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gtnatactca anccgtgcca tatnanatgc tctgntacct ntctgagctg ncanatagct 120

ccntggaatc cattgggctc cattggcgac aagggtctac agcaagtgga gttccgggct 180

gcaggctggc gctgctgtcc tgtccctccc tcccctgtaa catcagcagt agaagcaaaa 240

agctattctg cattctttca gatgccccag caagctagtc attgctgacc ctggaaatat 300

aaattancng cnggcagcgt tnccnttctt gaaatnagag gnccaaaaag aatagaggaa 360

agaaacctag gcacgccggg gaattntcct taatttgatg acancagcga taagtgcacc 420

tatgaaatgc tctttggaag agggatttnc aagttaatta ttaaagacaa nccttngggg 480

ggtttccttg gaacttacaa gtaacggctg cctccatgct ggaggctcga ctctttgag 539

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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accaagttct ctctgacctg gggtgttttc actcgtgtga ctgcttaatt gagtnaaacc 120

cagatactta ccttgttatc aaaaacttaa aatatctgan cccatcctct ccctttagaa 180

aaaatctgga ttaaggccca gtttgaccat ggctagcata catctgtta 229

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ttcttttaaa tgaatggcct ttttgttaat gaggggcgac aaaacatctg agcttctgtt 120

gtgtgtgcct cttcaggcag gagtgcaggt ggtgggtcag agggtacctc tacaaagagg 180

tctggaggcc tctggcaacc acagatctag aaggtcaaca aagggttaaa ttcagcctca 240

gtggggctgc tgctggggtg atgacctcaa acctggatgc gccatgtntt ttacangaag 300

attttagagg ctcttaaaag actcaggagg cctggagtta attagttgta tggcttgggg 360

gaaagtaccc tttntgancc tcagtttntc tacccntaag atgagacaag agttggacac 420

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agacactttg aaaggctttt gacctcctta tgc 513

<210> 3148
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tctacttgag gccggacgtc cagcaacaca tggggcgccc cggaatccag aagccgcttg 120

tagtcggtca cagaaatccg ctcctcgggg cacagcagct tcagggcgcg gcacttgtcg 180

gtggccgagg agccgcagaa ggcctcgtag tcntgcaggc gggtcacggt gggctgctgc 240

ccgcacacga cgcagtcagg ccggcggcgc cgcagccgga tccggcggaa gtggcccccg 300

aggccgtcga agagcagcat gctgccgctg taggaggagc cgaggccggc ggcgatcttg 360

agcacctcga gggcctgcgc gcagcctagc acgccgggca ccgctccgag cacgccgccg 420

tctgcacagt tggtcactgt ctccggcggg 450

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<222> (290)..(290)
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<223> n is a, c, g, or t

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acggccaaca aaagctctgg tcaagagtca gagtctattc cagaatatac ggctgaagag 120

gagcgagaag acaaccggct gtggaggacg gtggtcatcg gggagcagga gcaacggatt 180

gacatgaagg tcattgaacc ctacaggaga gtcatttctc acggaggtac tcaatctgtt 240

cgagtccagg aaatgggagg anccaactct agttttcact gggaaacaan tgcgggtcca 300

gttgagttct cagtgcttag aacccagagt cattaaaaga ccnggagtgg cngcctatcc 360

tctaccgagg ctctgactca tcttgttaga ttcagcctag tagttacttc ccctacgctg 420

tttgtttacc tgtgagccac attaaatttg gaacagacaa aagctaaccc ccgtcaaaac 480

ctccattttg gcaagagacc cagcagaggg caaagtgtgt cttgtatttc cagtgtttta 540

cctgggggct ccgggcaccc atgtggcttt gatcaattg 579

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acttatggga gaaagggttt atttgggtcg cagacaaggt atagtccgac aaggtgacag 120

gagcttgaag cagctggtca cagggcagcc acatcagaag acagagtggc ataggaatgt 180

gtgaaactca ctttctcttc ctactcaccc cagaaaccca agcccaggga atggttctac 240

caacttttag tctgtgtctt cccacctcag ttagccaaat taagataatc ccngacagga 300

atggccagag gntcatctcc cagtgttccc agatccctcn cagttcgtaa ttaattntgc 360

agctcagctt gcccacagga gcaggaatng gtgggaagnc cnccagcaca ggntctttta 420

ttcttccaat ttgttgttcc tgctggaagt gtatagctgg aatntggtag tttatatntc 480

aagaccagcn ttctacacag acccttgctc caaaaa 516

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcatttctgg ggatccaaac tccggtcctc agtgaaagtc tctgcccatt gacctctgct 180

ctccagccct gggaaaatgt cctttgtagg atatttttt tttaaattaa aagtatgnta 240

cttcattttn aaatnttcat caccatgtaa ttttgnaatn nnntcnnnct tngntttatc 300

ctttctggtg caaagcagtt ttcnatccna tgaganatat gtttnccttc atgnattagg 360

atcagatcnn tcntgtttag ggagtcattt ttactttaca ttttcctatt ccagtttcaa 420

agcacttatt accnactctc tcattttcca gacaancaaa ttagagctct gagagattat 480

aggcttgccc atgattacat agctccttag tctgatagct gcagacctgg aattaaaact 540

caggtttttt cccctaacct agttctgatg at   572

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<212> DNA
<213> Mus musculus

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aaacatgtct ctcttttgtt taatccgttc tgcctagctt tttaaatctt tcaagcctca 120

gcccaagccc atccatccca gtaaatatat tttccgtggt ttaatttacc cttaataaga 180

ctcagggtat attacaggtt tgtttctgtg tgtaaacatt tcctgccggc tttctctcgg 240

cattgccagc ataggccacg cacactgctg cagggacatc attgccacgc atgcgctgca 300

gggacagcac cactgccctc cctgctgagc tcacgtctca gcatctatca cgtgctccgt 360

tttggcttct ctggaggtag aaattccgtg acagcttgtt ccaaggggga tgcatgctgc 420

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<223> n is a, c, g, or t

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atgtgaccct gacacttgag aagggaggcc caggacatct ggggccacac tgggtgaggg 120

aggaatctca ctgcctgtcc tgggcctcag ttctcagaag cagccctcat gtcccatgcc 180

actttggagg tatggagttc aagggtctat cccacagcaa cagcccctcc cactgcattg 240

ctcctggcac tagggacccc actggccgcc tgcccaccct gcttgctacc cgcctgtcct 300

tgctctgcca ttccatctga cttcatctcg ttgggttttt ctttctcttg tcanggctcc 360

ttcgttcatt tgtntgttct ttctctcctt ctctccctct ctcccttgc cccccccccc 420

ttttttttct ttctctcttt ttgtcttctg ttctgtgtac ccaggcaccc cattgagtaa 480

cttcttt 487

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ctctctgtcc ttttgttttt aaacctcatt gacaccagga atgctaattt tccaaacatt 120

ataagcaaac attcaggggg tagggagcac cacattaaaa cttccacgcc aaaggcttaa 180

gtttccatct taagtttcta agcatgctat cccagtgtct atgtgaagtc cccagtgtct 240

cccatgattc tcctgctaat catgatgggg acccagcact cagcaaggtc ccaccctctc 300

tccataatca tacacaagta tgcgcaaacc cagctgagca attatgaata attaaatcaa 360

ttagagacag tctagcagga gggattatgg tcgttcgggt gtgggcctct gtaatatttt 420

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ttcagaaatt tattagaaaa ctagaagaag gcaattggga gcacttgctg ttcttggaga 180

agacctgggt tcagtttcct gtactcccaa cccttccagg caatccatgc tgacttctgg 240

tctctgcaac catcagatgc acatgccata ctcacacnta accagnnttn nnacactcnt 300

acacattnna agtnnnaatt agtcnatctt ttnacaattc attagcacag tgattntaca 360

tnatagtggt tttcactctg atgttttcat atatgtgnac atgagatatt ttgattgcat 420

aanccccttca atcagctctc acacctgctg accacatcct ctncctcttt cctcttccca 480

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tgggttggca agcccacttt tctgaaatgg gaagcaatat acccctaact gggccatntc 180

tccctggctt tggtcctccc tctagatttc ttatccacca aagctctgaa caggcaacag 240

agagggaacc ctgcagcagg aaaccncaac ntcaacaata gtaactaacc attgtncnaa 300

atntctnata tcaacccatt tggttntcat cacanccctn caaagtaatn ttgttatntc 360

cnttttatac aggaggaagt ggagacacag aagggttaag agatttagct atgggcgcta 420

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actgtgttgn aaatgtcctg caanctncca ctgcaagcca gccctcccct ggggctgtat 120

tttgctgttt tgtgatcaca tttatcaacc tnaaatacaa ataaagacag aacatagtat 180

ttactaaaac aatgaaattt tcantttatt gaatgacaaa tttttgctag atattttaga 240

tataagtatt ttggctacat tgattaattt aagtgagtct attaggcatt ctgatattta 300

acaagtctta aaatatttat agaaaataaa agcaaattgg tataaatttt taagcaattc 360

tatttttcta gagaagatta gtgacaatct gaatatgtag tatt 404

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tcttaaaata caattgaact gaagtcaaat gaataaaaat attttcactt ctaagaaata 120

acgcatgtac atgtgcatac atatacactc tccacaaatt ctancttcta tnaaatcatg 180

taatttctnn aantntnttc atcanacagg ctacagtttt tggtncctgt gtccatatat 240

atggcatgat agaaatcata gtatattgtt ttcaagttta caatntctgc ttttcggagg 300

aataactttt aaaataactg ttctattttt ttagcagcag ttttgacttt cactattttc 360

tgtatcttat tttcaagaaa atgttgactg gcaactttaa ataaactt 408

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atctantcaa tctgcgnaag gactttngtt ttttcccacc ttttgaccat tgtgaaggag 120

aatatataaa cattgcacat tgctgtacaa gtaacttttg tttcccctct ttacggcttt 180

gggtatctgc ccagaagcga aactgcctag gtacaggtac acccgatgtt tcatttttg 240

aggaccccat cccccaaaca cacacaccat cacctggcac agacacgcct ttttacattg 300

ccaccaggat gtgaagggtc caacttcctg caggccttgc nagtattgat tgctntcctt 360

acaaataaag aataaaaann ttgaggctga atcttaacaa caggatgggg actggtgcga 420

ccataagaac ttancaactg ttcatttgtg cagtctgatc acta 464

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<222> (145)..(145)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tnttccaagt nagaagacag caggagataa tatccaccat tctctggctg ccttggaata 120

taatgctgcc tttgtggccc ccatntntgc tctgcctcct gacaccaggc cgacttctga 180

cacacaagcc ttctgtcaat gccagggaga 210

<210> 3162
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aagtatgtag taataccaga cctctaccaa ttttttctat ccaaacttaa ttttagagtc 120

tctatctttg ttgggggctg gggggtggta catacctta atcttagcac ttgagaggca 180

gagggatccc cgagttagag atcagccttg tttatttcaa caaaactttc taatttctta 240

tctgggctgc tggtcttgat tttaagctgc ttaacagtaa tatttttctt gagatagggt 300

cttactatgt ggcctgggaa cttatgatcc tccngcctca gcctccctag tacnagttag 360

tgtgcatcct aggccctnat natcaantct gccttnattt agttatctcc cttatatttt 420

aagtcaacat ggtcattact ttcccattta tcatcttana taactntctt aagtagtaat 480

gcacagtagt ttcagacctt ag 502

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccttcttcat agtacagttg ctaaggagga gattgcagta ccaggatttc aggtgtggca 120

atccagctaa actgctgaca aggttctcac tatgctaaac taccttccca ttcctatcnt 180

gggaaaatgt tttaagacac taaatattgg gtaattcgnt atacaacact agtcagtaga 240

agatcnggtt gtgacttttg tgttgtttac tttntagttc ctctttctca tgtcttcttc 300

cttntacctc ctcctccctc cctctctgat gctgagaact aaaactaggg tcctgctcgt 360

tggtatcagg aaccagcttg ccagattgcc tctgaaccca gtgatgtcac ccatagggaa 420

cagagacatg cacatctgtt accatggcaa tcacattccc ag 462

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<223> n is a, c, g, or t

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ccagagtccc tgttccgata tcatcacaga tagcctgttg ttttccacag aggagccaga 120

tgtaagtcag acacctccag cctaccagtc tcctgccatc agctttggct ctaatgggct 180

cttggtggcc tccttggtgt gtcactggta caggacagca agtggctcag aaaggctgct 240

tgctcctgag ctcagccact tattcacatg gttcagagca gatctttgta ctcttcagac 300

tcaagtatgg tgatctnttt gacagtagag gtctggccta cccctcaccc tcattctcca 360

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<212> DNA
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gatgacttct ggtggcgact gccaggacca ctctagacct gagtcgagtt cctcaccgtt 120

ttatcccgat tgttctgcgc ggcctgtccc gccaagccct cggccttctc acaggcagag 180

agcaccaaag gacacctttt tgcggttcga cgacccggtg tgacggtgga tgtgagaatc 240

caggaagaag atccggttgc attgctggga tgccgcgcct gtccggccac cacctccgca 300

tggaggctgc gggttcctgg ggaccccacc tagttcggtg cttctctctc cctttactct 360

cttggcgcag cagggacgcc cagctggaaa tcaaagccgg gcgggaggga ttctgaagac 420

gctaggggac atcagggacc agaatgaggc taggcctgga ttcatcgccc gggacgcggg 480

agccacgggg agctgggcgc aggcactgct ctaatcgccg accgctatta aaaa 534

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tggaggggcc acgcagtaaa tatttcagac tttgtaactc tgctcagttc tgcatttgta 120

actggagaac aactttgggc agctccccaa tgagtggatg tgactgtgga tcaatcaaac 180

agaactcttg ggggcaggat ggctcagaag ttaagatcat ttgatgtgaa attacgagca 240

gcagatccca gcaccgtctg tgggacaagt ggaccatgcc agcagacaga agaactagta 300

aggttgagca ggtttaaaac cccagggaat cttaacattg agaatagcag gcttggaaac 360

agcttcctgc caagctnttc ctntnctgga acaggtaagc atgacacccc attgagagga 420

cctcaatcac atagggacaa cacctgaant ccttccccac acaaatagag catgcctaac 480

atcccagact gagctagcac naagcatcta actctggacc cctccttatg cctggaatgt 540

at 542

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<211> 461
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aggactgcat aaagaaggaa gagacatgtc ttggtatgtg acactctcta ggtcagactc 120

tcctaactcc aaaccataga ccccaacctt gtgaggggac cctggttcct acccaggtca 180

agttccaata gctggatgta ttcaaggagt acagttgcac atgccgtggg ctctgtgcaa 240

accagcagca tgaggccact ttcaacagtc atttcttttg ctctctccta gattggaggt 300

ttgggaaagt tggggtctaa ctagggcaaa atacaatttc ctgtttgcat tggggaatta 360

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aacatcttag ggaggcaaaa tacttcaagc acttctctcc t 461

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tcttaatgat actccaccct tcctggtcaa aagaagccat 100

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<212> DNA
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gcagggtgtc ccgtcctttt ctgtctttat gcaattgtgc tcttgagtat ccttgtctcg 120

ctgaaggcac tgatanccca cacctcaagt gtgcctttaa gcctgactga gtatttctct 180

atgaggtatc ttggaggcat ttttctcctc ctaaaataag ttccaacaca tgaanccaac 240

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tcacagtatt ctgaggcatg acaggtacac ccctctatct gtacagttgc ttg 353

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<223> n is a, c, g, or t

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gaaatctaac tctttgtcca aggctagggt ggcaatatag aacttaggtc acccagccca 120

agtatctcaa ccagttcctc ccatcactca gttcaagtac ctcatccagc tcctcccatc 180

acttagcaca agtactgcat ccagctcttc ccatcaccca gcccaagtac ctcatccagc 240

tccttncatc accctgccca antactgccc ccagctcttc ccatcaccca gcccaagtac 300

tgcatccagg atcacccaga tccagggtgc ctgatncagc accagagttc tcattctcag 360

natggtctng gctgattnaa tgttctattn ccatcctntc ttaaagttct ttactctcag 420

ggttggagag aaagctnggc tgtncaaaca tnccagtgtg tgcttntcat cntctcagca 480

gtagggaggc agagacagga ggctcccggg tctcact 517

<210> 3171
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (330)..(330)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgaaaaataa gcccacctat tggccatcgg agttactgaa agatgctaaa cattgatgtt 120

aaacttaaaa aaaaaataca atttgtttct ccatttctca tgtcagcaag gagatttgga 180

actgagcctg cagacagggc tccccactac ctcgttgtcc ttagatagga gcaagacacc 240

ttaaaagtgg gatttctctc catcctttcc ctttccccgc gtaaagaacc tcttgatgtt 300

tgtgattgat tgcatngccc aaatnctgan atatnaacga ccttcttgga ctgaggaccc 360

aaagnnanga aactgaaacc nantcnntca tcacaattna agactcccct ggctttaatt 420

ancctgacct ggggtatatc tcccggttgc ttgagttaaa gagnnaagan cccattatan 480

tccantctga gaccgatagc tacttaattg 510

<210> 3172
<211> 229
<212> DNA
<213> Mus musculus

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caaggctttg ctgaatgtct catccgcctg ggggatggca tgggtcgagg aggcgagcta 120

cagactgtct gcagatcctg gaatgacttc cacgcctgtg cctctcgggt cctgtcaggc 180

tgcccagagg aggcggctgc agtgtgggag tcactgcagc aagaagctc 229

<210> 3173
<211> 354
<212> DNA
<213> Mus musculus

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<222> (289)..(289)
<223> n is a, c, g, or t

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<222> (292)..(292)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acagtgagca aaaataggcc atgctcttgc ctcttccagc tggtagaaaa ggagaattag 120

cgtttttgtt tgtttggttg gttggttttt ttgcctttgg cggttctggg gatggactgc 180

cttctacttg ctatgcaaag gctctaccac tgagccatac cctggctaga agtaagaatt 240

gtgtgtggat gcctgtgtgt gtgtgtgtgt gtgtgcccga gcactcatnt gntggctgnc 300

cagagtttna tatntggtat tcacctnatt tattcataca tgttcttaca ctga 354

<210> 3174
<211> 230
<212> DNA
<213> Mus musculus

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tagcaccagg attctagatg agctgggcat tttgtctctt ggctgcaatc ccagtcccag 120

gaagctgagg caggaggatt gctaagtgtt ctaggggaga catttgcctt ttaaaagtat 180

gtgcaaactg ggacttacta cctcagattc ctgtataaaa tagggcatgc 230

<210> 3175
<211> 495
<212> DNA
<213> Mus musculus

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<222> (116)..(116)
<223> n is a, c, g, or t

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<222> (136)..(136)
<223> n is a, c, g, or t

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<222> (153)..(153)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (380)..(380)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tattaccatt gtttaggaaa aaaacctgag cagaaatttt tatttttttt tttttntgaa 120

gagcattgct aggttntgat gtctagggat gcnaatttaa gtgataaaac tattaaaaaa 180

aaaactacaa ggaagtgatg cttctatcct tggggtcttg gaggtgttag ttttaattta 240

atttatgagc tcatacattt gtgtgtttgt tacctgggtt ttatatttta cataaaaata 300

tttttaagaa gcctgaatgt aatncagnat agaaggtgct taggttaagt taataatttt 360

caagataatc tgntttcctn tcacatcctt tnatcttttc cctgttgatt aaaaatttta 420

gtcattggtg tctagcttaa gggcactccc tgggctcttc tttgctaaca ggtttagact 480

tcttgcatca taaat 495

<210> 3176
<211> 290
<212> DNA
<213> Mus musculus

<400> 3176
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tgtcctgaat cagagtcata atttatttga agaccctgcg tcttctgccc cctgtgttcc 120

agagtgggtc cagcaggagc ttagtcatac cagctcctgg agtccagctc ttgtcgaaaa 180

gtggtttcct ttctccaacg ccagtggtgc tacttcagac ttgatggaat cattttggtt 240

gttacacgct gcctcacctg ataatgatga atcctccaaa accgaaagtg 290

<210> 3177
<211> 520
<212> DNA
<213> Mus musculus

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<222> (67)..(67)
<223> n is a, c, g, or t

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<222> (69)..(70)
<223> n is a, c, g, or t

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<222> (77)..(77)
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<223> n is a, c, g, or t

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<222> (383)..(383)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taatctntnn tacccgnttg taactttaag taaatgtnan gctcacatga acagagaagt 120

cantttgcct tttactcttc agagaatctt ctggaattac tcagaccaca gtcatctcaa 180

caccacatcc aaatacaggg aaggttccat atagcatatt gtattaactg aagtgcacac 240

acaaatctac acacaagaca tatgatctct gctcgtttaa caagacattc acaggcactg 300

aactaagcag aataaataag caaccataaa ncaaaggtct aaaacaatct tgtttctaat 360

gctcatttca agattcagtt aancagaaat gggaaatact ntcttgggtt taaaatgtgt 420

tgatacaatc aatttcaatt ttaaataagc ccgtgaactt tcgtgtatga agcccnaaat 480

ctatatgaat aattcacaat ttgtgaagcc actgagctat 520

<210> 3178
<211> 109
<212> DNA
<213> Mus musculus

<400> 3178
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ttggatgcat ctagtagtgt atacaagtcc cttttaagat tctggctct 109

<210> 3179
<211> 214
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggaaccagct gccttctctg tctccttgcn gttcatattt tcctcgggcc attgctgtat 120

gctctttgtg tcaggacagg aagagggcag gttggaaagg cacaattgga tgcatctagt 180

agtgtataca agtccctttt aagattctgg ctct 214

<210> 3180
<211> 152
<212> DNA
<213> Mus musculus

<400> 3180
caaaacctcc gtcttccatt ttctggtact ccctctcatc catgtccctc ttcccacctc 60

aaatccccaa actctggcct ctttcaaggg cccgttctcc cccttggaca gattgggggg 120

gggcggggga ggtcgccaga aaaccgccca tc 152

<210> 3181
<211> 490
<212> DNA
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<223> n is a, c, g, or t

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ctaacttccc atctggttag ctgttgttct ctagaagcta catgttgcta acctagaaaa 120

gtgcaaagtc ttagctttct cctttctcac ttcaagaaga agctctggaa caacctatct 180

ggtgctcaat tcacagtgat tcacttacac aggccacatg tcttgagctt cttggtgcta 240

taaccaatcc aatatgtttg atgctactcc tgttgctaat tcaagtattt tcttttttaat 300

tcaagtattt ttattttaag ttctgtcact aaagataatg tgatggggaa aaaatgtatt 360

tctccctacc attgccctcc aaaataatgg tgtgacatcc atggctaacg cattgtctcc 420

cccatgtttc tgcactgctg ctttaccacc tgattcccac actccttatg tatccagtga 480

gtacctcagt 490

<210> 3182
<211> 528
<212> DNA
<213> Mus musculus

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<222> (164)..(164)
<223> n is a, c, g, or t

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<222> (325)..(326)
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<222> (406)..(406)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atagtctcaa cattctttat gtttaggtag tagtttgtaa gatttctgta agaggtcctt 120

gtgtgaggag tcttacaaac ttatttgctc atacatactt cttntgatat gtaattccta 180

gatattctta gccttcatag ttagcattca gaaactatga gaaagcattt gaaattctga 240

gaaccaacac actgcctata gttggagttt attttgaaat gttgatctaa acaatgctgc 300

acctgtttta gttatttnat atttnnaaaa atacttttct tattattaaa tcactttgtt 360

tctagaaaaa tcagaagtta taagtaagca aggaaaagat actatnaggt aatttgatcc 420

ctagtacaca ctgtacatat cttggtatat ctttccaagt ggttttatgt ntcttgtttg 480

tatatatgta tattttattt tcacaaaatc tgatcatact gtgcatta 528

<210> 3183
<211> 387
<212> DNA
<213> Mus musculus

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<222> (38)..(38)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (94)..(94)
<223> n is a, c, g, or t

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<222> (113)..(113)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccagtgaact ccagagatct gtctgtctna tccnttctaa ttctggaatt gtnaactcga 120

atccttcact cattgattag tccttgtctg gatcacttaa agcctcaggc ctgcagttcc 180

cccaaccacg tggccttcat gtggagaagt ggtctctttc tcctccaaga gactgggata 240

gcctggtgca cagctaagca aatgcctctt taaggaccct tgcgaatgaa aagagagctt 300

ggagagcctg ctgggtaata ttgccacttg gaggctgaag caggattgtg agtttgganc 360

cagcctgggc tatttactaa gactgtg 387

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccaggaagac agaagttaca gctaatgcct cacacagata cagaattcag acgaatgcaa 120

gaagacattg gtagacaaga gtgcttactc tccagnaggt gcgacgaact ggtctcatgc 180

ctattaaact caacactggt gcagtgaggg aagccgtgga aagtgtactt ctctaggcac 240

cccagtattg cctcttcaag accctgcagt gtggccagnt ctgtgggcga catggacaga 300

aatnttaaag aaattgactn ttcttgctct anncngaggc ctccacatca tgagcctcct 360

tgagaagaat ttcccggccc caaaccaagc aaaggtcaga ncccancaca gntcagancc 420

cagcacaggt cagagcccan cacaggtcag agcccttgac ttggagaat 469

<210> 3185
<211> 296
<212> DNA
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<222> (103)..(103)
<223> n is a, c, g, or t

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<222> (232)..(232)
<223> n is a, c, g, or t

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tctccagcat gatgaacagc ttgtcccact ccngagtgct ccntggcggc agtcgcatgg 120

cgtggctaga acgcaggaca cacacaagtg ttatcagctt gtcctgggtg gccatgggtt 180

gcactcttgg tgactccaag tttcagcctg tccccagcaa ccgctctcct tntaaggata 240

gctctgaaaa cagcgtgcgt gtaaactcaa agatgacaca ggactattct ttatag 296

<210> 3186
<211> 548
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aatataaagg aagttataaa ctttcaatat gtatgagtcc agcttggctg cacagtgagt 120

gagaccaaca acaaccaacc ttttaacttc caagggcaca ggttaaaata ggaaagaatg 180

agtgcatcaa aagaaaaaat cagaccaaag ctgacaggag tctgctggga aataccaaat 240

cctgaaatgt ggcattccaa acctggagct cttggcccag catctgggcc tcaacagtct 300

acctgctgca catgcagcct ctctcatggg gtagttctgc tcacccatgc ctttcttggg 360

aaaacatacc atggtcctgg tgttttcaaa attctgaggt cctgggctga caagatggct 420

cagtgagtga aggcatttgc tgccaagtcg gaggaggtga attagatccc caaggcttac 480

gtggtggaag gagaggactg actcccacag gttcttatct gacctccaca cttgtgcttt 540

ggcaggca 548

<210> 3187
<211> 516
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (431)..(431)
<223> n is a, c, g, or t

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<222> (435)..(435)
<223> n is a, c, g, or t

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<222> (439)..(439)
<223> n is a, c, g, or t

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<222> (451)..(451)
<223> n is a, c, g, or t

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tctcctacca acacgtctca gaatacgtta tctccaagtg catttgatta cgatacagag 120

aacatgaatt ctgaagacat ttatagctcc cttagaggcg tcactgaggc aatccagaat 180

ttcagcttca gaagccaaga agatatgagt gagccagtga ggagggaccc taaaaaggag 240

gatggtgaca caatatgtag tggtcctggg atgtcagatc nnnnangnnn nngngnnann 300

gctgcngacg ncagccancc agnctnngga taatnaagnn ntcgttgctc cactcnatgc 360

cactccactc ctntccacgc tcccgngact ataacccata naactantna gatagcntca 420

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ttaagtctgt aactttataa gaagattcaa acccagctng atanccctgt caaaaagcat 180

agccagcagt atgtggatta caggagagtt tagtggactt tttggttgaa tatttatggt 240

ctggttntcg tgttaaacct tgtgtaaggt gaagtgtgtg gttttaatcg tttcaaggga 300

acnatgttag ntagcgccag attctcattg atatgtaccc atcaccaccn tctntctgca 360

gagaaccatc tatgttgaan ctgtacccan tcnatacagc tcttcctant ccttggtagc 420

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tagctctttc tcttcttttg ccctaaatca ataactttaa tgcctactcc aaataagcta 180

aaatagtttg gataattttc aggcaaatgg caaacttttg ctttttagca gttaaaaact 240

ttctgaaata tttaaaaatc tcttttgaca gtatattaaa gtgagcagaa nccgttatct 300

aaaggtacca ttcaactttt catgtgctta aaatattaca gacaaattga ggaggcaact 360

tatnatagaa acaagagact taaatgaaga gatctcctga aagaaaggaa acatttgtga 420

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tggccatgct gcttaaacag tgaaatcggc tcacactcac acacgtgtcc aaagcactga 180

ctcactgcta agtgtcangc acatttggtt ggtgcaggcc tcttagcagg aggattcaag 240

tgcttttaga gtacgtgcag atggggaggc gggtggctca ncaagcccnt gancacagtt 300

aactnaaaag tgttatttaa actgtaaaat ttgcattttg ttctgtttaa tttttanttg 360

tatagtttca gaattcccag gataaatagc tatgtgcant tgaaatatct tctgttccta 420

gctgtttaca tttcttggct ttttttttc aaacataata ttttattgat tatttgggaa 480

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atgaagcgcn ctaaggttcc ttaggactgg ctggttctgg atctataacc atgtgaggcc 180

tcgatccttc cctcagtgag actttcccca cgcaccagag cccatagaaa ggatagcaag 240

gacgggctgc agagacgatc ctgntccaag tgtaggncat ngtttnggaa gtacagaggc 300

agttttnttg tgcatgtgtg gtcaccgaga gagaaccaan gctgaggtga aaacancagc 360

aacanctggg atctccaggc ttccacancc tccnaaaacc cttggagttn cctggtncca 420

ctcagntctc aggactgtgn cctncaaagg gctatgatgg gaaggcncgg ctcctggagg 480

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cgcatgcttg catcatgcac agaatccaca tacagacaca gnaactatgg acttgaaaat 180

taagatgatt cacctgtttg cccgtgtatt gacttggtta cagagtattt gtagaaatga 240

aacaacgcaa gtaaactgcc caaatagagg cgtttaccca atctcccatt ataacctggg 300

gccagcagca tttcccaagc tttgtccctc ccaggttacg ttcccaggaa tgcaatcaca 360

ctgtacagaa atcatgttcc catgtgctct accccancct gctaatcttt gagggaacna 420

tacaaactcc tcaaacctag gctttagaaa ttatgttcnt gggtgtgttt taacatctca 480

caacatnccg ttcctttagc tatcagtttg gg 512

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ggatcttcag acacagttgt tctttaatgg cctgtggctc tggctaacgc tcagagctta 180

cagttttctt tatgactata ggaaaacaaa acccagagaa ttcctattaa cnattgagtg 240

ggcctgtgtt acacagacna agccagttgt ctcaagggta tcactgtgtg ccaatcanat 300

cttcccannc cagnacnngc ggttctcagt aagcacgcat ccacatcccg accctcgttc 360

tctctcagct tgnaaagcag agtctgggat gtgtgcccat aggaacttga ca 412

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gaattgaaga attacttgtc tgaagcgacc atcggtctgc atactatgtg gaatgagcat 180

tttgggattg gagttgtcga gtgtatggca gctggcacag ttatccttgc acacaactca 240

ggaggcccga agctggacat tgtcattcct catgaaggac agataactgg ctttctggct 300

gagagtgaag aaggctatgc tgactctatg nctcacattc tttctctgtc tgcagaagag 360

agactccaaa tcaggaagaa tgctagagcg tctataanca gattntccga ccaggagttt 420

gaagtancat tcctgtnttc catggagaag ttacttactt agtgtccagt ctgcacagtc 480

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ttacttgtgt aaccaaggtt gcctcaaact caaaattttg tcactgcttc cttagtgatg 120

gaattacaga tgtgtttccc cacctgacac ctcctccttt ttatttttgc ttttcttgag 180

acagggtttc atggatccca ggctgactgc aaacatggta tatagcctag attacttcgn 240

anttctnacc cttcnnccta tcctnngttn tnatgganta ctagggatca aaccnagann 300

ntnnnacatg ttagncaaac tctaccnatt tagcnacatc ccnacccttt ttctttttt 360

tanagaattg accacagtca tagacatatg atgnctttag tcaccttgat canttaaatg 420

tccctccata tcatgtctaa gaccatcaag gaaggcagat aatgcancct catcagatca 480

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ggagctataa ggagttgccc acttgacatc tttgatccag aganttctct gtggggctac 180

aggcgaccac agtaagagct gaggactcac actgattgtc tgaaattttt cacattgagt 240

ttctttttgc tgttgcttct ggggttctca taaattgata agcacttttt aaaaaatctg 300

tatgatacta acaaaaaatc tggaagcagt agaaccatgt aagtgtgacg gccctgtgat 360

acagttattt taaattatgt ttgtattttc ctaatgtctt cctaatgttt tagtatgtat 420

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ctgctgggag tttgttttcc atctgttctg cttctagaag tttatctttt tgtaaaatgg 180

tgttgcaatt ttgtctttat cacattaacc caataagaca gcttgcatct cctgttatac 240

ccagaatttt gttagtcaga tttantagga atggtatgat ctgtgcatca tacatcaaac 300

ccttatttgt ttatttattt attcnngtgt cccttgtgct catgtntgnt attggtggnt 360

cagattcagg gcttcagtca ctntagncaa ntnctgacca tnccnctttnt ccancctaag 420

nttttatatc tttnataaga attgcagaca gctcctaaaa tatttcatgt nacatatgtg 480

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aggaagttta natttgtgat tgagagtaag aaatgtttct gtggttttga aaaagaaata 120

ccagcatgtc acattaaaat tatggcatct acagttctgt acagttaaca gaaaaacgta 180

ttacatcagg gaataggatg tgcttcagag acctcatgta gggccatgag agaaaagcaa 240

gtgccatnac cggcttgcgc attaatnatc cagtcagcgg aagaattttc ctgtntccca 300

tgtaacataa accagatgtt ccattctatt aaaactcctt actaatgcgg atatttagat 360

cactggtcac taggaaaaaa atgagtaata gcaatntagt actttnncca gtttgtcctg 420

ttgtgagata atgttggcan tcaggagact agaaggtttc ctnccaaata cgactaaatc 480

tcatcactct gtttttatct gt 502

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<211> 244
<212> DNA
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<400> 3200
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atgttctggt ggcgggtacc aaactgttct tcatgataga gtagctgctt cctctcagat 120

gaacagagga ggtttaaatt ttttagtctc tttcatatct ttgattatgt cttctttgta 180

ttgtgttctt cggctgtcaa atctcttgaa tatataacgt atgacattgt ctgagtcttg 240

actt 244

<210> 3201
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<212> DNA
<213> Mus musculus

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tagaacaggc acagcgctct tcttggtcca tcctagaaac gtgttaagag gcacgtgact 120

caagttccct tcaagataat gaccaaggat tatgtattgg ttcattgtat ttactgctct 180

tgtagattaa acaatgaaac aacatcttaa ggcacgctca tctccaacat cccatctaga 240

aagttcttcc atggattcaa ggtcaataac atggatacat tcaggaccca acctcttcag 300

ctttgatttc tgaaggccag ggtcattcca acccatagcc gtagggtcta ttcaggagta 360

tttagctgga tagtcaggga cctgagacct tggtttcctc gacctacata tttctgt 417

<210> 3202
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<212> DNA
<213> Mus musculus

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ttccctcaga agcnccatac ctagtgagtt atgtaggtta gatagattcc agataaagac 120

tcctagaaag aatccaacta gcaggacccc aaggacagag agcatagaaa ccattgacaa 180

aagccaaaag ccacccaagg ccattctctg cccaatgcat cttagggtga cctgtatgta 240

gagtacccaa agtcactccc cttttccttg tgagtagaga ccaanagcng ggtagtttng 300

gatgtacatg gacagatcac tgttaggaaa acagagcaaa gggnagctag gtcttntcct 360

ctgagttaan tcatcccctt gtggtttcct gagggataca actcagaggc aggaaccgta 420

aaaggct 427

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aaattaactg gaaatcaaga gccaagatag attacttttc agcctcagaa tatcgtgaat 180

tataggtttt tctaggaaac tncctcgagg tagncaaaaa cagtctcgat tcagaagcat 240

cgccaggagc cgagagtgct cccacttatc tgccaggacc cgagagtgct cccacttatc 300

tnccagcagc cgagagtgct cccacttagc agagttggct gttgcagcta cttgtcaaaa 360

gtatcgcagt tgactatgca tagtgctaca aggctatctt cattagactg aactgattgg 420

ttgggttttt ttgttgttgt ttttaagtta ttcataagaa gaacaggaat tatntgacac 480

attgtattac tgacttacgt 500

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aaagccaaaa canacaaaca aaccactctg ggggacaaag ggagggtgac ttcaagcagt 120

cctttctata ggggtggctg gctgaggtct gggactgtgg agttgagaaa aagctaagta 180

gatcatcctg aactaaaagt taccttggga aacaagactt gagatccggg gttgaggntc 240

atgtgggggg tcatccagta ttcctttgga gcatagcata gctgagaact tagcaggact 300

cagtcacttc agactggaga ttgggaaatt tcttcccctg gcgtgcacag caccaaacct 360

gagttaaggt ntccttncct ctccctcagg atgctcccga cagaggtact gcacttccca 420

actg 424

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tgggtggctg tgcttccact tacaggccat gcccaggaag gcttgtaagc tgccattaca 120

aagtctgatg gaaagacacc taaaatggtt tctagtttcg gggctttccc caccaatatc 180

atttcctgga ccatggtatt cagttaaatc cttccccttc ttatacttgt gtagtttgta 240

taatacatat taaagagtat agagaaatca tagacagtat tgnaaaataa tacacatttt 300

cctgtgtaag tatagattta aacttngcca ttgctgtggn aaataactca ttccttcacc 360

tnccttgtat gtaggattta accacatact ncacttccat acgaagatgg aatcatgttt 420

cttggagaac atttctcaaa atatgctatt tacnaaaaaa ttttagataa aaatttgaaa 480

gcatgcattc tcatggaata aca 503

<210> 3206
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<212> DNA
<213> Mus musculus

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gaacantgcn attcaaacct ggcngggaaa atcacnggga tggtgcngga aattgacaac 120

tctgagctnc tgcacgtgct ggagtccccc cantccctct gctccangnt agatgaagct 180

gtggcagtcc tncnggcngg ttcatcatgc caagaaagaa gctgcccaga aggtggacnn 240

cnntnctnct ctacctcttn gacnagnata agantcnaaa nccnnatnnc cnctcatntt 300

atnccancnt naggtctgta gacntactan tttntntccg gacctccaca ccnaganccn 360

aggtncaaat tcaataggtc attttgtatc agaaggtcaa ttatgaagca ccnataattt 420

tgaaattata agnatatatt ctctggcttc tgttgtgacc cagatgataa cttttc 476

<210> 3207
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cctgtctttt gctcagccca gttgcttgta cttgataggt cacatctgtt tacccattcc 120

ttcacttgga tgttgataat ctgagncaat cctgacaagg tangactttc catgctatca 180

aggagaactc ttaatatggg cttaggtaga taataataaa ataataggtt tttctccaga 240

gaatatgcta ttatagagca gagattcaga tctttggaaa aagcttttcc atattttacc 300

tggaaatagt ttatttctaa aaagcttcaa tgacaaacaa gtggcatgta tgtttccatc 360

cagtataaag gcagttctct ttgcatgtgt ttatacagct gtaaaaatta cacttgagaa 420

aataaacagc aaaacctcaa agggctgacc agtgtttgtt aggatatac 469

<210> 3208
<211> 402
<212> DNA
<213> Mus musculus

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tagctcccta ctctctcact ctctgtggtg atggagacag tgcaggaagc tgcggtgtga 120

cgagaacata acttatgtta agttcagccc agggaagtgt gtctgccaag aaaacgactg 180

acccgtttcc atcagaaaag agggaaagag agagaagatg ggactggtgt catcaaagct 240

agtgccacca atcctatgcc tctctcagtg cccccgcaag gatcagacta ncctcanctt 300

ctatggntna nntttgcngg gcccaatggt gcccaagaga attgccagac cactntcggg 360

gncaagcata tgggcacctc tcctccagtg gtattttaga ga 402

<210> 3209
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<212> DNA
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<223> n is a, c, g, or t

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tgctgaaaga gagatgcttt ttaaacatta ataacttgag ggcgtggctc aagagaagag 120

catctgcctg ccaagaacaa gtccatggta tccccataca tgcacacaca acgcacccac 180

atactcacac atgtacacat gcgcacacac acaaactaat aacgctcaat atagtttctg 240

tgccatttgt tttttttat tgcaataatg ataacttgtt ggtcctttgc ctgccatttt 300

ctctccttag atttcttttc aatttcttga atttaagtgt gaaaaangag cctaaaattc 360

ttcaagataa aatatttttg tttggtgaat atattattaa ccctaaatga ttatatgtac 420

gctcctcata gtatcatttg agttttagct ttagtac 457

<210> 3210
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<212> DNA
<213> Mus musculus

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cagctagcgc caagcagcct tgttcccagt gtggatgatc ttggtagagt ggagtctggt 120

acacagagac agctgctcac gggatttaaa cagaggagat tggtgcacat gtgttgggtt 180

ttggaatttt ttttgtgggg gttttggtgt tttaaaatgt ggtgtttagg atgaaactcc 240

cgatgcatgc tggcaagtac ttgacccctg ancnntancc atnncccngg agttacactc 300

tttgctcttt cctcggcctt cagttccttg aggtgcagtg gnccccaggt tggatncctn 360

accatnntca ttagattgga agtctncctc tctcctntta tgatctgctc ttgacactgc 420

agaagcagca gctcactgta tattnatcta gtgttccntg gtatgattag cgattaaagc 480

aaaggtggtc acagacagtc att 503

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tatttgtaac ctgttaaaac taactccaac tttacattct ggaaatctta gcatgagtaa 180

tttcaccaag caacatctgc cacaatctga agtgaattct agcttactta attctacttt 240

aaaaaccaac ataagcagag atctgattaa aatatgctaa ctgtatatag tgaanaaatg 300

atgtagctac ttttaaagga taaattcaat ttttacacat aananatcta tggnatataa 360

tttttaaatt naactagnat atacaggtaa gcccacatca tatttntana tgacctatgt 420

gtgtttgatg attttcttat accaattatt cnataatttc aatttcttct ttctatagat 480

ncagnaaatt caccaaagat ctagctgtta tatt 514

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<211> 548
<212> DNA
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<223> n is a, c, g, or t

<220>
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<222> (469)..(469)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (513)..(513)
<223> n is a, c, g, or t

<400> 3212
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tgggtgtatt ttttttcca aacacccaac cagcatgaag caacttttc caataagcca 120

caggggtctc tctacatatg ttctcaactg caagctattg tcacctattc tgaatacctc 180

aaaaggccga gaggagggaa aaaactcaac tcaacaaagg ccaactgtag caattgtgaa 240

gtcttagtct caatatgaca aaaatcattn accttccatt ttctnngnag nacaaattcc 300

agtatnattg taacagttgn aacantntnt cagattccta tganccaagg ttaggagaaa 360

tataatcaat ttnctgataa tngattactt tggagaaaat atttaaacta gaaccnaagt 420

ggaattttgn aaattgagct gtttgattaa tccgtctctg tgctcaganc ctcgctcttt 480

gaatttgttt aatctgatga cgaagaatga ctnttcggtt tctagctacc agttttcatt 540

atgtcctt 548

<210> 3213
<211> 205
<212> DNA

<213> Mus musculus

<220>
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<222> (105)..(105)
<223> n is a, c, g, or t

<220>
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<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<400> 3213
tctgggaaca ggacccaagt ccccatgcac actagaaaag tgctccagcg ctgacttccc 60

cacagagagc tttttaaaaa agcatcctgc gaggcttata gggtntcttc cttgctggag 120

caggcttcca nctgtgagga ggacngggga ggggtagggc agaaagttcc aggtctggaa 180

ataaatgtaa ggatggtagt ggcca 205

<210> 3214
<211> 249
<212> DNA
<213> Mus musculus

<220>
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<222> (124)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<400> 3214
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cctctgttcc aatatgtcac ttcctgtaca agccttccct agccatgcat tccaaagcag 120

cgtntcccat aaccacatta aacctccagc tttcttgagt gtcctccatt ggcagctgca 180

ntccttagtt ggtggcacac tagtcaccag caccttgccc attaaagtct atgctcaaca 240

agggtcgga 249

<210> 3215

<211> 233
<212> DNA
<213> Mus musculus

<400> 3215
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ccagtctgtg ccctggagga ttggcctgag cagcaggctg tccctctcag cgagctaaca 120

taccctgcct gccaggaacc tcacttgagc cattaactga tgctgtttgc ttgctttccc 180

atctgaatgc tatctccatg agggagagcc tctgagactt actacacctt ggg 233

<210> 3216
<211> 186
<212> DNA
<213> Mus musculus

<220>
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<222> (28)..(28)
<223> n is a, c, g, or t

<220>
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<222> (41)..(41)
<223> n is a, c, g, or t

<220>
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<222> (43)..(43)
<223> n is a, c, g, or t

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<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
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<222> (56)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

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<221> misc_feature

<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<400> 3216
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gttnctgaga ncactgatgg gagantcagc cctcccagnc tgtccctgca cagtgctcac 120

ccagtgcttc gtgactccct tcagtactcc cttaggctcc tcccagagtc actgtccctg 180

aacaaa 186

<210> 3217
<211> 203
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
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<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
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<222> (93)..(93)
<223> n is a, c, g, or t

<220>
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<222> (117)..(117)
<223> n is a, c, g, or t

<220>
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<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<400> 3217
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ttacncagac atttcancct gcgnaggcaa agnttccgaa acccctgctt cctcggnatn 120

ccatccntac accttggtgc tatccttttg aaacnntnta cattttcacc tcntctgtga 180

ttctgttttt ggaaagattt tat 203

<210> 3218
<211> 154
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<400> 3218
gctgtgagca tcagatgtaa caaatcaaan tcaggagaac tcccttcagc ggtgcacctg 60

gacatcagac ccccttgtaa gaactgggaa attgctggca ntctagtgga gcggtacggt 120

aaatntggaa aacactcccc tctgtcactg aagg 154

<210> 3219
<211> 92
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<400> 3219
gggaataagg tctaatgatt ctttgntctc ccttagtgtt gttatgtccc tctttttctt 60

tctttctgat tttgttaaca tgggtactat ct 92

<210> 3220
<211> 361
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (58)..(63)
<223> n is a, c, g, or t

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<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<400> 3220
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nnngatggaa tttnatatat ttaaaaatgt ttttgtcttg ctctttctaa atttcttcct 120

atgctgcctc tcacaagttt attatttctt gttacagttt tccctgacag agctatgaaa 180

atgtcttctn cctttctacc tttatatcan ccacattctg aattgtgttg cagaaaggga 240

catttgaatt atttcatatg aaacactact gtattttctt tcctcttaaa aatgttagtt 300

tttcttatct gctgtccata attatgcatg tttaatgttc agtgagaact agagcttcag 360

t 361

<210> 3221
<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<400> 3221
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ataacctttg ttgaatgctt gggaccgtaa tcgctcagca gccagagtta caaacaatgc 120

tacgcagggc cgtgttagat gccagtgttc actgcgtgtc ctgattgatc gacgacattt 180

agtacgttgc atctatcatg gttattgatg tgtatagaga acctcagaga ttcaccacac 240

agtagacatt tgtaagaata tttgtggtgc ctcccgttcc ttcgtagatg tgtcattttt 300

gtggaagaaa aaaaaangca atcaatgtac cattaagtac actatagcag acttacaaag 360

gggctttgtt cctgctgtct ttgaatgaca ggcctgaaaa ggtgctattt aaattgttta 420

tgtcctcaag ccctctaaac aagtcacctg 450

<210> 3222
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(250)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<400> 3222
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tccatccatg aattatctca cgcatacagt ttaaagtgta ttgggaatgg tagtgcagca 120

attaagagct cttgttgctt ttctagagnc cttagtttaa ttaccagcac ttatgttaga 180

taacttactg tatttctaac ttcatggatc agtgcccccc ttaggcctct acaggcactg 240

aattctacnn anacatacnc ccccnnnnac acacacacac acacaccaca catgcaatta 300

aaaataaaat aaatccttga natattaaaa gtttgcatgt agcgcttggg acttttcaat 360

cccagcatgc acttattaac ttgaacttat ttggaagaag aatgaaagta tgcttccaat 420

gacctacnaa atatcanccn agctacnagg gttaaatgca aatctgaatg aaatttatcc 480

caacagctag gctgttttca gatgttt 507

<210> 3223
<211> 443
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<400> 3223
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agaggtgttt aggtagtagt gactgtatcc ttttgggatc agctgtacca ttagaggcct 120

ttggagggag aagctataat cactttgagn aagccctacc atggttctta gccctgcttc 180

cttttgggta catgccttgc tgtgtttacc acctaaaagt gaggtggact aacgtctcat 240

ttgcaatagc caactttatt tagtgttgga caatttatac tcttggggat ttaagaaggt 300

ttacattgag tgaactgtac aatctcaagg acaagtcaca tgtgccaaga aacacttttt 360

tccatacagg cacataaatg gataacaata accagttgta attaataatc tctaaacttg 420

ctcctatctg atacacctgg gaa 443

<210> 3224

<211> 465
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<400> 3224
gggcccttgt atctgggaac ttatgcaana gatactgttt catactcaga acactgactt 60

cactggaggg caaaatagct ttgttaccaa catagtcaac ccccgacaac ctaccacaga 120

aaagaagtct catgtctgtg cacaagagac aaaccaaggc ggtttcctgt aaaattctaa 180

agtcccccca tagccactct ctttcatctg atcaccaaga gtggcaagga aaacacctgg 240

ttcaccctgt ttagactcac gtggggcaat ggtcaccaac tgtatgggca aatagaaaat 300

gggtgcagaa cagaaggaaa gccaacctac tgggaactgt gtgaggatct ggcatgggat 360

gttccttgct ctaaggggta aagaaagctg atgctcacgg cacactggac cacaacgtgg 420

aaaaggggca cacacagaca ggacatcctt actgtcaatc acgag 465

<210> 3225
<211> 394
<212> DNA
<213> Mus musculus

<400> 3225
agagcccaga gggttccaaa ctgtaggtat ctgcgtgctt tcctctgcag tacagttgta 60

cgcagccatt accacaggaa gcttggccgt ggacatcaca gctcaaagcc gtccttcaaa 120

tgcagtgtct tctggttcct gagaactggc aaaaggctga tgactgggac ggtagacatt 180

tctggaaaga tactcctgtc atttatatat gtccacctca ttctgtggga ggttcaggga 240

gttttccctg caggactacg agagagaaga caccctagtt gtttagaatt tgagaatttt 300

aagaccttaa gtttatatga ctgatgtaaa tattcgaaac gacagctcct gttgtcagat 360

gactttaaag agtcttttga acgttctggt gcca 394

<210> 3226
<211> 491
<212> DNA
<213> Mus musculus

<400> 3226
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gtcaagcacg gtagctacga gtccgagtcg gtcaggccag gagagggact cgtgtaggac 120

tgtccccatt tcctgccaga ttccagcaga ccctgtgctt ctgcttgagt ggctgtggca 180

cgtgtcctcc tcggtccccg aggctaggcg atggtgaccc ataacaacag gaggtgactc 240

ataacactgt ccccgccact gtcatctcta cacagctact ttggaaggcg tgcagggctc 300

aaaacatggt ggctcctggc agagctccgg ggctgtgcca gggagcaggg ctgcccatct 360

tgtagggact ggagcagttc ttgtagagag cggcagatgg tgaggaagga ggctcttccc 420

gggtacatca gctcaccaga cagagggacc ccagtcacgc tccctctcgt tttctttgct 480

tgccctaact t 491

<210> 3227
<211> 404
<212> DNA
<213> Mus musculus

<400> 3227
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ttgggaaaga acattgatcg aggtctagaa cagtggctag gagtattttc tgtagagctg 120

agggaaggcc atgcactgtg gtgaggatgt gcaaagcaaa aggatgcaaa agagagacaa 180

gttaataagg caaggagtcc atgtgacagg aaccgaactg ccgccttctg ccttttgtgg 240

atcagcaagt tgctgcctgg ttgtgttgtt tgcaaagacc cacacaggtg atgatgatgg 300

tgatggtggt gatgatgatg atgatgatgt tctagattat tttagacctc tacctcctgc 360

tattctttcc aggcaactga atcaccttct ctttaaactt tgct 404

<210> 3228
<211> 302
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<400> 3228
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tgttgcaatc tctgctattt taatgggact gatgtttgag gttttgtttt tatgagacag 120

ggtctagcta tntagcctan actaganttg aactcaaccc tncctaatct cctgactact 180

gagattacag gcataaacca ccaaaccaag tttacattaa ctttttgttt gtttgatctg 240

tatagcctga aggtattcct gcctggggaa ctgtggatgc ggagagacat gccctgattg 300

cc 302

<210> 3229
<211> 427
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<400> 3229
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tctctgcttt aagttccttt tcttgacaat tgttttggct gtagagtcaa attatcctac 120

cagtctttat tgattacatt gtatgtaatt tatgccactg tatatcccga gtcacacatg 180

gtgtaattgt gtatgtctaa tatattgaaa ggcaaggata tgagagggga acaaaactaa 240

agtggagagc tttcttgtaa taactatgcc agatcctgtt gctgaatgaa ctaatttagc 300

tctcttgaaa tccatcggtt cttccaaacc gctataaaaa ccatttaact attggaatga 360

agtgaatttc aacacgatta tctntnttga agttgcaggc tcatgtgtgc atgaaaactg 420

ccttttt 427

<210> 3230
<211> 429

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (287)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<400> 3230
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aaagaagtta taactaactc gagttttctt tctttgaatg acaactcctc aaaaaaaaat 120

gtaatttctt ctagtttcct ctctgctttc ccatgctctg atctaatgac tggctgccac 180

attctcaatg ccaagacaag acaatgggca gtaaagttgc aaggctcagg acagttgtgg 240

tttctggggc ccctccctac aaagtgattt ttataagaaa caccaannca ganatnnnnt 300

gnctaagagc accctattgg ttgcccgaat cctgctctcg cattaggagt tcattaancc 360

ctctttcttg ccaaattaca ggcttcagtt ttgttttgct tccagctaga gtttgtcttc 420

ctggatttc 429

<210> 3231
<211> 417
<212> DNA
<213> Mus musculus

<400> 3231
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tgccaaggct aaaaagcaaa atataaatac aacctgttca gccttctcta tgagtacaaa 120

ataccacaag ctggtatata gactaatcac tgtatggcta cactcatgaa atttcaacaa 180

cgtgaacagc tgaacaagct caacacaatg acaataccag ttgccatgcc tgactggatt 240

ggggaaatct tacaaggctc atcaccagat gaagaactac aggcaattaa tggctgctaa 300

gagaggcaga actagtcttc ttcagggaca gagccctgat gggttattca atcccaaata 360

ctaaacacaa atacatacga ccaatactaa atggacagca gagtgtattt ctttaaa 417

<210> 3232
<211> 442
<212> DNA
<213> Mus musculus

<400> 3232
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gtctgcagtt ttattagtcc ctggctttgg ccacactgaa aggctccgtt gttttcttct 120

tgaaagggct aactgctcct actcggtccc ctctggcttt gggaccgccc tctacttgct 180

ttcttcaaaa tctctggccc tttctcctgt tctgtcagcc tcaactacta aacttggtgt 240

ctgcttgact gaatccttag tcttctcaag cttggctgtc tcccactcag tgcccccaaa 300

caacctctta ttccataccc atgcacttgc tttctaagca tccttaagcc cttgctgatt 360

ctagtctgtg ccagggccta gtgttctagc atgttccttc cttttctaaa ggcactggct 420

tccgtctgta gtaaggcctt ta 442

<210> 3233
<211> 472
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<400> 3233
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aagtcactga agactctgcc tcaaacggtc ctgggttgtt cttccaagtc acctccttag 120

acccagcgat gcaaggcttg tcccccacaa gtgagctcca gctcctgaga tcttcagggc 180

tcctgcacgg ggagtatagg agtctgtcct cgtcgcctcc gtgatgtagc atgcggaggg 240

ctacagggga ctgcaactgg ccacggggac tgcaaggcca gagctgcgtt cctggctcca 300

acagctgata agcctgtcac cggtaccaca tccacagtga gacctgtgtt ggcttctcga 360

nccccttcagg nacaccctcc caaagatgtc ccggaggccc tgtgtgtatn atctaaactc 420

tgtcctctga ccacattctt tgcagcctca cacttgggct gataacactt gt 472

<210> 3234
<211> 408
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<400> 3234
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ctggttgtcc actgggtttg atagccttct gagctggtnc cctctaggtc cagtagacca 120

ggttacccag tgccgagtcc ttctgtctct ttttcccatc gtggctctgc tattcatagt 180

atctgtgtca tcagcccagt ctgaggagcc ttcccatctc cagcaccctg gcggtcattt 240

aggttctttg gattaaatga agcagctatc aagagttgtt ttttctctgc cacaaaggct 300

ttcactaaag atttggtgct gcgtttggta aggcttggtg ttatgttggt tgagtttctg 360

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (104)..(104)
<223> n is a, c, g, or t

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gctggcctgn aactcctnta tcgaccacat gcctctctct ctcntgagtg ttgagatgag 120

aggcgccacc acacctggct acatctgttt tttcagggtt tcagcctttc cctagccagt 180

ctgctaactg tcacttctca gtggtcagag agaggcctcc aacacatacc tggtttggtg 240

cctgtttact gtgggcacgg acagaaccac acccattttc acacgtgtct aaaatgggag 300

aaaataggtt cagacagagg ccccaaaggc cctgctgtaa gcaaatcatg tatgcttaca 360

ttctcaggga tggtttcttc cacaagctat ctctatt 397

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gagcgagtta aaaataaaga gggaatccca gtcntntnct tattttacct tattttggca 120

tccaagaatc atgtcttgga aacacacgct ccatctagct gccttccttt atagatgatg 180

cgagctaggt tttgcagcat aaatatgctg agcaggtctc tctgctagca gagatagaag 240

ctgaacaatg ccccgctgat tatctttcta agaattctga accctgctga gttcatgggg 300

caacattctt gtgcatggct tgcngcttaa gtgggcttct gaatccagca tccttcagcc 360

agtgngatga gagagcagac aaggagtcaa gggaagtgtg tagtgaggat ttgtttacag 420

ccacccaagc tgagcttttg ctgaagatgt ttgccantca gcacaaccct gcccacncca 480

atgctgctcc atggtagaaa tt 502

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<211> 478
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tggtacttga tgtgacctgg gtgaagccta ccacatcaca tacctccagc agctacagag 120

tatgtttcac caagaccaaa tcttcaaatg atcttatctc ctaccaatct ttttaattag 180

tcttgtaaat cactaataga cagggataac agaatttnct gggaagatat ggagaactag 240

ttnctgtcct ttagagccca ttacattttc atgtgtctgg gacagttcta atggcctgca 300

cagatcatac aatgaaagtc tgattgtctt tcctctctcc atttcccctt agccacatta 360

naaattgcag agatttttt ttctccctca gaatattagt gttggaaggt tgtacccagc 420

tatactcttt agcatttctg atggtaccca tttattcgga cctcactggt tatttaga 478

<210> 3238
<211> 352
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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cacatggacc aggttgtggt actgtgcccg aagcgccagg atatcttgct gcgtcttggc 120

cagcctgacc tgggaggccc ggaaatccac cttctgctgc ttctcggcct cctgcttcgt 180

gcggaggagg ctgttctccg aaaacttgaa cacctggtgc agatggttct tcagctcctg 240

gatcacaaag ttctccttct ccacctaggc caggacgaat gaggacaggg ccctatttaa 300

tagccacgca gtcctcccac ncccagtcac aggacagctg gcctttggtt gt 352

<210> 3239
<211> 551
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taggggaacc cgcaaacaca aacaaaaacc aatggcctcc agggccacaa ttgccatggg 120

cagctgccta gggagtggaa gccactggtt ttagaacaca gatcctcagc ctggggaagg 180

aggtcccctg ctgctttagg atttttgtta acttcttgct ctaactctta aaagtcactt 240

ataaaaatag taccacgtgt tcacctgtaa gagatcaagg tagcgcataa aggcttagag 300

tcaaaggtaa gtcagcaggc tccatctcac atgctcagtc tccagaaacc caccccagca 360

tncatccatg tccagatgcc ctccccccat cctcccctcc aggaccatga gcgtggtgta 420

gcngttgtaa cacagactgg tgtctggcca tgggtgctcc agncctgact ccccttcctc 480

aaagcatgca ctgcaagtga ggtgctgtgc cttggtttcc cccttgtgag tcctccccag 540

atgttagttg t 551

<210> 3240
<211> 507
<212> DNA
<213> Mus musculus

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tggcttcctg ccagccctgg acagtgcccc ttccttcatg tataaacagt tttacattct 120

caatctgcct ttggtccctc acattcactg agtacaaaga gaacttaact ggctcttcca 180

acaaaagtgc ggtttgcctg tcaattgcct ttgtctttac tccatcacat cacagtaagg 240

ctcgctcttc agaggaggga agcaaaggaa atatcaaatt gttgggagca gaaatacgaa 300

ccattccttg caatctgttg acactgacat caaaacaaaa gtttcctaag agttatacag 360

cactcagcag tcctgatcta agccagatgt cctctccctg gtctgagacc agtgcgtgcc 420

ctctgagtgg aaaaacaagt attgaaaata atatttattt caatagtacg tttaggcaaa 480

tacggaaagc tctttatctg cctgaga 507

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttttgggtaa agccttattt tgcataaggc atcttgagcc cntcagtgtn antaggcana 120

ggcccctnac acctaatgag gtnttcgttc ggtcctttnt catctccctc ctgcantgac 180

atcangctga cccctaaggc tcggctttcc ag 212

<210> 3242
<211> 476
<212> DNA
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<223> n is a, c, g, or t

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attaatacta ccctcataca tagaggccca ggcccatcca ctggagcatg ggtagcctcc 180

tacagcctga ggcagngaga cgccttccta tcagcagttg tnatntgctc ctcagcangn 240

gnnnncnccn nannnncccn tntntaggag tnantttgat ntacacaata aagggtgagg 300

ccggtganna annnnnnnnn nnnnnnncna nnnnnnnnnn nnnnnactat gttgtntngt 360

ggaagaagtt cagtgccccc aaaaccctcc acatcctcct gtctgtcagt ntttnttttc 420

cgatgattag aaacttgatt gcgtccatag ttttgccttt cccaaaatgg tatgtt 476

<210> 3243
<211> 451
<212> DNA
<213> Mus musculus

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gcaggaaaag caccggacag ctgaacgtca atcccgggac tcctggcagc ggcggaggcg 120

gcggcggcag cggcaacacc acgactgcag agcgaagccg gcaccagaga agcttctctg 180

tgcccaagaa gttcggtgtc gttgaccgat cctcagaccc gcctcggagc gccaccctgg 240

acagaattca agcttgtacc caacaaggcc tttcctcaaa aaccagaagc aattcctccc 300

tgaaggagag cctcacggac ccgtcccacg taagccaccc caccaacctg ctggccacca 360

ttttctgggt cacggtggcc ctgatggagt ctgattttga gtttgaatac ctgatggcct 420

tacggctctt gaaccgactg ctggcacata t 451

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (246)..(246)
<223> n is a, c, g, or t

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<222> (251)..(251)
<223> n is a, c, g, or t

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<222> (258)..(258)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cctttttgtgc aggcctcccg tggtgttcct agatcaaggc cccttgtttc ctgagtagta 120

gaaatgnntt ccattattca tcacnntgac aaccggacat ttgacaccct tntgaatcgt 180

gatcanttgc agntgactaa gagtgactgg cttctctgaa ggtgtatccc caccaggagn 240

agggganccat nctggctntc agagntcctt cttaagaaga attattttgt acaaaatcat 300

catattacta tttgagttat ttttattgtg tgcccagagt ttgcatgaga tttttc 356

<210> 3245
<211> 530
<212> DNA
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<222> (76)..(76)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctgtttatt ttgggnaggt acatgggggt gttctttcaa atgattcatt tagtttttc 120

aaacccatac cactctcaat gttcatttga tgtgttcaaa gccaaaaaaa atatgaaata 180

acattttaag cagagctgaa cactaactcg gacatgaagc tgaaggagtg agcaagccac 240

aggagagggt ctaagcgaag catggccttg gcttcatacc acacttttg tgccttgtat 300

tatcagtgta aattctgaat gttgtacagt aaatacttgg atggactcct tancaaggat 360

gcaccggctt ctttttcag cacatgtaca tatctataaa tatatataca tatatatttg 420

gtaatgccaa acagctatgt tatattgtac tgaacaaaat ggcncgtttg gatgttttat 480

gtagagtttg caaaaaaacc aaaatggatg gttattgact tttcgagata 530

<210> 3246
<211> 511
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (313)..(313)
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ctatggatct gcagtccatt tcgtgtagtg atgctgttgt agaggaaagt cttttcctta 120

tcttttctag tttctagaag ccatttgcat tacttgtatc atggtctcta ccttcttctt 180

tagaagttat cagttcagca tcttccaatt tgaccctcta caatttttca ccattccttt 240

ctgattacat tttcttggaa aacttaattc tatcccctta tttntcagaa atttnagcat 300

attacaaatt ttnttngtca atttatggta nacattnncn atttctnagn attaggggtt 360

cctgggggtt nttntcctnc ctaccacaca nntaatctta atgacanaat tgcttntaat 420

ttttttacan ttctaaggct tatgatgtta taattgtaaa cacaagatag gcgaatccaa 480

ntcctaaaga ctcaaagctg ctttcctata a 511

<210> 3247
<211> 226
<212> DNA
<213> Mus musculus

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ttgcacagag gctgagattg gcaggttctt actcttgggc actgcagacg cctctgaatg 120

ccgcagaaga gctgagaaca gattgtgggc ctgcatgcgg gctctggccc tgggccaaag 180

ggaaaggggc aggagggatg ctctggctgg ttaccacaag gacata 226

<210> 3248
<211> 358
<212> DNA
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<223> n is a, c, g, or t

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aaacctcctt cacaacactt gctgaatggc aagccctgga agacctcttt agactgaggg 120

ttgggaacca gtgccccttg ggccatttct ctccttgaaa cctttctttt aattcctttc 180

tgggtccnnn nnnntnnnnt nanntgaant ngacacattc atcaaacatg attgaatatt 240

ggcagtttca tctggtatga cctaatagtt atgtggttac aatttnctct caacttgttc 300

ccacattgtt aacatggaaa taataatggt gttttcctca caattttgat ggctatta 358

<210> 3249
<211> 521
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (144)..(144)
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<220>
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<222> (153)..(153)
<223> n is a, c, g, or t

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<222> (157)..(157)
<223> n is a, c, g, or t

<400> 3249
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agcagttgag ttccatgcag tgggatgctt accaacctgg gccaggactg tggtgacaac 120

cctgttctct agggnaaatg tggnccccga tgnaagnctt ggctaactcg gtctgtgctc 180

tcaggcccag acctacaaat ctgcaacctc ttcagaattc ccaagagtga gcttccttcc 240

cagcaacccc tcatctctgc ccccttccct ggccggcctc agcacctccc ccttcttcag 300

caagttaacc gaactctccc ttcatggaca gttcactgga aatttagtct gaaacgacag 360

tgtatcgtat ttcatgaatt taatagggtt ttcatgattt tacaaagtgc ctccaccaga 420

cactcgcagc tggaggcggc tcagcgggag gctgaagccc agcatctggg tttttcaact 480

cttgccaaaa tccattgaat ttgatccgga atgactacga a 521

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<212> DNA
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<223> n is a, c, g, or t

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ttcttgcaga cgttgtcacc ctgttactcc atcttgccgt gttggacact gaattctttt 120

taatgattta actatgaaat ctgggagtag gtgggcacat gaaacagatg tagtttcagt 180

cattctcatg acgaacttta aaataagagt tgtgtttgag cgtgctctgt cctgtttaaa 240

cttgaggatt ctagcttttg tganacaact ttgaagatgg tgttttctgt aggaggtggg 300

ntnttctgca cgttagcact cattcagagg atgcatagct tccagagtaa ttgaagctct 360

tgttcatgaa tatgaggacc tcaattcttt cagctttgca ggagncagag ttaactgcac 420

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ccccgnggct acacaggtta tctcactttg a 511

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcttcnntaa acatccatnn gtntanttng cttacatgta gaagaggaga acatgggatg 120

gcaaacgtgc ggaggcagga gtgtaattca ttccagagag ttctcngttt ccanntgtgt 180

ggnccccctga gaccaaaatc anngccttan gnttggangn caagcacttc agccacngaa 240

gcccctcctt gncntatccc ctatcttttc ccaattttgt tacctttttt ttgagaagct 300

taatttgcca aagctcagga agaactccct agatgttgcc cagctctctg gacattgact 360

ttaaccttcc ccgagtggac cagaccactg ctcgctggcc tctgtacttt acccaatcct 420

aaggcagctt taaaccctgc ctatttccat gctccagcat tctcagttcc tgtctgtgat 480

aaacacatta agtaatgttg tcaccataaa tagttctcag 520

<210> 3252
<211> 351
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (260)..(261)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (289)..(289)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttcaccttt cccctggttt tactgctctc tgccctggat tcctggagtc accttctaaa 120

tgaacttcct gcaccacagc ctgggagggc ctagtgtgca cagctttcat tcagtntcat 180

cctcttagca acaagcatca gtcctgagac cttcaggctg ctgcagcttt gtcctgtttc 240

tccagctctg tctctntctn ntctccncct tctttcctct tggttncant cttcaccctt 300

tccgtatctt gaattnacct aattcctttc caccctgatc ttgtgatagg t 351

<210> 3253
<211> 407
<212> DNA
<213> Mus musculus

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<220>

<221> misc_feature
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<223> n is a, c, g, or t

<400> 3253
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agctttgtgg accagnactg gctgtgaact tgcagcaatc ctgagtcagt gccttctctc 120

cttaagtgct angacaacat atacgcaccc ttggaatcta tatgatttca ttgtgacatt 180

tcaaatgtgt atgttgtgct ttgctgagag tcactcctac tattactacc tcttgtcccc 240

ttttctcctc tctgatggct tcccttctcc cctcaaatag ccccacttct gctttcatgt 300

cttgtgtata ttgttaaata tctcatttga attcttctta ccaaagaaaa catacttgtc 360

tgagtctgcc ttattttggt taatatgatg ttctccagtt tcaccca 407

<210> 3254
<211> 509
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (295)..(296)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (427)..(427)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 3254
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tcataacaaa gacatagaga agcttacttt tattggcttt gaaatatatg tacctttttt 120

tttggtagtg gtgggttttt tggtttggtt tggttttgtt ttgtnttgtt ttgtttngtt 180

nttantgctn tttgttntng tttntggaga aagtctttct gcataatccn ggctatcctg 240

aaacntacct tatagatcag gatggnttng aacccacaga aatttgcgtg cctcnncctc 300

ctgaatgctg gattaaaggt gtacatcaca acatccatct acagtcatgc tttnatttaa 360

ctntaattta tttgactcta atctttgcat ttcaaagnca attagaaatt ttccttttgt 420

tttaatncct ttgtgattgt ntactacctc agagaaactg aggcttgttg aagaagaaat 480

gtatatgggt caaaatgaac agagctcaa 509

<210> 3255
<211> 566
<212> DNA
<213> Mus musculus

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<222> (73)..(73)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (94)..(94)
<223> n is a, c, g, or t

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<222> (207)..(207)
<223> n is a, c, g, or t

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<222> (274)..(274)
<223> n is a, c, g, or t

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<222> (281)..(281)
<223> n is a, c, g, or t

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<222> (379)..(379)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgtttatctg gcntantgtt ttttctttct tttnctttcc tttttcatgc tggggttgga 120

actcagggcc tcttatgcct ttggtaaagg ctctaccagg gagccatcca gtagcctgaa 180

tttgaaagca agaactcttc atgaccncct tctagagata agcagagtgg ccccctttct 240

ttctaattac agctaggatg agatagatgg tctnaagtga ncctcacagt ggatgggcag 300

acattcctat tgctgctaca atgtatggag ttcagactgc agcaaacacc cgcaatgagg 360

gatgtctcag caacgcccnc aatgaaaata agaacaggga ccaagtagag tccacctgtt 420

gaggctggcc atcacaaagg agataggttg gaggancctt gctgtcacat atcctcatag 480

tgccccctta gggactggta aaacaacatc tttcagctcc tttgggtgat ctgacctcat 540

cctgcccttt gttatctgtc caacaa 566

<210> 3256
<211> 336
<212> DNA
<213> Mus musculus

<400> 3256
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ctgcacatct gttcctcact ctgtgatagc acaaaccgag gcatgttact gtacatgcta 120

ctgtagagct gcagtgccag ctgcttacga gattttcagg atgctattcc tctaccaggt 180

tttggtaaga aaattaaaaa cccatcctga cattttccct ttcacaaatg catatccaag 240

tcccaaagct agatacttcg aatgcagaaa ccagttgact tttctagggg ggagggtaga 300

aggaagtaaa tctaacctct gtggagacat ggacat 336

<210> 3257
<211> 425
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (381)..(381)
<223> n is a, c, g, or t

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<222> (386)..(386)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ttagtgagtg tgtcccagat gacctggtgg aagtaagcat tgagcgtcct cagaagttta 120

atctctgaga ttgctcccag tttgggctct aatacaatgt ttgatgtaca gtggtgtccg 180

ttggttttat gagacactat ataatagaaa gtattgctat ttttaaaacg aatcaaataa 240

attaacatct taaaaagaat ttctttacct gtgtgtacaa ggcccaagtg gaggtcagaa 300

gaaacttgga gttacttctc ccccagtagg tgantcctag agatccaact ccagtcagtc 360

accaggatca aggcaaacca nccaanccan ccaagccatc ttccccaccc caagtgtgag 420

tgtgt 425

<210> 3258
<211> 466
<212> DNA
<213> Mus musculus

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<222> (219)..(219)
<223> n is a, c, g, or t

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cccagagcca ctctagggag ccacggagtt ccactcagtg gtttgtcctt actctggcaa 120

aagaagttgg gattttctgt ctaatcatag tgagcatgcc ggtccttatc cggtttcgcg 180

tttgtgtttc agtatcactg agattagtga tgtctcaang agacattctt ctggtcaatg 240

ggaaaaaatg tattaaaagg ataatttagt aagttaacag gatattatga acactaaaat 300

cagccttcat aagtacgagt gtgaatgaaa agaccacagc tacaaaagca acagcaaaaa 360

tactcagagc tcaagagatg tgccacattt acttggggct aactttaaaa cactttaaaa 420

gccaaatatg aacataaata ggaggcaata agctttcttg ggtaga 466

<210> 3259
<211> 461
<212> DNA
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<223> n is a, c, g, or t

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<222> (352)..(352)
<223> n is a, c, g, or t

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<222> (399)..(399)
<223> n is a, c, g, or t

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<222> (403)..(403)
<223> n is a, c, g, or t

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<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<400> 3259
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tttatccact ctctttcgtc ctgtcatctg atcacctatt ttctcgccaa gatttttct 120

atcccatggc cgcatttgtc ttaggttaaa catatattct tggaaacatg aaatcacaac 180

tctcaaaaac cgtgaaccac cagaccctcc ccaggacacg gaggcagcta ccttcaaaga 240

aaactaccat gaacgctaaa gggtaaatag aggtccagct gtggctgctg ccctgagaac 300

ccagaaagat gggaagaaac agaantcttt tacacaccat gttttttttt tnctggactc 360

cttaggatca caactcctgt ccagccatgt tgcacccang acnggctgct ctgctnagct 420

ggtaantcag atctaggaca ggtccgaagc tgaggagtca t 461

<210> 3260
<211> 485
<212> DNA
<213> Mus musculus

<400> 3260
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aattgtcctc ttgtgaggct tatggttcct gcgtggaaag tctcccgcag aatgcagtcc 120

agacaagagc tgcaacaccc atcttcagca tctcgcaccg gaggcctgta agcagagcac 180

atccatcgag gctgtctgag tgtctgttcc tgtggcatcg cgctcatgct gtcctcactc 240

ccatgtacct cacgaatgtt caaagctcaa tggttgcttt aatccctgct gtctggctct 300

gctgagcccg acttccaggc ttttttctg gcagcatctg tggggccagg aacgggcttc 360

agatgactca gtgctgtgct tcatgcctga ctgccttctc tagagggaag gctggagcct 420

cctgcctgtt cagctcctgg caagccagca gcactgacca aaacttcacg tctttgttgc 480

ttgat 485

<210> 3261
<211> 350
<212> DNA
<213> Mus musculus

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<222> (292)..(292)
<223> n is a, c, g, or t

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<222> (308)..(308)
<223> n is a, c, g, or t

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<222> (313)..(313)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gattcaccta cttatgtctc ttaagtgcta ggaaaaaaat atgtgtgttg ttgccatacc 120

tggtttgtat aatttttttt ttttttttt gagtttatta tgtagcttta gctgtcctgg 180

aactctctgt gtagaccatg ttgccctaag agatctacct tcctctgcct acagattgct 240

ggggttagag gcatgtgccc atgcctggct tgtttaacat ctcattccca tnaatttttt 300

tattggtntt ttnatttaga ggctnttcgt gaagtgttga gtaccatgac 350

<210> 3262
<211> 545
<212> DNA
<213> Mus musculus

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<222> (29)..(29)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

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<222> (178)..(178)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (240)..(240)
<223> n is a, c, g, or t

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<222> (253)..(253)
<223> n is a, c, g, or t

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<222> (258)..(258)
<223> n is a, c, g, or t

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<222> (287)..(287)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (445)..(445)
<223> n is a, c, g, or t

<220>
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<222> (479)..(479)
<223> n is a, c, g, or t

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gatcctttcg ccctctccat agtatagaag ggacccttgt tttaaagacg attgcagtgg 120

gccataagct gggaattgcc ttattgaagg gaacagtgat tgcctaatga gaaaatgnat 180

tgtttgctac agagctgaat tgaatttaag ttggctgntt ccgaagatag cactttcccn 240

ataagcaaat canatttntt ctttttttaca taatggccaa attggtntat tttaccgtgc 300

agtccaagag agagctttgt cctgttaatt tttcctcacn aactttagag tttgtcagaa 360

antttccaca tggaaaagag aagcctccag catgttgcca agagccaaag aatcaaaaag 420

cttantttgt taacgtgtgg ctgtntctac ccccaggcag gaataccacc taagctaanc 480

aaaaatttct tcaaatgaca tttttattga tacccatgtc tgcatactct tgctatcact 540

tacat 545

<210> 3263
<211> 407
<212> DNA
<213> Mus musculus

<220>
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<222> (126)..(126)
<223> n is a, c, g, or t

<220>
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<222> (147)..(147)
<223> n is a, c, g, or t

<220>
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<222> (170)..(170)
<223> n is a, c, g, or t

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<222> (180)..(180)
<223> n is a, c, g, or t

<220>
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<222> (202)..(202)
<223> n is a, c, g, or t

<220>
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<222> (251)..(251)
<223> n is a, c, g, or t

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<222> (258)..(258)
<223> n is a, c, g, or t

<220>
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<222> (264)..(264)
<223> n is a, c, g, or t

<220>
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<222> (354)..(354)
<223> n is a, c, g, or t

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ttagacccag catcagggtg ccttatcaac tggagagcct ggctctatct agactggcac 120

cttgtncttg gttctcccca agcaacnggg aagggttgaa gttcagaagn ttatggtgan 180

cccagagaga agatagggct tntaagccaa ggttctgaaa cttttgacct ggaaacccac 240

agttcctttt ntcctcantt tacnatcatt gaggaggata tgagggttaa aaggggaaag 300

agaacaatca cagctaaggg acatttgcaa gctgctgtca gacttggaag ggtnaactac 360

ttaaaggaag attagaagta tcataaatcc tgaaccgaac tcaagtg 407

<210> 3264
<211> 303
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<400> 3264
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taccacttgc tttgtctcct ggttcactgc aaggccctag acccatgatc ntagtaagga 120

tgggggaggt ttggagacca gattgcagag gggacagagc tcacagcttg ggttccctga 180

accttgggga tttagttatt gtgaagggaa ggaagggcaa aacagaacaa aacaagaagg 240

ggtgggggat gacgacagag cttaggcagc ggagcagcgg gaatggcagc cttgtctccc 300

agc 303

<210> 3265
<211> 329
<212> DNA
<213> Mus musculus

<400> 3265
gctaggtgac aggtttagga catttgaaag catttccttg ggattataga ggcagtctgg 60

tcctttctca tgaggcgagc tgaggtgctt gttttaccac acactccagc tgtggtggtc 120

tcactcacca caggccccaa agcaatggct aattgatcat ggactgaacc tttgagccag 180

aatgaacctt gtctctttat aaattcatta tctcaaacat gtgttacagt tacagaaatc 240

cgaaaaatac atatggatct ggaagaacta ttatgggctg ctccaagaac tagcacagtt 300

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<210> 3266
<211> 201
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (141)..(141)
<223> n is a, c, g, or t

<400> 3266
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aaagctgggt ncagtggtgc acacctgtaa tcctancact gggaaagcag agacaagagt 120

ggattactgg tgcttancca ntctaggcag ttggtgaggt ctaggtttag ttagagattc 180

ggtctccaaa aatgaggtgg a 201

<210> 3267
<211> 125
<212> DNA
<213> Mus musculus

<400> 3267
ttgcagtttc ttctccagcc cttgcagctg ctgctgttag tacctcttgg atgaatccct 60

tcagtgtaac ccagcccccc aaacacgttt acacccgttc tcttttgccc tttggatact 120

ttcct 125

<210> 3268
<211> 147
<212> DNA
<213> Mus musculus

<220>
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<222> (28)..(28)
<223> n is a, c, g, or t

<220>
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<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

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<222> (48)..(48)
<223> n is a, c, g, or t

<220>
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<222> (50)..(50)
<223> n is a, c, g, or t

<220>
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<222> (63)..(63)
<223> n is a, c, g, or t

<220>
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<222> (73)..(73)
<223> n is a, c, g, or t

<400> 3268
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aantcatccc ctnatatttt ccccttcatg atgccctgcc ttaccacagg cacaaggaca 120

gtgactgggt ttggtcactg ctagcct 147

<210> 3269
<211> 473
<212> DNA
<213> Mus musculus

<400> 3269
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tgagcctgga aggccccccc tacaataatg acaagcaccc caatcccatc agctcagact 120

ctctgtcccc tccccccagg accccagagt gtaaggcccg ggttcttctg ccagcaaagc 180

cattcggatt gctccatctt tcaaggaggc caagccaacc atattagcca tactccacca 240

gggtcttcac cactcttctt tgggttgtgt tcatgggtcc tgttcaacct tcatcagtag 300

aaggctctag cccttcctgt ccatgtgaca gtgcacatca gcgtgcatgt cttatacgtg 360

cacatgagtg cacacacaag gaaaccaaca aaactccagt gtcgtcttct gcatgtggtg 420

agagggactt gtgaccccta tgtgacctcc agctgctgtc ctgtcttgta taa 473

<210> 3270
<211> 423
<212> DNA
<213> Mus musculus

<400> 3270
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ctgcgctccc agcgccagaa agagctcagt gaggctgcag ccgccccaag acgtgcgaag 120

acccgctttt cactgcgcct gggatccggg cagagtggag gctttctgag caacctcttc 180

cgaaggacct gagggttggg ggccagggct acctttttctc actctggagc tcaatttcct 240

aacagccaat ggagccgtgg ggtctaaaat gacttccaag ggaagtcttc catgccccaa 300

gaggtggaca gaggcacttt gggtgcaggg gccagctttg gggcaggtgc cccaggtggg 360

tggcgggggc agagctgttt atttttttgaa tctaaataga tctatctttt ctaagcgcca 420

ggt 423

<210> 3271
<211> 497
<212> DNA
<213> Mus musculus

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<222> (62)..(62)
<223> n is a, c, g, or t

<220>
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<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 3271
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gnacccggcc cctggcagtg ccaagctctc aacacccagc ttcagggatc gccttggggt 120

ctgttctggc ggagagtgta cagggaagga acctcttaat ggttcttggc atttgtcctt 180

tacggaggga nttttttttt ctttttttgaa acagggtttt tttgtgtgta cctctagctg 240

ttctgaaact cactatgtag actaggctgg cttcaaactc acagagtaca ggcgaagcat 300

ttggtcaacg agatgttatg agtgcctctg ggtgtactaa tttccaaagt gaagtggtga 360

ggggaaagcc agcctcaatc caactttaaa tctcaagttc tttttntttt taaaaagagt 420

ttttctctca attatatata taattattat tattttaaaa cactgtagac caagctttga 480

actccttgtg tagccaa 497

<210> 3272
<211> 524
<212> DNA
<213> Mus musculus

<220>
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<222> (50)..(50)
<223> n is a, c, g, or t

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<222> (111)..(111)
<223> n is a, c, g, or t

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<222> (200)..(200)
<223> n is a, c, g, or t

<220>
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<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<400> 3272
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tccagaagcc tgagggcaca gccttgagag aggccagaca gttcttgcct nctggagagg 120

tgggagcccg agctggctgg agagggaggg caggtatgtg ggcaccagca gggctgactg 180

ccagcatagc cctgcccttn tgaattgctn tgacagggcc agggantcaa gggcctcaga 240

ataaagaggc ttgctgccat ggctccctgg acacacactt ccacttggtc cctctgtccc 300

tttgccctct cctaaagggt gtcctgtgcc gggatcagca aggtgggtac agccttcatg 360

acggacctgc cagcaggtta ctcctagttc tgcctttgca tctcgtccct tgcctggtgt 420

ctgtgctgat agctcacgat gtgccattta atgtcccctg tgcctccatt tcccagccag 480

cactatcttc tccaggagga gagggtagag caacactgtc acct 524

<210> 3273
<211> 496
<212> DNA
<213> Mus musculus

<400> 3273
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tgtccttctg ccatgtggtc agggaagtgc actatacctt ctgtcttaga atatgaggcc 120

tgagtggcga caggtggtta ctgtgccctc atgccaccag cctttgtggg acccactttt 180

catatggaac ttgtacacag atttgcagcc ttaccacact cacacctcag tgatgggcat 240

aagttctagt tctctcctga atgcgctggg aaaatgatct tccttgtaat caacacttga 300

accagtttgt accaaatgac ctcaagttct tttgggaacc attgttaatt gtctgtctct 360

atagtctcag gatggagaga agcgagatga atgttcctag aggacacagt taacaggtct 420

catcagggat gccttcccag agggttggga gaaggaggtt gggttgggct gacagacctg 480

cttttggctt caggaa 496

<210> 3274
<211> 496
<212> DNA
<213> Mus musculus

<220>
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<222> (321)..(321)
<223> n is a, c, g, or t

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<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<400> 3274
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caacacagac tcccagaagc tgaacaagat catatctgaa atacaggctt tgcaagaggt 120

ggtggctcgg ttcagacagc tccgattaga cgccactgaa tttgcctgtc tgaaatgtat 180

tgtcactttc aaagctgttc ctacacacag tggttctgaa ctgagaagtt tccggaatgc 240

tgccgccatt gccgctctcc aagatgaggc tcagctaact ctcaacagct acattcatac 300

cagatacccc acccaaccct nccgattcgg gnaactcctg ttgcttttac cagcttnacg 360

gtcaattagc ccatctacca tagaagaagt gtttttcaaa naaaaccatc ggcnatgtgc 420

cgattacaag actactttca gatatgtaca aatccagtga catctaaggg ctccagtacc 480

cacttttcca agatgg 496

<210> 3275
<211> 486
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<400> 3275
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ggacagcatg tgtggcgact caagcacttt aacaagcctg cctactgcaa tctctgcctg 120

aacatgctga ttggcgtggg gaagcagggc ctctgctgct ccttctgcaa gtacacggtc 180

catgagcgct gtgtggccag agccccgccc tcctgcatca agacatatgt gaagtccaag 240

aaaaacacag acgtcatgca ccactattgg gtcgaaggca nttgcccaac caagtgcgat 300

aagtgccaca aaacagtgaa atgttaccag ggcctgacgg gcctgcattg tgtttggtgc 360

cagaccacac tgcacaataa atgtgcttct catctgaagc ccgagtgtga ctgtggaccc 420

ttgaaggacc atattttgcc acctaccaca atctgtccag ttgtattgac tatgcccagt 480

gctgga 486

<210> 3276
<211> 520

<212> DNA
<213> Mus musculus

<220>
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<222> (141)..(141)
<223> n is a, c, g, or t

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<222> (155)..(155)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

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<222> (168)..(168)
<223> n is a, c, g, or t

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<222> (175)..(175)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (290)..(290)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

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<222> (336)..(336)
<223> n is a, c, g, or t

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<222> (350)..(350)
<223> n is a, c, g, or t

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<222> (364)..(364)

<223> n is a, c, g, or t

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<222> (369)..(369)
<223> n is a, c, g, or t

<220>
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<222> (374)..(374)
<223> n is a, c, g, or t

<400> 3276
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tctacaacac tgaaattttg tagtattagc ccttgcattg ggacgttcag ctatcatttc 120

gtagtatatg tgtgaagcta ngagcgaaga atctnagccn ttgtgtancg agagnacata 180

attacttggt tgttagatga ctatngacag tctactaact gcaggtcaaa gctagttaac 240

ttctagctct aacttcttgg agcacaacta gaatgagcac tctccattgn aagatattag 300

aggcttctga ctggccatca tctaaganca taggtncaat tctatgtgan ttaaactttt 360

ttgncaatnc attnccttaa gaaaaccttt ttatgtattt atattaaatt cacaaactgt 420

taaactttaa agttttgttt tttaaacttt catggttgta gaaatgttaa tttgtaaaac 480

attaatttta aaactatgct ctttgttgca ttttatctca 520

<210> 3277
<211> 419
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<400> 3277
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aacttcaggc agtgtttcag tctagcagtt ggaagttgct acatgatttt tttaattcac 120

tctcatttgc tgagattatt agtaaaggca gctgtactag agttatacta tgcattacaa 180

agagctgtct tccattcatg gacatatgta ccccatgctc caccctgtca cctccgcagt 240

catgtctgta ctgctgacac tggccaggcc cagtgaagga acccataaga gcccagcacg 300

ataaggcttt gtacatgaca nttaggaatg atctgtgggt cttttaagag ccacctactc 360

actggggaat gggcctcaga taaaataaat ccactagagt ctagctcttt tcatataga 419

<210> 3278
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<400> 3278
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aggggtccta cactctgtgt ggtgggctgc cctgtggacc gtggctttgt gtttgatgag 120

tgtggaccac cttgtccccg tacctgtttc aaccggcaca tacccctagg ggaactggca 180

gcccactgtg tgagaccctg tgttccaggc tgccagtgtc ctgcaggcct ggtggaacat 240

gaaggccatt gcatctcacc tgaggtctgc ccaccagtcc tgcttactgg cgactagnca 300

gctcacatcc tgtccaatcc cagtcaggag cagcccctgg ttccatgctg agttaagaat 360

acccatatcc cgaacttacc tggccagagg ttacccctg gtgagcagta gtggagactg 420

ccctgctcag gcaatgggat cttatgccag tcctccag 458

<210> 3279
<211> 506
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<400> 3279
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atgtctgtgc accatgtgca ttcctagtgc ccaaggtggc cagaagaggg cattggattt 120

ctagaataga tggttctgag ccaccatgtg ggtgggtact aggaatccaa cctgaaaatc 180

tccgggaaga gcagctagca ctcttcacca ctgagccaac tcttcagccc catgctgcag 240

agacatttag taagttaagc ggagaaaaga cctgatttga tcttttggct tttacttctg 300

ttttgcagct tttaaagttt tatttgggga agaggnacac ataccttgtc ctgtgtatgc 360

aggtcagatg cacttgtgga cggcagagga cttgtggtag tccatttccc tctttccatt 420

atgctggccc taggatcaaa cttgggttgt cagtcttggc agctgtacct ttttacactg 480

cactgtctgg tcgctttgtc tttttt 506

<210> 3280
<211> 316
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
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<222> (71)..(71)
<223> n is a, c, g, or t

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<222> (84)..(84)
<223> n is a, c, g, or t

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<222> (86)..(87)
<223> n is a, c, g, or t

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<222> (91)..(91)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (124)..(125)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<400> 3280
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ttgctgagag nctgaaaata tagntnntgc naagcaggtt gagntaactt cagcacagag 120

gggnnttctg nagggcactg actagctcaa gctgaccnca gttacaatgc aaattanagg 180

tcagcttggg ctacatgana acttgtgtga aagataaaat aaaacaaatg tgtgcatagg 240

tgttctccaa tccagccctc atgaattgaa atggcaattt atttgctttc attaatatgg 300

ttcattgtgg gctggt 316

<210> 3281
<211> 502
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<400> 3281
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ccaagaagct agagctaggc cttctgggag ggatggggga cttggatgtc agtcctttat 120

agcaatctca catgcacagg tagtttctgg aatagcaatc tgcttgggcc agacttgtct 180

ctacagtatt aggttatggt tattgcttct atgacagaag gggtccggaa gccntggtgg 240

ctttggagtc tgagaaacaa ctggattgnt gtgtgtgggg gggacataca cctgtaggta 300

tggacacccc aggagtggac tgtcccagga tggcacagcc catggaagca tttggaagca 360

ttctggggct gtgttctatt ctatggtgtc aggcacggga ggcatgctag gggcgggaag 420

ggaacacaac agggtcattt cccaagggcc acggcattac aagaggggct gaagtgggta 480

ccaggctttt cctcattttt gg 502

<210> 3282
<211> 379
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

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<222> (52)..(52)
<223> n is a, c, g, or t

<220>
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<222> (62)..(62)
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<223> n is a, c, g, or t

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<222> (83)..(83)
<223> n is a, c, g, or t

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<222> (120)..(120)
<223> n is a, c, g, or t

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<222> (190)..(190)
<223> n is a, c, g, or t

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<222> (217)..(217)
<223> n is a, c, g, or t

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<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

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anaaagggnc aatggctgcg gtncgacggg ggtggggtgg gggctcctcg gtggctctgn 120

tactgcttgc tgtcaggctg aagcgcgtct tgggggcggg gttgggggga caggtatctg 180

cacctgaagn tttaggcgac acggaaaccg taacacncta aagcaaacag ccgggacgga 240

cgcaggcgcg ctgggcgggc ngaacgagtt tccgctccta ctttgcagca ggttnttgct 300

tgcttcttgc tggttggcag gcgcttaagt ttctttgcgg aaatccaggc aatttggaag 360

actgtttaat gaacccacg 379

<210> 3283
<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<400> 3283
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tctcaacaaa cctaataaat gtgtcaacag aagtattaca gctgagggtg tcacagctct 120

accatgagct acaaagtggc tcagccaatg aatgacttcc gagccttaag gaatttttgg 180

agtcttgttg acctccagag ctcagggaac ttattgcagg tcagcagtgt tgccatttgg 240

gggctctacc caactcctgc ggtttactga tgcctcagac attgaggcag gatatttagt 300

gtgtccttgc ccacccgtca gctcgacatt gttggcttga aagcttgtct ggtttttaac 360

cttgtcatna tttgagtgtc tccttgctta aagtga 396

<210> 3284
<211> 399
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<400> 3284
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ttgaaccact cacggtgatt ggttcctgag aagaggctta gtctctatgg agaccacact 120

gcagtggcta aacccttccc ttgcattgag acctctttac ctgtgacatc atccttggcg 180

ctcactgggt tatttaaaga ggcttgcagt tccttaagng gaaaactgtt ggcattctct 240

ggcagtgtgt atatctacca gtgtttntaa tnttgagatt ttctatacat gancactcct 300

agtcatttgt tataatgaag aatccaggca cctcttaaat aagaaatggt acatagtaca 360

ttttagantc ctgtgggatc cacagactat gtgttctta   399

<210> 3285
<211> 484
<212> DNA
<213> Mus musculus

<400> 3285
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aaatatcgct atgtcaagaa gagggaaacg ttgtaatggt ggcaggtttc atccgttacc 120

ttaccatctc agtatgcttt ccattttcag ggagcgaggg gggaagagct cacttcccca 180

catcttcctt atgctgctag agaggtacga ctctcttagt tctgtgctaa atttaaatta 240

agatgtcagt caggaagctt ccctggcttg tcagatcagt gaattctccc tgtaaaactg 300

gcaagatgct ttctcagtgg agaaaggact ggctcctacg agagcagaca gaactaagcc 360

aaccgtgtac ttgacttgag cgacttcctt acgacctatc aattaggctc tagggccagc 420

gcctggggga tcctgcttgt ttgccactgt cagggttctt tgccctggcc agttactaat 480

gctg   484

<210> 3286
<211> 507
<212> DNA
<213> Mus musculus

<220>
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<222> (384)..(384)
<223> n is a, c, g, or t

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ttggattttg catcactgga gatggcatcc cccagccttg tgcatgccaa gacactgccc 120

ctcatcctct catgctcaga attctcgtcg ctgaactttg tagttttccc tcttaatggt 180

tcagttctct gccacttaag agtcacggca ctgcctgcct ggcctcagtt gtccagaaca 240

ggccagcatg ctcacagggc ccagcaagtg tgccggttta tttcttgcac ccgtctcctc 300

acgaaccagt ccaatcccaa ttcactttta tatttcttgt atactgaatt gttatttccc 360

caaaaaactg cctcgaacag aaancaacac cattgtgact taattctaaa aatattttta 420

aagtatattc ctttcagggg tggagaggag gaacttctgc tggaattcta caggcagcct 480

ctggccgttg tctcagaagc ccaacaa 507

<210> 3287
<211> 443
<212> DNA
<213> Mus musculus

<220>
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<222> (72)..(72)
<223> n is a, c, g, or t

<220>
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<222> (83)..(83)
<223> n is a, c, g, or t

<220>
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<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<400> 3287
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tcaggatgac cntgggagcg ccngagtttt ctttgctcag tgaggaaacc cctgggtttc 120

agagtaactc ctgctggcac actgggaaag acttttaaag ctggaattaa aaaaccaaac 180

caaaccaaac caaatcaaac caaaccnaac caaaccaaac caaaccaaac caaaccaaac 240

tgaaacaaaa agaaaaacaa accatctgat ccatggcgct gttgcctgnc tagggcaagc 300

ctgcgtncgg gggnggggcg gggtggagtg agggggaatc ggaggaggtc agaccttcag 360

tttctcaatc caagagtgtg gaatgattct tgttttagtt ttacntagtg tagctcactg 420

tttgcaagtc agggaaccgg ccc 443

<210> 3288
<211> 515
<212> DNA
<213> Mus musculus

<400> 3288
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agcaccacac tcagttctgc tgcatctgct gacttgtctg tgagctgaca accgtttaac 120

aggctggttc atgagggcca gtctcctggg gactgaacat tttcacaaaa cctctcttga 180

ctattgttac aaagtcagat ttgagttata tttgctctga gacaaaatta cacacaaaaa 240

cactaggtgt tttcaggaaa ccaagttgat catatgcaaa atttgtagct tatttttcca 300

gaatttcaga aattataaat ccttagttgt caaaatatat taatattaca aatttcattt 360

caatagcctt attgggctcc cgggtgtagt ttcatggtag agtgcttact taccatgtcc 420

caaggctctg ggttcaattc ccaacacaga aaacatccca gagtcttcaa accccggctg 480

tttaaaagtc atacctgatg gtcttcctta tgttt 515

<210> 3289
<211> 361
<212> DNA
<213> Mus musculus

<400> 3289
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tatttcctgt ccacctctgg cctacacgtg tacacgcaca aatacacaca cacacacaca 120

cacacacaca cacacacaca cacacaccct ctctctctga tgaggaacag atgtctagcc 180

tgcaagaagt tactatgtta tagagggttg gtcacatcag aaaaaataaa acctagaatc 240

acggttcatt gttgtcactg tgctgccccc tgctgaccat gtgacactta cggacagtgc 300

tgtacaaaag aatgccttta ataactctg agactggttg ctgactactt ttgctttttg 360

t 361

<210> 3290
<211> 453
<212> DNA
<213> Mus musculus

<400> 3290
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ggagctgaac atggtgtgga tgttaatggc cctgtataac ttgtgtgctc atgagctgat 120

gcagagggta gtttatgaca gctggccaca atacagagcc aggagacagg aagtccacag 180

catagttagt gagtttctag gaggtggctg aaaattgttc tcgaaccata tctacacagt 240

agtgagcctg aattaaatgg tggatggttg gagtggccag cgaggctgag agccagccta 300

caacctggct gctagtctct gccctgtgtg accatgtcac tcctatgagc cagcttggca 360

ggtgactttg cctggaacct ccgtagcctg aggacgggtg tattagtggc ttgttgcact 420

taccttctga cctgcctcaa atggctcttt cta 453

<210> 3291
<211> 220
<212> DNA
<213> Mus musculus

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<222> (137)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<400> 3291
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gctggttagg aaggtgggag gcaccccggg gcgagcacta cctaccaggc tgtgtgattc 120

ttgacaaact gtaattntgc acagtggact aaacaaacaa taaaggtgca gtgggggaaa 180

ctattggtnt cnccaacttc ctcgtgagcc cgtgtgtaat 220

<210> 3292
<211> 544
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
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<222> (211)..(211)
<223> n is a, c, g, or t

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<222> (259)..(259)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(326)
<223> n is a, c, g, or t

<220>
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<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (511)..(511)
<223> n is a, c, g, or t

<400> 3292
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cgtggtttca gatggctaca caagcatcag cgtggccccc ctgaggcagc aaagcctgag 120

gacatcacca catcttcagt cagaggcaca gagcttacat ccccgtggac ctcagacttc 180

atcctggcct ggggcagcag catgnaccac nagacaccag catggcctct ggtgacatca 240

tggaccatgg tggtccttnc cagnaggtcc nnatcnagac attgaacttt tcntcatctc 300

aggcctcnat cattgancag agccnngatg atcctgtgac ctgactgggt ggcaggttcg 360

ggacctgagt ctgcagctgc acaagctcca ggatgctgca cagcaccctg cacaccttan 420

tgcgctatga cggcaggtta accctctntc ttccctatca ccacgtctcc agttctgcct 480

ccctccatag agcacacacc gctgttttct ntctttccca tctccccatc acatatgatc 540

atca 544

<210> 3293
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

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agagccatgt caccgggcat caatggagca gaagcagacc caggggagca tggtagaaga 120

actgggggg aaactgctgt tctctgaagc aggaaaagac aaagttcaag tctaggagaa 180

acaagtatgt ggtcccatgc tcaaaaagca gaccagagct ggggatgtac ccggctccgg 240

ctacgcttcc atctcatcag cctaaaacac tgtccaattt accttgacat caaccagctc 300

atttagaaga aattgttacc agaaanctct ctaaaagaca caactttaaa agccacccaa 360

atgatttctt tggctctggt taatgtcagc agcagcaggg aaagaggcag ggccttgtga 420

catcactaac agtggcctgc agaagtccct gtcttcagac agacctttac tgaggcaaac 480

ccaggattcc tggtttcatc atgga 505

<210> 3294
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

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cctgcaagtc aaggaagcag tctacggtct tgcctgtgtg cactggccct gtattcagaa 120

agtctgtgct ttaaaacata ttctgttagc ctttattgtc aacacatcag agaggaaaac 180

ctaactgagg aaccacagag atgagatcag cctatgtagg atcatcctga ttgctaatca 240

gtatatgagg gagggcctag cccactgtgg gcagcgccat tcccctgaca gtggttctgt 300

cctatataaa aantctaagc aggagcctgc tagctagcca gcagggtttc ctctggtttc 360

tgtttttcaa gttcgttcct gcctgagttc tgcctcaact tccctgaatg aa 412

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<212> DNA
<213> Mus musculus

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<222> (87)..(96)
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<220>
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<222> (98)..(103)
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<222> (105)..(106)
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<222> (111)..(111)
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<222> (174)..(174)
<223> n is a, c, g, or t

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<222> (236)..(236)
<223> n is a, c, g, or t

<220>
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<222> (326)..(326)
<223> n is a, c, g, or t

<400> 3295
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atgttagcaa ggataaggtt gagtaannnn nnnnnnannn nnnannaaaa ngtagaatct 120

ccttaccaca gcacatcatg agtagcattt gcttccagct ggagactagg caangttgct 180

tgtatgtttg ggcagtgtcc acgctggccc atcaaaacat ttgctccaaa aaccanctgg 240

agagacctgc cttctagact cagcaaatgt gagacaatat catcctgctc atcctaaaag 300

acccaagcag ggatgcctgc tgcctncccg cgactctctg gacaactttt cttcctcctg 360

tttttatgac atgcccattc ctgggccatt tgtcaaacat gccttatctc tggtaatagc 420

atcttgtttg gtgtggtttt tgaattctag gcagaccatg cccagtataa tagtcttgga 480

caaacattct tcctgtctgg agtat 505

<210> 3296
<211> 438
<212> DNA
<213> Mus musculus

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<222> (86)..(86)
<223> n is a, c, g, or t

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<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

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<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (198)..(198)
<223> n is a, c, g, or t

<220>
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<222> (212)..(212)
<223> n is a, c, g, or t

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<222> (245)..(245)
<223> n is a, c, g, or t

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<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<400> 3296
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actgcttgcc tgttcccagg cacacngcat cntnctanct ntattccana ccttngcngc 120

tctttaactt tgntgantga gctatgtgga aaaggttgta acacacanga gacgaggaac 180

aactggtcca tgtgttgncc acatcatcca gngtccagtc cagcccagcc cagccctacc 240

aagtntagcc agcactagtc agtaacacaa tcctccttt tattaaatca agatttggat 300

gtggcctccg tcctacctta gtgttccagg taattatcac cnacntgagt ggcaatccta 360

cttnaaaccc ctttactggc tctgatcttg accttataac aagtaaggtt gctttgtgca 420

cccacacgga aagatgtc 438

<210> 3297
<211> 472
<212> DNA
<213> Mus musculus

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<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<400> 3297
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gctgtccagt tcagccctcc cagctgtggg atgcttactg ccaggttaca gctccccatc 120

ctgccatgag ctgtcccacc acggaggtca cttatgcacg tggcattgtg aacttgatac 180

taaaagagtt agtgcccaag ccccacctgg agacgaggac tggacgccac gttgtggttg 240

aagttattac ttgcaatgtc atcttaccac tgatcagcaa gctatcagat cctgactnga 300

tccaccttat tcttgtgagt atcttttcca antacagaca tgatncagca cagggnacta 360

aacccccctn ctcatccagt ntcctagagc ancctcggt gcccacatct ctgccattga 420

ttgttgaagt agagagtctn ccagtaggaa aagcatcttc tccagcaaca gc 472

<210> 3298
<211> 475
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<400> 3298
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tctcacacta cactactcac agagaggaat aatttcaaat tgcctgtgtc agcaaagtgg 120

gcggtgcaca ggctgaggct tcagtggtct gcagggctga cctccagccc agtctcacaa 180

gctcagcgtc tgagcagggg acaggcgcac ttccccttct tccctgcctt ggtttttttc 240

tgatctttta ctggaaggca ctnaaatcan ccctagagat tccttatatg agatactacc 300

tggatcaagc ccatatgttt tcatggtgnc cttcactgaa acntaccaaa tgggcaaaac 360

ttaaagtgag atgctcggga aagtgacnga ctaattgcat gcactactcc ttcagtgaac 420

tcaagttcag tccccagaac tcatctcggg tggtttacca cctcctgtaa gggat 475

<210> 3299
<211> 421
<212> DNA
<213> Mus musculus

<400> 3299
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aatctgttgg tgatgtttat gtctatgact cctaatctct ttcctaggtt ttctgtctcc 120

aagcttgtat ccctttgtga tttctttatt gtttgtattt ccatctttag attctggatg 180

gttttgttca aagtctagct tcctcctgat tctgtgatct ggggcatttc agagcacctg 240

ggagttgggt ccctctgggt gttgtaagag tgggtgcaga gccagtaccc caggtctgct 300

ccaggtgcag gttcagacca gaaggaaccc gtgccactgg gctgactagg gttcctatgt 360

ccctggatcc tgtgggacca gttactctgg gtattgggac agatgttgtg gtctcttcac 420

c 421

<210> 3300
<211> 413
<212> DNA
<213> Mus musculus

<400> 3300
agtgttctgt gcctaccagg taacatggag cacagaatac ttggcttccc agaagtgtat 60

tcagagactt ggctgccaga aatgtcctgg ttacctcgga caatgtgatg aagattacag 120

actttggcct ggcccaagac gtgcacaacc tggattacta caagaagacc acaagtggcc 180

tgctacctgt gaagtggatg gaatcagagg ccctttttta cagagtcttc acccaccaga 240

gtgatgtctg gttctttggt gtcctccgct aggacatctc accgtatcct ggcatcccag 300

tggaagagct tttcaagcta cttacagagg gccactgcat ggacaagccc cacaactgca 360

cacgtggcct gtacatggtc acgtggggat attggcatgc agtgtcttca gag 413

<210> 3301
<211> 451
<212> DNA
<213> Mus musculus

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<222> (216)..(216)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
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<222> (248)..(248)
<223> n is a, c, g, or t

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<222> (254)..(254)
<223> n is a, c, g, or t

<220>
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<222> (261)..(261)
<223> n is a, c, g, or t

<220>
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<222> (267)..(268)
<223> n is a, c, g, or t

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<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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gaggtgggtt ttggtatatg gtaaagaaag tcttaattag aaagaattag tttaaattta 120

tgcattgaag atttataaaa aatcaggcac tagatgttga ataattgacc atatggggct 180

ggagagctag ctcagtgatt aagagcacta tcatanagat taacctnctc ttgcanatat 240

nccagtancc ttgnatgact ncctcanngn atacntcctt ttagaattgt tatattttga 300

tgatttatat taataatgat gttacctgtt ctgtatgtga ttcactgaat acatagtttc 360

agagttgtaa tgcttggatg atttttgttg gtatttgtga ttgattcact ggatacagtt 420

tctaagagat gcaatgtttg gattttaatg t 451

<210> 3302
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (305)..(305)
<223> n is a, c, g, or t

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aaatttcata tggctacacc tgtgttatca gaggtgggtt ttggtatatg gtaaagaaag 120

tcttaattag aaagaattag tttaaattta tgcattgaag atttataaaa aatcaggcac 180

tagatgttga ataattgacc atatggggct ggagagctag ctcagtgatt aagagcacta 240

tcatanagat taacctnctc ttgcanatat nccagtancc ttgnatgact ncctcanngn 300

atacntcctt ttagaattgt tatattttga tgatttatat taataatgat gttacctgtt 360

ctgtatgtga ttcactgaat acatagtttc agagttgtaa tgcttggatg atttttgttg 420

gtatttgtga ttgattcact ggatacagtt tctaagagat gcaatgtttg gattttaatg 480

t 481

<210> 3303
<211> 349
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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ccccacgccc cattggatag acgtttggcc cactgtgaga gccagatgcc atgctgggtg 120

ctgcttgagg caccgtgctg agtggcttca gtctccacgc agcctgatgt ctgtaaactc 180

acaatcctgt atcctgagtc cagatatagg agttagcaaa ggccagaggt gagggaagat 240

gaggccaggc cgcagtaaca acagctacct ctcgcatagt ttatggtgtg ccagatgcta 300

ttctaagcac ctccagtctg gtttgttgct agtactgact ccattttct 349

<210> 3304
<211> 442
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (253)..(253)
<223> n is a, c, g, or t

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<222> (271)..(271)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cccctgtgta tggccccccc ggttttgcat cctgtgtgct gggattagag cacccaggcc 120

tgctaacttc cttaagtcta ccactgacct atatataagg cctatctttg ggtttgtttg 180

tttttttttt tttttaactg gtttttgttt tcttacatgc gtgantattt tgcnnncatg 240

gnantggagt tanaaattag ataagatttt ntatgatttt gatttntgaa ntttgataac 300

cctatttcta aatttcataa gcanccttga gtggcagcta ttaattttac aggtgatata 360

tattgcttag gaaatgataa aatgaagaaa ataaatactt tcttgatttn tcaacaagtt 420

aaaaaccact ccaggcactc ag 442

<210> 3305
<211> 444
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ttttgattgt tttcaagata ggatctctta tgcagctctg tttgtcctag aacttgctat 120

gtagaacagg ctggcctctg ttaggattaa aggcatgcat taccatgccc gggtcttatc 180

tgcctttgca gttagtactg ttttttttt ttaattttta aaatatttat ttatttactt 240

attatatgta cgtacacttg tagctgcctt cagacactcc agaagaccgt atcagatttc 300

attatggatg gttgtgagcc accatgtggt tgttgggatt tgaactcagg accanttgga 360

agagcattcg gtgctcttaa ccgctgagcc atctcatcag cccagtactg tttatttttg 420

atactcttgt atactgtgac agga 444

<210> 3306
<211> 410
<212> DNA
<213> Mus musculus

<400> 3306
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ctttgacagc tcttcagagt ccgtgaggtc gtccagagct gcgatagtag aatcttcatt 120

gctcgccgac tggtggtttc ctgagtcctt ggaagaaaag tctttggagc aatcctctac 180

actcacctgc acaagaggag ttgtgctcag gctgaggaca gagggctggc tggggatgga 240

gggggaggag gcagcattgt tacccaaggc accaccattc ccttggttca tcatctcttc 300

ttcttcatca ctttcgacta ttctgagagg tgggagaggc tcaaacacca gagagtcact 360

gtcggatgtg gacagtatag agtgtttctc tggcccagat gttgagtctg 410

<210> 3307
<211> 110
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
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<222> (29)..(29)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 3307
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aagctgccct gctattggga agntcccagc tactgcaggg ccagggaact 110

<210> 3308
<211> 545
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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<222> (122)..(122)
<223> n is a, c, g, or t

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<222> (297)..(297)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (343)..(343)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (446)..(446)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 3308
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atgaaacaga tatgaaccat gttcanaaac ttgatgacgt acctacgcat ttggagaaac 120

antgggggca tttcttctgt gtttgatcca gcggagacca tctgccagca atcatacact 180

gagagtgaag gcagggataa aaaacagaag atttttatca ttgggataga gataaatcct 240

ctcttgatgg ccccttttg gggctcctca cttacacgct cactgttgga agtgaangcc 300

agagccaatg gacacaaaca cnntgtatta tttccttctg tgnaacttaa taataccnaa 360

ggagttccaa caggagacaa gcagatttat aagatgctta aatggaagaa acaataaagg 420

aataactttg tgtaacaggt ttatgnccta aactctgcaa aacccaggac atttaaaata 480

cagacagcaa acatatntgt tagcaggttt cattgtgggt ggctggtcct taagtttgca 540

tgaaa 545

<210> 3309
<211> 300
<212> DNA
<213> Mus musculus

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<222> (171)..(171)

<223> n is a, c, g, or t

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<222> (173)..(173)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

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<222> (255)..(255)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<400> 3309
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tctatccacg ctctgctctt cgaagtcacg ctgttgatgt gcctcgcaga aaggccactc 120

atcttgaggc tgcaagcttg gagaatgtgg ctttatcact aatgctttcg ntnttctctg 180

tgaaagaaaa acatnctctg gagaattaga aanacagagg tctgtaagaa ccagtatttc 240

tatgtttttt taccnaacac ttagnacagt gttaaatttc agattaacct ttaaatgcta 300

<210> 3310
<211> 509
<212> DNA
<213> Mus musculus

<400> 3310
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cacatttgcc tggcaagcgc ttactgactg aggtattcct gtagcccctt ggctgcattt 120

ttaacagact tcctcatttc cctttgaccc tccttcatat cagtttctgc ccacagaggg 180

gaaaatgtga agccagggct gcacatctga gtgatttgcc ttctgtggct tagctgactg 240

ggggaggagg ggcgtgggga acactaaatt ggattcctat gctcctgttt aaatcttgtt 300

tttcattgtg agttgtacca gcaaagctct gggagataat catgaaaatg tgtagattgg 360

cagctaattt ttgaaaaaat gaaaagaatc agagatgaaa taggagcgct cagaagtttt 420

tatgttctcc caacctgttt tgtcaaattg ttacacaaac ctagaaggtc tctgactaga 480

tacaaagacg tcgcatattg ctgctcttt 509

<210> 3311
<211> 463
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (246)..(250)
<223> n is a, c, g, or t

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tggagaatga cacctgattt aaagccctgg ttttactctc tgcaatgtcc tctacttttc 120

acatctataa cgtggacttg agggctaggg gtgtgactca gcagaaaagc atctgcctag 180

catgcatgag gcctcgggct ccatcccaac tacaggagta gaggggggatt tgctgcctgt 240

cttgannnnn gtagataggc cagtctctgc tgctggttct tggtgaaatg agctggacag 300

tgtctcctag ctatgtgggc ctttcttggc ctagagtcat aaagttatgg ggtgtaatct 360

tgggatgtta ccatgactac agaggtgcta gagctctagc tcggttggta cagggcttac 420

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<210> 3312
<211> 385
<212> DNA
<213> Mus musculus

<400> 3312
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acccaagcca ctgtttgctt atttttgttt gggtttcact atgtagtcca agctagcctc 120

ctgcctcagt ctccctagtg ttggcattac agacatgtcc tactatgctt gatggttatg 180

gaccaggtat tgaaattgag gaaagatgga gacaggtgga aggtagaaca cctaatggga 240

tcctgaaccc ctttacctga aaatgtcctc atcatctttg ggaggctaag tattttcctg 300

tggaggtttc ggatcttctt gacaagatca gaggaaatgg cctctgggct cacaaaagtc 360

ttcagctcgt acctgcagac aagtt 385

<210> 3313
<211> 432
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

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<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

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<222> (262)..(262)
<223> n is a, c, g, or t

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<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

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ttattctcaa tggctgatgt atgggtctgt tttattaaag tttgtcactt aggaggaaat 120

gatatcagtg taaaagatgg acagcctccc tgaatgggat gctgtgttgg ctaaacttga 180

accaagctnt gaagcatcaa agcattgaat ttnttcttcc ttccaaccct ccncccactg 240

tgaaagctca cagattccac tntttgcagc agcttactcc caactntcct ccaccttacc 300

gtttaggtca gtcacactcc atcatcaaat ccctntcctt caaaatgaaa cctgaagtct 360

agagaggggg tagaaagaac attgttccaa tcttcaaaag gcaggctgac atcattttcg 420

attgttccaa tc 432

<210> 3314
<211> 489
<212> DNA
<213> Mus musculus

<400> 3314
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aagagcactt gcttctctgg cacaggacct gggttaccag cacccaatgg tctgaaactc 120

tagttacagg gatctgacac ttgcttctgg cctctgtgga cactgtaccc tcatagtgct 180

tatccatgca tgctgacaag acagtaacac acacataaaa ataagtataa gtaagtgaca 240

acccccacta aggtacttga ggcatcagta gtcagccaca aaaatgtgac gtgtatggag 300

aagggtgttt gggaagattt gggatcaggt tcacttctgt tcaagtttcc ttagctggac 360

ctctgttatg ggctaagtat aggggaatct gggaactgtg gtctatctct gtgtctagga 420

agtcacatta ttatgctgtc taaggtacag atttcatatt tcatggaaag ctatccgtgt 480

atttttatg 489

<210> 3315
<211> 522
<212> DNA
<213> Mus musculus

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<222> (96)..(97)
<223> n is a, c, g, or t

<220>
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<222> (103)..(103)
<223> n is a, c, g, or t

<400> 3315
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agctccagac cctagctcag acatttttgt tttaannaaa agntttggc atcctaggaa 120

gttgaggcaa ggatgaagca tccgagctga gtgtcagtcc taggtgactg caggttcttc 180

tggcagagac tgggtattca tacagggtta ttgatgaact actaatgttc aagaatatgc 240

aataagggct gaagagatgg ctccgcagtt aagagcactg gctgctcttt cagagaaccc 300

cggttcaatt cccagctcac atctgtctgt agctccagtt ccaggacttg taatgccccc 360

acagagacat acatgcagtc aaaacaccaa tgagtataaa aataagtcat atatttaaaa 420

actttaatgt ggtggcctgg tggcacatgc ctcgagtctc agcactcagg gcagacacag 480

gcaaatctct ttgagtttga ggtctgcctt gtctattaat ga 522

<210> 3316
<211> 402
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<400> 3316
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ttatttccct cttttccttt ctcatatgca tgggtgtgtg aagtacggtg ccaggctctc 120

agcagttgct aacctgagat ttctgtgctg atccccagag gttgggtctt ccagatccct 180

ctcaggctcc ancngcttgc tttccnnctg ttcctttctg tagnatagtc taccngctta 240

gtgattcgag tacacatata atatatgaca ccctgcatag tgatgaaagt acatatgtac 300

tacaccctcc ttagtgatgt aagtgcacac acacacacac acacacacag caccctgctt 360

agtggtaata agtacagact tgatttctgt caggctctct aa 402

<210> 3317
<211> 513
<212> DNA
<213> Mus musculus

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<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (312)..(313)
<223> n is a, c, g, or t

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<222> (315)..(316)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
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<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

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atttactgtt ttttcttcaa tttctggaat ttacatttga ctttatttct agataaattt 120

atgagaatgt tcatttccct attcttttgt tttacattga aaaattaaat gcagttctat 180

ttttgtctct ggggttattt tgattgcctt atttaaactc acaatgccta caaaagtggc 240

tagcactggc cctacttggg acattcgaga atttgagaaa atncctgaan tttcaaccta 300

ntgaatgagt gnncnngnat ccatntccnc tttagaccag aacctgtggc acnaantctt 360

ctcattcatg tttagacact gacctctaga aagganccag caacatccca agaaacacag 420

gagggaatgg acagcaccag tctttcctaa ctcagctgca gtcctgaaac ttgtcagcta 480

agagctgctc ctcccaaaag tgttgatggc ccc 513

<210> 3318
<211> 527
<212> DNA
<213> Mus musculus

<400> 3318
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gtaaaatctt taaactgtca gtatccagga tacttcttgg ttttttagaa atatgaagca 120

aaattggctg tattttgaaa agttatttct gtgtctcctt taagggagat tagtaatcct 180

acacatgctc tttggtggct ccttctaggg agctgtgact atatctattc ctcctacata 240

gagcactgac agagcggaga cggtgccact caagtccctc ctggtgaact gatgagttta 300

gcgggtcacc tacaggagca tggccaacag gttcattaat gcaggtgcat taccaggaag 360

gcagcatggg taaccaatca ggaaagctgc aatctttttt ttttttttt ttttttgaa 420

aattatagta tcacaacaga aaaatctaaa ttttatacat tagcagagaa tgtatttctt 480

ttagactaca gtcaaatatt cctggcccag acctcagtta agacaat 527

<210> 3319
<211> 489
<212> DNA
<213> Mus musculus

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<222> (41)..(41)
<223> n is a, c, g, or t

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ctgacaagca gagacttgga aatagcggat gaatttgtca tcctcagagg gccctcgtgg 120

atgcaagccc ctaagcaaga agctccagga gggcctcctg acagtttgca ggatttggct 180

gtggcagtgg cgggatttag gagccatctc acagtctttt ctctagtgga ctgaattcca 240

gacccacagc tttaccaggg aaacccccttg gctagctcac tgctttgttt aagaaggcca 300

gagaaaatgt ttctgacgtt aaaagcagaa ggtagattaa acaggaagtc agtcctctaa 360

gacatgctca ggagctgttt cagaatgagg aagtgaaagt ctgtttgctg atccgtttgc 420

accgagggat acgcctttgg gacgtagctt actttatatg aaaatacagt gacaggatct 480

ttcgctaag 489

<210> 3320
<211> 496
<212> DNA
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<223> n is a, c, g, or t

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<222> (275)..(275)
<223> n is a, c, g, or t

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<222> (285)..(285)
<223> n is a, c, g, or t

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<222> (303)..(303)
<223> n is a, c, g, or t

<220>
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<222> (309)..(309)
<223> n is a, c, g, or t

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<222> (311)..(311)
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<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (347)..(347)
<223> n is a, c, g, or t

<220>
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<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
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<222> (424)..(424)
<223> n is a, c, g, or t

<220>
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ctgttgccta ggctggcctt gaactcctga gtttgagtga gcctccaggc tcagcctcct 120

aagtagctaa gaccccaggc gtatgccacc ttgcccagct aagaccccag gcgtatgcca 180

ccttgcccag ctacctagag ttggctgttt acttaatttt ttttcttttc ctttttcttt 240

ttctttttct tttttctttt gagacnaggt gtcangnagt ncagnctaga cttnatcctc 300

atncctctnt ntcccnnnnn nnagaattag aggtctatac cntcatnctg ggatttattt 360

tcatntatgn ttactgaaat gaattaagat gacgtaggtt caggttccgc tcatactggc 420

tacnttcctt gggtacacnt ttcantctca agatagaggt ggtggatctn tgcggttggc 480

ccctggtctg cataga 496

<210> 3321
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaaatactct ctcacaccag gctgggggtg tagttcaatg ctagagggag gacttcccta 120

acactaacaa tgccctagga taaatcccca gcgctataac acccaccctc caccctcacg 180

ctcacacncc caccagcaaa ctcncaagca aatgaccgaa gcgncaacgt natntgagaa 240

cgtttcggnt atnccaagag ctgagcccct ttcttntgca ggagaagcaa gacacccagg 300

acacgctgac cctcagcctc tgttcgccag gggtcaccga gcctgctgtc tgtcctgacc 360

tccccagcca gagctatttt tcagtttctt gtgggctaag gcccggatct gtctgtttac 420

tatcttagcc tggtgttttt gtactcaaaa gtttcgtaac gcctgcgagt atgttcttct 480

tcactggcta aattctgaga tatgaaaaat ggtctttcac ctacaattta g 531

<210> 3322
<211> 525
<212> DNA
<213> Mus musculus

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<222> (316)..(316)
<223> n is a, c, g, or t

<220>
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<222> (335)..(335)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atggatagga ggtggttcaa aggttacttt tcatggggct tgaaggctac cctggcaatc 120

tccgtatgcc atcaggtctc cctatcagat tagaagcttc tctaaggagg ctcagacttt 180

accaggtaca gaacaagcat ccatgactgt ctactgaccg acctggataa aagcactgac 240

acttgactgg agctggctgg gttcacagac cccctgcact gctctctata gaagcgggca 300

agtcattgac cttttntcgt tctactattc atganatgag natagtagca cttacccttg 360

ggctgggcga taaaagattc ataaggcaaa ttagagcaca cttagcataa tncccaccac 420

atggtntatn ccatgtaatg gctttanctg cccttntnat cttactagca tttcagttgg 480

tgtgaaatgg cagggttcan tcattcgctg catggtgatc actaa 525

<210> 3323
<211> 440
<212> DNA
<213> Mus musculus

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ttcaagaacc ccggcatgga gggcactaaa aaagaaaacc accagttcgt aaagtgtcac 120

ggctatcctg aggtgtctct ggtagcggta agggctgcct ggtatggcag aagggtgagg 180

tgactgttac cattcttgct tttctctgac acagacacta gtgtgtattg gtcttaagga 240

ttaaggaagt taacgtgggc tttaagtaaa gtagtacttg gagacagagt tgacacgctg 300

cctactatgg actagaaaag caagtgtaca actaactttt taaaaatatg tctggctcta 360

agagtgccac atagaataaa caagcagact ttgtccatgc atgcctacat acacattacc 420

ctcacagaca cttcacagat 440

<210> 3324
<211> 532
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (269)..(269)
<223> n is a, c, g, or t

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<222> (271)..(271)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (304)..(306)
<223> n is a, c, g, or t

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<222> (310)..(310)
<223> n is a, c, g, or t

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<222> (314)..(314)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 3324
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tacatagata attatactag agtttatact ggttgaagag aaagccatat tttgtcagaa 120

agtgctatcc tgggtcctca agtcccatca gtggtagcca gcaaagttgt tcaaccctcg 180

gtacctctgg ttcattctgt cctggacatc tctgtatata ctggggatta taagaaatca 240

tgatgtttta attgctgggc tanntncant nattnttnnn nnnnccnnnn nnaangatcn 300

anannngctn aaanactann aagagatatg gataatttna natntgatat tctaggttat 360

aatgctctat ttcataatct cacaactaag tataagttaa taagtttata gatactanat 420

ctaagtcaac tgtatagtat tcttctgaat aggtctatat ggaactgtga ntcctcagct 480

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<210> 3325
<211> 458
<212> DNA
<213> Mus musculus

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<222> (344)..(344)
<223> n is a, c, g, or t

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aaccaatcct tctgcctcta cctgtcagac caggtgtaca ttcttatgcc ggcttcaaag 120

tagcattttt atgtaatgta gtttttattt ttttagaaat cttagtgagg gattgatttt 180

actctgttct cctaaaggaa gtatttggtt ttcttcctgt cttcttgctc ttctagggca 240

gtcagtcaga cctgatgcca tttgttgttc cacagacatt ccctcattta gaggggtgtg 300

gtcctgaagg gctacagtac tgtcactttt ctgccttaag tgtnttcata acccttactt 360

tgaattttat ttgtttaagt gtggctgtat gatggcttta tcagatgtca gagctggttt 420

gctgattgta tttggagcca caatcctctg ttgagtac 458

<210> 3326
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (239)..(239)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aactctggtc tcactgcctt atcttacacc tgtctatatc ccaaagatga cttagtttct 120

ttggtatatc atggatatgg atgtctttgg ttcagagtaa ganactgtgt gtgtgtgtgt 180

gtgtgtgtgt atgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtnagaga gagananana 240

ganagagaga gagagagaat ctttatagga acattgtaat gcctcgggac attagtaacc 300

cctcacagta tttagtcacc gtatttatgt ctttttttt ccctaccctt ggtatgaggg 360

gaaatgattg atattcaagc aagttctcta gggggagaca acaaccatag ccagattctt 420

tccagctcag atatctgtgt cagctcagaa tgtatctttt tcatgctttg ctctgtggat 480

ttataactgt ttagactctt ccatacattt tag 513

<210> 3327
<211> 480
<212> DNA
<213> Mus musculus

<400> 3327
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tagaactgtt tttgtgttgt ttgtttgaaa gcatctccct tagtccaggc tagtctttaa 120

ccccatatgt atccaagggt gaccttgaac tcctgacatc tggcctccat cttcagaaac 180

ttggagcttt aagcagagga cttagatttt gttagctact tatagctgtg cccttggaca 240

aatctttgaa ataaactggt caatttctag tatggtgaaa gtggggatgt agttcagctg 300

ggagcgtgct gcctatcatg tgcaaagtcc ttgatctcca gaactgcata aaactaggca 360

acctgattcc ttaagaggca acgcaggatg atcataaatt atggtcattt tctgctacac 420

aggaagttca agatcagcct gaaccttatc tgcctgcctc tatctctcag ttgtcattaa 480

<210> 3328
<211> 504
<212> DNA
<213> Mus musculus

<400> 3328
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gttgttgggg tcagttttat cattgttacc tgctggcatt tggctgtaga ttggcctcag 120

agtccatttg ggaggtgtga tattttaaag gcacatgaac tgtcgtaaga acacagcaca 180

ataaaggagt ggctttagaa atgtaatgat atgcctgtgg agtgggatat ggtagagtaa 240

catgtaattt ggacccagtc aggaccttag ccaataggaa ctgtgagtaa ctatgggtgg 300

cttgcttcag ctgtaggctt atttcattgt agcatcacga agaataaata aggaaacctg 360

taagatccta agcatgtgct ttacacaatg aagggacaag ggcatgcaca ttgctcggag 420

tgggagatct agcaatagag tccatgatgc atcagtctcc caccacgtct ggtcctttag 480

tctgcctagt acctacttgt aagt 504

<210> 3329
<211> 495
<212> DNA
<213> Mus musculus

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<222> (54)..(54)
<223> n is a, c, g, or t

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<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(102)
<223> n is a, c, g, or t

<400> 3329
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attcaaaccc aggtgttnta gaagagcaac cattgctctt nncttccgaa ccatctctcc 120

agcccctaca taataatatt tttgacatct gtcttccatg gtttagaagg agtcaggctg 180

tctctgtaac tgagccacaa ctagcaatgt aaaccttgtt ccagagcata gacaataagg 240

cctttcagac agctatgcca agacatcctc tgtggtggca tcagccagga cttccactct 300

tggtgcctga ttcccacccc gctgcctctg cagcagttta tatcccggtg tcttcttagc 360

tgcacatatg acacctgtgc cctacaatgc ccaaaggaaa aataactaaa atttgctcct 420

gtcacccaaa ggtttgcttc ctagcctttg gtgtattttt tatcttcctt ttatctctgc 480

tcgtttgccc agaaa 495

<210> 3330
<211> 527
<212> DNA
<213> Mus musculus

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<222> (33)..(37)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (46)..(47)
<223> n is a, c, g, or t

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<222> (53)..(53)
<223> n is a, c, g, or t

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<222> (61)..(61)
<223> n is a, c, g, or t

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<222> (75)..(75)
<223> n is a, c, g, or t

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<222> (89)..(89)
<223> n is a, c, g, or t

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<222> (95)..(95)
<223> n is a, c, g, or t

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<222> (114)..(114)
<223> n is a, c, g, or t

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<222> (123)..(123)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (153)..(153)
<223> n is a, c, g, or t

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<222> (162)..(162)
<223> n is a, c, g, or t

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<222> (192)..(192)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (281)..(281)
<223> n is a, c, g, or t

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<222> (285)..(285)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ngtttactat tgtancccat agactagcng cactnattca ttagcttcaa tagnctttag 120

agntttctag tcacataact atgtcatctn aantggaggt tnactttaac ttttttaaa 180

aaatcttgtc tnacnncagt gtctcataat angntacagn agancnggaa gcaggttatt 240

tttgttaant tctaangaat ccttcagctt gttattacag natgntatgg gctgtgnggt 300

ggccatagat actctttgga cacccctcat ccccaagatg gcttctttgt gaagtccgag 360

ctgtcttgga actcactctg acctcaaact cagagatcca cctgcctctg cctccctagt 420

gctggaatta aaggcgtgcg ccaccactgc ccggccatag atgcgccttt tgagggtgaa 480

gatctttctc tttattttta gctctagttt tctgaggttc ttccttc 527

<210> 3331
<211> 504
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<400> 3331
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catctcaaac caggtagtgg aagagaacat gataaactga gtcttatata cactgagcct 120

cgcacaaact ctcagggtta ccccaaagga gctgtttatt ctttccatgc ctcctctgtg 180

agttggggtc tttcttgagg aagttagtgg agtggaagag ctgtaaatta caaagtgtac 240

tttacaaagg cattaagtat tgataaaaag aacaaaaggc atgagtatct gtcactgaag 300

gtgacaatag aaaagaattc aacatcaccc acccctgtct aatctcctcc ctgacgggca 360

gtgtatattc ttctgccaaa cattttttt ttaaatagaa ccaatgtagg aaaatcaggc 420

aaaataaaat gatgatcagt ccatgtcatc atggttagag caangaccta cagttggcct 480

ctacaaggcc aacaggctca ttca 504

<210> 3332
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

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agtacgcact gcctggggag aagctcacgc aagggattca aatttgtctt ggctgctttg 120

aagttttgga tagaaaagct gcagtcagag gctagggaga tggctcagtc agaaaagggc 180

ttgccatgga agcatggggc tctaagttag atctccacac acacacaaag ctgagcacag 240

caatgtgtgc ctccagctgg ggtggagggg agagaggagg acctcacagg aatgctggcc 300

agtcagtcta gctctaggct caatgaaagt cactgtctca aaaaataagg tggagagcat 360

tgaggaagac acttcatatc aatttctatt cttgtgcaca tatgcccaca tatgaacaca 420

caccatacat gtgaggtctc ctcacatttg acacccttg atccactgaa 470

<210> 3333
<211> 510
<212> DNA
<213> Mus musculus

<400> 3333
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tctaatgctt cctgtgcctg gttcacccag tcagtattga gtgtctttgt ttcgcactgt 120

gtaaaattct ggaggcacag tagacaaacg tgtaacttct caagcaattc tttcagttca 180

agaaagaaag gaagcttgcc cctagtctcc gcctttgagg aagtagtcta gggcagaagt 240

cagttctggg tatgtgctga ggaagttagg aaggtggatt gctggaaagg tgggctgctg 300

ggaagagatt gacattaaac ttctctggcc tcagttttct gtcaaaggga tttggtactg 360

tcagtatagc cttagagaag cgggaaggaa gggttggtgc ctgccttggg ctgaattgcc 420

tgaatgggct atgctacctg cgtttacatc catgcctggc acacagctgt agatgtagtg 480

aggaagacaa ctctggtgta gctgagacat 510

<210> 3334
<211> 386
<212> DNA
<213> Mus musculus

<400> 3334
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actcctgttg taaggagcaa acatgatgac tgacaggagt gcatcctgtg ttaaagtcaa 120

tgtggccgtg acttactctc atggttaaaa gcatcaacct ttataaaaga gcactgatca 180

cggacccaga actgtattcc taggcatttc ctccttacct gccctcattt taaaaatgtt 240

tccagatgat tagattgctg gtctgtctat gggacagaag attcagactg gcgcttgttt 300

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gagaacctgg aaccttggct actcaa 386

<210> 3335
<211> 480
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (308)..(311)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (341)..(341)
<223> n is a, c, g, or t

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<222> (348)..(348)
<223> n is a, c, g, or t

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<222> (360)..(360)
<223> n is a, c, g, or t

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<222> (376)..(376)
<223> n is a, c, g, or t

<220>
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<222> (434)..(434)
<223> n is a, c, g, or t

<400> 3335
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accaaaaaac acatagcaat ccaaaatgtt ctgaatataa aatattatat gaaaaataag 120

ggtctgaggt gaaatttaaa ctacctgtta atatataata aaggtgacaa tctacataag 180

acttaggact ttgaaaactg tgtttttcta aattaagtca taaatttgaa aatttgatat 240

aaccatcatg caagtgttgc tatgaatcac tctcttgata gatagatatg acaaatccct 300

gctantcnnn ntntntnntt tntttaacat gcacagagat ntaagtgncc cctagtattn 360

tttatatgtt aataantata gcaaataaat cctttcttct tccaaaagaa gaagggaaaa 420

tgtactattc ctantgaggc ataggtttaa agtaacaatt tcactgacct ttgctttcaa 480

<210> 3336
<211> 416
<212> DNA
<213> Mus musculus

<220>
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<222> (76)..(76)
<223> n is a, c, g, or t

<400> 3336
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gggctgcttg aactcntgcg gcctgtgaca gtcacttggt acagtgaatg gtggttaaaa 120

taatcagtgt aacacaccca ggttcaggac cattttgtga tggctcccat gccaggtgta 180

tagacaagaa ttcatagaaa ttcaccctga catgggctgt tttctggaca gaagcagatg 240

cataatttgc aatgaccagt gcaaaaataa aatgcagttc tcctttctta aaaaaaaaat 300

tagtaggtct ttcatgatga caaggcagga gattaaagca actgttttgt tgttgtacaa 360

ggactcagct atgtaactca gcttgggctg gaattcctct tgctttagtt ttctga 416

<210> 3337
<211> 536
<212> DNA
<213> Mus musculus

<220>
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<222> (144)..(144)
<223> n is a, c, g, or t

<220>
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<222> (161)..(161)
<223> n is a, c, g, or t

<220>
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<222> (182)..(185)
<223> n is a, c, g, or t

<220>
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<222> (187)..(193)
<223> n is a, c, g, or t

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<222> (195)..(196)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (222)..(222)
<223> n is a, c, g, or t

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<222> (255)..(255)
<223> n is a, c, g, or t

<220>
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<222> (270)..(270)
<223> n is a, c, g, or t

<400> 3337
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aacattataa tatacttttc cttcccataa tcccagtcct tagaagctac catgaggttc 120

tgatggtttt gtctaccttt ctangtcctg actcaaaata ntgtgacttg ctggtcgtgg 180

tnnnnannnn nnntnnatct cagccantgg gaggcaaagg tnggtggatc tcaaagaatt 240

tgaggccagc ctggnccatt tggtgagttn caggtcgtcc agagctacat agaccttgtc 300

tcaaataaac ttttccattt tcttcttttc tgtgttcctt tggaagctgg tcagagccta 360

acaatgcttt tgcttgtatc atgggcttcc ttggtctttc tgtaacatcc aacccaatgt 420

catgtggctg cttgtcctaa ctgaactgta tactggctta actcaaataa catggcttcc 480

tttggccctt ctttgttctc ctttggacag ctgccaaggt tcacagcatg tttgct 536

<210> 3338
<211> 357
<212> DNA
<213> Mus musculus

<400> 3338
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cttttcccag ttcagaattt caaactttgc cgaaccgatt aatttaaatg catgaaggta 120

cagcaaatat aacccagtat tttggtaact ctggttacct ctaagacagc tttgcctggt 180

agagatcttc tgtgaaacca caggtattgg gccaggacta cagcacaggg ccaaacatac 240

attccatact ggacatgcag gacctgcaaa gaaagttcat cattaacata cattattacc 300

atgacactcc tggcctgctc tagttcacac ctggcaggtt ctgaaaccag tcctttt 357

<210> 3339
<211> 466
<212> DNA
<213> Mus musculus

<220>
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<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<220>
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<222> (258)..(258)
<223> n is a, c, g, or t

<220>
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<222> (261)..(261)
<223> n is a, c, g, or t

<220>
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<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
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<222> (358)..(358)
<223> n is a, c, g, or t

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<222> (430)..(430)
<223> n is a, c, g, or t

<400> 3339
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cagatatagt ttgtggtgag ttgtttgttg ctttggtgat tggtgtcaaa ctcagggtct 120

catgcatact aagcaagaag tttaccatta aggcacaggc cagcacccag tcacccataa 180

tttttacacc ctagacagca attatgtttt ggtggggctt ttacattnat tgacattnat 240

ttacatttgt gttnttanat ntcctttact ctctcnccag ctctgaacat nttttaattg 300

aaaagtttat actaattcct gttattttat tgttcgttgt tgtttattca cggatacncc 360

atggtttatt ctttactgtg ccctcataaa tgtatatatt tctctttagt acatagtatt 420

gcttcatgtn tcctctgtaa tgttggcgat tacaaacagg agctgt 466

<210> 3340
<211> 553
<212> DNA
<213> Mus musculus

<220>
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<222> (250)..(250)
<223> n is a, c, g, or t

<220>
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<222> (262)..(262)
<223> n is a, c, g, or t

<220>
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<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (282)..(282)
<223> n is a, c, g, or t

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<222> (295)..(295)
<223> n is a, c, g, or t

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<222> (300)..(300)
<223> n is a, c, g, or t

<220>
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<222> (312)..(312)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (339)..(339)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (350)..(350)
<223> n is a, c, g, or t

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<222> (355)..(355)
<223> n is a, c, g, or t

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<222> (388)..(388)
<223> n is a, c, g, or t

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<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<220>
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<222> (489)..(489)
<223> n is a, c, g, or t

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actgatttca caatgactgt aaaatttaca acccctacca acagtgcaga aaggttccta 120

tctagccata caatcttcaa catttgttgt cagatttctt gatgatagct attttgactg 180

aagtaaaatg ttctcacaaa gcagatttaa tctgcatttc cctgatgcct aaggattctt 240

agcacttttn aaaacaggta tnggccattt gaggnttttt tnaaaactga aatcngtccn 300

atctatttgc tnatttattc agtagcantt ttatttccnt ngtnttaan ttctncaact 360

ctttgtaaat tctgggtatg agttcttncc ctgaaatgtg tctgataaag atttctccca 420

ttctgtgggc tntcctgttt gtttcctttn tcttacagaa aacagaataa aactaaacaa 480

aaagccccna acacaacaaa caaacataat cttgaacact aaaagaactg ctagaggtct 540

catcattccc aat 553

<210> 3341
<211> 540
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (506)..(506)

<223> n is a, c, g, or t

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gaataaggca gtggagtttg gaggtggaac caacttgaag gggattccaa aggcttctca 120

agactgtctg tctgtctgtc tgtctgtctg tctgtctgtc tctcagaaga ctgggtcttg 180

ggaagcccag tactggcttt ctatccaaga agcttatgtt ttcattccag gtctagatta 240

gatggaaagt cccactggaa ctccaggctt ctgaantctc ctttctagat tcagtaaatg 300

tntattgctt gtctaagatg tggcagacat tatgagttta angggggatc ttaatgatta 360

tattattgct tccaaacata tgtagttctt gaaaccacta gttaaacatt ggtaatctgc 420

ttttcaaata tgtaaaacag actagtactc cgactgactt tcttacggtg cacattccca 480

gtggtaggac atgatgttat ctgaantcag gtggtgacac caatagactc aacagcttcc 540

<210> 3342
<211> 544
<212> DNA
<213> Mus musculus

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<222> (28)..(29)
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<222> (33)..(33)
<223> n is a, c, g, or t

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<222> (35)..(39)
<223> n is a, c, g, or t

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<222> (42)..(43)
<223> n is a, c, g, or t

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<222> (45)..(46)
<223> n is a, c, g, or t

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<222> (50)..(59)
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<223> n is a, c, g, or t

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<222> (64)..(64)
<223> n is a, c, g, or t

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<222> (68)..(68)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (86)..(86)
<223> n is a, c, g, or t

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<222> (91)..(91)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (97)..(98)
<223> n is a, c, g, or t

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<222> (104)..(104)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (106)..(107)
<223> n is a, c, g, or t

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<222> (112)..(112)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (127)..(127)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (145)..(145)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

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<222> (153)..(153)
<223> n is a, c, g, or t

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<222> (175)..(175)
<223> n is a, c, g, or t

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<222> (181)..(181)

<223> n is a, c, g, or t

<220>
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<222> (192)..(192)
<223> n is a, c, g, or t

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<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<400> 3342
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nncnaaangn ggtnaatgat nngngngatt naatgcnnct ttananncct gntttaatat 120

nnctgtnaaa atcnaagatc acngnaggna ncnccatgtg gagtgataga atcantgtac 180

nggaaaatca cnctggtttc ctgggactcc tcctgcccnc tggcaattac agtgtattgc 240

tctccttcat cagcagctaa tgtatgtatg aaaaagtgaa gaaagggctg catttagcac 300

aggaaacagc aggccgtggt tctcagagtt gcagttgtat ggtttatgct tattactgtc 360

tagcccnttt tttaaaaaat gactggaaat ctaatctact agagagaaaa agtcactaac 420

tcattatttt ttgtgtccat ttttctgctc atcaatatat tactgtgcac agtttgatag 480

aacagatgta catagtgact gaactgtcaa catcacaaag aatccacaaa gtacatctcc 540

tgaa 544

<210> 3343
<211> 511
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (444)..(445)
<223> n is a, c, g, or t

<400> 3343
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aaaagtgtgt ggggaggggt aactaggaag gtttagaagg aggaaaggcc aaggagaaac 120

attgtaacga gaatacaagc tcaaaactaa nccccaacaa aaagagtaaa aagcatgctt 180

gcttacaacc ccanaagcca ccagtcatcg ctccaggcct ctggctccct ggctccttgg 240

ctccctgcag gtggcacagt gcccctagac acccacctgg cccaaggcta gctcctatca 300

gagttatagt cagcgagcac ctcttagtga cttccactgt caccatctcc taaccacatt 360

cctcttttgc tccactcaat gctactagcc agggtgagtg tagtttgttg gtttgtattg 420

cctatattct tcaagaaaaa aaanncgttc ctgagggcag gaactctcgt gttacttcac 480

tgctataatc cttgggtctg gaaaagcact c 511

<210> 3344
<211> 284
<212> DNA
<213> Mus musculus

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ttatacatta aaaaaacaaa caggacagtc tttcaaacag gttgcttcaa taaattaccc 120

agggatctct cttcaaaagg tttccttagg gtttaaggtt tatcttggaa cttgttaaaa 180

tttggaaaga gtcatctggc tttcagaggg tagacgggtg ggtctgctgc atccagacat 240

ggcctgtgat gcttccattg gattctgctt cagagaatgc tcag 284

<210> 3345
<211> 436
<212> DNA
<213> Mus musculus

<400> 3345
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tgctctgtta caacaacctg actttattag gaggtagaac ctggttggtt gaagtaggac 120

actgaggatg tatctggacc catgtccctg cccctcctat tttctgatta ctgtccgtca 180

caagtgggtg ccttacctta tcacatagtc ttacagccct gaagttttga ctcaccacag 240

gctcttcctc taactgagct gaaaactcac accagtaccc tggagatgga cttggggtta 300

ctggaacctc tgtctggtcc tcctcccagt gcacattgat gaactcaccc atttttgat 360

tttcaccatt gcctctctct ttaatcagtg tactggggat gagtggccaa gcagaacctg 420

agatttttgc cctaaa 436

<210> 3346
<211> 475
<212> DNA
<213> Mus musculus

<220>
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<222> (145)..(145)
<223> n is a, c, g, or t

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<222> (281)..(281)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (288)..(289)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (347)..(347)
<223> n is a, c, g, or t

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<222> (350)..(350)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (375)..(375)
<223> n is a, c, g, or t

<220>
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<222> (405)..(405)
<223> n is a, c, g, or t

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ggctacagtg agttttcttt ggtccatgtt aattacaaag gcgtagttaa atcgggttcc 120

caataaagac actcttcaga cctcncgacc tctcacagtt cggatggata tgtttgccgc 180

ttcctagaac cccccaggaa gcagtctgaa aaaaagacta gtaaggagag agaggagcaa 240

tgtccttata gggtttaatg tgtggccagc acagtacagg ncccangnnc tttntcctnt 300

gtttngtttt nnttttntnt ntttntttnt ttttttttnt nagcttnttn gctggggacc 360

nagggaattg gtttnggagt tgggggggagg gggggttccc tcagnccttt ggcaaattct 420

ttagtattcc caatttctta tttttctaca gaaatttcca ctcaaaactg caagc 475

<210> 3347
<211> 527
<212> DNA
<213> Mus musculus

<220>
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<222> (116)..(116)
<223> n is a, c, g, or t

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<222> (119)..(128)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (147)..(148)
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<222> (150)..(151)
<223> n is a, c, g, or t

<220>
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<222> (154)..(156)
<223> n is a, c, g, or t

<220>
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<222> (158)..(161)
<223> n is a, c, g, or t

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ctctcatgct cctgcattct gagagcacac gggatgcgct tgtcaacatt catggnggnn 120

nnnnnnnnca ntnnnnnnng ngngncnntn nttnnncnnn ngtattgtca acgttcaccc 180

atgttgtcgc tgctgtcaga cgctcctcct ttttgagggt ggaacctgat tccattgtgt 240

gcacatgcca tattgtgctg gcccatttct ctgtcactgg atctccagct gccgtgaatc 300

atgcggtaat gggaaggagt gtgcggatat cctactttca aatctttgtg ttgacgtttt 360

gagacagtgc ctcgctcgct caataatagc ccagcctggc ctcaatcctc ctgcctcttc 420

ctcccagaac tgagggatta caggtgtgta ccgccgtggc tgactctact ttcgaatgtt 480

ttgggtatac atgtcccaaa gtggaattcc tgtatcacac aatccat 527

<210> 3348
<211> 468
<212> DNA
<213> Mus musculus

<400> 3348
acatgcttgt gctgcagttc tggtaggctt gctcacatgg gccaggcaac cctggtactg 60

aagctgagca gaagaaagga cagtgtcctc aagtactccg gccacagttg tgcatgctcc 120

ttaggccttt gtgcctgcac tagtctcagg cctccaaact gggaatgcat tcactggcta 180

caatagagac agcttccaag gctgtatcag ccacacagca ctgactctgc tcaagcatgc 240

agtcagtcag ttggggctgt tgtagcagaa tattgagatc aggggctttt aaagaatgca 300

aatgtattcc tcacagcctg gaagcccaga gttaccagtc aagttctagt attgtgaagc 360

cctcctgctg aatcttcact ggacaaatgt tactttggtg caccaccttt gtattctaag 420

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<223> n is a, c, g, or t

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gttagtcctg tgcctaacca gtggagtttc cgtctctgtg cttgctaata gtttcacaag 120

tggcttgant ttntnagaag tattatgngg tattttactg tgtatnantt ctgtggtaaa 180

natgtgaagt ccttnggnct tagtcatact tcataacttt tgaacgttgg gttttttgtt 240

ggaagaaact tggatgaatc tgtcatgtca ttaacagaac tgaaatattc tattgtaaga 300

cgtgcatttg cggttagaat ggtcttgttg c 331

<210> 3350
<211> 486
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtagggactg gggatgtagc tcaaaggtag agttctgcct tagcataccc aaagccctgg 120

ggtttgtctc tagcaatatt tcatagagag gatgaagcca ggtntgntgg ctaacncaaa 180

cctttaattt cagtacctgg gaactctgtg agtttcaggc tagtcaggac tatatagtga 240

gaccctgtcc aaaacnaaca aacnaacnna agcactattc ctaacatagg tgagttttag 300

atacctacag atatgtctct gtttcctgtc ctttgggata ttacacagga ttgaaccagg 360

taagctgcta taggaggtta ggcaaaatgc aggaccaata ggcaggaaac taagtgtgcc 420

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aaaata 486

<210> 3351
<211> 416
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtaactgttg ttccagggca tctgatgccc tcttctggct gccacaggca ccaggtacac 120

ttgtggtgcn tgaacacnca ncagaagact natagcagtt gntcgtnctc cagtnatcta 180

tatnaccttc caggagagct tactttcnna tnctggaact acttttnagt ggctccacag 240

agtntgggtg ancctccanc naacgtctcn agctaagcag ttatgatgct tgctgntctt 300

ccagtggacc tgagttctgc tccnaacacc agggttgncc atctcacaac tccctgtagt 360

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<210> 3352
<211> 370
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (227)..(227)
<223> n is a, c, g, or t

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attgcaggac ccacctgcct gataatttaa gagttcatct tcctgtttgc ctttgatgta 120

ccctgggaac atggctccnt agtttccctg ggaacacata ccctcacctg gattccagcc 180

tcacaccatg gagacgtggc tccatggcag accaaggaat tcntccnatg atctgagtgg 240

gattgcaggc tgcctgttgg atagatgtct ccagagcatc cttacatttc cgtcacttgc 300

tttgcagaca tgaggtcctg agtttgcccc taggagccat ggaaaaagct gggtctgata 360

acgggtttat 370

<210> 3353
<211> 299
<212> DNA
<213> Mus musculus

<400> 3353
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tgacggaggc cctccctgga cgtaatcctc aatgttctca ctaccccaca cacttgcaca 120

gaatggatga tttatttcat aggttacatt ataacctcaa actctgccta ggcaggaaaa 180

gcaaagaggt atggcagtct gctctcctcg ggtgacttct gagcttaaga ccaccatact 240

ctgcatatct tgaatttttg acttttatgt ccaagcccta agatgttccc atatgctgg 299

<210> 3354
<211> 429
<212> DNA
<213> Mus musculus

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<222> (39)..(39)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aatggtgtgg ccaaaaggga tancaaggag cagcagcaag gcattcccag tgtgcatgcc 120

ttgttttgca gtcagaggga gaattttctt ttgcccacat tcagaatgtt gcctgttttt 180

tttttgttcc gcgtgtgtat ttactatgtt tttatatcat ctgattccag tttggatata 240

tagcagatta atgttatatc aatccaaata tgaatctttt tgtgcactaa cttttatgag 300

actcagtggc ctcattgtgc ctgtcatgtg tgggtcctaa gttccatccc aacactacca 360

gagaaaaaga gactttaaca aaacttgtaa ctttaaaaca gttttgaatg taagtgtgct 420

ctcctaggg 429

<210> 3355
<211> 380
<212> DNA
<213> Mus musculus

<220>
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<222> (135)..(135)
<223> n is a, c, g, or t

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tatggaggcc agggtctact ttgataagtt aacaggcacc tcagccagtt gtcctgggtt 120

tgagacctaa tgctnctcca agctcaaatg tcagttttct gaaaggtaag atttagggta 180

gcagtgacag gaggttccag atcactatag aggcgacagg tggctatcac tatggtgtct 240

ttctcagaag cctgagcagg ggcccaggat gagcctgcag agccctggta tagacagggc 300

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ttacacgctg ctctgagaat 380

<210> 3356
<211> 67
<212> DNA
<213> Mus musculus

<400> 3356
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ccttttt 67

<210> 3357
<211> 376
<212> DNA
<213> Mus musculus

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<222> (28)..(32)
<223> n is a, c, g, or t

<220>
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<222> (49)..(49)
<223> n is a, c, g, or t

<400> 3357
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ggcattgctt gctgctggcc aaggctccag ggggcccatg ctggactctg gccactcctt 120

agccaggctg cagggaggcc tcgagtcacg gccccacagg gcttggagcc tggggccatc 180

actgtcagag ggacaagaga atgggctggc tgaggcctgg gactgctcag ccttctggtg 240

gagagcctgc tgcttgggtg gaccgcccat cactgcagcc ccccagctgc tctccatgtc 300

tctgtctttg ttctgagaca tttctgtttt aatttatttt ccaggtcctg ctgtagttct 360

tagtgacatc ctctca 376

<210> 3358
<211> 281
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

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<222> (95)..(95)
<223> n is a, c, g, or t

<400> 3358
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cacatcactg gntaagtcaa aacaggagcc attcntacct cccagaccca cctgtgttgt 120

agagcatcaa acatcagcct ttctataggt tttcccttct tgatatggca gggttgtaaa 180

tctgtatctc actgagtgaa tggaagccaa ctaaatgatt ctgaactagg cagagctaat 240

ttcaagtctg accacatctg ggacactgac ataggctttt t 281

<210> 3359
<211> 355
<212> DNA
<213> Mus musculus

<220>
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<222> (46)..(46)
<223> n is a, c, g, or t

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cagatgctga tgaatatgtg tccattcttg ctttttatcc tgatgcagta tcatgaggac 120

atggcagcta tggctggtct tacctccagg cagaagtctg gagtcaggtg tgcagtttaa 180

acagggcaaa accaatagga tgtgtttgtg aagagaaagt gggctcagct ctatccagcc 240

aactttaatc ttgtttgata atagactgag ccaagggatc ttgcacccca tgcaaccttc 300

tcggtgtttg tctagctatc tggcttccat tgaatcgtgg tttctcaaat ctgga 355

<210> 3360

<211> 276
<212> DNA
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<223> n is a, c, g, or t

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<222> (197)..(197)
<223> n is a, c, g, or t

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aggctctgcc ccagattctt tacagtttct ctctccactt tgtttttctg attctcatct 120

tcataccaga gacttaatat ctgcctgcca atgaactata tctaaggtct taagatgntc 180

gtcagcacct acaattnccc caccttagat gagatactct ttctttcctg tccttcactc 240

tttcctagct gcaccagcct tgtgtcattc cttgaa 276

<210> 3361
<211> 305
<212> DNA
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<223> n is a, c, g, or t

<220>
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<222> (178)..(178)
<223> n is a, c, g, or t

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tacaatgctc tagcctgcac cagttcccca caacttctat tccgtccttg caagcatggt 120

taaggacaag ttagccagtc tccctgtgac ctccatctgc tctactntac ccacagtnca 180

actgtcttgc tctctgaaaa caaaactctc ttcttggccc agctccaatc tctgatagat 240

tttgcttgct ccagtgcagg tagcagaacc aactgagtca gatgcagtgc tattttccag 300

cctag 305

<210> 3362
<211> 343
<212> DNA
<213> Mus musculus

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aagaaaagaa cacatggccc cagaccagct tgcacagccc tgagccggaa gcacacaatt 120

ctctcgaagt cctcccaagc ctggaaaacc atgccaaatc gccagtgaca gcccaaagaa 180

agcaatttgg ggaagatgga gcggtcattt atccttcatc tctgactgac ccttaggatg 240

tgacccgcat gcggtggcca cgctgttcat cctccggcaa ggaccctagg aagcgagggg 300

tctggttccc cagctgctga tgtgccaggg tgtcctgatg cac 343

<210> 3363
<211> 323
<212> DNA
<213> Mus musculus

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aaatgagatt gtaaaataaa atgcatattt ttataataat tttaaccaag tccaagcctg 120

ctggcattat cctgtcttaa tcaagaaaga attaagacaa tccctcttaa aatgttgtta 180

tactgatgcc tttatacaat gtataaatga atactgagat aattgaagat attagtttac 240

acagatttta ttttaatttg aaatgctaaa atgtcagtga cagtgtgaag gttgctgtgg 300

gttggtataa cttcatcagt aat 323

<210> 3364
<211> 182
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (49)..(49)
<223> n is a, c, g, or t

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<222> (51)..(51)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (57)..(59)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (117)..(117)
<223> n is a, c, g, or t

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tnntggaccc tgncacctac aatgaattct caccctaccc cacaccctgt aagattnttt 120

tttgggcctt catagggtcc atttcctcca gggcctactt tccttccatt ttgcaaagcc 180

tg   182

<210> 3365
<211> 211
<212> DNA
<213> Mus musculus

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<222> (49)..(49)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cctactagag catcttttg aatcctgatt tcttttgaga cagacattaa agataagttt 120

taaaatggaa cataattcga ttntgcttat taaaaaaata tttttattga ctctttgaat 180

ttcatgttaa gcatcacaat cctactccac t 211

<210> 3366
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (42)..(42)
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<222> (130)..(130)
<223> n is a, c, g, or t

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<222> (162)..(162)
<223> n is a, c, g, or t

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nnnngncngn nnnnncnnng nnnnnnnntn nnnntnnnnn ntcctccacc ataataacag 120

tgattgccan ttgcttgaaa tcggtcaagg tgggcgattc anacgtgaaa aatagcacac 180

tcgggcccca gcgaaccatg gcccgagacc tacgtccctt ttgcggccca ggctt 235

<210> 3367
<211> 48
<212> DNA
<213> Mus musculus

<400> 3367
tcagcacgtg ttcctcacta gaagaaaatg ctgttacctt taagcttt 48

<210> 3368
<211> 71
<212> DNA
<213> Mus musculus

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agttcaagcc c 71

<210> 3369
<211> 42
<212> DNA
<213> Mus musculus

<400> 3369
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<210> 3370
<211> 88
<212> DNA
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<400> 3370
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tccccttggt gatttatttt tcctggag 88

<210> 3371
<211> 161
<212> DNA
<213> Mus musculus

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<222> (75)..(75)
<223> n is a, c, g, or t

<220>
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<222> (99)..(99)
<223> n is a, c, g, or t

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gctctcaggt gtgcntacgg tgagggggtt gttttgttnt cttagttttc ttttgagac 120

agggtttcac tgtataaccc tggttgccct agaacttgct a 161

<210> 3372
<211> 151
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (82)..(82)
<223> n is a, c, g, or t

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tgtncctctc tccctctttt tnttctaggt caatatgtga gctcagagat ttccctgctt 120

ttgttctgtc attatggatt ctaaacttct g 151

<210> 3373
<211> 149
<212> DNA
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<222> (38)..(38)
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<223> n is a, c, g, or t

<400> 3373
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tacctgcttt tactgcctca gtgctgggat taaaggtggg gaggcccatt cctgcccttg 120

ncctcaaatg tttagcattc cttcctgtt 149

<210> 3374
<211> 95
<212> DNA
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<222> (57)..(57)
<223> n is a, c, g, or t

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caggcatgga ccactggaca gtgttcatca tcctg 95

<210> 3375
<211> 41
<212> DNA
<213> Mus musculus

<400> 3375
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<210> 3376
<211> 162
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (77)..(77)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tattccgacn gactgtntct attcttacca aatgtgagtg atttgcntca cttaggaatg 120

atagaaaatt cgtgaactga aagataattc ccaaaaagtc aa 162

<210> 3377
<211> 55
<212> DNA
<213> Mus musculus

<400> 3377
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<210> 3378
<211> 100
<212> DNA
<213> Mus musculus

<220>
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<222> (56)..(56)
<223> n is a, c, g, or t

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aatagcatgg gcacctttct gcttctatcc cattatttcc 100

<210> 3379
<211> 112
<212> DNA
<213> Mus musculus

<400> 3379
tgcttatcct ttgttaattt ctaagttttt ggagttattt ctcactggga ggacgcatta 60

atacgataac attataactg gtttccctca agatgcactg attctgtaat gt 112

<210> 3380
<211> 114
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 3380
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gcattatcca tgctgtcacc tggtgntcat acaggtacac ccttcttgaa gaga 114

<210> 3381
<211> 110
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (56)..(56)
<223> n is a, c, g, or t

<400> 3381
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tcgtgaggtg gagggcattc ccacccagag ggagatcctt gttttccttc 110

<210> 3382
<211> 42
<212> DNA
<213> Mus musculus

<400> 3382
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<210> 3383
<211> 561
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taaataactc atcccttcaa actggagttt atcttttact gaggagagag ttgaaattat 120

acttttagac ttcctgatcg tttgtctttg ttgctgttgt ttttaacttt gttacagact 180

ctgctttatc gcctgttgtc aaggagggta tggcttgtac aacttgtgca tttcggagtt 240

cattaacatt ttgttgagac ctaataaatt tttagtttta ataagatacc caggaagttg 300

tagaaggtat attctttgaa agcaacaata tttgatctat gtatattaat ttgactttac 360

taaatatact attatggact ttaaatttta ttttcttaat tcattaaaga ctaagaaagg 420

cgtgttccca tgannannnt ctgtcagccc ttctcctatg tgtctaacgc cttcttctgt 480

atctgttgcc atagaaaatg acccttttat atgtaaggga aaattgtttt cctaaagacc 540

tgtgtccgtt gggtttacct g 561

<210> 3384
<211> 394
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (214)..(214)
<223> n is a, c, g, or t

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<222> (236)..(236)
<223> n is a, c, g, or t

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tctcccattt atatgtagca ctttatgaca taggaaacag agagaatgtn cagtgttacc 120

tgggtcattg tgcaataaag ctgctagtgt cacccgtgtg tgggttagtg tgatactcaa 180

tactcatgtg agcacatntc ctgtagacgt tttnaaatat aaagctttaa caggantcag 240

agaaggaagc tgttcaaaca ctgtatcact ctatagaaat tgcttagtgg aatttcaatt 300

tttaataaaa aataaataaa taaagggaag ccaagtgtag ttattcaagt ctgcactaca 360

gggatttttt actctgcttt gtggaaaacc gaaa   394

<210> 3385
<211> 539
<212> DNA
<213> Mus musculus

<400> 3385
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tctaataagt aaataaatgc aattaacttt ttaattaaaa taagataaag ataaaagtca 120

ttaccgtttg tagatactgt cgctggtcat ccgaaacacg tatgctgtat gttgatgcct 180

tcagtctgat ggactggatt tcttccatgt tttgtgttta caaacctttc cttaacagtt 240

tgaagttaac cggtacaaat gtatcagtat ttgtattatc tggaaaagac aacccatttt 300

tttaatgcat agccttccta aaatataact gcgttttatt ttaatgaact tcttgttaca 360

tttacctttt gtacatgtga ataaacttta tattaagtaa tatttattgt tggttttata 420

atgactcaca tatgatatta tgcaggttaa gccttgaaca actaatttca tgtcttcaaa 480

ataatgttta tagcatatgt atctttcctt tggctgggcc agcatcctac ttaaacaac   539

<210> 3386
<211> 272
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtttgaagag atttggctcc catagactca tgtgtttgaa tctgtttggc ccagagagtg 120

gcactattag atgtgtggcc ttnttggcgg ntgtgtcact gtggggntta ggctttgaga 180

ccctcctcct agctgccctg aagacagtct tctcctggtt gtctttggta caagatgtag 240

gactctcagc agtgccagtg ctgccatgct cc 272

<210> 3387
<211> 541
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (132)..(132)
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<223> n is a, c, g, or t

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acctcatagc attcctgtga ggattnttnt aaataataaa gttgaaaagt tgaagaacat 120

ttaaagatnt cnaaaaatgc agagtacatt attgttnata gataccaata tagatgatac 180

agaaaatgca tttagattat gaagattgag ncattttgnt ntncaatgtt gtggttttat 240

tgctttgtac atttggcaaa cataaaaatg gttaacaaca cacaagaaaa tgatcttgcc 300

tcctctgtat ngacactata gtaattttag tactctttta ntcnaaancc ggatataggc 360

ttaanagaac cnaaaaatca attagatgta tagaanatgt aataatccct acaanacaga 420

atctcttgaa accttgggtt ctgactaaag gttatttatt tatttatttt ttgntggaga 480

aagactaanc cnaaactttt ggtagtaata aaccatgact ctgacatctt tataattcac 540

c 541

<210> 3388
<211> 551
<212> DNA
<213> Mus musculus

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<222> (108)..(110)
<223> n is a, c, g, or t

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<222> (388)..(388)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (512)..(512)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (515)..(515)
<223> n is a, c, g, or t

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ctgtattttg tgacctggaa gtgtcctcag cacactctga agcttagnnn gcctcctggc 120

ctcagagcaa accatgaaga agccatttgc ttgtccttac gtggcttcca atttctgatc 180

tgcaaactgt gacaatttcc tattttcttt cctatccatg ggcagagcca tggcccccgt 240

gggcctatgg aaacaccatt agtttcatta ggagggaaaa taatctccgg agaagcgaag 300

atgttttcgc tgattccctg acctccacgc taaaagcaga agtagaatct gcctcttaca 360

aaccactgag tgacagtttt ccccagcntc agtcctcagc acaaaacagt ttctcccaac 420

actagcctgc tgaaacagct gctccatacc aaaaaaaaaa aatgtcctcc ctccaaatgt 480

aaaatgacgt gacatggttg tacgcatttc cnttntggag agaaccacag cagacttttt 540

tccagcattt c 551

<210> 3389
<211> 465
<212> DNA
<213> Mus musculus

<400> 3389
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tagtaatggc aggttagtta ggccatggca agtcgaatct gaaagtgatt cctgcccctg 120

ctgatgcaca ggctcaccag ccagttctct ggagtgtaga cgtaaccctg catgcaccaa 180

cactcttctc tgactatgtc acactgtgtg gagatggtgg agggattgat gcagattaat 240

tatagtctct aattaattaa actgtctctg agttaagtaa gagatgggga caggaacact 300

ggtgcatgcc tgtggtctaa gctaaatgtg gcaggttgag gcagcagaat gacttgggtc 360

taggactcaa ggtcagcctg gataacaaag cactgcctgg ccttaactct cagtggggtc 420

tgctatgtag ctcaggcagg cgtgcaaatt gttaggtagc cccat 465

<210> 3390
<211> 434
<212> DNA
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<222> (238)..(238)
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<222> (332)..(332)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtggaaagcg gggagctgcg ttggccacct gagggtacac agagaggtac ccctcagatc 120

caggctgctg ctgctccttc ccnaagtcca ccagggaagg aagcagatga tgatgtcatc 180

cagggtgcca gctccgggca ccaggcattc cctgctccag taacagatgc ggntgtgnca 240

ggctctactc tctgaccacc aagaggacct ccatcccagg atgacaggct gattcacaga 300

aaaggctggg cccacacagg agncccagct cnccaagctt cctgtctggc tgggtgtggc 360

caggacccca ncccctgcct ttgcgctcca tggtctagat ctggaacata cccctctttg 420

ttcagtggct tgaa 434

<210> 3391
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tcttagattg agttttatca ttgcatagat tgtattggaa tttctcagcc ttggcattgc 120

cgctgttagg agctcggtaa ggcttctagn tacgctgtag gtatttagct gtatcccttg 180

ctagagtctg cccactagtt gacaatacca ctttccctaa tgtgacaacc aaaaatgtct 240

ccagacaaag ccagcaacct tgggcagtgc agtcttccac agttgagggt cattggcagt 300

ggtttgcagt gcttgggtcc aattaagata gagtattgga tccctcaaat ttgacttgtc 360

tt 362

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<212> DNA
<213> Mus musculus

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<222> (91)..(91)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctttggcatg tccagatatg ccancatgac natttgtatn cnntgannnn nnnannnnnt 120

naaanncatg ttactaanac accacancca taaatgtnat anntgntgnc cactntaaag 180

gaaaaaagan ccaaatgaag gcaaaattgt cacacctcta cagtccannc ctctacaaac 240

gagntgtttg gggcctggtt ccctagtgac ccaagattcc ttacacaaac atctggagcg 300

taacccctaa taatttacac actttacaca aaaggccagt ctttaaaaca tgacttgtgt 360

tatatgttaa aactttctct ttagcaaggt accaagaaat tcacctgttc cttcagatat 420

gggccaaccc agaagtccca caatgaaagg accaagtaat ttctcctttg cctgcaatag 480

aataacttcc acctgctttt gtgactggca tgatttactc tgtat 525

<210> 3393
<211> 407
<212> DNA
<213> Mus musculus

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cactttactg atagataact ttcctttccc ccctctcatc tattagaagt tccttgtcct 120

ttgctcaaaa ctcacaaatc accaaatact ttacaaatgc ttttgagttg tataacacta 180

ttcttctgtc cagactcttt cttgccttag ttaacaccct caacaaccct ggtctaagat 240

tacatgttta gcaaggtttc tcactgtcac taagtaacaa tctagaagga gaatcttgaa 300

aatccattta aattttaaaa aatttagatt tatatgtatg aatgcatttt gcacatatgt 360

atatatgtat gtatcatatg gctacctggt acctgaggag gccaaaa 407

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaaataagaa aggctctaac ggncccataa tagcaggggg tgagcgaacg acagttatct 120

gttaccatgt tacatgccaa actaggcctt gtaggaccca gagagagaca agaggtcaca 180

ggcaccactt aggtattcag atctttattt tctagttgca gaagtctgct tctagcctgc 240

ctttaaaggc tgtctcgccc tgttttctga aggcngggna gtacgagntc tcacttnccc 300

nntnngantt ttatcccnnc attagncttt tccnntncat tcagtgccat cacccacata 360

ggaatataga cccactgttt catcaggtac ctgtgctgtt actacttgta gctggacatt 420

tactgggttt ctgct 435

<210> 3395
<211> 520
<212> DNA
<213> Mus musculus

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<222> (164)..(164)
<223> n is a, c, g, or t

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<222> (183)..(183)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (224)..(224)
<223> n is a, c, g, or t

<400> 3395
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cttaataaaa ttaaaaatga aatcaactgt gaaaaatgtt gaagatgctc ntataccctc 120

tataatatca aatgcttagc catcttcaat ttttttacat aaantaaaca ngaatataca 180

tcntcattag tatgcaaatt nactttagtc cagtatcant tatnttttat tttatatgca 240

ttgatatttt gcctgcatat atgtctgtgt gaggttgttg gatctcctga aatgagagct 300

gccatgtggg tgctgctcct gaacccaggt cctttggcag agcagccagt gctcttaacc 360

acggacattt ctccagagtt actttagtct ttaataaaag ctagaaccct ttgtatacta 420

aatttatttt aaaataaatt tctttatgat ttgtcagtaa atctttggtt tgcataccta 480

ttttctctac acctatatgc ccaagtttgc aaatgtgttt 520

<210> 3396
<211> 519
<212> DNA
<213> Mus musculus

<400> 3396
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gagtctgggc cagcctagac tgaaaccttc tctagaagac aaacaaacag aaccaaccaa 120

ccaaaacctc caagaacaaa caagagaccc tttcactaac aaaaaaagtt ttctcccaaa 180

gtgctgagaa acatcataat tctagctata cttcagcctt acagtgagga ggactgctca 240

gactagacac tgttctgtcc ccctggactc tttatacttt acatagagta ataatactga 300

gtgattgcat ttgttgtgct gtttccatag tgcacataat actgtgataa tcagtcttct 360

aatgccttgc ctacccttgc cctccatacc cctgactgtc ctgctccatt tgcttgtttc 420

tcgctcctaa tttgcatatg taagagaaac gtgcagtgct tgtcttcctg catgagttta 480

gcttatttga cttagcaagg tgatctccag ttctgttta 519

<210> 3397
<211> 321
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(98)
<223> n is a, c, g, or t

<400> 3397
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gcttggaaaa ctcagtacnn aagccagtca tnagngnntg cacatcttta atcagtcctc 120

gggaaacagg cagggcaata aacaaaagtt tgaagcctga ctggccttca gtgcaggatc 180

ttgcttcata aacaaagaaa acactcattt ctgggctgga gagatggctc agtggttaag 240

aatattgact gttcttcctg agttcaaatc ccagcaaaca catggtggct cacaaccatc 300

ctgattagat ctgatgtcct c 321

<210> 3398
<211> 375
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(344)
<223> n is a, c, g, or t

<400> 3398
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gattgtttct gcactgaagg actgtttgcc tcccaccttt accacaaatg cactcagtga 120

ggactttgct gcctgccaag aacttggcaa gatgtttgca gctcctgcca acattgaaag 180

caagctggct ccgccttcag cagagatgga agtgacctca gagacgtggt ctgtttttcc 240

cctccagggt gcagtaccat gtcagtcctc tggagttaac tncnatccca aacctgggcc 300

ccatcacatt gatntgaatt ctgaancctg aaaaggaaca gannaagtgt aaactagcca 360

catgcttgcc ttaaa 375

<210> 3399
<211> 410
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<400> 3399
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caggctaagg nctggcccag agaagcttca gaaacagaga gcagagaagt gggggatggg 120

tgttttgttg tctcagggct cgaacccagg gccttgtgca tgccaggcca gtgctttgcc 180

cctgagctac aattttagct ccatctccct gcccccagga tgtttcgagt acactattgt 240

aagctggcaa ggccctaacg gttacccatg ttcggtttgc tcatgcagcg actgtcagaa 300

caaggctggc ccagcacatc gctgtgtccg gtaccatggg tcccgatgtc tcctcagact 360

gacagttctt accaggacac aggctacttc ctactgccat ggtcttaagt 410

<210> 3400
<211> 490
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (157)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(196)
<223> n is a, c, g, or t

<400> 3400
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tcaccttaca gccttgggca actggagtgg gggatgggga gccctagagc cctgatgtgt 120

tgccatgggg acataggctt gtgaataggc tttctgnnnn nannttctga tgtggcttgg 180

ggaaaaaaaa aaaanncagt tctgtctctt gagttcccac ctttctagaa tccttctggc 240

caatttccct agtgacctca tgtgttgaac tgttcatggt tctgtcttct cctctctgcc 300

ctggggccac tctcctctgt ccatattgat gtgtatatag gtaatgtcac ccacagatca 360

aaaacctcta agtttacatt tctaccgcag cttttctttt gaactccagg tatcttcttt 420

ataagcttta ggggcgatct agaatggcca attggacctc aacttgtacc acctgctaat 480

atcactgaag 490

<210> 3401
<211> 453

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<400> 3401
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aagttctagt tgcgagactg catatacagc ctcgaaaggc cttcctgttc gtgacatggt 120

tttgagttgg cctcttgaag agatggccct agaggnaaag ctagatgtca gagaaaccct 180

ttctgcagat ggcacagtac acagcttctt tgttccgtgt tacgacggag gatggtgatg 240

agagaccctt ccttgttggg tcagttggat caggagcatg aagctggaca ttttaaaaaa 300

tgaatgtgct taaactttca aatgtgttac tgactggaac tggaaagatg gttcagccgt 360

taacagcact ggctactctt ccaaaggacg acctaaatcc aattcccagc acccactcag 420

cagctcacaa ttgtcagaaa ttccagtcct agg 453

<210> 3402
<211> 523
<212> DNA
<213> Mus musculus

<400> 3402
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tgttttggtt tgtttttgag acagggttgc tctatgtagc cttggcttgc ctggaactta 120

ttttgtagat caggctggcc tcacactcac agagacccac ctgtctgcct cccaagtgct 180

ggaactaaag gcgtgcacca ccacacctag ctgctgcaat gacaattaag ttgccagaac 240

gagagatact taccaagtaa gctaaacagt catatgtatg gttttgaggc gctaaggaac 300

ctaactttgt acgtatttaa aaccaaccag ttagagattt attgctgcct tgttgggctt 360

cctgtaaaaa ttttcataaa tcctagttac tatccctcat gtttttgctt ctgttaaata 420

tttgtgatgt ttaatctaac ttttaaaaaa cagtcattat tatttcaaaa accagaacct 480

ggtatttatg tataagtatg ttgctgaaac tattatgact taa 523

<210> 3403
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<400> 3403
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tcatcaagct ctcacgcagc gcccagctgg gagacgccgt ccagctcgcc tcactccctc 120

cngctggtga catccttccc aacgagacac cctgctacat caccggctgg ggccgtctct 180

ataccaacgg gccactccca gacaagctgc aggaggccct gctgccngtg gtggactatg 240

aacactgctc caggtggaac tggtggggtt cctccgtgaa gaagaccatg gtgtgtgctg 300

gaggggacat ccgctccggc tgcaanggtg actctggagg acccctcaac tgccccacag 360

aggatggtgg ctggcaggtc catggcgtga ccagctttgt ttctgccttt ggctgcaaca 420

cccgcaggaa gcccacggtg ttcactcgag tctccgcctt catngactgg attgaggaga 480

ccatagcaag ccactagaac caaggcccag ctgg 514

<210> 3404
<211> 516
<212> DNA
<213> Mus musculus

<400> 3404
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tcagattaat atataactag tcagcacagc ttcagatctc agaaaactag agttacaaac 120

agttgtgaac ctccatgtgg gtcaagggaa gtgagccaat ggcttctgca agaacaagtg 180

cccttaacta tgagcgtctc cagcctctgc ttcctaaatt cttagatttt agtgcctgtc 240

ttcatctctg cagggttttt ctttttttg ctaattacaa gattgtagaa ttattttatg 300

atttgttact tgcaaatcag aacaattgga aaataagcat taaccaacct gtgctttcta 360

taagcagttt caatgcatta tgaacatttt aatgaatcag attgttcaat tctaaaactt 420

tgtaaaactt ttcggaatct actagaagat aacctgactt gtcatatata agtatgcata 480

gaaatattgt tatgtttatg tggtattgtc tcagat 516

<210> 3405
<211> 540
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(342)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (344)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

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<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (475)..(475)
<223> n is a, c, g, or t

<400> 3405
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gtgtcaatgt acatctgtag tatgtacatg tgaaagtgcc ttcctacctt agcgtttanc 120

ctagctcttg gactgtggcc cactaggtcc cgcccacttc cttcatttcc agccacgccc 180

cacagtgttc tgaaaccccc tccgctcctt cccagcctct ccccaccccc atcatcctcc 240

cgtgcctctg tcacgtgcat ctcgcatcca cgtggattac cgcactgtct tgttgccctc 300

ctagacgtgn ctgtgccttt ctcaccccnc tgtgactccc nncnntntna tccaaccttc 360

ccacccacag tgccactgcc atcctgtccc ttgntctgta ccgnttctnt ctgaggtgag 420

gagaaaagtg atgcttttac agtcctggaa gaaatgatga tgttttgtta atttntcgtg 480

acgatgcact tttctgtata gtacagtaca tttttggcat gtaccattac aggcttcagt 540

<210> 3406
<211> 448
<212> DNA
<213> Mus musculus

<400> 3406
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ggggggttc cgtcttgtcc gcactcttat ctataacaac taacccacga taaatgtttg 120

ttgagtaaac ggattaatta aggaggccgg caagctggag agggattcgt tggatagtct 180

ataagccaag aagaagcaag gacttctggt gagctctcga gatgtccatg tattgaaaag 240

gttgttatca atacaggttt tacagtctgc aatccctgct tgctatactc atctccttgt 300

gtcctcgatt agaaacaaaa cgcttgcaac tcattgtcag gtgaggtttt gtcattctat 360

tttgttggtt ggtgctggga attggactca aagcttcatg cacgctgggc gcatgctctc 420

tgaaggagtt atatcgtgcc agtcccaa 448

<210> 3407
<211> 554
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (176)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<400> 3407
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cntagaatgc tggagagaag gncatgagta tcataactag ctagtaccnt natagccaca 120

atctnaaccc tggggaacta ttccaggaag nccaccagag ttgaatcaga aggtcntaag 180

ctgagaagtg ccanccatat ctactcacct agtttgcctt tgattgtccc tgtaactctg 240

agctagttct gggctgtttg tggcttctgc agtttcatct ttaaaggaag gacatcggat 300

acatcttcag gccctccctg ggattctgcc ctagcctctc ctcctgcagt ggatttctaa 360

ctactccaat cttagcttgc tcttctccat aagatcattc ttatgtaaag aagaagaggg 420

ctggagagat ggctcagcag ttaagagcac tgactgctct tcctcagaga tcctgagttc 480

aattctcagc aaccacatgg tggcttacat ccatctgtaa tgggatccga tgtcctattc 540

tggtgtgttt gata 554

<210> 3408
<211> 432
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<400> 3408
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ttcccagctt gcctnccaga gaatcagcac ttagcaacat gtggttcccc ggtaagctag 120

ctggagccca gtggcgtgat taccctcaca cacaccgagc ctggagctgg ggacagaggc 180

ctacaccttc tcattgattt ttctaaagct atacatttat gtcatccgat aacgaaggag 240

actgacagaa actggttcac tgtgcagcca agactgtcct cgagctgatc ctgtctccta 300

cacatctcaa gtagggagtc tgcaggaggg aagccccaaa tgagtgggat gcaagggatc 360

aaatccacat agccaccaag acttccatga aaaagataaa gagagcaact taacccaagt 420

tccactgaca at 432

<210> 3409
<211> 515
<212> DNA
<213> Mus musculus

<400> 3409
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tattaaataa aaataaagca agaattaaaa aaaatgaaga ggggtgtgtc taagatgtat 120

taaggatttt tacaatgtga tgataagaca agaaaaccaa caaatatgat caatacattt 180

gaggagaaat ttcacagaag atgtataaat ggttacagtt acataaaaga tggtcagcct 240

ttagtatcag tttataaata caattaaaat gataaggaca tgccatgata cagtaaatct 300

aaaaacaaaa aacaaaaaca aaaaaactga caacaccaag tgctggcaaa gacatggagt 360

gactggaacc ctcataggtt gctgatggga aggtaaaatt gtgacgtggc cagtaaggtc 420

atctttactc agttaaacta cacttatcct acagcacagc cattctattc caggaactta 480

cccaagagaa acagagcatc tgtccacacg agtgt 515

<210> 3410
<211> 380
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<400> 3410
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caagtcattg tcatgtgnaa aaaaaaatgg aactgaccta aaagcattag ttcctgccca 120

taatgcactg caactgtcac cctgcttcct caccctgctt cctcgggtaa atacgtaccc 180

acgtgtcccc aatgcctcct ctcacccact ccaaggtctc attgaacttt ttctgttggg 240

gaagggcggg aaagcctagg aagtagagaa aggggagaga ggtgagagag aaattcctaa 300

ggaatttcta gtttgtcttc aggaaagaag gggccactta gactgtatga cttgagcatc 360

tcctgacaag cctcaaaaat 380

<210> 3411
<211> 523
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<400> 3411
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aagccaccat taagtgctta nccccaaata ngatctctat actagcacct ccaaagctca 120

gaggacatca tggaanaaan nattggnagg acagggaggg gtgtgtgaaa cgcatcttcc 180

gacataacat gatcactata gtcacggacc tactgctgct atggtctcct gcacaagacc 240

aagccggcaa gttcagtgag ctttccagca gccagcacta actggaataa tgggtaatta 300

aataaataaa ggtgaggata tgaaggtggg aaggaggtct tggggggggt tgtcctgggg 360

gagtgggagt taggagtttg tgtggataca ttgtacacat ggaagaaatt gtcaaagaat 420

taataaaagg gaaaaatggc ccctttaca agtagatctg tggtatcctc agagtggtac 480

tgtagtgaca tgtggccttg cctgccagag acttactgtg ctt 523

<210> 3412
<211> 504
<212> DNA
<213> Mus musculus

<400> 3412
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gcacccttaa cccgtcccca ccacaggaga ctaccctact tttggggttt gtgtgctgcg 120

ttgctcttgg ggttactgca gactacatcc ccagcaagca ggcttggtga taggctgtac 180

aaattctgga gagttaggct ggaccagaac ttcggctcca ggagctctca tacctgtgtg 240

gttggatgga gctttggggc tttggttccg catgggggtg ccatgtctta tgactgctga 300

gcccagcttt gaggcctatg tttgaacagg cattgtagac tgtgggtgtg tctcaggcag 360

ggtgcctagt ctgaactcac agagaggggc tgtaggttta attaagtggt agagctagca 420

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gtctgcctga ctgttgaggc caga 504

<210> 3413
<211> 493
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<400> 3413
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ggtatgcagc tttagcaaac taaagaggga agcacttgga acctgcgtcc agaaggggc 120

gctggtgcat cgagcaagga gctccgtgca gctcaactgc aattttctgc ttttctccct 180

atttctctaa gccctgccag gagcatcaga gaggtcatga gtgggagaga ttttggtcac 240

catgaggttt ttgtacagaa tggcgcgtca atttcactgc acacttatct gtgtgcacgg 300

cagtatntga attgcatcag gctcctatcc tcactgcaaa ctttgcaaac cgacctcatt 360

ggttaaattc agcccttctt ccatgaaaag aatgcatcct aagtgttgta gggtcgctac 420

ctacatagtt tcaggagttt agacattttt gcagatgttc ggtgattatt atgacaaggc 480

ctttgtttcc ctc 493

<210> 3414
<211> 353
<212> DNA
<213> Mus musculus

<400> 3414
tatgggatat gcctaaagcc ttgttgattt attttttttg aaaacttttt tatagcctag 60

ctgtggtagt gcacactttt aatccagctc tcagcacttg ggagactggc aggcggatct 120

ctgtgaattc caggctagtc tgtcttatag agtgagttcc agagcagctg aggctacata 180

gagaaaccct gtctcaaaaa acagaaaacc tcccaactca aaccaagccg aaccaaaagc 240

aaacaaaacc caaaacaaca aaacactttt tcataatgta tgttttcatc atatcgttct 300

tcttccccaa atcctctcag attctcccca cctctctaca cacgtggatt ata 353

<210> 3415
<211> 419
<212> DNA
<213> Mus musculus

<400> 3415
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tgtcagctaa gaaactcaaa tgaatgatat tttaaacgtc acctttgga ctgtagaaat 120

ggcttagcag ttaagagcac ttactgcttc tctagctgtg ctaagttcag taccccagcc 180

ttggtgttgg gcagctcaca gcaacctgta accacagttc caggctggtc taatgccttt 240

gcctcccgtg gacaccagca ctcccttgca tgtacccata cacatgatta aatgtaataa 300

aataaatata tatttttaa aagtaacctt tttccagata tggtcacatg caactctagc 360

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<210> 3416
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<223> n is a, c, g, or t

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gcctgactgt tatttttac cttttcttta tttttgaaaa ttgtataatg ggctggtgag 120

actaggcagc tcattgagaa tccttgaccc ccaagcctgc tgacctggat ttgttcccag 180

actcagggta gaagcagaga accaantcct aaaatttgtc cccagctctt tctgcagtgt 240

ggatttcagt gcagaataca gaggtaatgc taacatatcc agtttttgg cccccaacaa 300

caattcccta atgtcagcag aaagtaatta tgcacgattg agtcactccc cttattcctt 360

tgaagag 367

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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accagagagt caggccttct ggaagcagtg tgtcctctcc cacaaccttt gttcagggnt 120

caatggagcn tgctgcaggg ctgnccgatc tccaagcaga ggnctcgcng ttctgtctgt 180

aaggaatacc tcaanaaccc aggnaccatg gagtgtggcc ataaagtctg tctgtcctgc 240

accagtgtgt tntgggagga tctaaagggt agtgtcccct gcccctcttg tcatttgaac 300

tgtccaggaa nggaactttt tgagtaatca gccaccaggt gagttcaccg aagttgccat 360

cttg 364

<210> 3418
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<400> 3418

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cagaatagtt agactggatt taancttatc tttgcataat gacttgacat aatctaagct 120

ccaccacatg aactaatcaa aattgtataa tatctcttta atttttgacc attggatgac 180

tttacagtat gatagtaatt aaactgcagg atcagagttt agatataggt cattaagaaa 240

gtcttacagc cactgttaaa cacaagtgga cagagggcac ttggggcaga aatgnggaga 300

tngttgtgat tgtctngnat ccaggatgaa agctttgtac aaagagtgtt caacatcata 360

ggctatagat cttccatttg ttcagtgtag gactgttctg atagaactag tnaggtaaat 420

gtttccatgt actaagctca ctgttgatag actatcaatt caaatacgta tatgagtgac 480

tttcaaaaat acgtcagaat ttaaaatgga ttgccaaaat nttctctttc ggattnttca 540

atgttaaagc gcatattcct gatga 565

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<223> n is a, c, g, or t

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<222> (152)..(152)
<223> n is a, c, g, or t

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<222> (165)..(165)
<223> n is a, c, g, or t

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tctccatggc aaggctgtat cgatctaccc atcctctagg tgnanttagg cagagtttgg 120

ggcttaagta gctccggtga cagaagcaca tnacctaagc ctctnatctg agccaaaaga 180

aaggttgggc tgggaaggac cacctatgga catcaccttg gctcctgagc taatgagctg 240

atatactgtc tgcttgcaga tagtctgggc tggaagctct tctatgtcac aggctgccta 300

tttgtggctg tacagaactt ggaagactgg gaggtaagat ggaacagtag gacccttccc 360

gttcagaagc acctgcccca gctcagaggc attcagttac ctggactcag cccttccctt 420

gattttgctt gtaaacatct ctggactttt 450

<210> 3420
<211> 317
<212> DNA
<213> Mus musculus

<400> 3420
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cacctaagaa caagtaaaag aagcaagact cagagaggtg ggaaccacag caccattgtc 120

atgggaacca caatgtgaca actccagaac aaagtattct ttcctccagc atcaaagcat 180

aagtcttagg taagtattta ttggtgcaga gtgcctgacc tttaatctaa ctaccaagac 240

caggtcaaga gtaattgtga ctagccacaa attagatgac cccacctacc aataaaaaca 300

gttattggag ccagcag 317

<210> 3421
<211> 468
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgctgtcgc canttatcct cnagtnaaag tatcnagtgt tcngganggc cttcntatta 120

ccnaagagtn ngggaccngg gccccnttgg gaggtgtcag ccgtgnttga ccatccctaa 180

caatatgtct gtttttagaa tagaaagggg gggaggacca aaaaaaaccc tgacagcaag 240

atagatacac ttttagatta agaccaacct aatctaaaaa ttctgtttta atcaagacag 300

ctccgtaagg atgacgcaat gtttgtcaag cctttctccc tagaacaata tttactccca 360

ccaggggatt taaaacttaa acaacagcca tttatcttgc tgtctggtag agctgggttc 420

attttgcctc caatgtggtc ctagcctagg tggctggaac aagaatct 468

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctgataccc ctccacattc ttgttgaagc cttttgctct gaccctgacc agggcaaaca 120

taaaattgtg cagctctaag attagctcgg tagaactgcc ccgaacatcc atacgagttc 180

cctatcccgc ccgggacaca ccgctgttca gngggtgggt tgctaagatc agtatgatcn 240

gngaggtccc aattgggggа tcctgcngct aacttacaga tgtcaggngt gagatcaggc 300

caccaagtcc agaggggatg gactgcagtg gttgcccata c 341

<210> 3423
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<223> n is a, c, g, or t

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tgggcagatt ggccttgact cannnnnnnn ttatgcttcc tgagtgccag gattccagct 120

ggaccngcag gattattttc tncaggtgtt gcattctagt cagatatagc tgannnnagt 180

cagagagagg acttcagaat aaaaggaagc tttctggagg ttagtcctag ctcatttgga 240

aggctccgaa atggctaagc aaaattcctt ctctttccac agtatttact ggcacagagc 300

tgtctccttc cacaaccaca gngactttaa agagaaagct ctgggttaac ttctcagtag 360

atcaataaga naagagcaca cttgtgctag ggtgagaaaa agatngattg tangtagtat 420

ggtggtctaa ggagtacgtt ttgtttctct ctgctactgt ttttgaagaa gaaaagactt 480

tcattgtctt tcatgtattt 500

<210> 3424
<211> 283
<212> DNA
<213> Mus musculus

<400> 3424
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agatttcatc cctgcatagg aaagttccca aactccaatg aatattgtct tagtgctgtg 120

atatttttat gtatttattt gatttgtcgt gtattggcag gaggaggggg taatacttca 180

agcttgtgaa tttcatatac ttgtagatgt tcagttctgc tgttacaatg gagaagtgac 240

tggacagtga gcagacaggt atatgtgctt atgttcagta tca 283

<210> 3425
<211> 314
<212> DNA
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<222> (128)..(128)
<223> n is a, c, g, or t

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ccatttctgt gggtctcggc accactgtat actattagca ttttaggttg gacaactatc 120

tggggcangg gaggtgtcct gtgaacctcc aggtatgcga cagccgctct aactcaccaa 180

gtgtcagcgg tactttctcc ccgcgcttca cagaatggct gtgctgatag ccctttgaag 240

ggtggcacca gctccatcat taccggaacc ggcttccact tgcaaggttt tttagtgacc 300

ttgggcacgt cctt 314

<210> 3426
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<212> DNA
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aggtggtgga gtatgtgcct agcgttcatg aagccntggg tctggtcccc agtactacan 120

aaaacagatg tgctggcaca tgcctgtaat cccaacacgt gggaggtaga gacacagggt 180

tagaaagaag ttcaaggtaa tccttggcta cntagtgtgt ttgaggtcag catggattac 240

acaagtttct caaatacccc gcaaaaccaa aacaccaaac aaaaaccctc tgtcacttac 300

ttgctatctt agggaaaaag ttcaaatctg ctgagtgact cagactggca tggagtggcc 360

cctgcccact tgtgatcttg tcttagccat tttcctgtta gttctctgca cagncattca 420

tcttgtcagt ccttggactt ggctatgcct ctctccattc tcattgccct caggnccact 480

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<210> 3427
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anagnnnnan angntnnnnc ttccnncaan nngtnnataa nntggtcntn aannnacnag 120

atctgtnnan acncagntgc tcataaattt aacaacanga gtacnngcna gttatttntn 180

nnnnnnnnnn nnnnnccagt ccaagtcnna ntgtgctcag ataggtgtat ggnngcagag 240

catcctggag accttntata tgnagtaata tggggtggtg anctgtgata ggcagtccgg 300

tgcctggccc agctcaggct taaaacccca gtgaccncag caggtgnctg tcacctgcaa 360

ggaacagcag gcatttggcc atgccccttg agctcctgtc acgcagttnc agcctcccac 420

gatgacttct gccccagaga gctcagtggc catcagtcac ataggagcag tgccaagccc 480

tcccacatgc agataaggta tctccaagcc aatgagaagt acctgctgtc agaccctgac 540

ccgccccagc actgtagata agaatcg 567

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<222> (115)..(115)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atgtaatctc ngctcactct gaagagcatt tgtgggtgga ncgatgtctt cactnacntc 120

ttcctctaga gaccctaggc catctcttta tcattcactt tataaggttt attttacctt 180

aatgtacgtg tgtgccttgt actatatgca tacaggagcc ctctgaggca ggtgactgtg 240

tggaatcccc tggagctcaa attacatggc tttgtgaagt ctcctaaaat ggatgctggg 300

aactgaactc tggtcttctg ggaatgcagc aagcaccctt aaccactgaa catctcccta 360

tcccaccatt ctcattttct tgttttattc cctttatggt tccagtcaac ccctccctaa 420

ttttaccttc gagatgca 438

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gcaacactga agcctgtgca aatgtgactc tggggagagc tagtagggac tcaagggtga 120

cctctaggtt ttggtgaaga gtnaatacag aacacatgaa ctagggaaaa aaaaaaantc 180

ctagattcta angacccgca agtcgcagca catcataaac cactcttcac atcttcacat 240

ggctcctttt gggacaggaa ggaagttgta agaaatcttc aaaggagata aatttagaaa 300

aataaatgaa aatagaattt tggcaaactg atcactctta aacaattgaa cttgttgaca 360

tcaaatatat gttgtaggac acatttaatc acctcccagt acagttttct tttccattac 420

tctttctctt aaatatattc acttattatt tgcttctctg aagattatag cattattttg 480

ttaatgattg accagttagc ctaa 504

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tgacaagcnt ctcaagntan cctnacactg agttnttgnc catgcatcca aagatggcnt 120

tcatactcan ccaacgatga cttcaaactt ctgatcntac ctgctcccac ctcccaagtg 180

ctaggnataa tggtggtgct atgncccagc ttcangggat gtgtgcatgt gtgaacagcg 240

gcatgtgcat gcatgtgttc atctgtttgg agaccagaag gcaacttcat tgtcattctt 300

taggggaatg attttggtgg ttgctttggt tgagacaagt tccctnactg ccttggactt 360

tgccaagtag gctaagatgg ttgacatctt cagacatcct gtagctcaga ccaactgagc 420

cacatctcta gcccaaatat attgtaatcc ttacatatgc ataggctttt gctagaagaa 480

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acgccctggt cccagtggtt tgaaagatgc gatgccccaa tgtgggtcat tccggagatg 180

gcccgctgaa gtggctcaga tgtgcannnt ccgccctctt atcacattac catcacccac 240

ccccaacccc tagttccata atccctgagg caggagaaga gccacctggt gaatgactca 300

cgggtttcac ctcctt 316

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ttgaactcac tcattgcaag gatgaccgtg tgttctgatc attagtaact acagcttttc 120

ctacccttgt ttcattacta aacaagctgc aattagtagt atttgggatt tgggaatcct 180

taggagatga agtcaaatgt tattttatcc naaacctaga caacacattn aggtccctaa 240

atatctgcgt gttgcctttg atatcacaga acactaataa atttaactct ctaaaacttt 300

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gggtccnagc gattgaactc nggctgtnng gcttggctna ggcaatacct ttacccactg 180

aacctttttt gttgtcccta ctcttacttt taaattacag ctgacatcac atgcaactaa 240

actcagttag acacaactta aataccttca agtatgtatt caattaggaa tgtaccagtt 300

gattttatag tgtaaaatgt taatgtacac tgagcagtgg tggcacacac ctttaatccc 360

agcactcagg aggcagaggc aggtggattt ctgagttgga ggctagcctg gtctacaaag 420

tgagttccag gacagccagg gctacacaga gaaaccctgt ctcaaaaaca aacaaacaaa 480

acaaaagtta atgtacactg aatataattc tagctagaat ttcttgttct tt 532

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<211> 352
<212> DNA
<213> Mus musculus

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cagcaacaga ttcttacaca actttgcctt tctcatataa ggagagtgct gttacagttt 120

agcgtcttca tgacacaata tgttcgaaaa agaataccaa agcatatttt ttaaaagttc 180

aactaaccct tttaaccaca atgccttgtc tttgcttaac tctacaaaga gaagctcact 240

gttttcaaca cacatcactt catcctgtcc tctgactatg tgagacacct gattaggcaa 300

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<212> DNA

<213> Mus musculus

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cctgcagggt gccagccctn aantgggaca tggatcaagg ctgagcctng cagttggcga 120

cccaccttca gaaccttccc tagtcaggtc agcaaggtcc aaggtacaat cccagttaga 180

ggtcacaagc tactctccaa tccagacttc caaaattatc tctgcatgct gaagctcagc 240

ttaattagct ggttgacctc attaatgttc gaacttcagt tcggggagga aaaaaaagag 300

gtcacacacc tacctaattt actacctcga atttccacga gcaaaccacc aacttcagat 360

gtcctctgaa ggcttccagg actgtgcctg caagcgatct gtaagccatt gattggaaaa 420

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<210> 3436
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<212> DNA
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ctgaggtaaa tccttccaga gtaagcagcc cttgactgtt agtgtggttt tatttccccc 120

acccccccagc agctctctgt gcctccaacc gatggtttgt gtggttaggt ggagaaatgc 180

cttcaaaact catctgtctt cctcacacca ttgcncacta atgctggaca aatatttata 240

tcctacaacg ccttttaact gtgtctgaac atagggtaag ttagaagtca gagtacgtca 300

cggtgaagaa agtttcattg tgtgacaata accctgcagt aaggactcca gtctctttct 360

ccagatttgc tctgggccca gaataaatcc tacatatttg cctcaaccc 409

<210> 3437
<211> 385
<212> DNA
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<400> 3437
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gcacttcacc taagcagctg tctccccagg cccctcagca tttttattaa acagcagcaa 120

agctctgttt agtagtggtt ttctcagcac atagcttctt tcctgcaggg aggcagtgga 180

gagggaggga caagcgggat tgcccttcct gtcactgccc tggcaaatct cttcaagtta 240

tgaggtcctg tgccctgaag tcccatgagc accttggtgt cgcttccatc ttaaggagct 300

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aggggctctg acaccctcat ctggcctatg catgtggtac atagacacac atacaaacac 120

tcaaataanc agacttnaaa aaggaaaagn aagctgggnc agtggtggcg cacggcttta 180

atcccagcac ttggaaggca gaggncaggt ggatttctga gttcaaggcc agtctggtct 240

acaaagtgag ttccaggaca gccagggcta cacagagaaa ccctgtctcg aaaaaagaga 300

gaagagaaga gaagagaaga gaagagaaga naggagaaga gaagagaaga gaagagaaga 360

gaagaggccc tgtctcatat gtatctcaag actgccttta acctaaccgt gaggctgagg 420

atgaccccga gcttgtgacc ttcctgcctt cacttcccca gtactgagat tatagagatg 480

ctccacaact acaat 495

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<223> n is a, c, g, or t

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gaaaactgcc ctgggagttt tggaggaagg gcttctaaaa tacttaaaaa tacgtgaatc 120

acttcagtct gtttaaacgg aaaaaaatat ttgataccag gtctttatat atatatataa 180

atatatataa aagaatagtt gtctcaagag gaataaaatc tggagtgtaa aaaaaatgtt 240

aaaaaaaaag aatacttgtc tcactttata atatttttta aaggaaaaaa gaaaacgttt 300

ccnatagctt ntgtgttctg tganctctca cttttnnacc tgnagcantn ttctgtagca 360

tgtcccnnag catnagagna actngatggt gacnatnatt tttgtgccca ttatcaggct 420

ccagtnatct gtgagagggg ataaactacc ttgntactaa cttaggcctt ttgtgatcta 480

atgacatagc tgagggtggt 500

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<223> n is a, c, g, or t

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tttgctaggg ttgctcctgt agagtccatt ggtttccact gcactaggtt tccacctcgc 120

ccctgaaatg ccccccaatt ctactcattt gtcccagtat tttctctctg cgttaaaaag 180

nancgatnnc tcctgttccc aanncnccaa cgctcccata cccccaccca agaaatntat 240

ttccccttтc cagggagatc catgtgcccc caacccccat ccctcctcgt tgcttagtct 300

ctcagggtct gtcgactata acttttactt tacagctaat antcagttat gttangtaca 360

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<212> DNA
<213> Mus musculus

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tccagcagaa caacaatttg cccaccacct ttactttaaa agttcaatgt ccataaatac 120

acataacaaa tactatatga gcttttaaat atttctgaag atcatgggtg actcagttaa 180

cctatgtatt cacaactggc aactttaact tattttaact tcaaacacta gccagcaaca 240

tgcagcaggg atgctaggtt atgtaagttg ttaatggggc aactaaaaat aaacaaacag 300

ccaaactcca tgcaaatata tatttaatga aaaatattag aaaaggtggg cttacaaagc 360

ttttgatttg acattaataa acaataagag attttagaaa cgagtctgaa gggatggttc 420

tgtagttaag gacactgacc tctcacacgg aggatctagc ctcagttacc aacagtcata 480

tggtagctct ca   492

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<223> n is a, c, g, or t

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tagcatgcag gcagacagat attgttggat tatctattct ccagtacata aaccagtctn 120

anaaaatcac cnatatatna cantntnnng nnnnnatgtt atatattncc tattgctctt 180

tctcnagaga atcaagactn atataaatat atgatctgac atggagctgg aaatgactaa 240

gaaatttcta tgtcaagagt gaaatagcct atatgttcat cactagaata ttgactaaat 300

aatcgcagta tatgacagat actatgcagt tcaaagtgag ttagcgcctt caatgattgc 360

tttgcgataa ccttcaaga 379

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<211> 534
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttttttaatt atctgcttgt atgtctaatc actacactgt gctgggagtt ttttccaaga 180

atgaagtaca tgctaatata acgcaatata nagggactca ttgaatattt gaatgacctt 240

ggccaccagc ttgctgcttc cttatgcctt ctaagaagaa ggtcataagg tcactatgaa 300

agagtttgag cttgctaata atctttgttt ctnaaataac tnagtccttc taatattttt 360

tctgattatt ctcacttctn nnanttatgt ttnantcnna tgtnnatnan acagnaaata 420

tattntntta gnaaatngta gttnatagac ntgggtgaag tggcatactc agantcccag 480

atgctcagga agctgaanca ggaggatcag ctgagctaaa tcagtcacac ttga 534

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<223> n is a, c, g, or t

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tcttgttcct ttgtggtgaa acaaacagaa tctcttctag ccagtctgaa acatacaatg 120

tgntactcta atctgtagtc tccctatcgt tttaganatc accagacctt cttgctccga 180

tccaactgca acattgttta ggttgtccaa agtctcccac ctctcccacc ttccactcct 240

tctcggcctc taataactac cactccactc tgtacttcta caatgtcaat tcttttacat 300

tccatatata agggagatct tacagttttt tgtatggctg gcttatttca cttcacgtta 360

ataaccttta cattcgttca tgtgagcttg tttagatacc tcatacaaag agaagcactt 420

ggctagtcat tctacatgct tctcaagaca tagaatgtct gcgactaaat cacttatctc 480

cgtagtcact ctaactta 498

<210> 3445
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<212> DNA
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<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (55)..(55)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (70)..(70)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (130)..(130)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (303)..(303)
<223> n is a, c, g, or t

<400> 3445
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tgcaanttcn cagaaagacc aacaagttag tctcatttna aaaagaatct ttttagaaag 120

tcgtaaatcn ctgacttgtg tttgggaccg gctggggtct gcaagagaat ggtacatttn 180

tacagcccac tgtgaagtgg ctgaatgaca ctcggctcta acctctctgt gtttgtttcc 240

ttgtcgggtc agcaaaagta gcgtgcagca gttgccncag cacatggcct aacctgtgtt 300

atnttataga aaggaggagg ctctgcagca tggtgacttt ctggactttt agcccagctg 360

attgttgttt tcttgtgggg aggaagtctg atccacaggc tagacaaatg tttgtgggct 420

ccctccctgt tagcattaga ctttctgtct ctgttcaaga agcaacacag taaagggagt 480

tgaaggtgca ggccagtggc acacttgtaa 510

<210> 3446
<211> 479
<212> DNA
<213> Mus musculus

<220>
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<222> (27)..(27)
<223> n is a, c, g, or t

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<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)

<223> n is a, c, g, or t

<400> 3446
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ttacattttt tctctcctaa tcanggttcc ctccctctct atcattcctt gctttcatta 120

tctgcactta acacccatcc ttctgtaatt aactccctgn ccacagtctc cngcgcttgc 180

attgctgncc attatcatta cgttcagtca cagctactag cagggtgctt ttgaataaat 240

ggatatttgt tgattaactt aacgctcaag caaatgttgt ggctgaaact ttaatattct 300

atatgcatta atattgatgg cattatgctt aaataccctt gaaattatgg ctgagcagat 360

gttaaatata ctggtgactt gtggctccct atacttttta tatatgcaga aatacataca 420

gacatattgc ttctctgaga ttaaatattt tgacatattt ctgaagtcta tgtaggcca 479

<210> 3447
<211> 420
<212> DNA
<213> Mus musculus

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<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<400> 3447
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tcaggcatgc cattcctctt gttgccattc ctcttgttgc cattcctctt gttgagaggg 120

attccagttc cattactcct acctaaattg gtcactccta agatatgcat gccactactg 180

caccccttgag aggatcatgc catggtgctc atgttttggt tcttaggtac catcgattgg 240

tntgcttgtt gnttgcttcc atcttttgna gcctgcatgn ctccttctgg tgtcagaaaa 300

tgtagtcctc aaagaggagg cattcaggca attctaaaag agtggcctct gggctctgtt 360

tctgaagtcc atggtttctt cagcaatagg gactcacctt ccacctttct attggtagat 420

<210> 3448
<211> 397
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<400> 3448
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tcttctcaaa gcttccctga attctacccn gctggnttct ggtctctgtc cctgacctat 120

gccctagtga tgcctggccc cttgttatca ccatggggag agacagtaac tttgatctct 180

cctgtccngt atatatttca acctaaggag tctttaaatg tcaaattgca cattgaccag 240

agtataccta agaaatcttt acaagcacct tcaggatgct cagtccaggg atatagctca 300

cttatggtga gtgtttntct agcatacatg aggccctgtg ttcaatcatt agcattacat 360

aaaactgagc aggggagaca cctgtaatat caacact 397

<210> 3449
<211> 259
<212> DNA
<213> Mus musculus

<400> 3449
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ttttgctaga gcatccttgt aagcaggagc tctctacctg cccagcggtt gggagaagcg 120

cgggactccg gaggcagaag gctgcccgct ctccgggtgt ccaggcgctc ttcccgctcg 180

ccatccccag ctccccccagc gcctagccct cgccccggcg gcgcccagca gccgcacaaa 240

cttacttgcg ggtcggcgg 259

<210> 3450
<211> 419
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<400> 3450
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agcgaccagt cttcttaacc actgagccat ctctcctgca acccccccccc ccatcttatt 120

tctgttgaca tgataatctc tagttctatc aaattccctg ccaaggacct agtttcataa 180

tttgctgtga ctgaatactt gacnatattt atttaccatg ttttctttct ccagtcatct 240

actgatgggc attaagctaa taccatatcc tggtngtagt gagcagtgtg atnataagca 300

gatgcacagg gatctctgtt ntcttagagt cactctgata caaacccgga agtgctttag 360

cttgatcata cggtagtngt attgttaatc tttgggagaa cttccacatt gctttccat 419

<210> 3451
<211> 492
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<400> 3451
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atgtccacac agatgtcaga agaagaatac atccagcctt gagtgtggtt tttctcctag 120

ggtaggaaat gtgtgaagtt tgtgatatgc cttatctagg aagacctttc ccttcctcac 180

agcctgcctg tggtggtgtc tacaagatac tgaaatggac gaantccana ctccctccca 240

ccccactctg cccccaaagg atgaaaaaaa tanaatgatt cctagcctta gttgaagatt 300

actttacagc atcctcatag ccattcactg cttagaaaca ttgagcacct actgtccgct 360

tgggaactag aggctccaca gtgagtgaaa gggcttactt acatagcgct ggggaggggt 420

gggaagtaat cgagagtata ccagccagct gggcaacctg gggtgtcagg aatgcctcta 480

aactcatacc cg 492

<210> 3452
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)

<223> n is a, c, g, or t

<400> 3452
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gctagcatca gacgcctgnc acgaacccag cactatgcct atccctcctg gaagcctcct 120

gtattttgaa aacaccatat tggccacatt tattaaagaa aatcaaaatg atcaaagtat 180

catgccggaa gttgtggagt gacagtgaca gaccccagat gcagctcaac ccacactctt 240

caccacatca agcaccactt cccaagagtc ctcccgtgct cctgcccaac ttggagtagt 300

tgactgctaa ggagaactaa gagtagaacc ttctggaaca gaatctcctg acaccatatt 360

tattcctcaa tgctgagaag taagggactg ttacaagaaa aaaaagacca aaaaccaaaa 420

aaccaaaaca ttctcagctt cctgggttga cgnaaaatgt gtttactatg ttgtctgtga 480

acacaaatct aggtatgtgc tctttgtgca cagagcgcct attcagc 527

<210> 3453
<211> 528
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (35)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(355)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (497)..(497)
<223> n is a, c, g, or t

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gagaaactat attccaatgc agttcactgt tataggtttt atggtattct tctcataaat 120

gtgtttgtat aaactcaaag atgttcatga aacctcacta cccaaatcga ttcttttctc 180

taaagctcgt tggaatattg atggctgata atttacatgg gtaagagaca catacacttc 240

agagtctctt atatttcctg aactaatttt gattagtaaa ttctcattct tcttaatgat 300

gttgtcacag aggctgagga cccagcttct nagcaactca gtggttcaac acannnctag 360

agcatgcatg aattcctgag ttccatccac agcattggca taaagagttg tcactgggac 420

ttaactgctg agagatggct cagtggttaa gagcatntcc tgaggtcaaa tcccagcaac 480

cacatggtgg ctcacancca tctgtaatga gataagcttc ccttttct 528

<210> 3454
<211> 478
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<400> 3454
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gagaggcagg aggcagccaa atggagggct ccccaggaaa tttcttgtgt cagagcatca 120

aatgctcctg agnccttcag ctgagaggat gaagctccct ccttgataga tagcattgca 180

tgaggtcttg ctntgatant tccttctntg aggtccagcc atgaagaaag gaaaaagaga 240

gcttgctggc ctcttgggaa agtgtggata tagtcaatgc tacacactga taggtagata 300

gatggtcaca cagaggggca ttttctgttt taggttaact caatggaatc actaatcagt 360

tgtgggggc ttctcattga ttttaaaggc tacccgagcc aataatttgt tgatctacag 420

atatttgact ttttgttttt gagtaactaa tttgctgcct gaaactaaaa tccggttc 478

<210> 3455
<211> 464
<212> DNA
<213> Mus musculus

<400> 3455
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gttgcataaa taacccagcc aggaagcagg ggctatgaaa aagtctaaca gagtgataaa 120

tggtcttgaa tatgctgctt atcacacctg gtggagttac aagggactaa gtggtcactg 180

gaagatcctg gtgctggcat gtgccatcag cagctgcaga atctgttacc tgggtcatgt 240

gtcacccatt cctcagtaac tttctttcac agtgttcttc tgaaacactc catctatccc 300

atggggacct tttctgctcc atccagattt gtcatccttt catcatgtaa tcagagaaaa 360

agatggctct cagaaaacaa acgttaccct taaaatcaaa cttgatttgt atataacttt 420

aaaaaagcaa atactctgtg tgtcttctac acttatccac ataa 464

<210> 3456
<211> 422
<212> DNA
<213> Mus musculus

<400> 3456
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atgtctctat gctatatccc taaaggtcca cagctatcct atctaccctg ttacctaaga 120

tacacagaga gtctggaacc ttgttgtgaa agggtcctta tttttatata atgctatgaa 180

gatgctacaa atgagctccg atgaatcttc tcgactttgg cacatactgt ttctatgacc 240

aggaggacca tagaacccca ctccctggga agcatccatc ctgaacaact tcagatcagt 300

atcctccccc ccccccccact ggcctcttcc aagatgccct gcggggctga gagtccagaa 360

ctcacagcca ttttttctcc ctccacagtg acttcttgat tcccctcctc tacaagaaga 420

aa 422

<210> 3457
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (118)..(118)
<223> n is a, c, g, or t

<400> 3457
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aggctggcag ggagaactcc agatgacggg cttctgagca cagaaaaagt cgaaatcnca 120

agcaggctga tggaatcctc cctctgcagt agcctgcttg ggctggctca gttatccatg 180

gtggcaggag ccaagggaga agagatccaa agtgaagaag ctactaccgg tgagacttag 240

tagatagagg caggccctgc tctttggggc ccagcacaga gatgagggcc tcatgagatg 300

ccagctcttc tacaaagtcg gtctcaccgt cttcaggaaa agccaataca tccctactta 360

gagctgttct gagtgattct tctggcttct cccacactaa tcagcttata tgttaattca 420

gtgtttctgt ggttgggtcc cttataaagc tgtgtttcct gagggcaagg accaagtatg 480

ctcatctttc tgtgtcca 498

<210> 3458
<211> 330
<212> DNA
<213> Mus musculus

<400> 3458
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ccatgtgtgt acatttgtgt gtatgtaagc ccaaagacat ctaatgtcat ttttcaggta 120

ctacccatca agtctctcac tggccttgaa ctcatgaagt agaggcattt ggttagctag 180

tgagccctgg ggctcctcct gtcctgtctc tgcctccccc acagtggcat tagaccttgt 240

ttcttttctt ctgacatggg tcttgcggat tgcaaaaagg tccccatgct tgcaaaggaa 300

cgactttagt gactgaacta tctccccagc 330

<210> 3459
<211> 399
<212> DNA
<213> Mus musculus

<400> 3459
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gagtttccag aaagccaaaa ggctgagcag ttctggcagc tgtctatagt cccaggcctt 120

aggaggcaga cagacttcct gtacaagtgg ctcagtggga ttggtaagct attggctcac 180

agagacccta actcaatcaa gtggagagcc atagaggaaa agccttactt cagctctggg 240

cttccacacc tttacacata catgttcacc cacgtgggaa cacgagtaca cacggcagtt 300

agagattttt ttttttaat ctataaagga ttttggttgg ttggttttga gatggcgtct 360

cactgttgcc cacgatgttc ctgcttccag ctcttgagt 399

<210> 3460
<211> 431
<212> DNA
<213> Mus musculus

<400> 3460
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ggatacaaac aggtatgagc tgccatgtgg gcactgagaa ttgaaccttg gatactctgg 120

aagaagtcag cgctcttaac cactacacag tacaccatct ctccagtccc caaagaccag 180

taataatgaa actgaactac ttaaaccaaa acctcttttt aattcctaaa tagcaataca 240

ctattagaca gacaagttgt tctatctcag tgcctaaaac ttttttgtaa aatgaatatg 300

tattaaatgc tcagagctat tttcctaaaa tggctgcaca gcacggtggt atgcaaggtt 360

taatcccaac actctagaga aagacagact aacctcttga gttctaggcc agcctagtct 420

aaggaagagt t 431

<210> 3461
<211> 457
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<400> 3461
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ttgacaagtt gtctcttttt aaatttaatt taatatttga gccttctgca tactttggtg 120

ctatgtgggc tgcagcattg atggaacaat agaagatctt gtcagcaaga taataccaag 180

catttgaaaa ccatctgggg caaagttctg aaggacatgt gcagcagata ttagctctgc 240

cttgtggctg gggaagctga catccagagg tatttttagg aacttccata atgttgcttc 300

actaggaaga tggccaagat ggcgtttgct cctatgtaaa atgcctttga gagccatttt 360

ctctccatca cccatactgt aaataagaga gcgcgcatat gtgaggaatg tggtactcat 420

actcatctca aaaaggtagc acctctgtac taggcac 457

<210> 3462
<211> 404
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<400> 3462
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ccataagcct gcttgtcaga aaagaaagga gggagactga tnctgctctc aagatcttcc 120

agaagtgaac caccccagac ttgatgctcc agctcaggct gggatcacat tcctgctctt 180

tccactaaag ctcaacatgc aactgcagca gcgggactgg ctcctgtgga gggggcctat 240

ntacagttct ncccccctgag acctgctgct tctgggacct gttctccaca gaggaccgtt 300

cttccttgac tttggggacc tcctagagct gatggttata atctctccca atctttcttg 360

atttgtatcc tgctgcaaat gagagtctta aggtctcttc cttc 404

<210> 3463
<211> 359
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<400> 3463
gaacgtgctg ttttccacat ttcacaccca ctcgccaaac ttttgataca atgggaagcc 60

ttctgaaatt gctttaaatn tggatctntc tggtgtagta agtaagnttt gtttagactt 120

aagagtcttt catagaaatg gattggtaac aacagtaaca atcccacttg tgaattaatt 180

aacatcacac tgcttttcca cctntgctgc ctggcaagtt ttgtgtagct tgtttggctc 240

caatgactca tccaagaagt gagatgaatt gattatattt tcatttaaat tttatttagt 300

ccttgaatgt actaggaata caatggcatt ctcatccttc ccaacctctt tgacaggaa 359

<210> 3464
<211> 334
<212> DNA
<213> Mus musculus

<400> 3464
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tgaagagtga gcggtggaga aaccagcggg ggcggcggcg ggagagctcc ccgggagtcg 120

gaggaggtgg cagtcgggag cccagccaga aggagaccag gaggcagacg ttggtgcctt 180

acaggcactc actcccttct ccaaggatgg atcctggcgc agtccggcag tttcctggcc 240

cgcccgccag agtctgaact gcggatccct attctcctgt ggagcaccgg actgaaggag 300

gtacagaccg aaggatcctc ctggagggac ctcg 334

<210> 3465
<211> 278
<212> DNA
<213> Mus musculus

<400> 3465
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gattatttgg ggattcaccc attagaccat aagcctcttt ctcctctgct gactgggttc 120

tgtgtctctc catagctcag agcctgagcc agcaccgtgc agagttactg ttagtgtgcc 180

cccgtgccca gttgccgccc tgaaaaacat tacaatgtta catgactgtg gattaaaaac 240

agacgctgtc tgcttcccac atgtacccta gacaggtt 278

<210> 3466
<211> 354
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (75)..(78)
<223> n is a, c, g, or t

<400> 3466
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cactccatag ctctgcatat ctgcattgct catgccttac taatctgcat attcttgtgt 180

tttattttca gggaaaagca gtatgacaat atagcaattt acaaaataga tgaattaaaa 240

tagaagatca ttttttccat aaatctgagc ctgtagagct ttcttaaaat tttattacca 300

aaagaaatca gcatagatgc agcttggcat gtggatgaat gtgcttgccc accc 354

<210> 3467
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<223> n is a, c, g, or t

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ctgcataaca gacatgaggt accagtgaag ttatgcagac cagtacctgg gtcaatatga 120

tttaagtgac ttgaactggg ttcaaactct gtcttctcca tgatcactan tagctgcctc 180

catccactat gaagaataca cttaacagtg atcaggtggg 220

<210> 3468

<211> 304
<212> DNA
<213> Mus musculus

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gcaagtttat ccacagaata acatgcaggg caggaggaga tgcctccact atcgtcttca 120

atatttgtgg aataacaact ggaagccctg gtgtcatttt tttttaaaaa gttctctctc 180

atttgctgtt gatgtctcac acttcagcct tagactttcc tggaacttgc tgagtagccc 240

aggctagctt cagactctcg gcttcaaaat aactgggatg actgggtgtg agcgaacaca 300

ctca 304

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<212> DNA
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<223> n is a, c, g, or t

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cctcttcccn tctttgcttt ttactgccct ccctttgttc gtgctatgaa atgac 115

<210> 3470
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atcaaaacca atgtatggga agaaagggtt tattttcatg aaagaggtgt agtccatcac 120

cacgggaagc aagggcaggc accccgagga accccgaggc cactgaggaa ctctgcttat 180

tcgcctgtta agctaacttt ggtatacacc acagtgtata acaactatca tgggatcttt 240

ctgcccatca tgggctgggc ccttccatat caaacaacaa tagagaaaat gctcccaccg 300

acataaccac agagccagct gatggagaca ttttttaact gaggtcctnt ctttccgagt 360

tattctagtt tgtgtcaagt tgacaaaacc aaccaccacc ctgcgattat gcctactgtc 420

tatgaagtta cagtcaaagc ctctttacag natgtattgg gggcatttgt ccgatttata 480

cctca 485

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttcggacta gcttgcgcat cctgttttct tgaccctgct ggcagtcact gtcaagctcc 120

agacgtggaa tgtcactcga gacccaggcn tatctcaagc tctcatttag nccaaggtcg 180

agcacctgga ttctctactg cctccctgtt ctctcgactg ggatcggtcc gggtctgcta 240

aaggggtctg aaagctcccg gaactccagg taagggttgc ggagagcagc gggaatnggt 300

gtgtggctgt gctgggaatt aagccgttta gaatacaaag aaaaggagta aaagacagaa 360

atcaaagata atttcctcgg tgacaaaaga aaaatgttcc gactccgccg ggactcgaac 420

ccggaacctt tgaatgcctt cagcctctag aagtccaatg cgctatccat tgcgccacgg 480

agccacctgt tggaggttcc gcgcatctgc cgtattaagc taga 524

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctagaactct gttcacagcc aatctgaaac tttaatattg agccttcaat aaattctgga 180

tagagaaatt gatttaaaaa acaaacaaag tgtgtgcctt gggtgttctg aactaatctg 240

cataaatacc anactnnaac tgtacatntg ataagaagat cnatgtataa ngtagctgat 300

ttaaacaaaa tagttctant nccttntntt ctgaactgga agcccatagc aatgcacaac 360

ctaaagaaac aaagcccgac tggagaactg agtgctga 398

<210> 3473
<211> 263
<212> DNA
<213> Mus musculus

<400> 3473
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tagcaggaga gagttaggtc ctcttggaac agggacagca tatgggtaag atggagcctc 120

tagagttttc ctgtatcatg gcggatctgc aagggtccac cacggaagga atcagatttt 180

aataaggctc gcaaaattag gttttagttg ttgtgcccag agattgagtt acaattgttt 240

ctgaactaag tttgtgttgc gtt 263

<210> 3474
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<212> DNA
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agatctggtg gcagtagaga gatatttcta gaaagaaaag ttaaacatta tagagggatg 120

gaacagaaca agcgatagga accaaagcct taccaatgag aagtggtccc atgtgtccac 180

ttcaagaaag ccaaggctac attttaaaac tcagcttctg catttcaagt agaagcaaga 240

catgatgatt taagttgcac aggcatgcct ccaaaggctt catggaatct ctcntnagaa 300

gtaagttntc ctaggatgac tgaaaatttt cttagatgac acacacatac ctctattgct 360

cttnccttga caagacgacn aaccaaagag atnnccctctg acctcngtat ttcagaatcc 420

agnanacant gaancaganc ctntgagagg cantcctgag ggggtggaaa cctggattnt 480

aaggaccatg cccatgcttn tcaggctncc acaatcatga ggatgcttta agctgc 536

<210> 3475
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cctcaactca gctcctgatc tggaaaactg ctggcttgta tgtcctgcca gcttgccact 120

cttgaccatg accccactct gttgtgtgtg tctgggncct tgtgcctaca cctcctgact 180

ggttcgnctt cagtggnttt ccaagntctg naagacnagg aaacatttgc taatcactaa 240

attcttctgt gattttctca ttccatggct gtaggtattt ggcccaatgc ttcttcttgt 300

ggctctcttt actgcctcca aannacacca gcttccactc cctgtgcctt cctcatacct 360

tcagacctat atgcagttag tgttctggcc actgngctca atgggagctc cacagtactt 420

gctgatgaga ncacctccaa caggtggcca ctatgctgta tgtcattcat catgttaact 480

tcagggacac atgtctcatg gtttggaatg taaaagattt aaacaagagt gtgtcaatat 540

ctttccatca c 551

<210> 3476
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<212> DNA
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<223> n is a, c, g, or t

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ngccttttcc cgtgagtcct ggaataactg aaccatcatc cattaaggct ctcccgatac 120

tgattcttta gtaagtcact ctgaattctt ttgtgaagtc acccttcgtc actatcatca 180

aggaggtgta acaagacatg aatatgtctc tgcccctcgc tgccctctct gtcgcctttt 240

aatctagcca tcgggatgat gggatgatcc acagagcgct gaatcagggc cagcttcgca 300

tgccatgttt aatacggtat tagtgtgcag aagctgtgca gcccgataaa taataagtaa 360

taaataatag cataagcatc gttggcaatg gtatattgag tttatgagtc catttaatta 420

ggccgtatca agaatatttt tccacccgcc tgtccctgta atctgctgag aactcagata 480

acagtaggtt tattagcacg tcaatcctgc cc 512

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atgcgtgcct gaggcctaag gaggccagaa gagtgcatca cattccctga gactggagtt 120

ataggtggct gtcttagtta gggttttact gctgtgaaca gacaccatga ccaagcagaa 180

ccagagagga ccggttagag atctgcacag ctcagaagaa gaaagggagg aaagaaaggt 240

ggaatctcca tatactgtct ggccctatag cctcaggctg gctggggatg ctcctgccat 300

ggcacactgg ccttggataa actgncccct gggccaccat ganacagcag cnagtnccac 360

ctntgancac atgccctaag tgtntacnta tgtcctgatg agtcacccag actnctcacc 420

cactacccct gnagntnatn tgctgggtcc ccagcaactt ggtatgattc acccttgttc 480

tgcagtt 487

<210> 3478
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<212> DNA
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ctcctnnggn ggatgnccta ngntccgcnt aatgtttgct tgctcgnact cccatcagtt 120

gctgaatgaa gtctgaaaaa ataactttct acccagtaat aaccattatt tccttggact 180

atcacccnta gaaggaatca gtcagaatat atctatctgt atttaagggn tggcaagctg 240

gtactgtagt tagaacnanc nanccaaccn nnnntnncnt tgaaaccant gtgaaccaga 300

gttctnatcn ntcagnnncc cagataaant gantgagtag gcttggcagt ctgcttnnaa 360

cccaagccca gaaggtggag acagatgatc cccagagnag cctgttagcc aagacttggc 420

atgtcagtga gctcttagtt tgaccaagag accctgtctc agtgagtaag gtggaagagc 480

aaagactcct aacagcatca gtgtctggcc tcta 514

<210> 3479
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<212> DNA
<213> Mus musculus

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gtggacatgt ctgtgagaga ttgtcttgat tgctgattga tgtgtgagag cctggctcac 180

tatgggcagc actatcccta gggaggagga cttgggnctc tattagaann ctaccngggc 240

atgagnccag tgattgagcc agcattcctt canggtttct acctcaagtt cctgccctgc 300

ttaattaagt tcatgccttg acgttcctca gcaatggacg acgatctgga aggaataaga 360

tgtagaactc tcacctcctt caacaccatg cctgcctgga tgctgccatg tttcctgcct 420

tgatgataat ggactgaacc tctgaacctg tcagccagcc ctaattaaat gttgtccttt 480

gtaatagttg ccttggtcat ggtgtctctt cccagcactg aaaatgataa ctaagacgtc 540

tttccccatt tacacttatg tg 562

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nccccacagt tatggctgag gtgggtccta ggtactccat ctggagtgct ntgctctgat 180

ncnagagcng cagctgagct cnataccttg nccngattct ctggagctcc tgcttgtagc 240

cattcctcgt ggctttgnat accctaaacc tatgaggata tgtggatcta ggctgtagaa 300

tctgcaccga caggggcctg cgcatctcan aacngtgtac actcagggta caggtgnttg 360

naagaantgc tgccaatatc atagnccacc aagaactcga ggaggcntgt acctaaagaa 420

atgggcaaaa gctagaatnt taaatgcatc tctacctatg aataag 466

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tcatgcattc agtcctgtct ctaggcaagt ctgtatcagg ctatcctaag ctcaggtcct 120

gaaaaacatt acctccctgc tatgtgtacc caacaggtaa ctcattgtta cttatattaa 180

acaactcant gaanatgtga acaaacactg gaactgtcaa aattaagaac tttgaagcct 240

cctaataaaa taccatgatg ataaagtcat caattactag tccatctatg ttacatntcc 300

tanaaattcc tgaantctna cttttcnttc tancttntcc aatnctgtac ctcaaagggc 360

ttngacaaac tncacttggt tnattgtggc aacngtattt gtaatgaccn gtcactgtgg 420

tttccacaaa acactttgag gatagaccat tattntacat catnccttct gtcagtnacc 480

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acatgaaaga agagagacac agagtgggag cagagctcta acaactctcc aagtgtagca 120

ctctacaaca tttcaagtaa catagttcag tcaggctata cagagaaggg aaagggcaaa 180

gatgtgatta agtatggtga cagcagcagc cttcacatag ctaagagtta gcactaggac 240

atttcgatca tgcagagcaa ctgttaggaa cttctgtcta acaatcacaa acaggtttgc 300

ggtcancctc aacatgtgcg ctgtgcattc tatagtcaat ttggaaagat ctgctcaatt 360

atttttcaaa acaaaaattt caatccagta aattaatatg tatacaagtc agacaannaa 420

aacacagata ctgtacaata gtgtgagaga ctatgaaatg gcaatacttt tttaaaccac 480

agatttgtaa tatatttgtt cactgtgcag a 511

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<213> Mus musculus

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<223> n is a, c, g, or t

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atccatcact tgcaaaatga attcatataa tttgtgaaca ttattaatgt aaatgagaca 120

tttctgctta gatttttttt tattttgatg ggatcattat atggttgatc atatgtgtgt 180

aggaagctgc tgtacaatta acttggagat ctgaaaatgc tttttgtcct cattgttaca 240

gtttcaattg taatccattg catctcattt tcttgggtgt tggcactgta atatattaaa 300

aaaaaaaatc agtgctcagt attgtaactn actntcccta cngaatattc cttttcataa 360

atanttgctn ccacagggna attaagtttt catatagaat aactagtttc agtagtaagc 420

nttgnaaaat tanaaatgtg gttcaaggca gatattttta tgaaaagttt tntctattgt 480

naaatttgtt gtatatggct atgctactat catgg 515

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctgtctcac ctcacgtggt gtggtctctg tggaagtgta tgataagatc tttattcctc 120

actgtggctg aataatattc cattgcattn ccttagcaca tctcgtttcg cttctccatc 180

ccatngcagg tctgaagtgt ttcttantgc gtgatgcaaa caatgctgct atgaacacgt 240

gtgttcaagt ctttatgcga aagtgtttta catagtttat gtacatagag aagagntact 300

acttccagac ggtacagtag tttaactgga tctgaggagc tgcttttgtg tcccgagccc 360

ctgttgacta cctctgccct gaggccctgt ctcagctgat ccttggtttt tcaagtaggt 420

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ggtcttctct gtataacacc tcgg 504

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<223> n is a, c, g, or t

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ctgggcaact aaaaaacaaa caggaagaac ataagaatgt aagggcaaga agagggaggt 120

ttgttaggtg ggtgaaatgg ggcctgagaa ccagaggtat agattcctca gaaaaaantg 180

tcgttgggac ttgagtatgt gtacctttg agaangggaa aggagggaaa aatgacagga 240

ttcttcctgt ctcagctgaa attgtgggag cttctccgat ttggagaact aggcaaattc 300

aagtctgggg aggccatcag cagtataatt aagtaagaaa caaaggtccg aaaggcctaa 360

gtgggggact tgtaaaaggc agctngccgg nccggaaccg ggangnntct ggactaaagn 420

tgntgatttt taggccattg tggttgaagg cntnaggctg attcccacaa gacatactta 480

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<223> n is a, c, g, or t

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aatataataa cggttccaca gttaaccacg cggtcctttg tggtatccat gctcttagaa 120

ccaaagaata atcttggtgt tgntgtctca caaaggaaca tgtgaaccaa gcagaagtag 180

gtcagtgagg cacttgtttt taaaaaggtg cgtaagaacc cagactgggt gggcaagctn 240

ngangggcnc gaagtgccct tgattctgat taaatgaggg tggtgacggt gttttnccca 300

ttntntgggg gctgacttca tgntntttca acnttggtta gttttacaag attcaagnca 360

atggaggtga gggaagggac aaagcantcg ttacatnaaa gtttgattgg gtgggaatat 420

taaagcattt atataaaggt ctacaaggga aaagataaaa agatttgcat aaaagtctta 480

aaaaggtgag agaaataaaa agaattgaat tctttgtcct aattaggttc tatagtgttt 540

gacag 545

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<211> 402
<212> DNA
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<223> n is a, c, g, or t

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atcaatttca cttaaaatga cagtgtttac cagctgttgg tcccagaagc tgttggccag 120

tatggcattt acacatactt tgatgacatt tcgcttttaa aacttggatt cctgcacata 180

ggcaacactg aaatacattt cagtgtagaa gagttgaata atatcaagtt acgaggtaga 240

aacaggaagc ttccgcttta acttgtttgc cttttccctt ccaggcctca tagcatgcac 300

atacatgcct gcatagctgc agatgcatag ctccatagct tcatagctgc atagctgctg 360

gtgcatatag ttntaataaa caccgtggga tcatactaca tg 402

<210> 3488
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (302)..(303)
<223> n is a, c, g, or t

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<222> (307)..(308)
<223> n is a, c, g, or t

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tggcttttcc aggtaatacc tagatagcca tcctcctcca tcatttccac ctgacaaatg 120

ggcatctttc ttgaggagat atgcagtaca caatttgaac actagtaata ctcaatttcc 180

atcctcctgt ggagaattcc ataaatctct gattagtgtt tgccctcttt ggaataaact 240

tctaattgat atctaaagat tgctgcttgc aaattaaatt acacttctct tntccnttan 300

gnnaagnnac atcacccaga cacttctcct gagcacacat tcctcctctg actctcaggc 360

ggtgattc 368

<210> 3489
<211> 284
<212> DNA
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<223> n is a, c, g, or t

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<222> (220)..(220)
<223> n is a, c, g, or t

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<222> (236)..(236)
<223> n is a, c, g, or t

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<222> (257)..(257)
<223> n is a, c, g, or t

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<222> (259)..(259)
<223> n is a, c, g, or t

<400> 3489
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tacagtcaag gaggcngggg ggagagttct gtgggtaaga ccacctctgc acaagcataa 120

ggacccgctg ttagaccctc agtgcccatg acataggcca gatacacctg tctgatagtc 180

cagcactggg cgtgtgtggc agggagcaga ctttgngacn ggacagtatc tttcanctcc 240

aaatttaatg aggattntnt cccatgttag taaagtgtag agtg 284

<210> 3490
<211> 292
<212> DNA
<213> Mus musculus

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<222> (28)..(28)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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tgagcttgan ctgtagaatc cacatttaaa aggccaggaa taaaggcaac catgtctaat 120

ctaagtggct ggaatgactg agacaagcag gatgctgggc ttactggaca gcctgactaa 180

tataatctgt gatttctgag aaaagacgtg actctgtctc aaaactcaag gttgacagct 240

taagaagtaa ccctgagttt gacttctgac cttgataaaa tcatgcactc at 292

<210> 3491
<211> 533
<212> DNA
<213> Mus musculus

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<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (449)..(449)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttccctgtg ggacctgcct gtcataagag gagggtggtt cttccggaac ccttttctct 120

ggttccctgt aattaagcag gcttaagtga tttctcctgt gtgctgctgg gtactgtgaa 180

ggaaactcag gcaagttctg aaagtgcgac atgatgagga tattgtcact tcccacagag 240

gtgaggagcg ggatcgggtg tgctgggtcn tacggaaggc tgggtcggaa ccagcagcta 300

catgcaggca cctgtgagtt gcctcgtggt tttagccgct tctngacccn acggtggcac 360

ctgcataact tcgctatntg gnctgaatat tcacnaaacc tttcgagcag ggtcctgtgt 420

atagaaacac ccttagcagg atnccaaant cagacnggct aagtttcttt cgtgtattct 480

acaagttctt ctcttggcat ttagcatttt ggttgtcatt catttcgagt taa 533

<210> 3492
<211> 429
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

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cagaaaagtg ctgtggtcag gttggtttta ctatttaaat cttttcgata tatccagaac 120

tgtgtttcta aaatgcttgg ctggtttgcc ttaattctag cctgtcccct ttattctcag 180

ttcactgttt cctggatatc tgttggtctt tnccgccaga tatcaggttt ttcctacact 240

gatttttttc tcagaaatgg ttatccttcc ttcttaaatt gtcagaagcc accagctcca 300

ctggaggaat catccntgaa ttggtacctg cctgtcaaaa ggcaacggag cttgtgtctg 360

ggagctgctg gtttactaaa gccaggaggt ggtggtttac nctgttcata taaatcagtt 420

tccccaccc 429

<210> 3493
<211> 424
<212> DNA

<213> Mus musculus

<400> 3493
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agcatttctt ttaaattgtt taacttgggt caaatgtttc aggtagtctt ccacaagttt 120

ctcacaataa gttgggtcaa ttttggccca ttcctcctga cagagctggt gtaactgagt 180

caggtttata ggcctccttg cttggacatg ctttttctgt tctgcccaca aagtttctat 240

aggattgagg tcatggcttt gtgatgacca caccaatact ttgactttgt tgtccttttt 300

tccatcctca tgatgccatc tattgtatga agtgcaccag tccctcctgc agcaaagcac 360

cccctcaaca tgatgctgcc acccagtgct tcacggttgg gatggtgttc ttcggcttgc 420

aagc 424

<210> 3494
<211> 526
<212> DNA
<213> Mus musculus

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<222> (231)..(231)
<223> n is a, c, g, or t

<220>
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<222> (247)..(247)
<223> n is a, c, g, or t

<220>
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<222> (251)..(251)
<223> n is a, c, g, or t

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tctggaactg tgaccctgga cagagagagc agaggatgac tgtcatttct gggaagcagc 120

tgcaaaaata tcgtgatctc tgggctgcaa tccattatgg ttgtggggtg gggtcgggct 180

ggaccagggg ccactgtagc atctcaacta tgctccagaa ggttgtctag nagacagagc 240

tctgtgngca natggaccag gctaatctat caggctgggt taaactacca cactcaaagt 300

cctcacaagg ccctggaaga ggaaaagacc tggccagcta caaagccaaa ctcatccccg 360

gggctggact acgaatgtct gtggaagact ctggcctcca gttaaagaca aggcaaatac 420

tcggaagaga gatgactaca cttgaattct agccttgaca ctttccagaa gtgtgactct 480

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tnaaanccca ttcctcngag ctcaggaaat catgtggaag agnagaatgg aagactgcaa 180

ganccagagg gnagnagang acacngggaa aacaaggcct tctggatcag gatgcaggaa 240

gcataagcgt ttacagagat tgacccngca tgcagcagct catctgcact taggttatcg 300

ctatcagnat tggtgtattc atgggactcc tgactttgag aactcatgtg cctgcccttg 360

ggactccttt tctcttattg gttgctgtgt ccaatttcag tatgatagtt ttttctcatg 420

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cccntagact gagaagtaag aggcatctgg acnaaagagn aaagtctcta gcaattaatt 180

ctttacttaa ncccatgcta ttttaggatg aggtgttaag tgccagagac cacagtttcg 240

ggtctcagag aaacacagga ggcaggtcag ctacagcagc aaagtaactt agacttagat 300

aagtaaactt tttattatta tacagcaact ctagatatct tgaaagacag tcttacccct 360

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aaaacaaacg aaagagaaga acctgccagg gctggccac 459

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cttcanttct acanttttcc ttcgtggctg aantgnaaat gactttggag agttgaccct 180

nnatgaancc gctnagctan atccattnnt tantttgct gggttgnata tctgttccan 240

agatgactgc tttgtgtgac aacnaacggt tctactntac tactttcagt tggatgcctt 300

tcctccggtt cactttgtat gctggctgct gtagctggaa ttccagt 347

<210> 3498
<211> 313
<212> DNA
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ctgggtgtct gcttctgggg gatcgccttt tttcagatcc agaatctgtc tgtctgtcta 180

tctacttata ttatgaatgc taactatgtt cctcccaaaa ctgcctgcac gagtgtctgc 240

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<210> 3499
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<212> DNA
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cttgagctga gtttgttgac acaaagtatt tnagacactt agcacaaaga atgccttttc 180

ctgtgggggga aattccctga ggaagccctc tgcacaggtt gtcccttctt ccaaaaccca 240

cagagcaaga gccttcccct cagggaacat cagggctgtg caagcttaag atgcttttg 300

cttgtactct gccactcttt gaacccttct cattcagctc aaggactgtc actgatgttc 360

ctccccatnt catggtcatg cctcatgtgc cccctgccca tgaactncct ctcaacagac 420

attcattgna tgaacacagn aactgcacat ttgcaganct tagctgtgct cactgttttn 480

cctctaatct gnaagttcat aaggtaaatg attcccataa tgtgccggtg 530

<210> 3500
<211> 336
<212> DNA
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tttcaaatac tcttgtgggt gtctgccata ctatactgtt catactgagc tgcacagtgc 180

ccccaggtag gtgctaagcc tgtctcgtac tcttggagca acactaggtg caacttctag 240

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ccaggtggtc aactgctctt tcagccaagt ttcaga 336

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<212> DNA
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aaatgcatca ttcccattct tccaaaagtg gactgcatgg tcacctgctt tttcttttcc 120

aggtcaggat agtgagtgtg agggcctgtt ccattccagc tctatctcca ccctgttgga 180

tgcacagggt tttagtgatc tggagagaag cacttcttct acgccaggaa tggggtctcc 240

cagcagggac ctgctccaca cgagtgctcc agaagaggta cgtgtgggat tctgacactt 300

tatgttgacg gggcagtgcc tatactgctg tatacatcgc cagtgctgtg tgatgtgggt 360

tctttccagc agtattacct actggtctat tctggtagct tttgtgtact gttggtctct 420

tttcattttt aaatgtntnc ttccntcttt ttaatnaann ccttggacaa agttaanatt 480

gcttatanaa ntcantaaga acaagacagg taggttgact tgtncctata atttcagctn 540

ctgaagaggc agaacattcc ttggttagaa 570

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<212> DNA
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cagaaaggca cagcccttnt aatcaccccc cantaggcca cctggtgctg agggaattct 180

gctgccttct gaactgggtc acacagtaca tgctgatgaa gcaagcctcc caggaattat 240

cactaggaag gctgtcctga tgaaaagcaa tgaagcatct tgggtaatgt gagtgtaatc 300

tttgagtgac attcagattg caagtgagat acttntgcag tctgaggatg gaatgactac 360

tgatgcctct tcttattcaa tcttaatagt cnagcaaggg ctttgggaaa gttaacttct 420

catagcagcc atgatggttc cttcccctga gagtttgga 459

<210> 3503
<211> 486
<212> DNA
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ctgcctcgtt ttccaggtgg ccacatccag caaagatagg tagagtcttt tcctgtatct 180

ctttgatgcc agaggaagtt ctcagatttg gggctcctga aaagtaacag ggtctacctg 240

gataaactgg tgtttttttc ctttgtgttt attttggcaa tgtttctagg ttttgtttgt 300

tctattcnat aggctntgga aagtagaggt gganatagct gaggggtagt ctaccttctn 360

tacttgatga agtcnaaata gtntaagtat naccnatgta tgtctttctc cacaatacag 420

ggggcctttc tatgatcntc tttcatttga ttaaatattt tgtaccattc cttatgatgt 480

ctatga 486

<210> 3504
<211> 310
<212> DNA
<213> Mus musculus

<400> 3504
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aaggtctcct tgtttccctt gataatcttg aatttgcagc catcttcgtg cctctgcaat 120

tataattatg atattaataa tagttattat ttaaaaccac atttggagca agtggtttga 180

gcaaacacta aggctaaaac ttgagtgctg tgcacagtaa gcaaccttca cagtaagaaa 240

cctgctctct gccctttcca ggactgcaga gtggatttga agttgttcac actgagatga 300

gccttggtcc 310

<210> 3505
<211> 172
<212> DNA
<213> Mus musculus

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aacacctcag ctctttagct cactggtccc atctatccct gctcagagat gagccagtcc 120

tccctgaggg cggagggaat gatttaggtg agacctaggc tccagccact ct 172

<210> 3506
<211> 493
<212> DNA
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<223> n is a, c, g, or t

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ctgggctaca tggtgtcact ttgtctcaaa aaaacctagc tataacagaa aatacaaatg 120

ttggtgatga agtggattat gaaaataagt agagggctag agctataggt tagaagtaga 180

gtgcttattt tgtatgtatg aggccttagg ttcaattccc tgtactgcca aaatgaattg 240

cttcgcttaa gctatagaaa tatttttat atttttacaa tgctttgtgg tttcaaaaac 300

aatcatttgt cttattccta ctaatagctt taaattcaga gaacaggctg gtgggattgt 360

cagtggcgta ctcccctcca tgataaaaac ncactaacag cataaagtac ttgctgtaca 420

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<210> 3507
<211> 336
<212> DNA
<213> Mus musculus

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tttaatttag caaattttct tccaaccagc ttaatggttg aaagaaatgc tcttctgaga 120

gcagaaatgg aattaggcaa tgcaagagtt ggagcagtgt ttgcttcctt gtaattcaag 180

tcattaagcg tcaacttagc caaatggaaa aggcctatct tcttcactcc ggtgacagga 240

aatattattt tcctagagcc agggttttgg acatgctcca cccccaaatc tgactcctgc 300

cctttaccag tgcaacatgt tatttcagtt ttccat 336

<210> 3508
<211> 346
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcccaggcaa ttgtgaagcc atttgggaaa gaatgcacct ttccttccgt atgcttgtgt 120

caagaagaca tagatgccaa caaatcagat gctnaaagct gcaagaaacg gatcaaaatt 180

gtcaggagca aaagcaccag gcatcacagt ttacatatgg cagaagagag gtccatgttt 240

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aaaccccact tttatcctta aaatctctgg ctctggaaaa cctgga 346

<210> 3509
<211> 462
<212> DNA
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<223> n is a, c, g, or t

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tagtgaaagg aatatgaaaa actaatctct aaacaaataa aatataaaag tcagtatgaa 120

tgacaggttg gtagttactg ataggaatta atctcaagtt ctgggatata acagaaagca 180

agtgtgcatg tgttgtgtgt aatatatctt aagacataga aaaacangat cacaaagata 240

ttcatcaaat gaatgtcctt tgaagagttt ctgtctattc aaatttcctt cctggtccaa 300

agcatgctct ggcctctcct atgggaactc aaatgggaga tctttttcct tcattcctgt 360

ccaaggctta gtggatacag ccattccggt tttcactttg aacatctaga acaaagaagg 420

gcaaggcatt gaaaataggc ttgtttttg gtgatggtac ac 462

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<212> DNA
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<223> n is a, c, g, or t

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cctcttgtgg caggaggtgg agctgtgtaa aaacagccac caagacaagc tgggcctgat 120

ggtgtgctat cgcacagatg aggaggagga cctaggcatc tacgttggag aggtatggag 180

aggtgctgca gcaggctttg gcacaccgag ccccagagct gttctagtcc agctctgtgg 240

tctttccaca aagtctttcc aggctttagg gctgcccaga ggtcctaact acccactagg 300

tgtcacagta ggttgttggt gtcnagncca ggntgnctnt ggtttcagta tatccaagga 360

gacanccctg ntgacctgta cncagncatc naggatttaa tgggncccac cttctctccc 420

cattttcttc cctttggcag angtctatgt atgctagcac tntcctacta aagctactct 480

tccaaatgga aaaggtccca ctncccagaa cacacaactt tatgtatttt cattatgaag 540

aagcatctag ccacat 556

<210> 3511
<211> 488
<212> DNA
<213> Mus musculus

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gtccagtgct gaacccgagg cgcactgagg aggcggagga ggaggcggcg gcgctgtttt 180

cacccactcg tgttccctga tgactcggaa accttcaggg gtggcaagga gtgggtggga 240

aataggggag aagtggcgct tttggtggtt gaaancgaag gaaacttnga ctacngagga 300

ggaggaggct gtnggcatct nncntnctta gtaaaatcan ccctttcttt ngcctggaaa 360

agagggagaa gagagtagtt ttcatttctg actgaaacng gggaggaggg aacgtaggat 420

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agccctgggc tgacacctgg accaccagcc cgttcattca acgctgacaa ctactccggg 240

atgggaccct tattttacag accaagagac acaagcaccg aggagcnaat gtacccttat 300

anntntggct ggacantngt gatgnnntnc anntntnnnn nncnnncntn ngnggnanag 360

anaggangat tnttaatttg nanccanact ngntnaccta gtgagacctc atntcaaaca 420

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ggncagaaga gaacattaga gtccctggaa cttcggctac agatgtaagc tgctgtgggg 180

atgctgggaa ccaaactgca agagcagcag gtgctcctga ccagagcatc tctccagccc 240

caacagggtt aaccattttt naccccagac ttttacttcc tattatgtca catcgttcga 300

tgcaggcctc atattgtcat agttgaaggt attaattggc aaataaaata tcagaatgaa 360

aacagaagtt tgaattctaa tctctatatt gaattagcca ataannggnc ctcagcactg 420

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gggctttttt cccctacccc acccccattt ggacaggaac ccaggaagtt ggggttccag 240

cctggaaagc ggaggctaga ctccttcctg tgaatgtatt gcctttctga atcggaatct 300

cagaaggaag tggggttaca gtttgttcct tgagtgtttg actgccttac agcgttacct 360

ggtgcatgtc actgaggccg agtcccactt gtctatgact ttcacgaagg ctggcaagat 420

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acagggatga gccagaggcc atgagcactg tcccttggac acggcttcat gctgactcaa 180

gcaacgttga cttcctctgt gctcctgtct gacttggaga gttcttgagg gttactcaca 240

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ttctataaat accatacctt ggctttctgg tctcacaaag tactagaagt ttagttactt 180

ttaaaaaata aaaagtattt aagcctgcca cctcttcggt acttagaata aagcagagaa 240

ccagaccaac tgtcnctgcc ttcgtgggct tatggttagt ttgtcaggaa gcaccaccat 300

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tgttctaaca gattggggcc actttatatt gagtccattc tgagttcatt ttaattctag 240

ctccccaatc ttgggaaata gagggtgaga gaactnntan tgntnccant ctttaanctn 300

tcnaaacctg tctccagtga cagttcctta agcaagacca cactntntaa nccttttccna 360

acagtgtagg aactgtaatc aaggggtnag atagagagcc aatgttatgg ggaacttntt 420

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aggtctccag tggccagctc gctctgtctg gccccattcc tggattctca gtgcccagcc 180

catcagcaca aagtacctgg ggagaatgca ggccaggaag aaattgcatc tgcaaggaaa 240

atattgtttt atagaattca gtggcccatt ctgtaaacat tgtggttctg cctcaggttt 300

ttttcctgcc tgtcttcagg gagcacctnc agggagcacn tccannganc accaggnagc 360

acngggcagc cagatgcntg ngcttaggaa natatgtnct tnggntgant ngnctnttgc 420

acaggatnga cttggggant ttaccangca tgtgagagan tccaggagtg gtgctggttg 480

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ttgccttgct aacatgaagc ggtcacctct gaaccacacc tgacttgtga ggctttcatt 180

tccttgatgt catggtggca aactgcttgg ttgccgggtg aacagtcgtg gtaacagcta 240

caaacctgac ggccagttct gagaaagctc cttctgccct tgagggaact tccacnggaa 300

cattnnccat tggnnaagtg agnacccaag tttttatctt tnactgagag cagaaaggcg 360

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gtttctgccc ttctgtcttt gttgaagaat ctagatgtgt tgaagacagc tgctccagag 180

tttagcacct ggactgtgtg tgggaaagtt catttgctgc agctaggact ctaaagctgc 240

ccagcttctc tgaatcctag gtgaatgtgt aattaacaca ttttgttcca tgcccctgag 300

gtttcggggt tggttgtttt tgtggtactc caataacagt atagtaggta actgagacag 360

tgggttcctc ttgtaaattg ctaacacatg gtcaaatgct aggtcagttt gggattttgt 420

accttgagtg tggtgaggaa aagatgggag gaacacaata agtgttcatt ttagccaaag 480

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taagaagatg ataatctctg aacacattgc atatgtaaat gtagatactt cttgagcaat 180

atagtganct atgacttcac atacacacac acacacncca tctgtatgta ctgtacacat 240

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cacaaacctg atcttgcctc ctgtcactta ccaaccgctg acggctctcc tgaacattaa 240

gatgaaagca gcattcctna tatancataa ccccacaggg ctgacttcct cnnacgttcc 300

aacctggtac acantcccct gcaccagcat tgctggccnc cttccatttg ctngaagatg 360

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tagctcttgc tcaccacaca ccnatcaatg caattgccac ttccccaggg aagtggactc 480

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ggtctggagc actcatttan cagaattagg ctctaaanan agtngggcag ggtggggtgc 180

tggtgnaaga taccaggaaa cgnattgtta aaggnccana gggcaaatgc caaaaaccca 240

anctggtacg gtnaggctcg tttnaaaatg tcaganaaaa tccgttccat gcnaantggc 300

nctgcctcca agctacaaag gatcccctcc cccaaggtnc ccactggagt tttgggggtg 360

gcccaggtag ggcattaatt naggtggggg ctgctaaggg gccgtttgcc agagcttgtg 420

attggcaggc aggctgggaa gcccagatan ctgggccctn tcaacttnta cccattctag 480

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gttttaaata cagttccttt ctggtatgga atgccatcac tgaagtttta cactaagcca 180

aaggaaatca tttgtgagtt tatgaacaga ccacctgctg gttgcatggc ttaacttacc 240

atctctagat gatanctgtg atnataattg ntaatgttta cttctntntg tgctaantcc 300

ccgatatggg ttacccctnt cncccaatga ggtgaatggt gttntntctt cattcaccaa 360

atctaggtgg cctganagcg ttggtctaag aatgagtttg aggctnagct gggtaattta 420

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catatttcac cctgacttat catgtggaaa ctgtcatttc tgtgtcatcc tgggcttgtg 240

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gcataaagta cctttcctgg gccttagaaa cactatcct 339

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atattaaagg ttgaatttgt agtattgcaa ttatattgtt attcacttga cctggatttc 180

ttgttttttt taagttgata aagttagaat atagctagtt catctctgac ctccagacta 240

caagtgagtg cgctctcggg tgagcatgtg gtgagtaact ataatgcagg tggctcctac 300

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taacctgtgg gttgtgaacc tatttgggct gcgctcttca gtttcagatg gctcagtcgg 180

taaagaaaga aaagaaagcc aggcgtcttg tggtacacag gtagtcccag tgaacaacct 240

ttccacagag gttacctaag accattgaaa aacacaggtt tttacattat gattcataat 300

agtagcaaaa ttacagttat gaagtagcag tgaaaataat tttntgncng nggnntcatc 360

acaacatgan gnactatatt naaggntnnc agcantnaga agagtgagaa ccaatnccct 420

agagggaaca ccctagtcca cagagtgatt gttttctntt ccttgtctag cntccccanc 480

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aagagcacac actggttctg actccctaga gagctggtat cttgcaagag aatctgcagg 180

ttggaaatag cccgtatctg gattttacct ctctgacggg ctcacttgag aagtgggctg 240

tctggaagga ctgcctaggt gtcagggcct tccttctttc tgcccttcct cctccctnnc 300

ncagtttcca ttccttggag aagtcagaga ctgtgagcat tgagcagcct ttacctcaga 360

acccctggat accccagccc ctcagaggga cccccgcacg ttaataaaga ctgggccaca 420

gccccctgtc tctccttgct gtggtaagcg tcttgtcctg tgnccgatta gcagtgttgg 480

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gaggcaaaga cagcaagtct ggcacagaca gcagtgaaga ataagggacc ccatttcaag 180

ctctgacctg cacatgtgtt ctgtggnacc tntngancca tattcacnac acgaacactn 240

atgtatacat catacacana ctncantnag aagagatgat gttgctagca ttaagnataa 300

agtgtanaca gttcatagat gtngtctcna gacattagnn tacacagtnn ttttantaaa 360

agaaatttga antcntccaa ggancaaatg tgtttnacag aaananatag aagcataaaa 420

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ggtggaacca ggaaggagga ccaacaacag ttctggacac agagctgggg ctggagcagg 180

agagtaccnc ctactgctgc atggttagag tccagcactg gcactgcaac agcctnttgt 240

ctacagagac ctctgcgtcg acagggtcct ggctcctntg cttntgtgag aaaggcccca 300

ttgantnttg agcttcaggg aaggaccctt gagcctggct cttcctntta tctnccaata 360

aggtttgtta tgagttgttn ctggtatntc aggcctgtaa ttatagctat ttgagaaact 420

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tatatccctg ggctgccgta gcaggccatc ccccacctca gtctcatcca ctgtccactn 180

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actaangcca cccagcttta tgcatctacg tgtagtgcta tgacaactgt taaggtttga 360

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caccaccctg gaagatggtg gaagtcatga tgtttctcta ctcaacttga ttcataccac 180

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gcatgtgtgt gtgtgtgtgt gtacatgagt gcgtgcattg gacttttttt ttttttcctg 120

cactgacttt aaaattgcaa atgatttgga tgcacatcca aagnagagcc ccctanttnt 180

agaggaactg cnatttanca nacaggttnc tggaagaatt gtaagaatcc caggntgtgg 240

tttntgctcc aggccaaggt caatgtngtt tcaattgtcc agctcctgag aanaccttta 300

caaacacaat cttaagcaca tgggattttg ggtctttgtg ttgtaatgaa aancanggtt 360

tttttccttc ctactgacat tagaaattat tttcaccttt taagatgtct tcttaaggaa 420

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tgcaactctt ttgtctctta ggggacaaat ttgggccctt tggactcttg gcaaggccta 180

tcagtgagtt agtatgtgtt gagatcaggc ctgccttgag ccacgatacc acaagaccca 240

aaagacccca tccgctctat ctaattgggt agctcantag aaggggaaac tgaggcagnc 300

aggcaggata acttcatgag cttcattcac agacagtgga gccattcaga ggcaaacaaa 360

gagcnagagg acatcttctt ngccttgcca gggctgtgct catntctgtc tgtggcctgt 420

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cgtgccagga ccaggaagga aagccgtttc ctctatgagg ct 522

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agaggtggag acagaagcct ccaaagtgaa aggtcgggct gganagatgg ctcagcagtt 180

aagagcacta gctgctcttc cagaggtcct gaattcaatt cccagcaacc acatggtagc 240

tcacaaccat ccgtaatgag atctgatgcc ctcttcaggt gtcttctaaa gacagctaca 300

gtgtactgtc atatacatac ataagtcttt aaaaataaat tcaagatcat ccgtggctta 360

acagcaagat ccactgcatc tcaacaacag catacaaacc tggctaatgg ggactggctt 420

tgaaggaagc aggggtgact cccctggagt gacagaaccc aaaggcttga gcagcatgaa 480

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g 541

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gagatcagaa gagggtgtca cagccccggg agctggcagt ggtgagccac ctgacatgag 180

ttctggaaac tgaggtcttg ccctccccca aagcagtgga cactcttaac tgacttaatg 240

tcatcattag aagctgtttg tgttctttaa ggataaacaa cttgcctcag attgggcatt 300

agtctgttag gtacaggagt tcttgcaatg agcattttaa aattaatgta tttgataatc 360

acaatcaagt ttatttgagt ttaaaaaaaa atagtcatgg catgcaaata ctgctgagga 420

acaaatttaa caaggctctt ttttttttct tccagtgtgg cctctatggt aaaaaatagt 480

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ttttgagaca gggtttcctt tttatactct tggctgtcct ggaactcgct ttgtacagcc 180

ttgggagttc tggaactctt tctttagaaa aactttctct ttcaggctgg cctagaactc 240

atagagatct cacccacttc tgcctcccgg ntnctgngnt taaagncntn anccactaca 300

ncntgntntn nnttctgatn antcattctt ttttttaaga tttatttntn attnatncat 360

atatanannt atgtaccaca tatntgcagg aacttacaga gancaaggac acaagtntca 420

tggaactaga atttcaggtg gttntgaggc nccngacata ggagctaaga actgatatgt 480

gacttcttgg ccactaaacc atacttcacc attcttaca 519

<210> 3540
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gaaaagcaga aatacaaaca aggttttgcc tttacttgct tttctcttta atgtataagt 120

ttaagtacct gattgagatt atataccgca tgcatgcagg agcctgcaga gacaagagga 180

cattgggggc cagaggagtt gcagggagtt gtgagctgcc tggtgtgggt gctgagaacc 240

aaagactggg tcatccccaa gagccgtaag cgctctcaat cactgagcca gctttctagc 300

cccaagaacg atttt 315

<210> 3541
<211> 273

<212> DNA
<213> Mus musculus

<400> 3541
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ctcagcccat tcattcatgg aaagtagggg acaagtgcat ggccgtgtgg agtgaagacg 120

gacagtaagt gtagagccac cctctaactg tactgagtta ataagataca atggtaagat 180

gctactgctc agcttgtact actcctatcg tgatctgtgt aggtgaggtg gtttatgaaa 240

cgaggctaat tcttgggtgg ttgccattaa cac 273

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ccctccctta tctcaggtct ctgtcttgtt cgggagatgc ccctcaacct cgtcatacct 180

atcagttgca cgtttacatt aattttcatg gtcatctagc tatctctcct cttggttttt 240

cagaaaccca tatatgtgag gtgaaattgt agtcacctgt gctttaagat gcaattatta 300

aagctgatgg tttngcatcc ccactcntng acggtgctga ggaccctgaa ccctgatttc 360

acngactatt tacccaacct gnatctagga tgttctaatg gcaacattng gatatttaca 420

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tttacacaga ccttccttaa t 501

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ttataatacc caaatttatn aagacagaaa gtaaaatgtt ctttgccaga aattggtagg 120

aagagaaaag tggttgtttc atgagtattg attttcacag ctttggattt tcaagataaa 180

aggagctctn cagctttgct gcacaatttg aatgtattta gccttattaa accttgcact 240

taaaacagtt aatataaact ggatgtggta gttcaccagt gactaaaacc tagaatcaga 300

tgcaggaaaa tcaggaattc ccgggcatct tcaactacat agg 343

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<212> DNA
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cctgtctcaa aaacaacanc agcagcaaca acaacaaaac cangtttctg ttggtcatgg 120

tggggcatga ctataatccc aaaactcngg aagccagtga aagtggggag attgagaatt 180

caagcccacc agtgctacaa agtgagaccc tatctcnaaa aaacaattaa tcaataaaca 240

aacacacaat gtgccttcat gtttaatcct ctcttcaaga cacaactgtg taatt 295

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<212> DNA
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<223> n is a, c, g, or t

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ctatgggggt ataggtatct tcatattaga tatgggtaca agaagcccca ctgtggggct 180

taaataccat ctatgccctc ccattcaact gccnantnnt ctataaaagc tntttgtttg 240

atattcctga nntncatgtc atattctggg gagnatcatt ggaacttnat ccctcnatag 300

gaagaacatt ttttttctn tattagacat tcaatttttg ttcttaacat cnggatgtgc 360

attcagtgac cctttgacaa aaagtggagc aggctgttga gatttcttgg tgtgctggtg 420

tatt 424

<210> 3546
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<212> DNA
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catgtcaggg tacttccaaa tgagcactcc tatagtgggt tgggaccaca tccctttcct 120

ctctttgcaa ctagcctcac ctcagcatga tctctggact ctgaggtatg cctctaagaa 180

gcactctgaa ggtcacctgt cctctccact cttgtcatca gtgacctcta gtatgtcctt 240

tcagctactt taatgttcaa aactatctgt cagttgtcct attttat 287

<210> 3547
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<212> DNA
<213> Mus musculus

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gntacattgt cctctaccac aggccgggct gtttccactg cccgcctttt ntacagcggt 120

gtgctgtgcc cctgaatggt gggacaaatc agtgccttcc ctctcatctg ttgtttagaa 180

aaaagtcaac caatacagaa gcagagacct gtctgtccct gaatctaaaa atagccatgg 240

attttatcac tgaaagcccc atcatatgtc agatgtcagg agcccatctc ccttcagtca 300

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cgctcaagca accatgtttt g 381

<210> 3548
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<212> DNA
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gtgtgctcag aagtgttnaa aaaaaatctt cttaacanga ttcccacgac agagccattc 180

ctaatgtgtt gactctgtgc tagttgtggg nctntngcat ttcccaaaga cacccagant 240

cattttcaaa gctgtnttca acactggtta cctttggant gaaagcattt tatcancctg 300

tatctgngta agnatttgtg gntccagtgt tttggagggg tctttacatg agtgttttct 360

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<223> n is a, c, g, or t

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ttgtctttgt agctatggct gttctggaac ttgttctgga gaccaggctg gcctgaaact 180

cacagagctg cctctgtctc ctgagtgttg gggttaaagg tgtggatcac cactgtcngg 240

cagggtttgt gttattaaca ggtttggttt ctgcttgtga actcctacan tttagaagaa 300

gatatnctaa gatcnnaaaa caaaaacata cntgttaatt actcanatct ttggtgtgtt 360

aagtcagaat tc 372

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cctgtgtact gcatcttgga tatcaccaaa ataggcaaca tctgtgtgtc tttttcctct 120

tttgtagact aggtataaaa atgcaggctg aggggtgggg tggggctggg agacgcctca 180

gtcagtaaag tgcttgctat ggcaagaagg aagacctgag ttcaatcccc tgagccacac 240

aaaaagtgag gtatcatgct tcatgttggc attcccaaag ctggggagtg ggagacagct 300

cccaggaact cactggtcan tcagcgtgtn ttgntcatng atccccagat taaatggaga 360

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gaccaacatt tggnactact aattaaattt aaatgtttta gacattcatt tctaaaaata 180

gatgatgctc ttctggcatc aagtgtttct ctgtctcttc ctaaaattca aatagccagt 240

gacaaaatgt agggaggggc tggagagatg gctcaggaga gcctggggct taatgttggg 300

ttccctgcac ccacagcagg cagctccagg agaactgatg ccctctgctg acctcttcag 360

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cattttgaga ggtggaccct ggttcattcc aagttatacc ataccaagtt ataccacccc 180

atcactgtga gcctctagca aacccaaaac ccttcagctt ctctgtgcca gcttggtgaa 240

gcagctgtct gtggtcttat ttagtccctc ctgttatcgc tggggatatg gaggggaaac 300

canaaacatg tcacagcttg tttacagcaa gcctaagaaa aggtaaaagt gcaagtttaa 360

aaaaaaaaat gtatcatcag ctcctaagaa t 391

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acaggccctn ntgncctcgg tcttatntta aaggatgtta tcttgnnagg ncatcacttn 180

taattaatgg atgatanttg taattgacta aagtcctcgn tntganccgt ttgttntggn 240

tccgagagcn ctnacatgtg aancatngtg agcagcgagg gaactgacag gatgtgnccg 300

tggccagtgt ggctttagtg tttgcatcag ncagccacca gctccatccg tgttcttact 360

gctttacaaa gtttgactaa ntttacacat tttaaaaatg ctgattgtct tcgtttaaat 420

tata 424

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tcaagaattg ggcactgtaa tcatgtcgag gacacatgac tcgcaaatna agcaaggcag 180

aagttgccct tcaggttctg ctgactgctg agacacagga ggagctgggg tttccactgt 240

tgaatcttcc atgactaatg gtaccatata tttgctgtta aagatgcagc ttaagggtct 300

cccagatagc tgaggagata aatgcactga ccatcaagct tgatgacctg accgtgaacc 360

taacggtgga aggatggaac cacactctgg aanttcctat ctggccttca tacgcatgct 420

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tataagattt aanctcactg gagtccaaag gcagagacaa tntgaacatg cgtgtgttaa 180

ttttccttct acactgaagc anatattgtc atgnttttna tantccnatg gccttttcat 240

tntggcagat caattantca aatacaatta nttnnatata natgccaata caattattaa 300

ataccctttc ctttcaggta agcatttaca atacttttca atacttgaga aaanaaaatt 360

cacccacatt ccttgctccc aagccctntg acctactact acctgatccg aaggtctct 419

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gactagcttt aggtaccatg ttgctgaaaa gacaaaactt tgcttcccaa tctgccgctg 180

accatgacac ccaaggngag cagatgtcag gaacactgtg ttagnntctc tctctctctc 240

tctctctctc tctctctctc tctctctctc tctctctgcc ctgtgtgggg ttgctcacaa 300

aggaatcttt gcntcnnana annnncnnnc nnnnacctcc ngtngctgac ccccacaaag 360

agaggggggag aantntanta naccnntcct nnnnnnggaa atgcaattgc agaatccttt 420

gagccccaag cctccttttt cactgggagg a 451

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aaaccccaat ctctgccttg atgttgtttt catactgttt tctttttcg ttctttttt 180

tttttaagat ttattattta tttacttacn gtatgtaagt acactgtagc tgtcttcaga 240

cacaccagaa gaggacattc gatcccatta cagatggttg taagctacca tgtggtngct 300

nggatttgaa ctcaggacct ntggaagagc antcagtgct ctnancccgt cganccatct 360

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tttaagttgg gtattgagac ctccagcttt gtgccttttt ggaaagttat tttgtgcgat 180

ccaggtcttc tcatttccac atgaattctn tcgtccgtnt tccactntct ttcctctccc 240

tntccctctn tntgccttnt nacanaccac anacacacct anctaggacc ttggcanntn 300

tggactgnac cttctgagtt agctggggga caattggctc tatgnacatt gatctaagta 360

tgcatttatt tagcatatnt tntcatttct ctcgggaatg ttttataatt ttcantcttt 420

caaatgtttt atcagattgg tccttatg 448

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ccccacccct agangnagca gcngagctnt cagaaagnnt caggctttgt gactccntta 180

ttcacaggtg ccttcagctg cactgtggna nccagcttca cnccctagtc actccancct 240

tngctttctt agtaactctc taaatcttct tgggnaaatt gtgtaagaca aactgactaa 300

atcctcaaaa 310

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<212> DNA
<213> Mus musculus

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ggaatttgag gctatcctgg ctatacacag agaccctatc taaaaactaa tttattaggt 120

ctagtatctc acacctctaa tcgaagcact gcagaga 157

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attcctgtta gatgtggttg aattgaggga agagaacatt tgaccccatc ccnttantca 180

ttttngnagt tggtttnatt nattggccct gttattnant tctgtttgct ggatattttc 240

tgcccacctg tgataaggtc cagacaagtt cacgcccacc ncttnccttg gtgacttagg 300

ctgtggtcca nccccagaca gcagcatctg gaccccagtg tacncgagcg atgctaggaa 360

ctgctactgc tttacaaata cctgggcgcg cgcgcatgcc cagagttagc tcgcgtttct 420

gatggcaaaa 430

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<212> DNA
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cctccaacag aatagacaga gagaaactct gtgctggggc ttcatacgct gaggagaacg 180

agtgcttctt tgaacttgaa gtagtgatcc tccccaatga ctttttcagg ctgatcaaaa 240

tcaagatcat tgtcaaggat accaatgata atgcccccat gtttccgtct cctgtcatca 300

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tagaacttga agccttgggc tcagtcagaa gatgggatgg agagaccaga gtctgcgctg 180

gcttcttggc caatggggcc tgtgctggag tgtcactctg caggtggcac ccagttagga 240

ggctatcaga tagttatcaa tccccatgcc tacacttggg ctacctcctt aatgttgcac 300

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cccacctagt catcacaggg ctccactgaa catggtngga aggcttnnat ctngtgcttc 120

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cccacctagt catcacaggg ctccactgaa catggtngga aggcttnnat ctngtgcttc 120

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cctccatgca tggctttgct gctgtgggct ctcctgctct tcactattta ttaagtacac 240

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tctggtctct aggtccccag tctaggtgtt nagcccttgg gtacaccagg gtcagtatga 180

cntgggagnc annatccntn tctgtaaagc ctgtataggn agtgggtggg agctncancc 240

agcatggaga tggcactgnc tgtttgcaca gctaagttaa ccccctttag ctttttatta 300

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aaacctactt tcaaaaatct gagagtctta tacaggccat atatacacaa gggttacata 240

tattcagcgc agaactaggc caccaaagtg cacaggtgtc ttagaagtga gcagcgatct 300

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cactttctcc actttcccat agcccgtaag ccatcctaat gaactgaaaa aaaggatcag 120

taatacaacg aggataccga tcgctgcgag tatgtttacc caaatggatt ttccagtaat 180

tcttttaacc aggttgctca tgcttactta ttaattaagg acttcatcta tcaatgcaga 240

ataaaaatct ttcaggttcc atcccatgat cttcacctgt tgaggaatga tgctggcttc 300

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aataaaatcg atgcgtacca caccgcg 387

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agagatgaca acggggctct ccccaagccg tttgccagta ttttctttcc agatacgttt 180

ttaaacttgg tagcagccgt taatgtcttc ttagctgaga atttcgcccc acgcttgtac 240

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aaccgcgttt gctgccaag 319

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ganggcccgg ctgngtgagc cccttcctcc agtctcgntt gggagaagga aaaggaantg 180

gcggacctct ggagagaagg cttagcactc cacaaactca aaagactcca gagtgggtgt 240

tttgcctgta tacaaataat tttctggggg atgaagctaa gagagctcac ttcttatttg 300

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ngantgcttt gcggaagagg aggggctgtc accagagttc cctccagagt gcngnctgct 180

cttnccttgg ntctctttag ttggnnacgg cttggttcat canacactgg cnacnantcc 240

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ctctgct 307

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<212> DNA
<213> Mus musculus

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gggagccgga tagattgctc agtggttatg cacacttaaa gctcctgcaa aggacccagt 120

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cacctgactt cctctgacac taggcacaca 210

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<212> DNA
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ttttaaaaaa taagcctcat ttttatttct cctgttttca gtatggaaat aatatgtttg 120

tagataaagg agaatggaaa tgagcttcaa gctttgacct ttggtcctcc tgcctcggcc 180

tcctccaagt gctggggtta caggtgtgtt ccaccatgcc tgctctccag gggcccttaa 240

cacaaatata ccaccatgca ttctcttctg gtcccaaagt tgaa 284

<210> 3576
<211> 47
<212> DNA
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<210> 3577
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tgccatgctc tggncngagc ngnngnnntc ntgggggggg ggggagtggg atgtgaganc 180

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atagantcac tcaggatttc ctgctgagga tacagtcag 159

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tcntgtgcgg ggcccgacgg cggcagcggc ggcggcaang acgcggaggc gggacaggaa 180

gcgggcgcgg ccccccaggc ccggctgtgc ccntgcgtgt tcggggtgac ccagcacgac 240

c 241

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gacnnatnac actgangcag attagnagct agtatcaccc attgggattg gcaatgcctt 180

caaaggctcc tagtcaaatg atccnaacct ttaacntcgt ttctgatggt acccaagttc 240

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gggctagaca attntgaagt tcannnnnga gattccncag gngnatggag agacnagaag 120

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tgntctntcg ctgttaaatg ttgcttccct gaagtgatgc tttcatntct ggcatttgtg 120

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anncnnnnnt ncttnncnna nnnnntnnnn nnnnnannnn nnncnnnncn nncnngtnca 120

gnccagggng gtaccttgaa anttataccc nccannngaa cagcatgcac cacgcgttcc 180

caatntgtag acggacttat ntccccacnc ctctctgtga caatgggcta aaac 234

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tcaaaggcct gcatcactac nancnggcta anctgttatt ttcnntttg atgttcataa 120

ttngacntnt caaatgagta ntcttagaga gttnttttnt gcaagttgga gantcatgtt 180

ttctaaatat tcataaaaga gaaacataat gttgcttctt 220

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tanacttgat ggtaaccnga atttatttct tntnttttna gctatatcna ntcattntat 120

tatagttact tnatatgtaa atatatttct gtacatgtgg ctttatttaa 170

<210> 3586
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<400> 3586
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<210> 3587
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ttaagagatg gaagnagacc tgcaagtcag ggactctggt agctcacagc cnatgaactg 120

ctttnccatg tttttatttc ctagtnccat atacaaacta gtggcccaag agctatgg 178

<210> 3588
<211> 69
<212> DNA
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<400> 3588
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ttgagcaac 69

<210> 3589
<211> 39
<212> DNA
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<400> 3589
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<210> 3590
<211> 94
<212> DNA
<213> Mus musculus

<400> 3590
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gatggaagca gacagatgtc cgtaagttcc agga 94

<210> 3591
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tttattagtg ttattataag tcaagcttcc aaagtggaag tcctgagaaa agtcaggctg 120

agatgacttg gaagaaagac caagagctag ctttagttgt tggatgggct ctggacctta 180

aataagatga cttatcccac aatttctttc atgtttaaaa agatttttat cctctccaca 240

catagtttgt tttgttgatc cgcctccgta ctgatttctt tcatcttcaa tgttagtttg 300

ctccatgacc caaagacttg cctgcattct nntactgnna ncaacaccan taagattatt 360

tttnaaaacc ataccttca tttgatagt 389

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<212> DNA
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atgtgaccta ttgtttcagg tcgctttggt ttctcccttc accgggttnt agtggcccgg 120

tttgcaagtg cagaatggtg aggnggctcc ctaaagcagc ctcgaccatc cacagacagc 180

ctcacgtttt tctcctactt tttccttatg cttttaaatg gcagac 226

<210> 3593
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tttgatgaaa gaaatgcnac ttggntacca ccctcanccc cancatanag ggcatannag 120

ctgtaatcct ngcatggacc tctgtgggtg atggctgaag ggccagaant tggacancct 180

gtgtcttgga gctagtttca aggctagagc ctgggacaaa gagactntca agcatcaatc 240

aaacaaacaa aggtcatatg ttaggtnccg tgttcctgta atcccagcac cccaagcagg 300

aaataacaaa tttgaggtca gtttgagcta tatgtggtaa aaccttggct ctgaaaatga 360

aactgtaaaa agaaactgaa gacaaacatt taaaatggtg ctggagagat gactcagttg 420

ataaaacacg tgctatgtaa gcaggaagac ccaaattcag atccccagct cctactggac 480

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<212> DNA
<213> Mus musculus

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gactgcttgc actgtgcact gaggtctggg gcaggggcag gttttcgttt tctaggtgtc 120

cactgtggat attggagtat atttatattc cttatggaga tgggggtggg aggaatctgt 180

gagatctgtg ttttcatttg catttttttct cagtaggaca ggggcgtgga caaatggacc 240

cgagggctcc tttctgcacc agctttttttt tctactgctg atgccatccg ttagtgtgtc 300

atatcttaca gaaacgcctc tctggctggg tggtgcagcc tgtgctatgg agtaagttc 359

<210> 3595
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tgaggtgttc agcagcaagg agacggcagg ccccacctgt accccacctt gtgctctggc 120

tgcaaacagg agccattgtc tgtttaccct gttcctgact ctcttcctcc cctgagctag 180

tggtgagaaa tcacttgggc ttctgtctcc ctgcagactc tcccatggtt gctgtttcct 240

gttctgtttt gttttgtttt ttaagatcca ttttgtattc tgtggcaann ttgatctagt 300

tgcttgccag gnacttttttt tcaaacacac tagcagggct gagagtgggg ctcagtggac 360

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ctgtggtggt acacatctgt gtgattctag cacctggcag gca 463

<210> 3596
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tgcttatcac aggttagatc ttagagctga tgtagaatgg aaaacctggg agggaaattt 120

atgttcttca tattaaatat atcataatgt ttcgttgaaa cctaagtttg cagtgcacag 180

gagactttag ttacttcttc agaatttatt agcacaacag gcatatggaa aactgtaaaa 240

tgattccatt tcaaancaaa ttatgataaa cagaagaaat agggatgaat tgtactaaat 300

acaatgtttt catacacatt ttaaattaaa ctttaatagc catatgctat aaaacaatac 360

atgcatttat gttgctttaa aatttttgtg aatattttta caatgatgat tctcacaaat 420

ctttactttg gaacctaaaa acatctcgtt ttatgacctg atactgaaag agctccagtt 480

acatgggtga aa 492

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ctgactgtgg agaagaaatc attgtgattt ttgaacacac ataattatgg tttaaaaaca 180

aactaacctg aatttgtttg aatatagttt ttcaactttc tctgatacta ataaactcat 240

cagccagttg gaaattgctt tccagaaaaa attctcattg cttatatgtt catatatttg 300

tacatgtata aaagatttca aaaacttgga ataagnnnnn accattctta ataaggatat 360

taatggatat ttaaagtgcc tgtcttttca gtgtttggaa atttatttag tgtttnttca 420

gggcgtatca aatcaataaa atgtccatgt ctgtgatgac taggaanann nnnnnnnann 480

ntctttctct tgctgcataa cctgtcttat tcagaacta 519

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cctgaggctg caagtttaca caggctagta gtcccgaagg tgccttttt caatggatgg 120

gggccacagc tagtttttag gtgcctgtgg tcagtattgc tgcataggac accagaatgg 180

ctaagggaaa ccnagccaga tgtgactcag aaaaaataaa cactctcacc tcccagaagc 240

tctggtttgg acacacattc aacaggtaca cttctttgtg gccattcatc attttcaggt 300

aaaggggtt tatagtaaac tctagcacag tctagtaggg caagaaactg cagtgagccc 360

cagggtctgt gctttaggga gacaggataa taggggtctg tagcttgagc tcaatgtata 420

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<212> DNA
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<223> n is a, c, g, or t

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tgcggccata cccagtcatn tgactacncc tcacaatcta aagccgggtc tgaggtagct 120

gatgttactc ctgtggtttg agctgggaac gactcacgga taaaaatata tagtgtgtaa 180

ctagtagaac taggaaacac caaggcaaga catttggcaa gtttaataaa aactattctt 240

tggttgttgt atatttttt aaaacttgta ttttgctgca ttgtttggtt tgaaacatat 300

cacctgtgta agccatatct tgaatgaact taaatgttcg ccataactat ttgaaagtta 360

atatatatgg ttaaatttct tgctgatacc aaaagagatc atttggagat aaaaacaacc 420

tttgcttgta attaaagttg ctgctgcttc tgtatgtgta ctccctcctc cccgcccccc 480

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tgctccctac acattagagt tttttaaaan aaaaagaaaa aaaggaagag gaaatgaaag 120

ggaaagggaa tttgtcaaga aagcacatga ctttgaaaga tggggagatt tacattgttg 180

ttgttgttaa tgtaactagt acattaacca cattaatatt cactttagta actttaagaa 240

cagccttaag ctgacttgtg ctagcaaagg accatgaagc tttcattcag tcctggccgt 300

accagtaaca aatagtgtca ttttgtntac cagtgancct tttgggntca ttggaaccnt 360

ttnccaaacc aggaggncct cgactctaac ttanccccan tttaagatgg ctaatttggg 420

cttcctgatg atagacttgg gttccaaggg tgtttgtgga ttccctgt 468

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtcagaatga agtacgaaag gcagcngtgc cccgtgctgg tgatgatcag ttnttccaac 120

tgtattccct ctgcctccac cttccagatc ctcccagagt cctgatggag gctgagcagg 180

tttctgctta gaagtcttcc tcgggatggg catcccagga ttctgctaaa gtgcctactg 240

caaagcaatg gcaccaaggg aggggtgtga ctcagtggta gaacacttgc ccagtaggta 300

caaagccctc actttggtcc ccagcaccag gtcaaaaaga agaaagaaag aaaacattag 360

taactcagaa aagtcngnca ccccttggga agtactactg agataagaat cacatcactg 420

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<210> 3602
<211> 382
<212> DNA
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<223> n is a, c, g, or t

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gggggaccct gctccccccac agcactatca gatatagact ccgacacgct ctctcaggga 120

aactttgagg ttggatttcg gtctcagaag tcaataaaag tcacgcgaga gcancaacca 180

gaggccgaag tgggtgggca gccaggtcca agccaggact caaccagcca tgcctcggac 240

acagtggccc ggctagctag atctgaggac ggtggcccag ctgggtctcc aggggcatct 300

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gccgatgtct acaactacgt ga 382

<210> 3603
<211> 554
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaggccaacc cagtcaacag agttccaaac cacttagggc catacagttc tttgagggga 120

ctagaccagt tcccagcacc catgctggat ggttcacagt tgcttttagc tccagctcct 180

ccaaggacct cagggtgcct gcactcactg cacaggcaca agcattaanc ataattaaaa 240

ataaaaccta ggggtgggga gatggcactg agtgtacagt ctttcccctt gcaaagacan 300

ggaatcagta gctcagttct cagcatccgt ggtgggtggg tcagggtttc ctaactttag 360

cgccctcttc tggattctnc aggcaccggc aaacctgaag tggttaaata cagttaatag 420

gagtagggct gggtgtttta tttttnnnnn nttattttcc ccctgcctgt gaggtatagg 480

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gatccatcca tcag 554

<210> 3604
<211> 338
<212> DNA
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<223> n is a, c, g, or t

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taagggtttg ccgtgatcct ccaggctagc tggctcatga gcttcctata gtctcagcac 120

agggatgctg gcaccagggt tcacacccta cctggctttt cacttttaaa acatgggtcc 180

cagggcttaa acggacttct tcaggcttat gcagcatctt tacccacagg gctaagctca 240

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gagggaccct gtccctggct tgggaagtct tttctgga 338

<210> 3605
<211> 408
<212> DNA
<213> Mus musculus

<400> 3605
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ctcctggcag cagcatgggg cttctgggac accacctctc ccttaggagg gcgtgctttc 120

cctaaggaag gaagctgggc tgaagagggg ttggtgtctg ctcaccctca cagcacatcg 180

gctgagcatc ggctgtgctg gcctctggaa ggggtaggtc cacaaccgca ctgtgctgaa 240

ctcataggga tctctcaagt gcttgacagt gagtattcac accgctttag tctgatgagg 300

agaacagggc aagagatatc catggttctg tggtcctgaa ccataggaaa atgtcgcttt 360

ccaacgtgct cactaaaatg ggagcactat taggctaggg tgtacctc 408

<210> 3606
<211> 525
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (496)..(496)
<223> n is a, c, g, or t

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aaacttacct gtaagcccaa cactgaggaa gcagaagcaa gatcagaagt tccagatcag 120

attgtattac atgagacact cnaaatgaga cgaaataagc aaaacactac cactaacaac 180

aacagaaaca acctatgacc taggtctgaa tgttggtttt tcttttggct tagaacaccc 240

tatgaagacc aggctagcct cactggagat ccacctgcct ctgtctcttg ggtattggga 300

ttaaaaggaa gcccatctta cccancctct ctggacattt tcatatacag tattttggtn 360

aacttttttc cattcnnagg gntaagttgt ttacagtata attgttaaaa tttaacattt 420

ggtatatatt gctaaatagc tgctcctgat agttctntca tttgagactt cccagcaggt 480

ctgtgatcct tgacancctt ggccatcaca tgtggcattt ccaac 525

<210> 3607
<211> 425
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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accctaagaa acttctcctc gcttggggag aggaggcaca gtgcggagcg acgtgggctt 120

caggcgaagt tggagctgct gagcttcggg gcggcgttcg aggccccctc ccacttgcgc 180

gctgagcgca gctagcggcg tcgggcgagg agcaagcggc ggtcctttcc gcgagggtcg 240

gctgcccgac tgagggcagc cgggaaggcc gcggcccngn nnnnannccc ctctaccctg 300

cacgcggcca cccgctttgc gtccagagaa ggaggtaacg taagctgcca ggcgggttcg 360

taggccgatc gtcaccccca aaagtcctcc tgagtctccg gggttcgctt ctatatcccc 420

ggagt 425

<210> 3608
<211> 251
<212> DNA
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<223> n is a, c, g, or t

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gacggaaggt tccttcacgt gtctgcccca gctaaacacc atccaaccga ctttccaaag 120

aacccttaag tttccacttt ggtcctcaga ggtgntcccc attcacctaa ctatccattt 180

tacttctgta aaagtccacc gatgctggag agctggctca gaagttaaga acacttactg 240

caggttgcag a 251

<210> 3609
<211> 230
<212> DNA
<213> Mus musculus

<400> 3609
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gcattgtctg gtctatggcc cctgacacat atgtagcaga ggactgcctt gttggcctca 120

gtggaatagg atgtgcctat tcctgtagag acctggtgcc ccagcgaagg atgacgctga 180

gggggcagtg aggtggaggt ggatgtgtgt agcagcaccc tttcagaggc 230

<210> 3610
<211> 365
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccaccccggt cgttcacctc ccatgatgcc tggcgtgngt gaggccgctg tgtactaggc 120

tggctatctg tctgtccatc catctacctg gggtcaggct gatggccgag gctgtgagtg 180

cctggccccc atggatgttc cccgtgctcg ctccctcacc cctcactggg gatgtgagag 240

ccctcatcag atacccaaag tgtcactcac ttccagatgt gctgtgcaag gagggccggg 300

gcgtgggtgt ggagcgccca gaggcttagg tgcgccatcc attcgactgt tgtcagctgt 360

cactg 365

<210> 3611
<211> 444
<212> DNA
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<223> n is a, c, g, or t

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<222> (280)..(280)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (364)..(364)
<223> n is a, c, g, or t

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<222> (374)..(374)
<223> n is a, c, g, or t

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agatgttccc ttcaccccgg tggtcatggg agaacacttc ccagatcccc tccccatcct 120

cagggctntg ggctgtcctc ctgctgctgg aacagggtcc ttcccacagn cctctggagg 180

gagggattng gatctggtca tcagagcatc ctcagtaaac tctgctggct ttcaagccct 240

catacccttc tccccacctg gcttcctagt tgcttgaacn tgtgtcaaaa agaaacangg 300

aaaggaaagc cagcaaagaa gcttaacaga taaagcttga taacgtgagt ttaactccca 360

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acattcacac gcacgttaat aagt 444

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (390)..(390)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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aatgtaaata ccatattttc ttgttagata aagaaatgta aattactgta acctgagatg 120

ctgtcatttt taaaccttct ttatcaagga ataaattaaa acatttgcaa agatgtatat 180

tttaaatata acaatggaag atcagcaaaa gctatgggac ttctaattaa gcacagacaa 240

ttatgacttc ttgacctaag acaaccaaga ggtaaattta agttataatg attacaanag 300

aaaattnntn ttccatttng tcatntatnn atgtgagagt tcaacttttt tcattttctt 360

tcttctcctt nttnttcttc ttttgttttn atctganaca ttctttngta ggcaggttga 420

cctcaaaccc attgtgtaag ccaagaatga tgtcaacctt cttgtcctcc tgactctaac 480

ttcctgtttg gattacagga ttacagacat gcacaccacc cttggatttc ttctgtg 537

<210> 3613
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<212> DNA
<213> Mus musculus

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<222> (299)..(299)
<223> n is a, c, g, or t

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aaacacttag ttctgcttga cagagaaatc ttaatggcaa aacttctctt ctatgctcta 120

agttagccgt cctcagcttt agagattttc atcatctgac tacagccaga aaataggcac 180

acattaccag tctggcgagg aggaaatggg tatatcactt ggacccaaag ctcagcacca 240

gaagaaagag tttaggcaaa tatattctta ggcacaagag gcatttgtaa cacgatggnc 300

gcagttgttt atcaaagagt aagacctggg ttggggtggg ggagatgcaa ttatatataa 360

taattaatca ctttgataga gttctataaa gcagttcaat atcagaagcc agtttgggcc 420

ctggacatta gaaa 434

<210> 3614
<211> 403
<212> DNA
<213> Mus musculus

<400> 3614
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gaatgccagc attgttctac agagatctga acctgggctg gtgggcagct caacctggcc 120

gtcccttcac tactggagag aacatcctgc tagcctgctc tccctgaggc caacaggtca 180

ggggtggcct gaccaagcca tcgtgattgt cagtcttgga cctctgcatt gggctgtggc 240

catttgggca ccatagcctc ggctggcatg tggcgggaag gcaggctgct catttccagt 300

gagcctcttt ttctcccagg caattattct gacttccttc aagactttct gaagagttat 360

gtgttactca gtctttttaa agtggaaccc atgctcactc aaa 403

<210> 3615
<211> 377
<212> DNA
<213> Mus musculus

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<222> (96)..(96)
<223> n is a, c, g, or t

<220>
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<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<400> 3615
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ggtgctgtgg agaacagggt tggtaggaca cagggnatcc cagggctggc tggctggcca 120

tttagccaaa tcagtgaact cggattcagc gagagacctt gtcttaaaac ataaggagga 180

gggtaatgga ggaagaatcc tgtgtcaacc tgtggcctcc acacccaant gagttcacac 240

acnttgactg tacacatatg cacacataaa atacaaagta ctgtatgtgc taacattgta 300

tagacacata gccatccgtc ttgaagtcaa acctcagatt ttcagtcagg cctggttgct 360

caccctttaa tgccagc 377

<210> 3616
<211> 536
<212> DNA
<213> Mus musculus

<400> 3616
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acccccaact cctcccaaag gccttatccc tcctggtccc cactacttgg catctgttgg 120

ggcatcagac tacttggggt ggtctgctca cagccaaatg tctgggagga gagggtactg 180

gaattggaca caaagccagt cacctctgga agtcagtttc acatccctat tccgggttcc 240

cttggggtcc ggggctagcc cccagccaca gcccaaagct gcctgggaac tttgcaagag 300

tttcctcggc ggcgcccagg cccggagggg aagggagacc aggtccactt ggcttgcgca 360

gcgcggccct gcggggacgt ccccacgtgg gagatctgag atggggaccc ccgggaccgg 420

cgagccgcag catgccgccc acagaaccca cgaggccggg gcactgcaac ttcttccaag 480

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<210> 3617
<211> 229
<212> DNA
<213> Mus musculus

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cattggaaag cggcaaggca aaacacccat taccaagatg tagctaccaa aggactgaga 120

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actgaggact ctaagaggtc accagaaagt tatatatgag ctcctccat 229

<210> 3618
<211> 505
<212> DNA
<213> Mus musculus

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<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gnngcannnn accgntggta ggtcgagttc ttatcaccca ccctcgcact ggagttgtga 120

gagcaaaagc tgactttgaa aaggtggcgg tgggcctgag gcttgagaga ccggaatgtg 180

attgcggann ggnaggggca gaggggtcgt cctgctgagc cgcactaccg ctggagagac 240

gacgcggctc tggaagcgca agaaaccgaa tagtccagcc ggannntnnn tatatcgntc 300

ctgctgttct ccacctccgg ggatcaaact gcccacgtca gcttccggaa tcgaagggaa 360

gatagatgtg tgtgtgctac ccacctggca agccctaaag ttgagatgtg gaaacgtggg 420

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<210> 3619
<211> 368
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gccttgaaca cttaccctag tcagctgcca tcaacttatc cagaggtctc cctcataggc 120

ctggggagag atacctccca tgatgtgttt gtctgagata cattggagct ttatcttgtt 180

gctgggatac tagcttcatg tatactgctg agctgcagct gggctcccta aaagggaatc 240

tggaggtggt gttgtctgta gctgtaattc aggcacccca aggctcgctg acactgggat 300

cccatanctg aagacaccct tggggcatgt gtgctgctaa gtctttcctc atccctagac 360

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<210> 3620
<211> 476
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgatgctag tgtttccttt tgnacttnga atcactnnct aagctccacg gttctttcag 120

tcacaaacag ggtggatagc atggaaaagt agagactcat cagtgggtgg tggctgggca 180

catggaaggc tcagtaattc ctctctttgc caagcagggc tgtgtcttat ccatggttca 240

gaanccacag catgatccaa agcaggatgg gagctggtgg acagtggagc tnggcaggcg 300

atgcttcaga actaactgtt ggggaaacga catcgttttt taaaacaaaa agaaaattga 360

aanctacaga atattcagag gatnttacat gagtatcaga agtgctatca gcaagaaaag 420

agaagatctc tcacacacca gagagctaaa tttaagactt ggcaacatgg gctgga 476

<210> 3621
<211> 367
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<400> 3621
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aggacattcg agtgcgaaga taccatgatt gtgttctttt gaggtcatgt natgctngtc 120

cttgtaatga gaattccctc tctttgaagg tacccagcct agcctccagg cctcaacatt 180

tggcgtccta cagattctta atggcctatc ctatttaatg attccctctt tttgttctgg 240

gtggcagtga tatagatgtc cttttaaaaa tcaggctaca aagtttggcc caagaatcat 300

ctctaaaatc ccaggacctc agtaacaaaa aattctaagg gctatctgcc ccaaatagac 360

tactcta 367

<210> 3622
<211> 434
<212> DNA
<213> Mus musculus

<400> 3622
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cgggctgtgg gtacccgtag ccgcagcggc gccctgcgtc gtcttaagcc ccatgcaagt 120

gaacagtgag tgactgagga ccaaaccaag ggtctcaggg gattcaatca ggaacgttca 180

ttttgttctc acgtttgcaa ggatccgtgt ccttttttt tcttcttcga ctttgcccac 240

cttctggggc cctttgtaaa catcttgaat gaattgatga accaagccag atagctatgt 300

cttaggcact cttgtctgca taagaaaata gttgatttgc aggccgggcg gtagtggcac 360

actccctttt ttgccagctt gagtgaggca gaggccgagc atctcttgag tgccaggcag 420

acctagtcta caga 434

<210> 3623
<211> 494
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

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<222> (119)..(119)
<223> n is a, c, g, or t

<220>
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<222> (123)..(124)
<223> n is a, c, g, or t

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<222> (137)..(137)
<223> n is a, c, g, or t

<220>
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<222> (170)..(170)
<223> n is a, c, g, or t

<400> 3623
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cctntgattt natttattgt ttttatncag tgagacccnt ccccttttnt cctgagagnt 120

aanntggatt catgatntcc atcccacact taaggctgtt gacttttttn agaactgggg 180

ttggctgtcg tggatgtaga gagatcattg ctagtggact gccaatcttg tctggacagc 240

ttgctctgac atcctacagc agcacttctg tgcctggaag agattgaaga ctgaactgca 300

cagactctga gccatcttcc aaccatacat gggcagagag gacctcactg ctcctctata 360

gcaatgaaaa aacgaaaaaa aaaaaaaaaa caaaaaactc acagggacta agtttcaatg 420

gctggctgct aagtggtgat gagacaaggt cagaggctga ggaaaccctt ccatcttctt 480

ccagtggtga ctga 494

<210> 3624
<211> 551
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<400> 3624
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tgggaacatt aaatcttcat gtctggagga caagaaaact aaaagtttga aggcagcaat 120

gtgcccagtg ttcattttcc caatgttgac ggttgtgctg tggttttact gaagaatgcc 180

ccttgaaggg atgctgtgta accaaccagc cacctcgtgc ttctgccact gttgcttccc 240

cactgtgata gactgtgcac actcaaactg caagccaaaa taaaccccac cctccttagt 300

tgcttttccc aggaattttg tcacagcagt gctaacataa gccaagcttg gggttagggt 360

cattaaccct aagagggaaa aaaatgtctg ttcaaagaaa gagttataaa caaataatag 420

acattaanan annnnnnnna angtaatttg tgtctgtaaa gaataattct ttcctaaatc 480

tctgccttag cttccctgta tactacctgt atatgcatga gtactcagag ttcgttttga 540

ttgggcaatc c 551

<210> 3625
<211> 413
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (347)..(347)
<223> n is a, c, g, or t

<400> 3625
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caccagggct actctgggcc aggaggtctg acagcaggct cccacagagg acagaagttt 120

ggggagcctg cattcacccc tgacctctgt cagtacaagc cccaactcag gcaaggcaga 180

aaaggaactg tctcggggcc ttgctggact tccccccgct tgaggatttg gggttcctta 240

tctgtaacaa caggtatgtc ttgcccgatg gggacttttc caaacttcct gccctctgag 300

ggggtctagc acacaccagt gtctgcagag ggaggtctgt nccacangcg tggtggaggg 360

ggaaacctca caaacccact tctctaactt ctcccacccc ttgaaaacag agg 413

<210> 3626
<211> 497
<212> DNA
<213> Mus musculus

<400> 3626
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tgtttggaag acaggtattg ttctgcatca ggttccaagg ttccgggaat tacaggcatg 120

ggctacagtc ttggcttgct agttttgttt tgttttgctt tgctttgtgg tgtttttcgt 180

tttggtttgg ttttgtactg ctggggctca aacccaggtg ttctgctctg ccacagttat 240

gctgtcgtgg ctgctgttac tattattggc ctttcgtcct ttgatcctgg gctttatttt 300

taacttttat tacactttta aattagttta tttctgtgtg aagatcagag gacaacttgc 360

aggatttggc tctctcctgt gtggattcca ggtgtcaaac tcaagttctc ggtggcaagc 420

tactttatct gatgagccct gggtttgagt gtctgctctg ccttttcacc cggtgcaatc 480

cctgtgttcg gaggaga 497

<210> 3627
<211> 424
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<400> 3627
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gcttcggctg taggttaggc tcggcaggtg ggggcttgct gcagtatctg tggtccagtg 120

actgtctgga ggggcaacat cagtggaaac agctggcatt ccttggtgtc ctcttatgtt 180

cagaaaggta aacgccaacc gattacgagg cctctggttc agaacctaac accatcgttg 240

ccatcccatt ggctggagga agtcacatga ccggcccaag aggtgggggc cctggctcta 300

cctcttcctg ctctcaaccc accttctctt ccttacagtc ttgctcttaa ggaattcacg 360

tgctgtgtct tcttcacagc cccctccctc ttttctcctt tctctttcat tgcgttatcc 420

caga 424

<210> 3628
<211> 441
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<400> 3628
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tgcagattta aacaattcag tgataagggt gaatcatcaa aggcagtgcn atcttgttct 120

gactccatgt ggggatttta aaacaattct cagccctcta tacccagaac agtcatatct 180

accttggcaa tgcaattgag atttctgaca gatggaccat ggtccagatc actaaccaaa 240

ataatgtttc tacaaattta aactaaagca actgaagaag gtacaagtca aaagtgacca 300

tcgcattaca tgtaaaatag ttcctatgat ctgccagaaa cggatgcttc aaggttactc 360

tgaccttcgt ttaacttcga ggtaaattat gatcttagtg gttttgcctt tcaaaacatt 420

gtattcctga gctttggcaa c 441

<210> 3629
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<400> 3629

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gctcgggtaa gtgcaaacaa gatgcctttc tgtggaactg tcatgtcaga gctcagggca 120

caccagangc cccagcatgg tcaatccgcc taaggtttct cccactcctg atgagccact 180

ctcttcagac actcaacaga gagtactcgc tactaaatat actcctagct tcatttaagt 240

agtatttgtg tctttctgag acagtctcac tatatatata tagcccaggc tggccctcca 300

tccttggcgt tctcctccca cctcagcttc ccaagtgctg agatcacaga agtgggccat 360

catacatagc taacaagtat ttaagtaaca gattctaagc atactttctc cccctggcca 420

aagggtccta acatccaagg ccagtgactt tgttctgtga ctctcttgag aaacacagct 480

gctgaacccc aatagaccaa tgttt 505

<210> 3630
<211> 506
<212> DNA
<213> Mus musculus

<400> 3630
tcgtctggac tctgtgggaa cccgccctca tgaacactta cccacacata accacacaca 60

cacaatttta agataatcaa aataaacctt ttaaagcctt aacacacaaa tcactgtcat 120

aagagttagg agggagtaag gctcttcatc agcttgccct tggtgagccg gtttctactg 180

tatttaccaa ggacaatgtg attgagaatt tccacaccac agcagggtct ccgctgatta 240

aagcttccgt gatgtggggt ggttagaact acaggtccag agcccagtga cagtttctcc 300

aggtgatctc tagcctaaag agtaattcct tgcccacctc tagcatcctg ataaacaagt 360

tggaatgtgt tcacttaacg gaataattct tcgccaatca aagggctaaa tgtcacatag 420

catctgaggc ctctgcctga gtaacctgct tctctgatgt ttccacaaat gtatttttt 480

aagccttgat tcataccttt ctttgt 506

<210> 3631
<211> 435
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

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tgtgggtgct atagatcaaa tccaggtcct ctaagatagc agccattgtt cttaactgct 120

aaggcatctt tctagcacct gagaactaag ttgtgacttt aagatgggtg catgcaggtt 180

tggaaattcc agaaagaaga aatgggaaat tccacacgta aaggaggaga gcagaaaggt 240

agcgtggtgg atnttaccct tagtggtntt cggggttctc caaatctgta tgaggtggna 300

gtgtcagaaa ngggancatc anttcctaga ntgtgtactc ttggnaaatc tagcctttct 360

caggtttgac gtgggctagc ccttccttta gaaacctatg tagcatttct gtccttcaga 420

ggctcacagt ctgga 435

<210> 3632
<211> 327
<212> DNA
<213> Mus musculus

<220>
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<222> (48)..(48)
<223> n is a, c, g, or t

<220>
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<222> (65)..(65)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(242)
<223> n is a, c, g, or t

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acatncggct cagagggaga gtttcccccc cagatgctga ctcaacagtc agcgaggagt 120

ccagcgagag ggacgcggga gagaaggcgc cggctgctgc ccctgagaac aaggctctca 180

gagctccgca ngagtggngc ccccctgccc agttcaggca antgagcagc attcctcagc 240

nnccatcttt gagcacgtgg acagggtttc gaggacctca gaggccagcc gccgggtccc 300

cagtaagatc cagctgattg ccatgca 327

<210> 3633
<211> 484
<212> DNA
<213> Mus musculus

<400> 3633
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agatccaatc tcaggatcat tttgatctgc atgttcttga taattatgga cattgaacac 120

ttatcttttt attaatttat ttattcactt gctttatgtc ccaatatcag ccccctcact 180

cctttctcac acagatcctc atcccacttc cctacccctc tcctctgagg tgaggaaatc 240

ctccctagtt gtcctcctcc ccctcccagg tttatcaagt cactggagga ctaagtgcaa 300

gaaaaccaac agagttgact aacctggatc cttgtggcct cccagagact gaacaatcaa 360

ctaaagaatg ggcaggatct agacacattt atatcagaag aacagtttga tcttcctatg 420

ggttccccaa acaactaaag cagggctgtc cctgaatctg ttgcttgcct gtgaatccaa 480

ttcc 484

<210> 3634
<211> 558
<212> DNA
<213> Mus musculus

<400> 3634
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tttgtcctgt tctaggaaat cacacaagct ctcttgaaag gttgtagcaa aaaaacaaaa 120

caaaaaacaa aaaaagattg ttgatcatgt aggatgttat gagtaatata taaaactgta 180

agcatagtat ataagcacag taaaattcta atttgataga aattggttgt gatggtatgt 240

acctatagtc acagctacta ctgaggctga gtcaggaaga ttgcttgaga ctagcccttt 300

gggggcagcc tgggcaacag gggaagatac tcattctcat attctctttc tctctctctc 360

tcaaaatttt attataattt ttagtgtgtg tgtacccaag tgtaggtatg tgcacatgag 420

ttcagatgtc cacagaggcc agaagataga attggatcct tgggtcagaa gttaaaggta 480

gttgtaaagc atcttgacat aggtgctaga aactgaactt ggatcctctg caagatcacc 540

aagcattctt gatggccc 558

<210> 3635
<211> 524
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
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<222> (201)..(201)
<223> n is a, c, g, or t

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<222> (320)..(320)
<223> n is a, c, g, or t

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<222> (332)..(332)
<223> n is a, c, g, or t

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<222> (334)..(334)
<223> n is a, c, g, or t

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<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
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<222> (366)..(366)
<223> n is a, c, g, or t

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<222> (480)..(480)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

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cgagcgctcg tgctcagctt gctttctcta agcctaggat cccagcccac agaancgctg 120

cancccaccc accgcctggc tcttcatcag aaatgaaatc cttctggaat cgccctcaca 180

gacacactag aggtgtgctt nctcagtgat cccaaaatct agccagaata ggtattcatg 240

gaagccaaga aaagttactc aacccctgag gatcatgacc cagacagggc tggccttgga 300

tgtgtcttgc aagacacacn ggtgcgccac cnancttnac catggacnac cacatcatgg 360

anaacngaca tgctgagaag gcctgggatt tccatccccg accctcctgc agcagttgca 420

tgggacatcc gttagacttt gcccagctct cttcgagact tgctcagagt tcctgcttcn 480

tcnccttcca gagcatcaca gtccatgttc tcatagcttt atat 524

<210> 3636
<211> 484
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<400> 3636
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attgagtttc caaggatact ttctgccaag tgcaaagatg ggagtccagc ggaggagact 120

ctggtgactt ctaagcacag gcaggacccg gaggcctgac cttcgtgctc ctaccgcctg 180

ggtgctctcc cgggacgctc aggtcaggca gaagcagcct gcgacccagc ttcttcgagg 240

gtatcttgcg cctggtggag ctgcctggga gaggcagagg cagagacagt cctggggaac 300

ctggttgctg tcggggcagg ggcatttgct caggaaatgt ggaactggcc aagagagtca 360

gtctccaaca tcctctcacg ttgtcgccag agcccttaga tcctgaattt ggaacccaga 420

ntaggacggt gcaccagctg ccccgtgggc aaggagctct gggctccggt ttatggcagc 480

cgca 484

<210> 3637
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (259)..(260)
<223> n is a, c, g, or t

<220>
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<222> (264)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
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<222> (283)..(283)
<223> n is a, c, g, or t

<220>
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<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
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<222> (436)..(436)
<223> n is a, c, g, or t

<400> 3637
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gcctctcaac tttatgccta ctttcttgac ttggaattaa aattgagatt agatggaggg 120

aatgaagatc caattctact ttgctgattt ggctgtttgc aaccaattga acatcagtaa 180

caccaaaatg gcaaaaaaaa agaacatttt cagaaaaaaa atgcgagttg cttttgttct 240

ctatgtaaga ctgaacacnn gatntnatat tcagntcnct ttntatcttg tttctgcntt 300

ntacntatct gatgaagagg tccccacgtg tgcttggaat tagagatggt ttttagccac 360

catgtgggtg ctggggacgg agccaggtcc tctgctagag ganccggtga gcttcactgc 420

tgagctttct ctccancccc atattctttt cttttctatt aatttttttc atatgatacg 480

ttctgatcac actttctatt cttaactcct accag 515

<210> 3638
<211> 369
<212> DNA
<213> Mus musculus

<400> 3638
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aataagatat gaagcaattt aacatttaat tatttttcta taaaaatggc tacatagtgg 120

aattgcatct gatatgtaaa gaatttcctt gactacatga accatgtata gcactttctc 180

ttataagtct ctttaagtaa aaatcaacat gatcgtgttt atttatacag tgaagtctga 240

tacagcgtat ctcaaaagta ttgtgtagcc gtcattgttg agcacccagc gtagcttaaa 300

gtttacctat tcagtaattg aaaactgtgg agagcctctg aggagagcca taagatggcg 360

ctagcctcc 369

<210> 3639
<211> 483
<212> DNA
<213> Mus musculus

<400> 3639
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gaaacactgc cacctagtgg cgtgatgagg gttgtagctc aggaatcctg ggagaagcat 120

ggaagaatct tctagcatgt ggggactctc gggacccaag agggagagta actcctaaag 180

acgtggaggc ttctagtgct tcaggacaga caatgggtct gaaattcttg cttggggcca 240

tatggattgg ccgcgcaggg aggaaattat attcagcttt ctgtttctgc tcaactcttt 300

ccactgggta agtgggccct ttgaagtggc acttgcctta cctcacattc tgacaggaat 360

gactgatcgc ctttcagtcc acacaagata aggagccacg tcggagctgt cttaactaaa 420

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gca 483

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<211> 424

<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acctggctcg catgcaggac ctggtggaca agctgcagag caaggtcaag agctacaagc 120

gtcagtttga ggaggcggag cagcaggcca gtaccaacct ggctaagtac cgcaaggccc 180

agcacgagct ggatgatgcc gaggaacggg cagacatggc agagacccag gccaacaagc 240

tgcgggcaag gtccagggat gccctgggcc ccaagcacaa ggagtgacac ccaggctctg 300

aggagggata ccccacccct gcgatcctgt tgtctctttc catctgccac tccaccctcc 360

ctgagcccct gaaccccaaa taaacaccct gtctgcagca gtagccactg tccttatttc 420

ttgg 424

<210> 3641
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gactacatta gtgcctttct tccagtgacc ctgttttcat ttgtgcgcct gttagtccaa 120

atcagataga tacaagggga agaggcttgg ctcctctcag ctagtggagt gaactagaga 180

ccagcttcat gaagaatggt gtgaggcagc aagctccttt catatactag agccaggaat 240

ggatgttgga accattcttt tngaagantc attngacaag anttcatctg gtgtcaattt 300

agtnccttt tcccagcttt tatcgacaga aggttgttcc aatgaggtnt cttttccact 360

agtagttgca gctaccagtt aagaatgggt caaaaatggc tcagtggtta agagcnccta 420

ctgctcttcc aaagntcctg agtttgaatc ctatcaacca catggaggct tccaaccatt 480

cgtaatg 487

<210> 3642
<211> 518
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (252)..(252)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (357)..(357)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gagagtatga tgccttaagc cgtaagtcga gggtctggga ccgtcagatg aggcggtctt 120

tgtctggaac aggtgaaagg gccgcacagt tcagccaggg tttgaattac tgcccagggt 180

cattgtccca aagtaattca tggagtgatt tcnagctttt gaaantgtnc gccttcancn 240

tcctggggnt cnttaaaanc ctgancaggg aaactggcca aacaggccta aagtngatan 300

cttagcaaag aaataggttt atcagatcga cccaaaaggt nnggtgtgat gntgcanacc 360

tgtgatccca gcccccagga ggctgagtag gcaggattag agatcagcct gggctacaca 420

gtgngttcta ggccagcctg ggctacatag gaagactctg tctcaaagaa caaacagaac 480

agatgtggcc accctgtcat tctctctgca tgcacatg 518

<210> 3643
<211> 502
<212> DNA
<213> Mus musculus

<400> 3643
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tatcttaagc cttcttctgg gctccttggg taccaggcac acaaagacat gtatgcaagc 120

aaagcactca taccataaac aataaaataa ttaaaaaaaa taatagaaaa cctcaccatg 180

agcaaaaaga atgtaaagaa ggctttattt ttggcttagg gttccaaaag gttagaggcc 240

ataatggaga caacatggca gcaagaagca attatgctgg ccagagcagg aagctgggag 300

cttacatttt cacgtatgat caggaagcca agagcaaatt ggaagtggtg ctagggcttt 360

taatctccaa gcctgccccc gatgatgtat ttcctccagc aaggctgcac caaccaggcc 420

tccccaaaca actgaggtcc aagtgttcaa atgcctgtga cactgggggа catttcttat 480

gcaaattact acaccatccc ca 502

<210> 3644
<211> 537
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

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<222> (120)..(120)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

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<222> (153)..(153)
<223> n is a, c, g, or t

<220>
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<222> (230)..(230)
<223> n is a, c, g, or t

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ncaacacttt caccttcttc atctcttaga tagtgttggt gaancctaaa tcacctgtgn 120

cccattcagn ccagctggag tccctgattc tgntcagata gtcatgagac tttgactatg 180

agatgagagc agaaagtatg acactgaaat ccataccatt gcctgaactn aaaggatttt 240

gaaaatgtgc aaagggaaca gctgtttttc caccctcctg tgctcagagt gaaaggttta 300

gtcaggttga actaataaga agcttgaaat ccctttatag agaataagtc tgcccatgca 360

ggcaaaagac accactgagg actcccactt gcaagatgtt gggttaagaa aaagacaagt 420

gtgacaacag ctgaaaaaaa caaaagaaaa caaaacaaaa cacagagtga aattgggact 480

acctgaaggg ggaggggcaa ctcctgaaag ggatgcagtg gctgtttact gagtgac 537

<210> 3645
<211> 515
<212> DNA
<213> Mus musculus

<220>
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<222> (226)..(226)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
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<222> (424)..(424)
<223> n is a, c, g, or t

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cagttagaat taagaataga ggaactgaat aaagaaatta aagcttccaa agatcagcta 120

gtcgcacagg atgtcacagc taaaaatgca attcagcaaa tccataaaga gatggcccag 180

cggatggacc aggtatttcc tgccactatt aatttgatca tttggngttt catgtttatt 240

ggactgtacc acttgggtga tgacatcgct ggagtttaca taaaagcttt tcaaggaaac 300

taagggctgg aaggatgact cagctgtgaa ggcgctccct ggtgtccccg aagtccagtt 360

ggctttctag catccagcca cnagaccccc aaccacctgt cactccagtg ccagggctct 420

gacnccctct tgtggcttaa gagtattcat atgcatgtgg tccagcagac aagcacaaaa 480

acataaataa aaaagacatc tcaaacagta gcaag 515

<210> 3646
<211> 445
<212> DNA
<213> Mus musculus

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<222> (121)..(121)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (373)..(373)
<223> n is a, c, g, or t

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gcttactctg gttttccagt ctaccctaaa cccctcactc aggcagaggc tcagacctga 120

ncagtttgtt tcctccaatg gagcctcctg tgtctnnttt ctcccatggc tcaattagag 180

ctaagggatg gatgccctga tggtggtagt ggcttttctt gttcctgatt ttgatggaaa 240

atactcttgg gttttgaggg tgccatagcc ctcaggagga acctgtgggc aatacgagag 300

ccttggtgcc tctgaggctt ctccaggctc aggaaggagg ggtttggtgt ggatccatca 360

ctgactagcc cancggctgc tctaatggtg tcctgtggac ctggatctga gatttggagg 420

tggtgggatg ttctcccaac ttttt 445

<210> 3647
<211> 484
<212> DNA
<213> Mus musculus

<400> 3647
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aacacttgtg aagcctttag atcccacaga gccctgattg tttaaatgcc cactggttcc 120

ttcctgggat gctcagagcc ctgcaaagag actgtaggag aaagaccagg tgctgctcca 180

cctctgaggg aagcctaggg accatcctcc tgtgcagcat tcaagcatgt ttatatttcc 240

atccctgcaa agaagggtct ggcgtgctac atatgaaggt agctcccata taggtactag 300

aggccttaag tcaaaagaca ggcgacccag ctgggccaaa agcaagccaa ctacacactg 360

gacagagaca cagtggaccg gaagcaaagt gatggggcaa ctacagtgtg ccaacaggag 420

gtatcatgaa gccaggtgtc catgacacca ccatcacggg agactgcata tacacgctgt 480

cact 484

<210> 3648
<211> 311
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ttccttttct ccctagttga ctctgatctg ctcaggtcag tgatctttgc atctcagagc 120

tcacgtggtg ctgacctgct gactgctctt tcaatgaatt ggcatcaagt tttttctgac 180

agagctataa gacattgaga aatgcacatc ttggtaatga ccattcttat tacattggaa 240

actgaaacag aagcctggag tcaatgcagg cttgtccccn ncccccaccc ctgaaagtgt 300

aagccctgat a 311

<210> 3649
<211> 519
<212> DNA
<213> Mus musculus

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<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<400> 3649
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gatccggtga ataaaactgc agacagttgc taangtggta aactgacacg aagctccnct 120

tgacatcctt agcacagagc tttgcttaaa gctgctccca gtgaataact agtgttgcta 180

ttgtaactat gacgattgtg gctgcccctg gaaatatgaa tcctagctct ctaaacatag 240

ggaagcattt ctttcggtta ttctgcctgt ataacgtcct tctatggaag taaagaagct 300

ggagttggtg gctcaagacc ctaattccag gacatggaag actgaagcag gattgtacta 360

aattgagacc agtttgagag gcaatattga gttttaggct agcctgtttt gctaagcaat 420

gttatatgct aattaattag tcagttgact aaattagata aatatatggt tgccctgacc 480

agtttaccat tattaagcaa tttagctcct tatgggatg 519

<210> 3650
<211> 392
<212> DNA
<213> Mus musculus

<400> 3650
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tcctcctcct cccactttta caaaggactt tgaagtctac atgtctctta actgacaaaa 120

tttgccatag acgcgggacg gttttctctt ggtcaggaaa ggcttttgct tggaacctgg 180

gtcttgcagt attgcccaca ctgacctcaa atgctgggcc caagggttcc tctgccacca 240

gctttccgag aagccgggcc taggaactac agcttagaat aattacttac attaaaggag 300

ataattttaa acctgagttt tgctatctat ctcaggttag cctccacttc atcatcctct 360

gagggataca acattgtgtt cagcctgcaa gt 392

<210> 3651
<211> 512
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (94)..(94)
<223> n is a, c, g, or t

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<222> (155)..(157)
<223> n is a, c, g, or t

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<222> (324)..(324)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (462)..(462)
<223> n is a, c, g, or t

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agcatatggc ctttggagcc cgaagaacaa cgtncacctc ccagaactgg tcctccagct 120

gacagatagg actgcatgaa agagggcact tcagnnnagg ccaaccgagt cggtgcaaat 180

cagatgctaa cggcaacccc tccgcccaga aatcccaagt ggaaggacgc ctctcgtgaa 240

attgccttcc gtgacagtta cagacagcct gaagggaata cctgtccagg tgatacggga 300

caagaaaaac accacgatgt aagnatngtt tntacagatn tcacaacagg ccccaagcca 360

accccgttgg gattcgtatc atgntttgtt gcaccagatg aagtctgatc tgggaccgtg 420

ccagaaaaca cggaaggaag ncgagaaagg gtgaagagnt tntaaattag attctgctgg 480

ggccaggaaa gcagacacga ctgccgtgga ga 512

<210> 3652
<211> 428
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (305)..(306)
<223> n is a, c, g, or t

<400> 3652
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gtacaacttg ttcacagttt ttggaagctt ctggactcta tatagttttt gttttattct 120

aacctcctcc cagagttttg gtttagcttt ttggcctttt tagttagctt tagaatttga 180

caggtgtctt tggatagaaa ctagtcatat atacnctcag ggctcatttt ggttttctgc 240

tttgtcagat tatcctgtct gcttctttct tcagctatgg ttgtctgctt agggcctgcc 300

ataannctca gtctaggcac agaattgctt gagaaaccac agctttggag gtcagctctt 360

tttttcctag ttctctctaa attcctattc ccctttctgt tactttgaca actcttggct 420

gcctgtaa 428

<210> 3653
<211> 408
<212> DNA
<213> Mus musculus

<400> 3653
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ctggtcctgt gcactcatta ctataaatag ctgtaagaat tgttctctta aggaacttct 120

ccttatgtgg cacatagcta ttaggatgat gaagagaaat gaacacctaa gtgccttctg 180

tttgcttctc ttgctccact cctgtttctc atcctattct ctggttgact tagttacttg 240

aactgtatct gtggacttct ttcccctctg aaatgatcaa attatttccc tgctcctttt 300

tatttggatt gctcctagct gactgggtta tcctaaactc ctcctttagt gtagcctgtg 360

ctgatttcca ccccagatcc tccagtcttc ctacagctct agtgctaa 408

<210> 3654
<211> 504
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<400> 3654
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ctcatgcttg ctggccctgc ctgggagttt caaattctga aaaaaatact caaaatacag 120

aaaaatacag atgcctctgg gaaacccntc cctggggtgg ggaggtgtcc aatgcccttc 180

cttccctgag gccagttcca tccctcctga ccagtccctt cgtccttgga gggctttctc 240

tccaagccca ccaccgttaa ccttttgcct gttgctgctg gcagaagaca aacttaccat 300

gtccctgtga cacgtaaccc atcagcacta acattataaa cacgagaatt ttcacacgga 360

gtctctctct cttccaaaga ccacaatccc cacgctccga cctgtgttgg gaaagcggtg 420

gatggattga ataggtagc gccaattcac tgaaaccttt ctaaagcctg agcaagagaa 480

accagccaga tcagtgtctc agtg 504

<210> 3655
<211> 510
<212> DNA
<213> Mus musculus

<220>
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<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

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<222> (227)..(227)
<223> n is a, c, g, or t

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<222> (238)..(238)
<223> n is a, c, g, or t

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<222> (244)..(244)
<223> n is a, c, g, or t

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<222> (263)..(263)
<223> n is a, c, g, or t

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<222> (269)..(269)
<223> n is a, c, g, or t

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<222> (277)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<400> 3655
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cgaaaatggc cgagtcacct atgacatgac agaaggtgac cgaggtttct tcgaaataga 120

ccaggtcaat ggagaagtca gaaccactcg tacctttaat gagaactcca agccttccta 180

tgagcttata gtggtggccc atnaccatgn caagacatct ctctctnctt ctgccctngt 240

cctnatatac ctgtccccag ctnttgatnc ccaagantca atgggnctct gtgaacttat 300

ccctgatttt cattattgct ctgggctcca ttgcgggcat tctctttgtc actatgatct 360

tcgtggcaat caaatgcaag cgtgacaaca aagagatccg gacctacaat tgcagtaatt 420

gtttaaccat cacttgtctc ctcggctgtt ttataaaagg acaaaacagc aagtgtctgc 480

attgcatctc ggtttctccc aatagtgagg 510

<210> 3656
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(261)
<223> n is a, c, g, or t

<400> 3656
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attctctgag aggagtttgg tgtattttga gatagggtct gtctgtatta ctagctggcc 120

tagattccgt atgtagatca ggctggcctt gaacatagac ttgccctgtt tctacctcat 180

gagttctagg tttgaaggct tgcatgacct tgcccaatga agcgtaactg tttctgatta 240

ctttgtttgt tggtatnttn ntttgaagag acagggtcta accttgactg actttgaact 300

cacaggatct gactgcctgt cttctgagtc cttgggatta aaggctttca caaccactgc 360

caagatttaa tgtcttgaca attccagaaa gtaagggcac aacccacttg atagaaat 418

<210> 3657
<211> 389
<212> DNA
<213> Mus musculus

<400> 3657
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catctgaagc agaagcaggc ttagattcca tcgtctctgg ggccttccag tcctgatgca 120

ctaatgtccc tgagctgtaa agggatagat gcttgtgccc aacaaaagac aagcccagaa 180

aaatgtcacc cactctcctg agaggacctt cactacaaga tcttaccgga ggcgggggga 240

ggagaagaag aggttttagg ggaactggag agatgactca gtgccaagag cactgactgc 300

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ttccagggaa ttacatcctc tcttgtcct 389

<210> 3658
<211> 448
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<400> 3658
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acttgttcta ggtcacatag acctgtgatc acacttctaa ccctgcaggg tctgaagcag 120

aggctgcgca ggcctagcac aaagtccaag ttacagggct cgatggggca ggcctgctcc 180

cctaaccctg gtctgtctgc tgcaggcagc tcaagctact catgcagccc agcagctacc 240

agtcctccca agttggaggc atactgagcc tgtattaact ctcatggtag cctgcactcc 300

agaagacatc atacacttaa atagcctcct gtgagttctt aacttgtctg agcctccctt 360

gaccttgaca tcagaaagtg gncctctctc attcacccag ctttagtttc ctgttttgat 420

ggtgtttctg cccagctttt caagacaa 448

<210> 3659

<211> 465
<212> DNA
<213> Mus musculus

<400> 3659
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ggttgactga tacacaggga cacactctca agtgcttatg taggcatctc atgctatttc 120

aggatttgta atctctcagg tcctaagaca gtttacagag tatgtatgtg tgtatgtata 180

tgcatttgtg ttttgagggt catggaattt caactgcttg tgatatgact gttgataatt 240

ctaaggataa agaaaattta gtgtgtctaa ctttaaacta atttaggctt gtacatttct 300

agaactgtat gtcacagtaa attgcaattt tggttatgtg acattagctg acagtaaact 360

ttgttagcta gacagtattc aaagaaacag taaattttca tgtgacttat atatctgaaa 420

atatcattta tagaatactt gttacggacc agacaagctc tgtat 465

<210> 3660
<211> 406
<212> DNA
<213> Mus musculus

<400> 3660
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taccagcaag tgcctttacc tacaaagcat tgcaggtcct tctttggtgt ttttaaggac 120

attcacatag ataagtaata tcgctacatc tatctccaga actctttggc atccagtttg 180

taaaattgaa actctggaaa catggttaag ggtgcttgct tccagggacc caggctcagt 240

ttgtagtacc cacatctggc agctcacaac ccctgctcca gaggatctag taccctctgc 300

tggcttctta gggcacttaa acatacatat aaataaaagt taatctttct tgttataaat 360

aacaagaaaa tctgaaccca ttaaacagta attcctcttg cctcag 406

<210> 3661
<211> 492
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<400> 3661
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agttctggag gcttccgtag atggatggga gcagagagat ggcatctagt gctcagctag 180

ctctctcctt tacatataat ccaaatggca ccagcaacat ttccatagat cttccttttc 240

agtgaagcct tcctagaaat atcttcacag acactcaaag gtgcctctct caggagatcc 300

caaatccagt caacttggca gtgaagtctg atgatcaggg acaaagatgg aacaaggaag 360

agatgggcaa acaacaccat gacgggctgg agagatggct cagcagttaa gatcactgac 420

tgttcttcca gaggtcctga gttcaattcc cagcaaccgc atgatctgta atgcctttc 480

ctagtatgtc tg 492

<210> 3662
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<400> 3662
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ctttagttct tggggcttga caggcttcga attttacttc tttccttctt gctggtttgt 120

ggttgtttat gtaccaaaat tctagaggga aactgttgac atatctgtgc acatatgtgc 180

acacagctca tcttatatgc acacatatat tagatacnct tttatatact atatataaga 240

taagtttgca taatttatgg acaatgatta tattaataat gataattaat aactatacta 300

tctagcataa tggcctgtag tgatgtatgg gattgagcac agtagaatag actcaattca 360

tagttagaag gacagggctg ctgttttgaa acagctagcc aagccacaaa gagtcatgct 420

ggaccagaag cataaatgaa gtgaaaaaag ccagtccagc tttctag 467

<210> 3663
<211> 232
<212> DNA
<213> Mus musculus

<400> 3663
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caagacagaa gaaagaaata aagaaagaga gagagaaaga aagaacaaca acaacaacaa 120

caacaacaac aacacaactt tccttttctt tattccattg aaataacaaa gaaagtaagc 180

acaacataaa agataaacat cccctaaaag aaacagcaca aagacctgtt ta 232

<210> 3664
<211> 422
<212> DNA
<213> Mus musculus

<400> 3664
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tggaggcagt gtttagtgtc ctgaatggga atgtttaagt catggacctt cagtgtcagc 120

acatctcctt gtagcccagg agaagattgg aactgccact tggtagtcag gccttgccgt 180

gagtaaccac agtgccagta ctgaagaggc tgaggtggga gggtggtttg ggcaaaataa 240

catgaagctc catctcagag aggagtcctt ccttagctag tttgaacttg gcagttttaa 300

gaaactctag aaatggtcaa atgttttgtt gctggtcatc aaattagctt tgattacaga 360

taatagaatt gattgttatg tcaagtgctc agaaatgttt tcccatttgt gcgccatgtg 420

gt 422

<210> 3665
<211> 441
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<400> 3665
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catccatccc ncgaaaacac aaatataact taaaaacttt taaatagtga gtatgagaaa 120

aatacttggt aaaatctagg catttctaga gactttntaa gtaggttgga ccttcctcct 180

ctccagaccc tggactcact ttcactgagc tctctctacc ttcctcgagt ttctgaccca 240

aatgcacttt tgggtttgtt tgccataaca gctccttccc ttgggttcta gcttcagtac 300

catttcccac acaggaactc cagatgaaag cttctaacct ctcaccaact ccttagtaca 360

cctacatgct atcataaagt ctacaatact gactggacag gtaaaatctg agcatctact 420

aagtgcttac tgtatactca g 441

<210> 3666
<211> 506
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<400> 3666
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tttgtaaagt aaaggatttt tagggttggg gcggtggcac agtnggtaaa gcgctcgctg 120

tgtcagcctg aggacccggg ctggtactta caacaaagca tggtatgatc atnaataatg 180

ccagcacagt tgcataacga cgggcacatc cccggggaat cagctgccag ccaatctcat 240

gctaggttca gtgagcaatt tctccccaaa aataagctgg agaagganag aggatgacgc 300

tgaactttga cctctggcct ccacacacat gcatgagtga gtgcacccac atcaacacac 360

acacacacat gtgaaaaaca aatcttttaa aataataata tgggttccta agtactggaa 420

ttgagaacag tgcctacatc ccaacgtttg taagatgtca gtggactgca gaataagtgt 480

ggggatagtc ctcatggtaa ttattt 506

<210> 3667
<211> 464
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (28)..(29)
<223> n is a, c, g, or t

<220>

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (58)..(58)
<223> n is a, c, g, or t

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<222> (62)..(63)
<223> n is a, c, g, or t

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<222> (67)..(67)
<223> n is a, c, g, or t

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<222> (124)..(124)
<223> n is a, c, g, or t

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anncatntct tcatgcaccc tgaggcaggg agttaggttg gtgtcgggaa gcctgcacag 120

ggtntctggc ttatgatagt tcctattttc ttaaagagaa acttgaatgg atgtgtttat 180

tttccaagca taaaacgaga caagttttca acgaagaatt tcacagtctc tttatttta 240

tgaacatttc ctttctttct tccaatactt aggtattaat tactacagca accctcagtc 300

tcacgctcca cttttgtctc ctgttctctt aaaggggaaa aagtttaaga attttctact 360

ggtctcaaac tctgatatct tcggtgttga ctttcgcacc aactgtattc tgtacctttg 420

agtagtaaag ggcaatgtgc attcatttat ggtcacatgc tgac 464

<210> 3668
<211> 469
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
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<222> (144)..(144)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

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<222> (314)..(314)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (416)..(418)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<400> 3668
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agggatcatc ccccagagag ctgtgtttac tcatttttt ttaaatccct cggctatgta 120

tggcaagtgt tacttgaaga tnantcatcg gccttctcta gatacttcca ggttttgccg 180

taatgatctg cagaagagag ctgccatcac tttctcacat cccaaggtgt tggcggaact 240

cggagcgagg ggagagtgcc tgtaatgctt aattgccaag gggagggcgg ggngccactc 300

gggaccccgg gcgnggcttg gggaggtaag gtgcaaccaa ggaggtcttt ctggacgctg 360

gactcttcag ttggagaata tttggacaag gtatgattgc ctcccacctc ccaccnnnca 420

nctcttttcc ccaatgcctt tgggggagaa gtgataccct tgtgtaaca 469

<210> 3669
<211> 275
<212> DNA
<213> Mus musculus

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<222> (186)..(186)
<223> n is a, c, g, or t

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acagatctta gtaaataaga tagattgact aaaataactt tttcctaatt atagtgtgat 120

gatgaaagga tataaataag aggagttagc cattagtatt tgctattcat aaaaagagca 180

gttttnctgt ttgtctggag cactttaaaa ctgcaaatgc cgaaagccta aaatcaagct 240

gccatataat taacatgttt gttttggagg agaca 275

<210> 3670
<211> 179
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

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<222> (110)..(110)
<223> n is a, c, g, or t

<400> 3670
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atccttccaa gggcagtgct tacactctgc cgtctttcca acaggcatcn ttgctatctt 120

cttccttgtt aattaattag agaaataatc ttagtcaagt agtggtggtc acaccttta 179

<210> 3671
<211> 329
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<400> 3671
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aaaatgaatg tactacaaaa ataatctctg cttaatgcaa tcctcaagaa ctgaggggag 120

gtggggtgtg gatcctaaat tcatagagca atgcaaaagg acatgggtag ccaaagcaat 180

tctaagcaga acagtgttgc tataggcatc gtgttaccta acctcaaact ataccacaca 240

gccatagtga aaaagctagc gtgctgcttn tacacagaca tgaggaccaa tgggacatgg 300

tagaaaccga ggagcaaatc tgcacagct 329

<210> 3672
<211> 337
<212> DNA
<213> Mus musculus

<400> 3672
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ctctgttgtg cctgggagcg tctggggctg cgtgtcctta cagtctgacc ttgctggtcc 120

caagccatac acaagtgacc tggaaagtca caagtgtcag tgttgtggaa aatgttaagg 180

aagggtctcc actttagttt cagagacaga gcttctacaa acacatgccc tgtgtggatc 240

ttacctggag gcagcttgaa caaaccaact gagaaaatac atcttaaaga taatctggga 300

catttgcttg tgggctgagt attgttcttc tttctag 337

<210> 3673
<211> 307
<212> DNA
<213> Mus musculus

<400> 3673
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atctgctgct ttgtcctttt cttcccttca gaatcttaac ctcaacccca ataaaataag 120

acttgattta tcttttcctt ttcaaagaag cccttggctc acccacactc aggaacagtt 180

atgtgtcaga gatgctggtg aaaaccacca cagggtccct gtgcacagct tgataggtca 240

gttgagacat ttgccagggt ggtgttgtgt ttaagtaatg agaactgtgg caaatgtggt 300

ggtgcac 307

<210> 3674
<211> 320
<212> DNA
<213> Mus musculus

<400> 3674
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tcatcacctt tcgacacacc aaggactcag gtgctggcac ctgtgtgggg catagtaatt 120

cctaagcagg tataatctgg ttgtgtctgg ccctttctga cccagacact agctaacatg 180

atgtcctggg aaggaatttt cagaccattg ctattgatct caaagcctct gctttttcca 240

agtgacttca gacggctcca ttctgactgt gactctactg gccttccagg caaagcatct 300

tgggaggttt cttcttgtag 320

<210> 3675
<211> 326
<212> DNA
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<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<400> 3675
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aggaatccat ttcccaccct ataaagaatg aacacactgt cagacttttg aagaacnagg 120

gttagttntc ccttcccagt cctcccagga gctaccagtt gaacttgatg tttcttctca 180

gctgccctgt acctaccgtc tactgtgggc tgtagcagcc tgcagttatt actcgtgaga 240

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agctgactct tcagtatttc ctggaa 326

<210> 3676
<211> 314
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<400> 3676
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tcccagctct agaactacat gctaangtct gtgtgccgca gacagaacga agagggcatc 120

agatcacttg gaactggagt taaagacagc tgtgagtcac catggagatg ctgggaattg 180

aaactaggcc ttctgtgaga gcagcagctg gcagagccgt ctctccacca caaagtttta 240

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tcgctgtttc tact 314

<210> 3677
<211> 237
<212> DNA
<213> Mus musculus

<400> 3677
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aagatagcta ataaccattt gtaactccag ttacagggga tccaacattg tcttctggtc 120

tttttgggca cccagcatgc atgtggtgca cagacataca tggcatgcag gaaaaatacc 180

cttatgcata aaagaaaaat attgctggaa atgctattgt attctatgta acagtgt 237

<210> 3678
<211> 155
<212> DNA
<213> Mus musculus

<400> 3678
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gaagcctgca atcagcatct gccccagatg tccatccctt ttctctgtat tttattatac 120

tcccctcgact tctccctatt ttctctcatg gtgtg 155

<210> 3679
<211> 108
<212> DNA
<213> Mus musculus

<400> 3679
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atatgaataa aatgtagaat taaaagacat tttacacgcc gggcggtg 108

<210> 3680
<211> 529
<212> DNA
<213> Mus musculus

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<222> (108)..(108)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (295)..(295)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (407)..(407)
<223> n is a, c, g, or t

<400> 3680
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atnccactgt gttnttaaag ggaacattca ntattgctag agaccgagaa aggctctctg 180

cagcgttgtt tttatgggaa gaaatatgta ngtagagaan ccnacagaca ntgcagggct 240

aaatccatnt ccnctnccct tggtttctgn tttactttaa aaagctccat ctgtntcatc 300

ttcacaantn aaccagttcc caaagtataa tgcattntaa gtatttagta tattgataac 360

ggcttgaaat ctacagaata cctgtgattt ttctcacagc cgnaaanacc cgaactatta 420

tgtgttcaac caaggagagc tttaggctgg gcccactatt ccactaatcc tcattgtttg 480

agacgcagcg ataaatgggg agtggtaggc caggcctgtg ttccaagaa 529

<210> 3681

<211> 448
<212> DNA
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<222> (63)..(63)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (95)..(95)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (150)..(150)
<223> n is a, c, g, or t

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aanccatctt gaagtggagc aganccccaga gtagntttac tccatgttcc agacacggat 120

acctgaggcc acctgngaga atgggttggn aagcagccaa gagaacccaa agcaaaacgg 180

aatgagtaca gccagccctg cttgtggtga gcgtggggca gggaatctgt tacagccact 240

catccactca tcatgtccag cctggccaca ggagggtgca gaaccaggag aggacccaac 300

actgccacag agatttgcac acaagggttg ttagatgatg tgtgcattct aacacgtgac 360

attgctcatc ccaatggtca tagctagggc tgtaccttga ccacctacca tctcacacca 420

aaggattaga gtacctagga agcccttt 448

<210> 3682
<211> 525
<212> DNA
<213> Mus musculus

<220>
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<222> (312)..(312)

<223> n is a, c, g, or t

<220>
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<222> (325)..(325)
<223> n is a, c, g, or t

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<222> (366)..(366)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (384)..(384)
<223> n is a, c, g, or t

<220>
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<222> (409)..(409)
<223> n is a, c, g, or t

<400> 3682
gaagacagtg tctcatctgc gtctccgaag cactcagagc taacggaaga gaagaccctt 60

gaggtggcca cacaagcagt gttatctgtg cgtgatcccc agctcccttg tcctggttta 120

aacagaggaa gaaaggagtt gggtgacgtg agtcacggtg gtcataaccc cttctttcag 180

gaagccccga gcacctattt tcctaaccct gaaagcaaag gtcaagccac agatagaagt 240

gaggaagaac aagagatggt gtctgaaaaa gaacattgtg aagcagatgc gtggaggcct 300

gcgggggggag cntcatcaga tgggncgctg tgctgatgat aatcaagaag cctgtgggtc 360

tgcagntgca nccgcgcttc cagntgagac cccctcgcct cctgaaatnc tggaagaaag 420

aacggcagga aagaaaaaga ccattggaaa acaaaaaggc aaatcatctt tggaaaaaat 480

ccccaaacaa gagctatcaa atttgttggg tgactggcca gttga 525

<210> 3683
<211> 383
<212> DNA
<213> Mus musculus

<220>
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<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(252)
<223> n is a, c, g, or t

<400> 3683
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ttgtaacaag aaaagcctga ggaagtcaga aaacagagca gctctgcaga ccagtggtgg 120

aaagaatgac gcctttcaca tcatgcagta catttcanaa ctganaactg acaatcggcg 180

agagtggaga acagcaggct ggataatant tggagactnc attgaatgct aatgactaag 240

ccagtgcann nncaaaagta tttaaggaag gcagaaaccc gatcgatcat tataggttta 300

tttttaacag gctagttctt ttcatatgct cttaaattga attctaacat ccttctctgt 360

ttctccggaa cacatgctgt gac 383

<210> 3684
<211> 283
<212> DNA
<213> Mus musculus

<220>
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<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<400> 3684
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ctcttctggt ctctaagggt actgcatgca tgtggtgcat aaaaatacca tgcaggtaaa 120

cactcacaca catagaataa actaaataaa atctctattt aaaaacaagg ggtaggagag 180

ttgtctcctt ggttaagagc acttcttgct cttgcaagga ggccccaggt ttacttctca 240

gcacccacac gcaggctcat cacctccttg gacaccaagc ata 283

<210> 3685
<211> 398
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
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<222> (49)..(52)
<223> n is a, c, g, or t

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<222> (106)..(106)
<223> n is a, c, g, or t

<220>
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<222> (250)..(250)
<223> n is a, c, g, or t

<400> 3685
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gtatattaat aattatatgt aataagttga aaattattca taaacnatag aaataattta 120

taaatttcaa agcaatagga aaaagcaaag taagaaacaa agcaacaaat aaccaacgta 180

taaagttcag tacagttatc aagatagacc cttgaaattc agaaacgcag cagctggacg 240

gatggctccn cagtcaacat gtactgctct tgcagagaca caggttctgt ggactggctc 300

acaactacct gtgactccag ttccaggggt ccaatacctc tgattgtgca aacacctgca 360

ttcatgtata acacccatcc catgcacaca taatttaa 398

<210> 3686
<211> 506

<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
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<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
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<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

<400> 3686
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ccacagggga gagacccaca tcctacctgt ccctgaccca caatgaggat gtgtctctga 120

catcagcaaa gccgagttca cacacacaca cacacacaca cagacacaca cacacacaca 180

ccccatcccc tgttacatct gttctgagag tgctcnaata ctatttacca aggagggatt 240

ttaatctagc cacacagggg agagctggct ggtcctcact aaactggctc ccagtagaca 300

agtgagtgct tcccgtgata catgaagatt tttgttccct ntntntggca gtgtagtgat 360

ttttcagtgc tgttaatntn tggttgttta cgtgacaaca gtgtggtgtt atgaagtcag 420

tntccctcct ggaagggaat cacgccaagg atgtnttntt gtccattggt ttgattgatc 480

agtagctttg agcaatcctg ttaact 506

<210> 3687
<211> 497
<212> DNA
<213> Mus musculus

<400> 3687
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caggtgcaag cccacacctg gctttctctt gtcctattaa atatgcatac cctgtctcag 120

aatctaggat catctaggag acagggctct caggaatcct gtgagagagt tccttggtta 180

tgctaattgg tatgggaaga tccatcttag ttgtgggcag gaccattgcc tgggcagggg 240

tcctcgactg tctaacaggg agcagcaggg tgaatttacc cctctactct ctgattgtgg 300

atgtggcagg aacagctgcc taaagttcct gctgccttcc tttttcatta caagggactg 360

tacttgaaat gtgaaatgtg agctaaaaga aacccattct tttttaagat gctaaaaaac 420

caaacccaac ccctttaata tatatatagt atatatatta tatgtatata atatatatta 480

cactgccatt tcccatt 497

<210> 3688
<211> 487
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<400> 3688
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gttgggccca tttatcttct taacttcact ttggttagga tctgtgtatc accatatgac 120

ttaagaaatg gcagaaacag gcatcttctc ttgctcctgt tttccaggaa agttttcagt 180

cttttcacta ctaggctttt tgttttatgt ctgtacgctt tctggatcaa gttctctcca 240

gcatgctgaa caagtctaat gccaccactc ccacctcagc ccttggatgt tttacgtagt 300

tgctgtaccc attnttagaa atgccatttt cagggttggg gtgtggccca gcagtggaag 360

ctggcctgtc agtcattaca agtcctggac tccatcccca gctgctggtg taagantagc 420

acattatact ctctaacctg cagaatgctc tctttcccct tcagtgctgt caacttttgc 480

ttggtgt 487

<210> 3689
<211> 540
<212> DNA
<213> Mus musculus

<400> 3689
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gtcatttttc tgctgctgtg ataaaaatac catggccaag gcaagttata gaattgtatg 120

atactctaaa gggtttatct gggcttactt aaggttccag gaataagagt cctccatctc 180

ggggcggcat ggcaacaggc agcagtagaa gaaagctgga agcagacaac tttaacctaa 240

gcccaaagca gagaacataa ctgcagggag gcaatcccgt tctctccttc taccatgtgg 300

gttcctgact gaactcgagt cgccaggctt ggtggcaagg gcctttcctt gccgagccat 360

ctcactggct ccctttcctt cgtttctgaa gattctacag taaactgcat attcgttctg 420

gcttgtttct ttgagtcttg ctacgtagcc caagttgccc tgaagctcac ggcctccatg 480

tttctgactg ctgagattac aggagagtgg gcatttgcct tcatgctgaa ccttacaaca 540

<210> 3690
<211> 487
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<400> 3690
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tcctggctct gtggaagcag accctggagg atcccggaag cctgctgggc agctccaggt 120

tcagngagag accctgtctc aaaacataag gaggctagca attgagacca ccaccagtnt 180

ctggctgcct gcctcctgcc gagtacacac acacacacac acacacacaa gcataaaaga 240

cgctggcaca gctgcacaca tctgtaattc cagcattctg gggactgagg cagggccata 300

gtgagttagc aaatacctt gcgctgtccc tttgagagta aagaatgggg tgtttaccac 360

cgatggtgaa acccctctga gggtatcagt tccctgtctg ccccccccc ccaaagctca 420

cagggaaata agacagttgt gtgcatcttt gtgtgcaggt gacctctctc ttggacaggt 480

gggcaga 487

<210> 3691
<211> 332
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

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ccagttgcag gacaggatct ctcagatagc caggctcctt tctattctca gtctggtcca 120

gagcatgaga acagacactc cgaggaccta gatcatatcc acgatgtagc ttatattatg 180

caatggtggg acaagggccg cctggatatg cttgcaaggt ggaaccctct gaaagagaca 240

tagtttgttc tgtcatccct gtgaggttca ccaaagcctt aagctcttgt agttcattgt 300

cttatgcgta tcctctccgt atctgatgaa ca 332

<210> 3692
<211> 497

<212> DNA
<213> Mus musculus

<220>
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<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

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<222> (294)..(295)
<223> n is a, c, g, or t

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<222> (299)..(299)
<223> n is a, c, g, or t

<220>
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<222> (312)..(312)
<223> n is a, c, g, or t

<220>
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<222> (314)..(314)
<223> n is a, c, g, or t

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<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (444)..(444)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (466)..(467)
<223> n is a, c, g, or t

<400> 3692
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catgtggtct tagcatcaac ccatcctgag aaaggggagg tgacactttc ctgaaagaac 120

aaggggaagg atggcaaaac agagagtaca ggagagtggc cttccccaaa gacacccttc 180

tcccactgct gtgacattgc ccccactctg gcccccagca ctctctcgag tgggataggg 240

tagtacctgc atagnacggg tcttggagcn tcaggagctg gggctttntc acanntggnt 300

tggccgaggg gntnttggat gntgntntnc atgctgagaa aggtggtgct ggctggagca 360

ggaccagctt gagctacccc caaggccctt taaagcccct ttntccccag agctggcagc 420

tgaatgagnt cactgggctg tttntagaac atgcccccct ccnttnnttt ccctgtccca 480

caactcttgg tgtgata 497

<210> 3693
<211> 564
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<400> 3693
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gagttgacgc tgtggacaga actgaggaga gcaggagcaa gcgngggcct agggtgtcct 120

nttcgctccg ggggttcagt ttctaggctc agtttgtctc ttttcctcca attccagtag 180

ttttctcatt gcgctgggca gttcaaggga ggccacccca gctcttcaag actggtagaa 240

tcgtggaatg gctctcgtcc cacgtagatt acatgcgctc accggtgtgc gccgccgggc 300

tccgtgagct ccgactgccg cgttaaaact caactccgaa ggtcggagcg cacgggggcg 360

cctgggggtc tgcgttcccc gggctttggg gaggcaccag catctgagcc tgcgcacctc 420

tcaagggagg ccaaatctct gaaggccgag taagctgtgg aagttggagg gggtgtgggg 480

ggatatattg ttattaatta cttcaggcta ggcctaatgc ttccaaccct cagaggtggt 540

tggcatggac gtcctgcgga tttt 564

<210> 3694
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<400> 3694
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gggctatttt tcattcttcg atgcgtaaat acagatgact caacatctag cctaccaagc 120

tggctaccta tcagttttta ttcttactgc gtcacaatta ctggagaaga aggaggtgaa 180

gaaaatgncc ctcagtccag actctatntg gatttcagtt ccctagctat gagagtggnt 240

atcgggatta attctaaagc tctggggttg attacaccgt gcagcctgga tgaagagcta 300

gatgtaggta cttctgtgtc cactgatata acataacaca cctgggagga cggtctgctc 360

gatccctctg ttgagtctcc ggcccggagg ggatggggtg gggggacag ccgactggca 420

gggatgctgt gacgacgaac ccaaatactg ctccagggga acaactgcga ccagccccac 480

aagactgtac ctcgcggtag ttttcgaact gttcagggtc tgcgacc 527

<210> 3695
<211> 410
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<400> 3695
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gcgcataatt tatggtgccc ttaattgtca ctacaaattg cattcctgag gagcaattta 120

gcagctggat gctagtggat gctagcagat gcaggtttgc acctctgctg agttggctca 180

gctggtcccc tcattagctg caggaggccg agccctggaa aggagggaag gataaaggca 240

ggcggctcag cccttcctcc tgtgtactga tgtcaccatg ccctgcttct gcctccacag 300

atccagctct atttcgcatg cttgccagag gaaaaggttc cttatgttaa cagccctggg 360

gagaaacaca ggattaaaca gctcctgtac cagttgcctc cacacgataa 410

<210> 3696
<211> 510
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<400> 3696
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gttntcgtaa aagctcacaa ctacaaatta atacatgtgt gtagaactat cacatacata 120

actgtttaac tctgcatggc ttctcagaac tttaaaatta tcactaattg tatatcacaa 180

ctgataaacc acagtaaaat tagggactgg gttaggaatt aagactcctc tgcccactca 240

gatttctttt gcttcaaaca taatttagat atatctacta tttattgtca tttatgaaat 300

acaaagtaac atccaaatta acctaaagat tgggccaact atgtctgcct tagaaaatag 360

tgtcacttgt gctcagttca tcctatcttc actgtccgtt acagtcccga tggcagcctc 420

gaggctctgg attacccctg gacactgagc tcagggagaa ctatgtgtgg ctctctgtag 480

gggtcactct tctcgtaggt gtggctggca 510

<210> 3697
<211> 312
<212> DNA
<213> Mus musculus

<220>
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<222> (76)..(76)
<223> n is a, c, g, or t

<400> 3697
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tgacgtcacg gccacnaagt ggtttttgtg ttgtaccctg aggctgtttg ctgaactcaa 120

ggtcctgccg gttcccctga gttgtcttca catattggtg gagagtccac tttgaaatac 180

ttttgtggga gttgtaaact cttaagtttt tgcttattta tgcctatgtt ggatagtatt 240

tgtgaagaca attactctcc tgagtttaat ttgctctttt aaaagaacat tgactatttt 300

gtgaggttct tt 312

<210> 3698
<211> 444
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(61)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<400> 3698
aaccatttct ggtttctcac agagaccant gacatgnaag tccctgaaca aattccctgg 60

naaanttgcg cggccacctc catcctccag ctcgnccagt tccaagggaa ggggtgacaa 120

cctgatgaag gagctgctgt gcagatgccc tgggttagtg tcaccttgga aagtgactga 180

ggagccggca gacatttttt tttctccatg gcagctattt cttgaggtct gagtgactgg 240

ccaggggctg ggttttcagc tttccacagt ccacctccaa gctagtcagg gggttgattg 300

aagtcttgag agtaggtgaa gctcttgcaa cagtctccag gatgtctttc tgctctccca 360

agcagccctg gtagcaacac ctgacctgtc agaagcacca ggagaagggt gaggacccag 420

tgctggtcta actagaatct ccct 444

<210> 3699
<211> 546
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
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<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

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<222> (189)..(189)
<223> n is a, c, g, or t

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<222> (191)..(191)
<223> n is a, c, g, or t

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<222> (197)..(197)
<223> n is a, c, g, or t

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<222> (200)..(200)
<223> n is a, c, g, or t

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<222> (223)..(223)
<223> n is a, c, g, or t

<220>
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<222> (435)..(435)
<223> n is a, c, g, or t

<400> 3699
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cttggctttc ccngtgcttt ctcagagctg agtggttggt ctctgtttct ctgcttttct 120

ccaccactca gtcacagcaa tgacctcatc ctttcaagtg ccagagnagg caaactaanc 180

cccagnagna ncctggnagn agagcctggc tcccatttcc tgnctttcag ggaatccatc 240

cgctaagcct ggcttctggg catccctcga agctggcgga gctcaattgc ggcaggaaat 300

ttagaaacag gaaagttcct cagttgccac cgggaaggac ctgggccaag ggctggagag 360

ctagcttttt ggtagccagc cctaaggaag caagacagag tgacaggaga tcttttcaat 420

cggggtgcta cattncgcta caagctgagc gacaacaagc ttgttctggt gacttaggaa 480

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tgagttccca aaggacagag gcagattgga ggcattctca ccccntcccc cacctccaaa 180

gtcaaggtga gtaccccggg gctgacatgg aaagagtctt aagaaaaaac acctgtctgt 240

agggcctttc ccagaaacct ttgcatttgc tgcctctcag gaaagcctcg ggcccatcct 300

cgagtactgc ctgtcaggca ccagtgtctg cccaagggcc attgtgcact atgtaaattt 360

cccagaggcc cagctcagcc ttgagaaagc aggaactcct gtttggtgtg tgtgtgctct 420

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gttgtgggtc ctgcaggatc tttacagcta cctccacttt cacctgtctc atgcttgggc 180

taccatcctg tgcctctcca ggcatgcaca acagcatctc tggtcattgc catgtnntct 240

cagaggtgct gtgntgagaa ggnaatcccc ccagcttgga aactgctggc ctgagggaca 300

aaaagaaaac aggggaagaa gtgtgagctg tgaccaagag taaaccagtg ggctagggag 360

atgcgactca gcagttaaga gcactgtatg cttttccaga ggacccaggt tcaatcccta 420

acacccacat ggcagctccc aaccgtctgt aactccaatc ccaggagatg caatgccctc 480

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aagtagaact aatactgctc gaagacaaat gtctttaaag tcccactgtc cagttacaaa 180

taaacagagg aaggagagag atggggaggt ggtacagagt gccttgggga cagaaggaag 240

aaaataccca gagcatgcac aaagccaagt ggtgacgaac tctggaggac ttatctcatc 300

caagagagag ataagagtgg ctggaggaaa ccgggcttgg gagacacccc agtctctaaa 360

gtgctggccc cacaagcatg aggacctgag tttgatcgcc aaaatataca ctttaaaagt 420

caagtttagc agtgtgcact tgtaattcca gtactgggaa ggctaagaca ggccgctact 480

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tcccttacac ttanccaacn tgacttcaga aaaccnngga ctttngncct gntctacagg 180

ncataaactt ttagctttac ctcagngtac acanttatat attatcagtg acaatcaaaa 240

tcttctcact tanctctagg tcttttgttc acttggctat atgcacatgt tctcatttta 300

ctggctcatt gaataaatga aattataatt tctgctagtg ttcaccaact ttctttcttt 360

gagatacatg gaaagccctc catctcttta ctttatcctt tgtttttcat atttattgac 420

atatgtgctg tttggcaatt ttaaaaattg aaatataatt atattgttct cgcccctctg 480

ctcatctacc acccccacac tattcctctt gatttctttc aaagtcatgg cctttgtttc 540

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ctgccactcg acagaggaag ggcctctaac atgaagtcac caacatttgg ggactgtcat 120

taggaaatcc tcaaatgcct tttgnaaggt aacgnaatct ggttctaaan atgggggnat 180

nctggcatnc cttcacagtg cagtgnagnc gtcatgtttg ntctgntttg ggnntttggg 240

gggggtgcna tttanngaca gagtctcact cntttagtcc aggttagtct taaactataa 300

ttcttctgtc ctgtctncct gcttttagaa cangcatgtg ccagcctgtg gtctcagtgc 360

tgtcccttac gtctaacata gagtatccat agtcagtatg gccattaacc agtttaaagc 420

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ttaaaacctg taatccaaat aatgcggagt ggattcagga ggacagcaat agcaatgccc 120

tgtggggcta cacatgaggt caagtcaacc ttagaaaaca atgttagact ttaataaaga 180

aaaatctctt cagtaaaaac gagcctccag ctctggctaa cactaagggg agccggaaaa 240

aaaaaaacag atatgctaac gtacatacac aataagtgta tgcattctgc atatgctgtc 300

aaactgaaga aatgctgttt actgccctcc ggctatcatg gctccctatc gaatacaact 360

caggacaacc tgcacagaag acctgggttt agttcccagc actaacacga tgacacaaag 420

ttattgagat cctgtggcag agcatctaat ggcttcttct atcttctgtg gaaaccaaat 480

aatcaaatga tgaacacaca tacatgggag caaatcaccc atgcacatga 530

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cccctnatct tcagtgtgcc ctcctttcaa acccagnaga actttctagn tgtgaaaagc 180

aatgacccta acttcagata ttcnaaatcn ggnccaatat tnccatgtct aatctctgag 240

tctcatcccc acctctgtat ctgactttct gttgtcgcac ctcctcactc tgtcaccatt 300

tttaagagac tatgaagatc cttgtgtaaa ccgcattttc ttcccttctg caaactccct 360

tccttttttat taggacaggc tcatttctaa gtgtgaactc ttaataccca taagcactgt 420

tttcttgtaa tgtgctgtgg ccacatgtat tagaatctca gaatttccct accagggaat 480

atcatgccta aagcccagca tggaaacaca atcaggagaa tatgacttcc ctggagtcta 540

gcaa 544

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attggtacct ctctcctctc ctcnggacct gccagccttg ccagcaggag agggaaccag 120

agacttagta aancatatcn aagcatgcta tncccaggag tgctgcatac acagctgctt 180

gggntcttct gtagggccct ggtatttgca ggctgtagat ccaacacaac gcttgtgtgt 240

aatcacagac ntcatacttc tgagacactt tctggacctc tcttttcact tcagtttctt 300

aagacaaact tcaaaatctt gatctcaaca cttgtaatga ccagtttaat ggtcaacttt 360

gcatagcata gaactgtctg ggaagagagt ctcagtgagg aattgtttac attggccggt 420

ggatatatct gtggaagata tgtcttaata aggttaattg aagtgggaag actcagtcca 480

ctgtgagtgg cacc 494

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ggtgtaagca tcttgcattt tggccccgaa gtattagtcc caactcatat gttggacctt 120

tccccaagtt atctgagttc agtgnacatt agttgtccaa atagaaaagg gggagaaaca 180

attcctatgt ttgtatgtat gtgtgattat gatattctgt gagaataacc taccactcgc 240

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aatcccatgt ccagtttaac ttcaa 325

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aattcattgc ttctgttttg aaacttttct tgggtgnaan ttgagcagnc tttttattaa 120

aaggnaatat ttattaaaat tcagcttaga cttttaaact gtctcttgaa tctataacaa 180

tttacatttg ccttttaatt cacaattatt ttaggttcat ttaaataatt ctcttaatga 240

cattttatga cctaaagctt tatctaaata tttaacatca aatttgctcc cttataaaac 300

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gactcaagta ntttcctgct tnagaatcct nactacntga attnaaggnn cccagnanct 180

nactgtgtgt tctgtagctc anttctttcc ttagagccat tcagangggg ggttattant 240

tctagttnaa caggtgagga aacactgtgc taattnccca gtgtccagag gctgattgaa 300

atactgtatg catgcctttt gttgatgctt cttcggngct gtttgctttg gttttgaggc 360

aaagtttcac acagncccaa gctgctgacc aaaattcatg atgtagctga gaatgacctt 420

gaacgcctgt gactcctcct tccacaggag gtacaggcat cttatgccac tcctggccgt 480

tgtttatgtt taaaaaaaaa gcccccaagg attcactaaa cacctcacca taaatcatgg 540

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gttctctaat gaatttgaag tcctgtctca aaaaaaaaag taaaaatttt ggtagaagag 120

anttaagagt aagaggncag caagatatga taatgcctgc ctatatttct agcaatgatg 180

tggggagtgg tggcaaagtc aggatttcta cgagttccag gccagcatgg gctacatagt 240

tgtaggtggg agagaggaaa gaggaaaaca aaagggaaaa gagtgagggt gtcntgcttg 300

gtatggacct catcagtatc agnctaggat gtatttgggc atgtagcctt tttctagtct 360

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<223> n is a, c, g, or t

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<222> (470)..(470)

<223> n is a, c, g, or t

<220>
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<222> (487)..(487)
<223> n is a, c, g, or t

<400> 3712
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ctgcattgac aaggggaaac ntccttcgcc agtctctcaa cgggggctnt caggcatcct 120

gtctagcant aggtcctgta tctcaagcng aagttgcagt gtcntcacca catgcagtta 180

ttgcttgcca taaactggag atggacacac naatgcccna ntnccatatn cgaanccacc 240

nttttattac nanccccccct gccccaantt tcagangtgc gcntttnctn cacatttttg 300

gntttggttt ggtttttgtt nnttttttcat gtgtgtggtg tcctggtttg gatgaaatag 360

aaataaaggg aagctaggtt ctggcagctt tggaaattac agnccaagat cttccttatc 420

atgaaattca aacccagggt agtcaagnaa gtggcactgt ccttgcatgn ctagatcttc 480

tcttctncag caaaagcctg acaccttggc tactggggga tgacact 527

<210> 3713
<211> 502
<212> DNA
<213> Mus musculus

<220>
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<222> (213)..(213)
<223> n is a, c, g, or t

<220>
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<222> (220)..(220)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(224)
<223> n is a, c, g, or t

<400> 3713
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aaataatgcg atttctttat tcactttagt ctgtttaata tttcctttct attaattttt 120

ggttgccata cagagtacta ggtctgatca tgacatcttc ttacataggc ccttatgctt 180

tcttctggtt caccctcttc cctttctgtc ctnccccccn cnnncccgtt gtttcttctg 240

ttctaccagg ctcctcttct tccctcatca gtcctccctg ttttcctatt gcatgtatac 300

catccctccc tcatttccca cttcctttga ggtctcttcc tcttctctca ttacccccgt 360

tctgggcttt tgatgtataa ataaacttat ataatcacac ataacataca tacctatccc 420

cacgctgcaa aaagtttatt attatatagt ttagaattgt aaactctgac tcttttaac 480

tacttgtcat tgcagaattt gg 502

<210> 3714
<211> 513
<212> DNA
<213> Mus musculus

<220>
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<222> (27)..(27)
<223> n is a, c, g, or t

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<222> (29)..(29)
<223> n is a, c, g, or t

<220>
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<222> (51)..(51)
<223> n is a, c, g, or t

<220>
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<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<400> 3714
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tagnctttaa gaaaattgtt cnctgcatac agctcagaat ttacgtttc ctttgacatc 120

tgggtgtgag cacctccctg tgtgggacag tgatagaggc ctcaagtaga catggagaaa 180

atacaaaaac agaacgtccc tgtcctccag gagctgcttc tgaacagaga aggctgggca 240

aagtggataa acaattaaac cgttccttgt attatgacag gtgctgcggg gaaagtcttt 300

cagtctaaac atgctgggca cctctgtgga tgaaggcggg aaatgaacca gcagtccgat 360

taatttggtg ggggcgtagg tgtgtctcag attccacgac gaatggcggg gcactttgag 420

tcacctcatt cagtgtctcg gcttagatgc attttgaact tcctagtggc caactcttct 480

ccagttccaa aggatgctta tcactctgtc acc 513

<210> 3715
<211> 486
<212> DNA
<213> Mus musculus

<220>
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<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<400> 3715
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gccctttctt ccccaggttg cttttggtca tggcctttat caagctatag gaatcctaac 120

taagacaccc agcatggctg natgtcttaa ccagaggaat ggactgatct gagttcatgc 180

agtagcctgg tngattatcc tttttcattt aaggttctct tacaatctgg gtcctgcatc 240

tttaaaaaaa gaaaaccaca gaggtgagat agggctatca ttcagtggaa gggtgattgc 300

tagtaggtgt gaggccccaa cactttgaga aaattaataa ataaaactaa ccaataaatc 360

tcaagagcgg tatcctcttg gtcaacagca aatgccatan ctttcttatc actcgactgt 420

tagacacata gatgtggttt ttgttttcct ggtggtgtaa tgagccttgg gcatagagtt 480

gtacgt 486

<210> 3716
<211> 289
<212> DNA
<213> Mus musculus

<400> 3716
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gtgaactcac tgtgtactag aggatgattg tgaactcctg gtcacccggt ttctgcatgc 120

aaggcctgga attacagaca tgcgctactc tacccaattt ctctctactt gagtacaaaa 180

agaatgaaga gcaagcagac agtcaaatga tttacttatg gtcgtacatc taagaaaccg 240

acacccttga tggtctgagg atttgacaag tgatcccatc aagccagtg 289

<210> 3717
<211> 520
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<400> 3717
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tgcttcagat ctggttataa ggagagagcc accattttgg tttctggcta gttttatttt 120

gttcagcatc aacctatatg taaagaatca aaaatactca aaagattgtt agactgaatg 180

gtaaactaaa accaactcag ntcaaccaat aaactgtcaa tgtcaacgaa ccaattaaag 240

ggacgggcct gcctagtgtg ctacttacat ttgtaaccct ggtactccag agtctgaagt 300

ttgaggctaa ctggcctgca gaataaacaa atacagcaag aattaaatgg aataaagtcg 360

aggaggagag ggagtgagga gtcatgcagg agtaggagag ttgtgatcac ttcagccaag 420

gttaagtggc cacagaatgg agaagacata agtaggctat tcagaaggag gtgaggaaga 480

aggaagactc cccaaacagg tacctaacag ctgcggagta 520

<210> 3718
<211> 417
<212> DNA
<213> Mus musculus

<400> 3718
gctcatatac cttagttggc tcccactgct tatagaatat agcccaaagt cctcaataca 60

ggttcaaagc cctctgctac ctgaccttac ttctttcaga gatatattaa ataagttcac 120

aagcaaagga gaagagatag agagctaaag agaagtcctg agaggaagct ttcacgtttg 180

gggatagtca caggagtggt gctgcctttg atagatgagg ggccaggatt catgctttca 240

tgctgctctt agaaccaaaa aaatctgtca ccaatgaaag agccacaggg cagcacgcag 300

tgtctgtctt ctgatatcta aggcaagaga ccgcaaagct caggaaatga gaagaaatcg 360

agaagcccct actgaacaca aatacatatc tgtaattagc cctgctttga ccctaat 417

<210> 3719
<211> 462
<212> DNA
<213> Mus musculus

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<222> (41)..(41)
<223> n is a, c, g, or t

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<222> (75)..(75)
<223> n is a, c, g, or t

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<222> (89)..(89)
<223> n is a, c, g, or t

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<222> (99)..(100)
<223> n is a, c, g, or t

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<222> (107)..(107)
<223> n is a, c, g, or t

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<222> (115)..(115)
<223> n is a, c, g, or t

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<222> (124)..(124)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<400> 3719
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agttgggtgt ctatngagac ccagagtcnt tcctctgtnn aaaccangat ctatnaactg 120

atcnaccctc ttttggcaac ttcanctgca tcatctctga tctatgtcct aagtataggt 180

actccttttc tttcctnaaa cagaaatggc tcacctatgt gcctatgtgt gatcagagtg 240

tcatactctt atggtgaggg tagaacgcaa aacagtcttt gtgactgcct gtaattatca 300

gaaagctccc actgactgcc aaagaattta gaggtataca ctcactctgc tttccttctg 360

gaaagacaac cagggcaagg ttggatctgc catgtgccca gtatgtattt ggacagtgat 420

tacttctctg aagtaaagct ccagaatgct tggatgtgcc tt 462

<210> 3720
<211> 481
<212> DNA
<213> Mus musculus

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<222> (31)..(31)
<223> n is a, c, g, or t

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<222> (33)..(33)
<223> n is a, c, g, or t

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<222> (48)..(48)
<223> n is a, c, g, or t

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<222> (187)..(187)
<223> n is a, c, g, or t

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<222> (203)..(203)
<223> n is a, c, g, or t

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<222> (208)..(208)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (417)..(418)
<223> n is a, c, g, or t

<400> 3720
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caggtccctc ctttaatatt ctagaaaata tccaaagggc taaaaagttt tgctttcaaa 120

gtagtgaaat gtgtaatata aggctccaga gaatgcataa ggtttgaatt ttaactaaat 180

tttaacnttt cattagtggc ttnaagtnaa tgttaacatt tggatcatga aaatattcaa 240

ggtctttttg actttctgac atactacttg atgtctatat tttagcagaa atcgcctttc 300

ttaatcagaa gcctgcttta aaatttctcc taatgacacc aagggatcct actagctctc 360

cacagtcaaa gtctttatgt cttttcctgt cttgtgtgag ctgtcttcca cttacanncc 420

ctgcctggcc aagcccagga gttgtagagt cttctctgtg ccaaattact tacctgccct 480

t 481

<210> 3721
<211> 537
<212> DNA
<213> Mus musculus

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<222> (36)..(36)
<223> n is a, c, g, or t

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<222> (73)..(73)
<223> n is a, c, g, or t

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<222> (288)..(288)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (426)..(427)
<223> n is a, c, g, or t

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tcttcatccc ctntgaacaa cgcccactgt tactgtggcc ctttaaggtt ttttattcat 120

ttttgttttg ttttgtttta acatttttt ctatttttat tttttatttt tatttttcct 180

taaatttcat gtgtatgagt attttgccta ctgcatggtc tgagtactgt gtgcatggct 240

ggtgcctgag gaagccagaa gtgggcattg gatcccctag agttacangt ggttgggagc 300

caccacatgg gtgctgagac ctgaacctga gtcctctgta agagcgcaag tgtccttaac 360

tggtgagctc tctctccagc ctcttagtta ctgattttgt gtatgtgtat gtgtgtgtgt 420

gtgtgnnagt gtggggtcag aagacagccc acggggtgtt ggtccttcta cagtgtgtct 480

tccagggctc accttgtcag atttagtggc cagcatctat atctgctgag ctgtctc 537

<210> 3722
<211> 456
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

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<222> (109)..(109)
<223> n is a, c, g, or t

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<222> (157)..(157)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

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ctgcatacct attttgtntg tggtggcttc agatggaacc cctgtgccnt gcacacgcca 120

ggcaacctct gtaccactga gctacacccc taacccnttt cgaatatatt tgagaccggg 180

tcttgactaa gttgctcagg ttaatcgcca acttgcaatc atcccgtctc agcctctggt 240

atacnacagc actcatctta cantatttga aaaattatta atggtgataa tagtttattg 300

aaattctttt tcagttttag tcatggcttt atttttaaa gaaagcaatt gccaaaactt 360

ctgtatttaa accctgtttt ttccttcctt ctttaagaaa tttcttggct ctcacttttc 420

aagtttaaaa aatatccgat ttgtgctcta gttaga 456

<210> 3723
<211> 528

<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (107)..(107)
<223> n is a, c, g, or t

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<222> (143)..(143)
<223> n is a, c, g, or t

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<222> (206)..(206)
<223> n is a, c, g, or t

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<222> (279)..(279)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (390)..(390)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 3723
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caaggttaga caagagtgaa ttgtaaaaat gagcattgta ttggagnatg taaaagtgta 120

aaacaaataa cagtaaaaac ttnataaatt ctcctcttcg ggggatagtt tcgatgtatc 180

tgcatatctt ttaattatat atacanagtt ttaaaaaaaa tgtaaacgga gatgttttct 240

aagtaaaatg ttctgattgt gtgtgttctc tttgtagana gtggcatcca gatgaactgt 300

actngtactt gtctaaacta atcacagtca ctgatttatc aacctgcact naaaagcctt 360

tagataggaa ggactgtctg aagagacagn gtttaaacac taagctattg agcccacagn 420

agacaagtct agatttgcct tgtggtcttt aggcactggt tttctatctc tgtgtcacaa 480

tctctgttgt ttaacttcta tcctcaaggt taccgtgtgg tccaaaat 528

<210> 3724
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

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<222> (101)..(101)
<223> n is a, c, g, or t

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<222> (110)..(110)
<223> n is a, c, g, or t

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<222> (121)..(121)
<223> n is a, c, g, or t

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<222> (127)..(127)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (247)..(247)
<223> n is a, c, g, or t

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<222> (338)..(338)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctaaacggaa acgattgcag agttggcaan gcatggagag nttgagactn gaagtcgaag 120

ntgcttngna agnaagaaga gccaggggga gaanggagtt cnggcttggt gaatgagact 180

gggaaaggac cncacgatgn aaagagaaaa gaagataggc tggaaggann atattgtgaa 240

tctatcnaag taaaacagaa tagaagaacc aggtggtctt ctcttggcac cattccaaca 300

ggacaagtcc tcctcagaaa ggaactctgg gtaaggcnac acctgtcttc tgctaagccc 360

tgcctatgcc agttccagcn aagctccagc tgtctagcac ctctgcatcc agagttccac 420

tgttctatgg tcctcttgct tttaacatct acaccaaggc atctgagcat ccttaggtct 480

tccagtcttg cacaaccctt caccgacaac tcggactaca atcatcacta cacactgg 538

<210> 3725

<211> 485
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

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<222> (132)..(132)
<223> n is a, c, g, or t

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<222> (150)..(150)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<400> 3725
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tcccagcctt ccttgcagta tcctcatcat ccttttttca taaaccggga gcaaanttca 120

tcttnatgtt gncaatcctg cagagatgtn cccngangtc tgcacccggc tgatttcnag 180

ctagtaaatt ngcnagctag ggnaaaaaaa catcacatct ctgcaagttt ctatatcttg 240

tgctacctaa gtcactatat agttactagg aagctggaaa tccctctgat gattcctgtg 300

acagagacat ggtgatgctg gcagggtgcg ctaaactagt cctgatccct ccttcctgag 360

gcttttgagt cagcttttgg ccaagcagac cataactggc ttctatgagt caatggaaca 420

cattcaggtt accatgtcat gaaaacaaag ccattgattt aacatgctgt taaactcagg 480

ccaag 485

<210> 3726
<211> 524
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (163)..(163)
<223> n is a, c, g, or t

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<222> (221)..(221)

<223> n is a, c, g, or t

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<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<400> 3726
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gggaaggaag gncaataggg ggaggcagaa atagcttcaa ctcctaggag cataagcatc 120

tcaaaatctt cttgggaact gttaaaaaga tatttctcgg ctncagagtg cgtcatatcc 180

agaatcactc tgaattttgt aaaccaccag aaaccgtcca ncaggaagcg accagctggg 240

ncactaagtc ccgggtctga agttggccag ggacaggtca tgtatgaatg gctgtgggta 300

gtgtgttcct caagtttggg ttttggtctc catttttcng tcctccacct tcgtgatgtt 360

gggtgaggtc cttaaccttt ctgggtctca ttttcccacc ttgtaagatg agggtgatga 420

ccccgtttgc ctgcgagagt cattacagat atggtatgag ttcagagagt ctaaaacgca 480

gacctgggat gtagtaaagg ctaaagctgc ttctgtttct aagg 524

<210> 3727
<211> 249
<212> DNA
<213> Mus musculus

<400> 3727
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cacaccatga tgacaatggc ctaaacctgt gcacctgtaa gcaagcccca gttaaatgct 120

ccccttttcta aaagttgctg tggccacggt gtctctgcac agaaagagac cactgactag 180

aacaggacca gaatgtatta ggagaaaaat aagggtttaa tatcatcaca gtctaaatgt 240

ttacacaaa 249

<210> 3728
<211> 539
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (253)..(253)
<223> n is a, c, g, or t

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cagttccagc cctcagggaa ccaagctcca ataatgaact ttagggatca aactggattt 120

aaataatagc actcagagga aagtgataat gagtgaaggt aaagaattcc tgaaacataa 180

aaaaagaaac atagaacacc taggtgtggt gtcctagagc ttaggaggcc aagaggatga 240

ttgtgaaccc aangccctcc ccagtgaatc tgaagctanc ctaggctaca tagtgagagc 300

ttgcttcagc ccaatccctt ccaaaagaaa gatgaaaaga agaaagcagt attttcattt 360

accatttatt gatgttaaga agtgcatttg ctcctcaagt aaacagacaa tggaaaggtt 420

tattacatgc ttaaagaaag ttctggaatg atctgtgtcg gctaaagatg tgaaacatgg 480

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ctacacccat tcacaaacaa gtatttacaa nggcctaggg ggaaggtggn actatacaat 180

agactagagt aggaactang gcnaaggcac gaagcccttg ccccnggctt ctaagattaa 240

gtggacctta ggtggggcta cttttgattc ccaactgtta acattgagtt ttatcccagt 300

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<223> n is a, c, g, or t

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ctcacttctg agtataggca cagaaaacca cagttccgat ctttctggag agtgctgtgc 120

gcagctggag aggacagcct ggatgcccat agcagaaagc tagtancnnt tcatcatgtt 180

gccaagcaac tgtttcctta atgtgacgcc tccaggtgac ct   222

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cgnatctgta gtcacactag tgtgtttcag tgtgnattct tgaggtagtt ccccttagnc 180

cacagatctg ncagccactc agtgtgattt agatttacct aaaccaggta aatgtttacc 240

tgnataatgt tagttaatgt tgtctttnag gaagcagcaa tgtcctcact tataggaatg 300

ttccacacaa ttaaaaaaat aattaattaa tcacagggnn nncnntnaag aacactttgc 360

tttccaaagg gcttgagatc agtccctagc acccacagtg agtggctccn caactgcctg 420

tcatatgagc gctagcagat gcaatgctct cttctgctct ctgaggctac ccacccactc 480

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taatttngg ttacttttnc aanggtatgn ncangggtct tactaagata acaaatgcat 180

aaaccaaaan ataattaaca tttgacttca ttatgaagag ttccatatga gcttagggta 240

cttctatttc attttgtcct cttaacacaa ggataattat gacataaang aataaattca 300

ttagcatatg ttatcactac ctgtatgtag cagaggggtt ttattaggaa aaaagtccac 360

gtttttctag accgttactg atttaatcat gaaattaaac tactatatta caaaataatg 420

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<223> n is a, c, g, or t

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<222> (339)..(339)
<223> n is a, c, g, or t

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ttcttccttc tccccgtcct ctccatgtgt atctcctcca tcagtaaccc tggccaactt 120

ccctatcacg tgtgtnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncctgga 180

ctactctctg gttttatgac ttatgtctgt gctcacacct tcatatataa gatatgcata 240

tgagaatgtg acatngtctt tctgagtctg ttacctntgc ttaatgtaat tnccagatgt 300

atcatcttcc ttaangtttt ataatttcat tcttctttng gctgaataaa attccatngt 360

atacaagtac cacatgttta ctatccattc attgggtgta atttccttcc tttggtgact 420

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t 481

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggtagtgcac ttgcataagg ctttagggat tgcatctgca gtaccttaag aaatattatc 120

gagtcttgga gtaacccagt tggttggcat tttgtttgag ctatctgtgc tgcggttctg 180

catttgcagt ctgaggatct gccaagatag tacaggctgt gcccagttct ccctctaaga 240

ctttatccat gtatctctgc ctggaagtgg gctnccttc tctcattcta ccctgnccag 300

cccaacatgg gtgtgggagg gcancttgtc agaccttctc caggaagctc actgccctct 360

gttccttcct tctctntggg ctacactctc agagagtcac ctggaacgtc tcacacaagc 420

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<212> DNA
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ngctacatcc tggtcaatgg ntaccgtgaa gncnaggtca gantncgggg gtctatgtga 120

gtctcnggtg gtctcnnagt tagcaggacn gaatgaagac agcatcaagt gcttattgct 180

gnagctggga cnnccatagc tcaccagntc tgctctacaa ggtgagtttg ttctgatttt 240

agatggcata cacctgaatt gcgagtctga tttacaaaat gggaccctaa actgccagcc 300

aggatagcct ggagttccag taagcaagac tatatatatt tttaatgtag gaattagagg 360

agaagaagaa aaccatagag cagcaaggtc ccgctggtga ccatgactta ggggttacct 420

caaaacagag agatttacca tccagtctga catcaactac tctgtggagg acctttgacc 480

canaacagag tgcacagcac aggcctgggg tgcaagtttc ccatacgcat acccacccca 540

caacagcgca cctccacaag gtttta 566

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<222> (222)..(222)
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<223> n is a, c, g, or t

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ttggggaaca tggactttca tggtggtcct atatatagtg tctgacctgc aggcacgtct 120

gtgtcataga cacccgtgta ggaccgtcta tntaatggca ncctgttgtt cagtgacana 180

gtactgtaaa gcagcaatga cacaaacact tatttcaagt cnggggaagg naaggacatt 240

ttatcccaac caacacttgg aagtcttgtt naaaagaatg aaagatccat ctatgtagct 300

ttattgaata ggggtggtga anggtggggt agcaaacgtc tttctctagt gatgaacagt 360

gggaaagctg tttgctttat ctgctaattt gagctgctgg ctcgtgtcct ggcttgtgtg 420

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agtgtgactc catttctact ccaac 505

<210> 3737
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 3737
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tgcctttatt tccattacta aggaatctct gcctctccat tggaatttcg agacaggatc 120

tcagtctgca cttcaggaag gccctgagct cacagaaatc agcctcagcc tcctgggtgc 180

taggatgaca agcatgggat agaatgcctc tctgtnggaa tgtttcctat catcccatct 240

ataattattg aaatgagtaa gaaaccaatn cagaactatg tgagtaaccc tgagaaagcc 300

agcatgtttc ttgagaatta cttccacaaa cttaatgatg aagagacatg atagaaaaga 360

tccccaaact tggccaaaga tcattttgag gaaaatatag tccataggac ctaagtccaa 420

aattctttga ttcagcctgg accaattgag acctctttat ttacacaatg cagttattca 480

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tgtgcttgcc agactctgaa 560

<210> 3738
<211> 546
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ggcatagata ctgaagtgca cctcggaatt ttgcagaagc aaagtaccag acagggaaag 120

tgaantgcgt cctctcatct cctagacggc tgatacttat acgctccgac tttgccagcc 180

aatagagttg ctcacagact gtgctgaagc gaaactgaag cagcangtgc ccctcatgtc 240

tgtttttcca tcttttccag ttggctcacg tcttacccac agaagagaat ttcttgctgc 300

tctttcgatg ccagcaactg aagtcctgcg aggaattcat gaaggtaaaa ataatcctct 360

tccctgcaag gaaaatgctg ggcgttggga aattgttgtg ttttgttgat ttattgaaat 420

ctggtttcca cctccaaact tcttacagac ttggagaaag tatgatactg accacagcgg 480

cttcatcgaa accgaggaac ttaaggtgag cgagtgaaag ctgaggctca gtgtgctccg 540

tccaga 546

<210> 3739
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acagacaagg aacgtgcttg ttaggccttt gaaagctgct tctggccagc ctcttgagcc 120

aagacgtgtt agaatcctca gatgtttttc ccccccttgag aaagtcattc ccaataaaat 180

cccaaacgct aattgtgttg accctgcnan nannnnnann nnnnnttggc attctctccc 240

cgctaccaca gcgtttcctc tgcccatcag ctttgctggg cccctcgaca ccattagttt 300

cacactgagt gtggtgagtc gctgtcagtg aaggtgtgtc cccgtctcag acagctccac 360

ttgtgaatgg catgtgaatt ttgcacagtt gcttccggac a 401

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ttgaacctgc cgtcntcttg cctcagcatc ctgagattac aagctttctc taccaggctt 120

aatactttta gtctcctaat acagtagtag cagcaaatga agatagaaca cagctgactt 180

aagctctgcc ctccccacta cccagtaccc tccgtacact ggaagttgag tatggcacat 240

tttctagacc cagcctcaga aacttctttg acagcagtca cnaccaatga natgaganca 300

atcactaaac tgaagtttca tagggngttg ggaggaancn aaactgcgat atgctgaagt 360

gtctgancaa gaattgatca aggaggngag gacngcatnt caggtagctt agggatatan 420

aaagggnaat tgcttanccg gtccaccaag gtaatggtta cttttcctcc ancagaatat 480

gtttccaaag tcatcttaat atttgtccan caaacaagcc agataaaaca ataccccctgt 540

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccgagtaaac aaggtttggg aatccntgat ctcaggtcnt caggcntngt ggcnggtact 120

cttacctgcc ctgccctcct ttctgagnaa acttgcttgn cagaaggaag agnaacagaa 180

tttccccagc tcagaagtta accatgctgt tggatgctta agaatcctgc cnaggacagt 240

ttgcttgcct attcttctat aagggctctg cagctgttga gctaaactgg gctttctggt 300

cccttctgct ctgacagcat tttaaaactc agtgtaaaga gggaagaaga aatgactcag 360

tggctaagag catgaaccat tcttacagag taacagatac ccctacttct gttcccagcc 420

ctcacactgg tcaatttaca actgtctgta actccactag gaggggtgcg gggggggggg 480

atcggatgct gctttcccct caggcagctt cactggtgtg cacata 526

<210> 3742
<211> 346
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agtgtctgct gggttcttca tnccataccc tgtcctggag acgtgtgctc acccagagca 120

atcttagcag gaatcntgct cacttancca gaatgcttnt nactnnngat gtcnaccctg 180

agtagatgtc catagagccc tcctttctcc ttgnntgtac atccccagnt nntgggccac 240

atncaagagc ctgtttgcat ggcccctgcc cttcctgcaa ggtcttgaat gaagcctgtt 300

ccactgtgtt ctacaaagtg tcactgaaat gatgtccttt taataa 346

<210> 3743
<211> 529
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gatgaatggc atgcctcccc ttgtgcagga atgcaccatt ccctgtcggg acgactgcac 120

cttcacccct tggtctaagt tcactccctg ctccaagaac tgtgaagcaa ctcagatcag 180

gaggcggcag ctaacaggga aaagcaggaa gaaagagaag tgccaggatg cgtccctgta 240

ccctctggtg gaaatggaac catgtccctg tgatangttt atgtntcntc ctnatggaaa 300

ctggtcancn tgcnttntac cagaagncaa aagggatgct cancaangan gattgtnggt 360

gcaaggagat gacaaagaat nnggagaagg cntgcgcttt cgagcaatag catgctccaa 420

tataaatgga agaccggttg acccctcatt ctncaacagc tctggttaca ttcaggaagc 480

atgtgtcatc ccctgtccgt ttgattgcaa gctaagtgac tggtccagc 529

<210> 3744
<211> 482
<212> DNA
<213> Mus musculus

<400> 3744
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tatattctac ttacagactc aaaagcttgt tggttttcct tcatatatga gacacaagct 120

ctcctgatct gtaaatgatg gatctggctg tgaaacaact ataaaaaaaa aagactagct 180

cactgccatg tcatttcaaa tagacgttcc taaattaaga caatgaatta gacacaagtt 240

tcctaaacta gagcacatgt tggaaacaga gaaattaagt gcagctgcta ctacacctga 300

tcttaggcaa aggcaaagaa gccatgcctc cttatgttaa aaaatggtca tctttattga 360

gattaagggc taatgactct atcctggact ttcaacctca actttcaact tgtaagggta 420

caagctataa atcgttttct tatgcataaa caaaggagta gggcatgctt accaaggact 480

ga 482

<210> 3745
<211> 363
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttgatgggg gcgtcttcca gtattgaccc ttctgcatct ggtgggctgg aaatcatttc 120

tgagatagtg taacaaacat gtgcagacaa ttatgtctga ttacataacc tcancacccc 180

ccncnaaaaa nngggactag aaacaccatt tgagccactc ntgtgaattc antttttttc 240

ctgtaaattg taataacttc atttctgagt ctttaatata caggctgagt gcatcaaagg 300

acagtggtcc tatggtacgt tgcttcggtg tcaattttta aatggcccac ctacaggaga 360

cga 363

<210> 3746
<211> 412
<212> DNA
<213> Mus musculus

<220>
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<222> (27)..(27)
<223> n is a, c, g, or t

<400> 3746
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gccccggtgg ggaacaagat gagaattcag atccagacag ggttgacaaa tggctactat 120

actaaaatga ttaagagaag tttggctgtg gatctgcaaa tttctaactc tccacaatca 180

ccaacttctc atcaggcagt tggtcttttg gtacctttaa cataggtatg gttttgttt 240

ttgaaatcag ctcattctaa tttgtgccct aaaagccact gctagagctg agtccaactt 300

aaatcttaag cttcagttgt tgtactgcat ttaattttcc cataactggt caagacagaa 360

gtcctatgat tcccaccatg gagcaaggag ttcttttctg tccaatcatc tt 412

<210> 3747
<211> 504
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
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<222> (287)..(287)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 3747
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cttggacaca tgttaagtta actttctctt ggaatcacag gtaatcatca tttcctttat 120

gatctacatg aatattcaca taatttattt tgccttttca aattgaagat tggatttgaa 180

tccctttttt tntatctgtc ctttctcaga gcatctccaa ggtctcaact tgtacaagga 240

gggtgctaga gcaatttccc acccactggt gttcttgctt agctgancca aacccttaga 300

tgattttaat gtgaanaact acttcacatc ggtaacatgc agctacaaat gaccatctgc 360

actggcacac agtcaagcct atggccaagg aacgagtgaa ggatactgca acttgctcac 420

tcccctattg gctgttttgt ctgcatcttc tttctgtaac actcccataa taagtttgtg 480

tcaaacaatc ctcttgcatc tgat 504

<210> 3748
<211> 445
<212> DNA
<213> Mus musculus

<400> 3748
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ctctccggtc ctagaggtag ccttgaatct gcctgtgtta tgccttctgg tctctgtaga 120

actttggttt ctttgatgtt agatgttggt atattcgtca attaaaaaga agacatccag 180

gctcagattt tattttatct atctcaagag gtaagagaat tactttctca taggtttggt 240

gcaggattgc atctgagtcc tgttgtgacc ttgtggattt gactatatct gagtccacca 300

aaagatgcca ccagagtggt tccctcattt gttgttaggt aatatccttc ccatcacagg 360

aagtagaaga aattctggga gaaagaatat agccaccatg gcagttttgt gctgtttaga 420

agacctctga atggtggctc atgcc 445

<210> 3749
<211> 284
<212> DNA

<213> Mus musculus

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<222> (224)..(224)
<223> n is a, c, g, or t

<220>
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<222> (232)..(232)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 3749
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taggtattca tacagttctt tcagaggata gacagttggt tctcagaact catattggac 120

agtgttcaac agatgttaac ttcagctctt gggacattca acacctttgg cctgtatggg 180

caccttttca taggaccaca cacagattac acacttacag agantgggag anatagacct 240

cnttagagaa gaatgtacca tgtggtatcc aactatatcc attg 284

<210> 3750
<211> 479
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (217)..(217)
<223> n is a, c, g, or t

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atagccangg atctgtcaga cctgtactcc catgggctct ggtgagtaag ccagtatggg 120

tgctatgctt ggtattctgg agtccttcca aggacttgat cctctctgcc tggtgaagag 180

tagacagttc ctgtctttgt agccacccgt gcgaagnctc ttatttcctc tctcgggttt 240

tccctgtgag tgcctcagtc ctgtggttct gctgtagtct aggcatagtc acaggaaagt 300

ccactctagc atgtctgcat aagggcttag tctctagcag cagcaccata tgcaataggt 360

gtggaggtgc gtgcctctgg aggtagaggc aggaggatct aaagttcaag gtcatcttca 420

gctaacagtg actttgaagc cagttaagga tgtgtaagag gccccatcaa gttgcagat 479

<210> 3751
<211> 525
<212> DNA
<213> Mus musculus

<400> 3751
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ctgcagggaa aggaggaaga tggcggctgc gacaaggact cagtactagg gtgcatgctt 120

acattgtgta aggccggggg ttgtacgtac atagtatatt ctgtgtgttc cccgggagaa 180

agaggctact ggaacacatg gcagcagcta ctgtacagac aggaaagaac tggccataca 240

ccacacagac acaccagaag agggagatgg atcccttaga actggagata cagatggctg 300

tgtgctggaa attgaagttg ggtcctctca aataacaaat caggttgttg caggcttgta 360

tagcaactcc tctatccact gagcctctta cccctctcac ccagatcttt gttttcatct 420

tttattttcc ttacaacata cactgaacta tcttcattaa aaactaggtt ttgtttttgt 480

ttttgttttg gttgttttgt tttagtggtt ttgctcagtc tttta 525

<210> 3752
<211> 422
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caaacagctg tgagtcaagt cctgaggagt ctggcaggag gatcaaaacc atgtgggctg 120

gtntccccaa acanacnnna accnacaacc agngcctgna aagatggctc agtgagctga 180

gagtaaactc ttntcccagg aatcctgant tcanttccta gcaacttgcc agatntctca 240

caactacctn tcantcttgc tnctggctag ancctctgtg agcaccatgt gcacatactg 300

actatagtta aactaacant aaaagaaaaa agcaggaaaa tgaggcagag cttntgaaga 360

gagctgttag tactttgtaa agctgagaat ccaaattcaa tctacagcta ttttgtgggt 420

tc 422

<210> 3753
<211> 446
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (73)..(73)
<223> n is a, c, g, or t

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<222> (182)..(182)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaacgtaaca ggncagtcgg tgcagcttcc agaagctgct ttttaggtga gagagataaa 120

gggattggac ttaataatca ggcggattgg ccgcagtcta agaactgcat caggtgggag 180

gnaaactctc ccagagacag agagaatcag ggactccctg ctttattctc tctgggccct 240

acagcagaag ttctctgccc tctttgtgat tttgtctaag gtcttctcta atgtctggtg 300

caccagtctg tccacgtgtt caattcatgt gtgttcgtgt ctagtcgtct gaatgtctga 360

atggtctgtg ctcatgttag aaaacaaaag atggctggta taagcaaagc cgagagtgtc 420

nacactcttt agccaggatc aggcac 446

<210> 3754
<211> 416
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
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<222> (385)..(385)
<223> n is a, c, g, or t

<400> 3754
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tactgagggg tttgattgct tttgagattc agaagaaaag taaccacagc tgccatgaga 120

ggagcagaat ggctctcttt gtggctttgc tttgtgggat gcacgtcata ccagtagccc 180

gccaacagca tgttcaccta aaacggttcc ttttataaac aagaaaggcg gcttgagtgg 240

tatacatcat tttccaagct aataagataa tccacttttc atttcaaagc ctgagctcta 300

atctgaaaac agaagtctcc ttctctgctc cttgcagcag tccttggata aagatnatgt 360

tatcataatc ctattaaaat gtacnccctt ttgtggcatg cctccataat agtatt 416

<210> 3755
<211> 540
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ttttaatgca agaaaatgtt aatgtatttt gatggaagaa tgagattgtt cccattatca 120

ttcataaaaa ctttctctgc tggctactat ggagaaaacn gantgancca tcnggaaggn 180

ttnggagntt cagnagttgg cctgagctgc atagtgcatt tattacaaac ctgggtctct 240

cagtcagggt tactattgct gtgattaaac atcccaagat ggcttgcttg agcagcctac 300

ttcctcatag aatgcagaaa aatcagcccg ggggggggge atccacagtg ggctaagccc 360

tccccaacag atttctaatt aagataatgc ctttgtctgc ttacagatgg gtcttctgga 420

ggcattttct caattgaagt tccctccttt cagatgacta tggcttgtgt caagttgaca 480

gaaaatgagc ccgcacactg ggctattaaa caagacaccg tgtctctaaa agtcaaccct 540

<210> 3756
<211> 504
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (104)..(104)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aatgcttggg ccacagtatc acaggacaaa attggtgatc attnagtgtc agagaaacct 120

gttacaataa tgttggatga tgacaaaaac cgctgctata cttgcatagg tcattcaaac 180

cnaaatctan caangaaaaa tcaaggttaa atcnaanccn tngancaaat nggatatgnc 240

nggatatcta caaagtctta tggncaanca gaaatgaaat ctgtatgcaa ctcagcatcc 300

cttaaaacag tttctaagat naaacacagt ctgtgttaca gaaaaagtat taacaagagt 360

gtaataataa gtcacttaaa ttgttactac gcataataat aagtaataag actataaaaa 420

gtaagccttg acccttatca agttacagaa aaataaagct agtatttaat agcaagaaaa 480

acgcagaagc tactcaaata cttg 504

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acaccttaat cattctgtta gaacagatta gacagttcct acntcagcat tttcagaaaa 120

cacactttca aggccaaaag ccatcatcat cagtagagtc tccccttgct gagacctaat 180

tatctccggg gttccatcct ttacctcagc ttctgtctag ctgggttagt cagtgaggcc 240

tggaacactg ttgctctttc atactaatgc caacatcacc acattttgtt ctcccattga 300

tccgtaaaat aaataatgca ttaatgcttc ttcattggta ccccccccct ttttttgaga 360

cagagtctca ctatgtaggc ctgactgttt tttgagacag agtctcacta tgtaggcctg 420

actgtcctac aactcactct gtataccaag ctggccttga attcatagag atctgcctgc 480

ctctgtctct tccaactgct gggaataaag acatatgcca ccatgcacag accatcaa 538

<210> 3758
<211> 516
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (472)..(472)
<223> n is a, c, g, or t

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cctcccgaga ggcctgcagc aggtcttcac ccacacagtc agcatactcg atcttggcca 120

cagcacaggg ctcttctgct ggccggactt ccagctccgc actcaccaag tgccgcttgt 180

ctccaagcac cctatcgagg gtgtctgcgg acaaacacat ggaaatgcgt gaagaataag 240

gagggcctgc actcgaggct caacgtttgc caggataatg aaggaagcca aagaaagatg 300

ccaggaacag gctgccccag gagactgtct gcccttgctg agattgcttg tatntgagac 360

ccntcnaaac tnantcttta naantaccaa ccttggggaa aaggtnacac tcaaattgta 420

tgacatctag agagtataaa aagctgataa taaaaactat aaaccttgtt cntctgccaa 480

tttccaaatt taaatttcct atattccttc agcaat 516

<210> 3759
<211> 552
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (520)..(520)
<223> n is a, c, g, or t

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gtgtgcatgt gtgtatgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtggttgtgt 120

gtgtatgact gagagagaaa gagatagagg gagacaaaga gacaaagaca gagagacata 180

ncacngnaag agnacaanga ttaattcctt tggtttttt aaaacaaatc ttttnagtcc 240

atatttccta gactatagaa cnggaggtaa aatttaaaaa gtaatatttc ttctttgtac 300

ttggaagaac agaatacctt tatatgctat tacataatca cataatactt tatatataca 360

gtgaatttta ctttgtgtct ttttagattc atttgagaaa aaattgtgac ttaagtaacc 420

ttctgtggaa tatttttatt tactgtgttt gacttaaatt agtattactg taactggcac 480

ttaggatttg ctttatgcaa aaacattgac tgactcntcn cttgaaccca caagacactt 540

tcagttcctg ga 552

<210> 3760
<211> 485
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tgattcaaga ccaacacaga tgtagatttc cccaaattct gaataactct gatttaatcc 120

tacaggtatg taacagaatt tgtaaaccta ggcaatgttt cagctcttcg aactttcaga 180

gtcttgagag ctntgaaaac tatttctgta attccaggta agaagaagcc ggtataaggt 240

ggtaggctcc ttatatctcc aactgtttct tgtgttctgt cattgtgttt gtgtgtggac 300

tccctattac agatatgtga cagagtttgt ggacctgggc aatgtctcag cgctgagaac 360

gttcagagtt ctccgagcat tgaaaacaat atcagtcatt ccaggcctga agaccatcgt 420

gggggccctg atccagtcgg tgaagaagct gtctgacgtc atgatactca ctgtgttctg 480

tctga 485

<210> 3761
<211> 420
<212> DNA
<213> Mus musculus

<220>
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<222> (320)..(320)
<223> n is a, c, g, or t

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atacccagtg tgactcaggc ctatagaagg tgcaagccca tgacgttagt gcaggccaga 120

aacaatggca tggggttctt tcagaagttt ctctgtatgg ctatcgtaag ttctaacaac 180

ctcgcgtggg cattctttca gtgaattgat ttctttgtac taaaatctct agttttctaa 240

gcctgttcca catattaaac agttttatac atttctccaa ggcggtacat atccaaagac 300

atgatgccag ggaaaaaaan gtgcttgttt ttctgatgaa gcaatggtct cctccttttt 360

cttctttgca tgtatttgtg tagctaagtc tgaatactca tgtaatattt ctgctgcaga 420

<210> 3762
<211> 384
<212> DNA
<213> Mus musculus

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<222> (289)..(289)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (346)..(346)
<223> n is a, c, g, or t

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<222> (359)..(359)
<223> n is a, c, g, or t

<400> 3762
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taatcatggc agtgccttgt ggggcggggg tttgtgcctg ggtagtctca gctgtagctg 120

agcagggcta tgctgcatcc aggtcttgat ggagagctct gaatggttta gatgaggccc 180

caggggcagt gaccactgcc ttgaggaagg cattctaccc agctggctta ttgtacccac 240

gggaagtgct ggatccacgt ggacaggtgc ctggcctgtt agatcctcnt gttccnnagg 300

aggtttcagc ttctgtggnc ggaccctaca gtngtattgg gtaaancct tgtgtagcnt 360

ggatgaacct tgggtcccat ccac 384

<210> 3763
<211> 550
<212> DNA
<213> Mus musculus

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<222> (59)..(59)
<223> n is a, c, g, or t

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<222> (69)..(69)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<400> 3763
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caaccgacng atngggaaat catctgagnc caaaacagct gtangtggga caattggaca 120

acccaacctg gtgcaaacat aggaaattat tgctttctaa aagcatagaa tcatagttgg 180

agataatact ataaactttg ctaaagtatt ttattaaaaa ccagagtgtc tggctctgat 240

tatggagata aggatatagt ccagcagttg tatcatcatc acatagctta taggtagaag 300

aggcagttat tatacataca tacatacata catacataca tacatacaca catacatatg 360

aatatatata catatatata cacatagtat atatacatat gtacatatgt atacatatgt 420

atatatacat atatagttgg catatatata tatgaagcca actatagtgg ctattgaaag 480

caacagcaac aagaagataa gtaactgctt tcttagcaca gaagtgagtc cagacacttg 540

ctatagagca 550

<210> 3764
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (227)..(228)
<223> n is a, c, g, or t

<220>
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<222> (230)..(230)
<223> n is a, c, g, or t

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cactctgttc gacagacgtt tgtggcaatg cggctgagtg gggacacatg aatcgaaata 120

agccttcctc ctcttcgaag tcctgtagcc cagaaaaagt gacttccgtg agctagcctc 180

agactcgccg gccatgagga aatgaacctg ttgatgtttt attaatnntn gtaaggtgga 240

gaaaggtccc tcatttccct ctggttaaaa aacgatgatt ccagtcgagg accactaaca 300

cgtaaccaag ccattcttta cctgtctgct gctggagcct ctcttcccac ggggtgaagc 360

tggcatataa cacagcctgg cattccaatc ttgtgatggg tctagacgag gggccacgct 420

tgcatttggg ccataggagt ctgacgaagc tgggtttttc tggacaa 467

<210> 3765
<211> 431
<212> DNA
<213> Mus musculus

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<222> (93)..(94)
<223> n is a, c, g, or t

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<222> (97)..(97)
<223> n is a, c, g, or t

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<222> (107)..(107)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taagtttcat catctgtaat acagattttt ttnnccnact gtggggnttt tgctcatcat 120

tttccttctc ggttccttca catttctcta atctggtgnt cactgaaagt tagggccgac 180

tttcactgtt aaattgaagc ataatttttc aaggtttaga acttgagatg ggaanatgtt 240

tttctccctt aacatgtaaa atagtccact ctgctcttct ttttgcccgn cttctgacct 300

cttcttctat agtgagtttt ctcatcacca tgtatggtgt gtttttttaca ccatggctgt 360

atgttttgtt ttgttttntt ttnttttnnn nnnnnnnnnn nnnttttttac agatactctt 420

cagcaacttg a 431

<210> 3766
<211> 495
<212> DNA
<213> Mus musculus

<400> 3766
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tcttggtttg cagaattttt ccccatttaa cttaaagctt tctctatcga gtcagaggtg 120

aattcctaca gcaagtctga acttccatga ggataggatc tagatattaa acaagactta 180

catttctgaa ttcaaaagca attacccgtc tgtggtatct tctctcctag gcctctcccc 240

tctgctgatg gaaagataat aaaacctgat ataactgcct ccggccctgg agaccataaa 300

ggactgctca ttctttgttt tatgtgcctg ggtttcacca gtggccactg cagccctttt 360

gcagagctcc tcgttgctcc taagtgtttc gtctatcctt gcctaccagc ctacccctgt 420

gataggagcc tttctctgag tccagaaata cacttgatct gcttccattg gctgcttcaa 480

gcctatgaca cttct 495

<210> 3767
<211> 401
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (195)..(195)
<223> n is a, c, g, or t

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<222> (198)..(199)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctttggttag gctgggtggc caattatctc ctttctcatt ttcccaaccc agagctaggg 120

gattagattc ccttttccct tgggtattga ctattaanat ttggntcttc ttggtgcatn 180

ggcaanccat tctantgnna atgagtcctt tncccaagct ctatttcttg attcttttta 240

ttttttatag gcactcatac cttttatttt taatttttta aatagaaaat gttttttcat 300

acaaaatata gtgaatagag ttacccctcc tccatctata ctagatcctc cccacatcac 360

tgcccattca aacctaaaac ctgtctttct ctatatcatt a 401

<210> 3768
<211> 295
<212> DNA
<213> Mus musculus

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<222> (40)..(40)
<223> n is a, c, g, or t

<220>
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<222> (252)..(252)
<223> n is a, c, g, or t

<400> 3768
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atgaagtaca gtaattgcaa atataaatta gataggcata ccactctctg tgatctctta 120

agaatacagt actgattccc acataattta gctctttcta aaactgtttc tgctgaatct 180

atatattata ggcagtacaa taatttctca ttatatacat ttgttccata caatgatttt 240

gaagtaacct tntcttcaac atggatgtaa tcacttgttc aagggctcta gcaat 295

<210> 3769
<211> 454
<212> DNA
<213> Mus musculus

<220>
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<222> (242)..(242)
<223> n is a, c, g, or t

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<222> (282)..(282)
<223> n is a, c, g, or t

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<222> (297)..(297)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (371)..(371)
<223> n is a, c, g, or t

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<222> (419)..(419)
<223> n is a, c, g, or t

<400> 3769
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ctaacccctg cactgcaaaa caaagaactt gctccagcta gggcttcctg gtcctcaaac 120

tcatcctaca gggagggcta gtcccctctg ccatttctcc ctactctctg ctaactccaa 180

ctcaaaaaga tgagtagaca ccttccctgt tccacgtagc tcttgcattg gaacctacat 240

cntgcctggt ccctgttctc tcccctccta gctggagccc tntgctccac agtcgtnagc 300

taacccatat gacatnaggg atgaagccag tgaggcagct cctccaactt ctgccagact 360

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ccacctgctg ggacagactc accctggtgc gatt   454

<210> 3770
<211> 563
<212> DNA
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<223> n is a, c, g, or t

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<222> (175)..(175)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (200)..(200)
<223> n is a, c, g, or t

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<222> (470)..(470)
<223> n is a, c, g, or t

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<222> (503)..(503)
<223> n is a, c, g, or t

<220>
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<222> (511)..(511)
<223> n is a, c, g, or t

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gaggncactt aggtttttaa atgagaaana gaagagtcaa gctaaactag aataatagga 120

catacctaat gagctgtctt caccagacga gaagctatgg gctggtgtgt agctnaggac 180

ccttgttngn atccccaggn ttactaagaa gaaaagtttt taatctaact gggacagtga 240

gagtcctgta ttggccatcn aaaattggga actgttttaa atgagataag ttctgaccta 300

aaattgaatt ttccttttct caaaattttn natatttact cttattcatg gtctcatctg 360

ggaatcttaa ctaataggga gccattcact aactccttgg tttctttcct gcatcaagat 420

aactgatggt atagtatgtg tcaccagana tgatttncag gctaatgacn attagaatat 480

ttatattcag ctggaaatct tgnttttcaa ncagaatgag tttatggtat gcttttctca 540

aagctgctat gttctcaatg aaa 563

<210> 3771
<211> 366
<212> DNA
<213> Mus musculus

<220>
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<222> (331)..(331)
<223> n is a, c, g, or t

<400> 3771
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cgtgtggaca gcttccaccc ccgcaggctg ctgctcagtg ggccacctca gattgggaag 120

acaggtgcct acctgcagtt cctcagtatc ttgtccagga tgctgattcg gctgacagaa 180

gtggatgttt acgacgaaga agagatcaat accagcttcc gagaggaatc ggagtggcgt 240

tacctccagc tggccgaccc ctggccagac ctggagctct tccagaagat gccttttgat 300

tacatcattc atgacccgaa gtatgaggac nccagtctga tttgttcaca ccctcagacc 360

atcaag 366

<210> 3772
<211> 564
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (257)..(257)
<223> n is a, c, g, or t

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<222> (272)..(272)
<223> n is a, c, g, or t

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<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgcaggtact gcagccttgt cagcgagccc ttcccattca gatatgtgcg agagnttntg 180

ctnacagtac ntaggtacag cctcagaaaa ttcagaaaag gtctctctca cnaaggaagg 240

gntgganaag tgcagancaa ggggaggaag gnacanctga acaacgtcta tngaacanag 300

gagtaataan gagagccatt cctccgggct gcactntnac ncaaagacta agnaaantaa 360

tggacactga aggggaccca gctgnnnnna cannataaga agcctccagt accacaagga 420

aagaggaaag gatgagcaga aggcagatgc aaaggagagn catgantnag ctctctgtcc 480

cacgtggtca tatagcacaa gcttggactc atgaggagna atattcaacc acccatagta 540

aaccatggga gatccgggca gaac 564

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<223> n is a, c, g, or t

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agaatgctta cactccacct aactcggttc ttgcttgcac acagaacaat tcctatcaag 180

agtctaccaa atctcacctc tgccctcaaa ggccagtagg ngaaagagac ttctaggagc 240

ttctcctgac cctcctctgc tcctgccaac ccttgccaag ctgggtttgc aggtcatccc 300

tctccagcct gtatcccagt cactctgacc cttacctcgg gaagcagctc agtcagttac 360

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tgcgagggtg ttctgaagct ttct 444

<210> 3774
<211> 561
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ncnttcnagg antganccgn ttttcaaaag gctttngtga gcaggcggnc acacggggga 120

gcgtttctca cgccnccnat cngangnagt tgctgactga gaggagccna ggcctttatg 180

atgctgaggg ctccttgcat aaagacctgg agtgatatgt gtcttagagg caacctgaat 240

aaggaaaaat tctgtgaaca ccctttttaaa aatgnggtat acctccatag atgggttgaa 300

tttgttactt gacaaattgt aatcctattt agagtggagg gacacanntn agggttaaag 360

gaaatagaca tttaccagnc agantactaa accttgagtc tcatatncca ccactataaa 420

cttaattttt acaacaacta gagctgaatg aanatgggac tgtgtatggg tatttccccc 480

cccnaaaagt catgagaatt gtaatgttat ataaattaca gcaaaatgtg taggtgtgtg 540

ttgttcctgt tttaccatgt a   561

<210> 3775
<211> 377
<212> DNA
<213> Mus musculus

<400> 3775
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gttaactatt cagaataccc ttccatggta gctccgaggg ctcagaccat ctgctgtggt 120

gtcccaagtt ctcacttgtg gctttcctag acactcagct tgcctggcct ctctctggac 180

ctgaagaggg aaaggctccc ttctaaatgt cttactcaga ggcgacttga aggatggctt 240

tcattttcaa ataaggaaat gtcagggttc ctccttctac cacaggcttc catgcaatag 300

caacagaatg ctctccccta caatcgtgag aataattatg agccaggaac tgaagcgatt 360

cacacaggga gcccagg   377

<210> 3776
<211> 476

<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agcagaacag gactctgctt cctgtaggtt aatctaattt gctcggttcg ttttgttgtt 120

atattatgac tgaagggnaa cttgaaaatg gagatctgga aaatggagac ctggatgaag 180

aagtgggtca ttgggccagg tccttgggag tgtattatcc ttgacagctt cctgccacta 240

tatacacttt ctcatctgcc atttgtgaac atggctttcc tcattaagat agactgacta 300

tatcaaaact gaaccaaagg aaacctttc acttctcagn catgttanca attcggtaat 360

agtagtggaa aagtaattaa tacttttct ttgcctatga tgtcctgctc acagttgact 420

gaatgtggac cccaactggg atatatattc tcggcacctg gtatattgtc ctgata 476

<210> 3777
<211> 477
<212> DNA
<213> Mus musculus

<400> 3777
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cctctatgca attgacagag ataagtagta caatgggaaa gaacttcatg ccaggtggag 120

cagagccagt cagaacaatg ctaacacatc tacaggcagg gcccttcgtg taaaaggaag 180

caaaatcccc atcactttgc aagattagtt gccctgggtc accacttcag tgtaccagtc 240

cctggtgctc tctgaaaatt ctaccttccc aaagttacac tcttgccaac ctaatgcatc 300

ctcaaacagt aagttaaatt acttccaaat gcagagggac caagtcagcc ttcatttccc 360

acttcaaggt atataatggg tacagttaag ggacaggcat ctctattttc ctgctgaatc 420

tcaaaaatgt tgtagctctt ttgtctagct ccttagtacc aactccttca ttctgtc 477

<210> 3778
<211> 403
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttctcttgag gaaaccttgc ttggtcctcc ttcagacctc tgagtgggag tgggactgtc 120

tgtgactctc tgacaaaagt tttatcagtg tgtgccagga ggtgtcttag cagcaggtcc 180

catgttatgg aagatcaggg ccctgtgaac atgtcttccc tttccagaca cagtaaggtt 240

atctcaagcc agggtcttac acacatgtat atgtgcccca ccacacatac atgcccataa 300

acatacaagg cacacacaca cacaggcatg gacccagcca cgggaaggaa tgagatnaan 360

aagtccatgg ccagtgggga ggaatgacag aaaccccacc gta 403

<210> 3779
<211> 364
<212> DNA
<213> Mus musculus

<400> 3779
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taattctgat cagtctgcca ttctatgaca cctggaattg tccccttgcc acatttaata 120

ttctatcatt gttctgtaga ttttgattat tatgtggcag gatgatgttc ttttctggac 180

caaattggtg ttctaaaact ttgtatgttt atagatgtgg ggacgtggac tgtgctagga 240

aacttggtac agctgagtgg gttcagaatc ctcggcatcc agctgagaat agtaggtgtt 300

tcacctgctc ccaaccagtt tcctggcctg ggacatgtgg ttataacgcc ccacagaaag 360

aatg 364

<210> 3780

<211> 486
<212> DNA
<213> Mus musculus

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<222> (175)..(175)
<223> n is a, c, g, or t

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agaagccatg gagtaacgct gctgctcact gtctgtcctc ctcatggctt tctcaacctg 120

ctttcttata caactcagta agtactccct gcccaagtgg ggacagcacc catcntggat 180

cgttcccaca tcaatcctga accaagaaaa tgcgccacag atttgcctat aggtattttc 240

tcagctgagg ttccatctta ccaaatgtgg tttgaatgag ttgtccccca tgttcttggg 300

catttgaata tgtggtctgc agttggtggt gctcttgggg gcctctttag gaggtgtggc 360

ctcggtgaag gaggtgtggc ctcggtgaag gaggtgtggc ctcggtggag gaggtatgtc 420

gtggcagagg tgaactttga cgtctcaaaa gctcatgcct cgtttgcact ccttgtgggt 480

actgac 486

<210> 3781
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<400> 3781
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atatcatggt tgtgggtttg ccgtttattg ggtaaataaa ttatttttga catttattgt 120

tatttgtttg gagttttgtt ctgctatggg gtgtttgttt ttnagaaggg tctcaaaggg 180

tcagtgtaag ctgcctggat ttgctttgtg gctgagcttg gtcttgaact tactgcctcc 240

tcttccaggt gctgctgaca tttcaggcac atactaccat ctgtccttgc cattttcccc 300

cttttggcta ctagaaatct accttggaag tcttatacat acacacacat atatccacac 360

ctgcatgcac ata 373

<210> 3782
<211> 409
<212> DNA
<213> Mus musculus

<400> 3782
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gtgaatgcgg ttttgcttta atcctaggcg tgggataaga gactgcttcg cagcaggtga 120

ctatgatttg cctcatgctc tagcaagggt gtgcttttgc cagcagcagc tagttactat 180

aagtgtgtaa tgtttggaat tctggaaact tttcaagggg gtataaatgg cagagccctg 240

agcggggctg agctcactct gaggaggctg ttgctcccca ctgctgctgg ctcctgttgt 300

ggtggtttgt caagtggttg ggagcaaagt gaaaagaaga aattgtagat atccttacaa 360

tgacaaagac tgaacttacc ccaaggaact cgacacctta aatcagcag 409

<210> 3783
<211> 401
<212> DNA
<213> Mus musculus

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<222> (45)..(45)
<223> n is a, c, g, or t

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cgcggcgcgt cgggatacca ggtggccccc gtatttgtgt tctagcattt caatctgcag 120

cagggacaga gagaagggct cagttagggg aatggtggag gtagcgctga ttagaccagt 180

acagcccacc gtaagatcca ggttctgact cctcagtgca taagtgcaca gctttattgg 240

gagcctacat caaaagaccc caagcctgac atgcctgaga tgccaagtct ttggaaagac 300

tcctaggggc gagatggaag attccacgca ggatttgtga tgtcccctgt ggcggtagac 360

agaggcgtta ggatggaagt cccatttaga cagtgtcctg a 401

<210> 3784
<211> 465
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (162)..(162)
<223> n is a, c, g, or t

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gcagacatac gcatacacac acacacacac acncacnccn tcatacgcat acacacaaac 120

acacacacac catcattaaa aataaaataa atcttaaaaa anaaatccaa gaagataaga 180

atttgaagag ataaactggt tagtaggcca gaaaagactt gactccaatt gaataatggc 240

attgccacct ttaaagaaag agtgctgcca ctcttccagc cctggccagt tcagtaagtc 300

aacgtggata atcaggtgtg ctccacaggt ctatgtactg tgttaaaata gttatgtctg 360

tgggctggag agatggctca gtagtagttg agagcattgg ttgcttttcc agaggttctg 420

gattcaattc tcagcagcca catgtggctc acaatcatat ataac 465

<210> 3785
<211> 508
<212> DNA
<213> Mus musculus

<400> 3785
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tgggccaggc cggacctgcc ccccttggtt tcactcccca gagtcccagt tgcctttggg 120

atgacagtga ccccttctgc aggtttggcc ctttgttatt tgcacaggga tgtttctaag 180

aaacgcggag agtggtgctc ttggccgcaa gccagcaaag ccgacaggct gctgcagatt 240

tttaaaggca gtgtccacag tgacctgggg caaccaagag ggtgcatgct ccatctccac 300

atggacactt gctattctca actgaagctt caaaccctgg agtcccagag ggccacgggg 360

aaggatttcg ctgcctgaat ccttcttcct cctctggtct gacttctgga agccccactt 420

gcacctgttt cctgtctgtt ccctggcact gcctcgccct agaaaacctc tacggaactg 480

tgaatagcct gtgtgtagac catgagag 508

<210> 3786
<211> 381
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (187)..(187)
<223> n is a, c, g, or t

<220>
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<222> (322)..(322)
<223> n is a, c, g, or t

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cttgtatatc ttggaacttg tctccctcat ttgcagggct acctagcagg gcccccagag 120

aatggtgtcc tcatagcctc ctaccatttg ctcttctcat ctacccangg atgacatctg 180

ttttccncag accatggcag ggaacagggt gggatgtacc aactgagtat aaaaaagtgg 240

gtgggctcag gccttcctca gtcagcatgt ggagccgtgc aagtttcaga aaggcatttc 300

ttttggacac ctctactctc cnctaggaaa ctggcctctt tacaaccgga aaactggtgc 360

tagtttgaat gggcccactc a 381

<210> 3787
<211> 486
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttgcccaca tcttccatct caccggccaa aatggccaat ggcacagcag gtactaaggt 120

ggccctgagg aaaaccaaac aggcagctga gaaaatctca gctgacaaaa tcagcaaaga 180

ggccctgctg gagtgtgccg acctactgtc cagtgcaatc acggaacctg tgcccaacag 240

ccaactggtg gacactgggc accagctgct cgantactgc tcagggtatg tggacagcat 300

ccctcagact cgcaacaagt ttgccttccg agaggctgtg agcaaactgn aacttagctt 360

acaggagctg caggntgtct tccacagctg ctggtgtgcc tgggacaaac ccngtcctta 420

ataanttatt gtcgtgtgta caggaaatta gcgatntggt gcagaggtag ccatcgtcgg 480

ctgagt 486

<210> 3788
<211> 422
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (58)..(58)
<223> n is a, c, g, or t

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<222> (70)..(70)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (147)..(147)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agttccaccn gcattcagaa tgnttagaaa agctntaccc catagtcctt cctgtaatgg 120

atcttttaga catacttgnt ccattancnc tggtntggct ttcaaaccca tgaagtacat 180

gtgggnttga tgaagntagc taatggctgc tgtatttatg gncanttgac ctagnactag 240

ntanccagcc agtttaagca cttgccttct gagaatctag aattnatgca cataaaattc 300

tgatgccttt ctgaacactg atttagacaa tccctttgat tttaccatgc ttcatctntt 360

gagtttaagt tgtctttttt aggtgggcag gggcaccatc tgtcttccgt tacacttaca 420

ta 422

<210> 3789
<211> 264
<212> DNA
<213> Mus musculus

<400> 3789
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cagatcccgt ggagctggag ttacagactt acgtagaact ggcttgttaa tgttggtgct 120

aggatttgaa ctctggctgt cattatgcag ctggtgcttt taacacctaa gctgtctttt 180

gagcccttgt tttgttcttt gaggctgagg tttcactatg aagttccaga ctggcctcaa 240

tttggtgatt ttctgccttt gtct 264

<210> 3790
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<212> DNA
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<223> n is a, c, g, or t

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gcagtattgt tagcactgat acacaaccac cacttgcagt ttcccttatt tgcaagctga 120

aggtttgaat cagtgtgaat ggaacactat ccttggtgtg cctggcacca actccttcgg 180

aacaatgttt tggttnaatt acccttgtgg tagtttcaat aggnatggct ccccccagac 240

tcatgtgtgt gcatgcttgg cccataggga atgnaactat caagaggtgt ggccttgttg 300

ggggaaggct ttaaggtttt ataagtccaa gtctggccag tgtgtcataa tctctccttg 360

ctgcctgtgg atcaagatgt tgccctctct agcccggtgt ggtgacgcac 410

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<223> n is a, c, g, or t

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gtgttgttgt tgttgttgtt gttgttgcca ttgttgctgc tgctgcagat gatgatgatg 120

atgatgatga cgcttcactg tggatctgaa atcagttctc agggacttgt ggggaatata 180

ggcaggacag agccagagaa aagcacggta gaatagagct cagagatcct tnaatctctt 240

caccagcact tagcaagaga aatggctcct caaagnnnnc acattttnac tngtgtccca 300

aacattcagg aagaaaagga aatgtggtct agaatgaccc aaagattctc agcattccct 360

ggtaaatcag aaatgcataa ccatgtcccc nncctagctt caggatccac anctgngtca 420

tgggaaggac gatgtctgcc tgaacatcag ttgtgagaaa tggatgagat gacatctgga 480

gagtatttgg gtcattctag accacatttc ctttt 515

<210> 3792
<211> 255
<212> DNA
<213> Mus musculus

<400> 3792
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aggctttgta ggctaaggca agtagactag ggcttgcctg atgtgtctaa agcatttttg 120

tttaatccct agaaaacaga ctcatttctc accatctgtt tttccatgtt caagagaatg 180

tcaaggtttt atagtgctac tctataccgt ccccaatgag aagactgtaa aaaacattct 240

ctgattgtac aagga 255

<210> 3793
<211> 427
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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cccatttccc ctcaaactgt acattttgta tcttccctng ctcagcttgc tcctcttcat 120

tatagatttt cataagagtg aacattaata accacatgac agagtcaata ctaggttgtt 180

ctgagatttt tttttttctg ccaactttgt aattaatcca aaactcttca atttagcctc 240

aggcagactc tttggacaag agcaaaaagc agccatactc tttgccaaac tatcacaaga 300

acagtctctt ggccacatac gaaaattcta ctctgaaacc tcttgagctg gatccccaga 360

gttcaaatca ccttcagtac cactgtcttc catgttccta ctggtatggc tcattaagct 420

cctattt 427

<210> 3794
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atactatggc attctctctc taagacagcc antctcnata ntcngtgntc ntctaaggnc 180

ctaggaagnc atcagggaag agagagcaga aagatggtta aggaccagag gtagtgtttg 240

cctgctgtga aaatgtttgc tggacacgga nnggctgttg cnngnatgaa ctcgaagcag 300

ctacggctct gtgtttaaga cctgagtaag atcaagccag cccatatccc tgcctcaccc 360

cttgttccca tggataccaa agtctgggat gctcatgtcc atgcaaacag catatgcagt 420

ctttccacat naagctttgc tcttccgaca tacagttagg tcactctggg taacccataa 480

cccctgatac catatgaatg ct 502

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgcgctttga agaggtgtct gtgtgtggac acattcatga ttacggagag atagctttga 120

aattgatgta agatctncaa gtcagggata tggcccagga tcntgngtnt ctgntnctgn 180

tcnttnngcc nnttcatngc caggctttga agagaagnat ntagaatgct ttctgggcca 240

ggcagaggaa ggtgggagca atgagtttag gtttgcnctg ccaagttcct ccttcctcat 300

gggtcctttt ctctgc 316

<210> 3796
<211> 483
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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atggtttcgg atggaagcat ggaaatgtga aatggtaggc aggaccatgc atgggtgttt 120

ggaacttctc cgtccttccc tcggcccaca agaccttaca ccctgacaca tgccacagta 180

ggatgtacat gtcccttcag tgaagcaggc ttcagatcca caaccggaag tcttcaccaa 240

ggtcccacag aagtagaatt actgtactac ctcccattcg atttgtaaga atgtaagtag 300

gggcctagat tggnctctag gaaactggct atggcagagg agtccaagaa gagaaattgc 360

agagagtaaa aactatagcc tgggcatggt tagaatgatc tgatcacaga gcagatgagg 420

gtgtggttgt gggtgtctct acagtagcta tgactctacc agggatgtga taagcagctt 480

ttt 483

<210> 3797
<211> 402
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tatgtgccct gtccctccac tctcncctgc accatgcatc tcccttgggt acacatggct 120

ttggcattca ttggttaagc ttcatcccca cccaacccct cagcttggcg tagacggcag 180

gatgtttatg gttcaaaacg tatggcttca agttcctggc tggtgataca ggactttcaa 240

cagtaccgat aagcaggctg aatctcacgg gacagagcgg tgtgttgccc tcccntaggg 300

acgctgcatg actctcttgc tatgtgcccg actggctgtc acgtgcgtgt gatagccttg 360

cttntccatg tctttntgcc cactgtccgt gagttctgag ca 402

<210> 3798
<211> 413
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 3798
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nagtgntcac tgtctngnnt ctccgggccc cntgntccat tttatactgt gtgaagncct 120

ttcatgnaca aggagccagc actctgatga acccccttcca cagaacttna gacagtgtca 180

tggggtagtt tccaaccata gcctctctca tcacatggta atttctacag ctgtctccat 240

cacttacaac caattgggta gcattactaa aatcacagct cacacccaaa acagagaaac 300

acggggatgc aaaccaaact ttacgtttac acccaatctt aaaggtaaca acccaattcc 360

aactactata aagaaaaaaa gcattaccag ctgacaaatc tgcggcttgg ctt 413

<210> 3799
<211> 369
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (311)..(311)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctcgatatcg tcccaggtta gttaacactt tagaaagcct gctttncnaa gcagaagcaa 120

atttgaagaa gagtaagcct gggacncagc cttccancaa aggcagcttt tctctctnnt 180

tagttttcgc ataccatctt ttactagatg gtacaaccca cgcagctntg gaagactcca 240

ctgaacacca aatggagaat gagagcagaa aagtcttgag taatgtcatg gtgangtttt 300

ngtttnaggc ntcccgagag tatnttaaga attcatgggc agccctggcc cacacttgta 360

taatcactt 369

<210> 3800
<211> 430
<212> DNA
<213> Mus musculus

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<222> (54)..(55)
<223> n is a, c, g, or t

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ctaactagaa taattaaaat gtgttttatc cacctattgt cacattaatt actgtaggct 120

gctcacagct aacagatagg aaccccattt tctggggtgg ggtcctggct gcacctgcac 180

tttaagcccc attaaattga tcagagcagg aagttttccg cctctcctcc tcactgcttc 240

atccccacat gcttggccac acaggaaagt gtgttttact gccttgtgta aacctttatg 300

gttatttcat tgcagtgtat ttaaatataa ctaccatgtg ttttataggc tgatacttat 360

aatactatgt agtcaaagaa tgaatgtata agatgtacat cagaattctg acggtatcca 420

aggacagctt 430

<210> 3801
<211> 311
<212> DNA
<213> Mus musculus

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<222> (282)..(282)
<223> n is a, c, g, or t

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attgttgtaa acaaacaagt taagggcaag attcttgcca agagaattaa tgtgcgtatt 120

gagcacatta agcactctaa gagccgagat agcttcctga aacgtgtgaa ggaaaatgat 180

cagaaaaaga aagaagccaa agagaaaggt acctgggttc aactaaagcg ccagcctgct 240

ccacccagag aagcacactt tgtgagaacc aatgggaagg ancctgagct gctggaacct 300

attccctatg a 311

<210> 3802
<211> 391
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctntggaaag gtcattcacc cctccaaggg ggtcgggacc acaggttgag naacacagct 120

ctgcgtgata cgcagtgtga acagcctggg ngaatgctgt gtgcctgaga tgttttacag 180

ttagggatta caaatctaag ggagtacctt taaattttgt ttgtttgttt gtttgttttt 240

aagtgatgga tgtcttttaa actaagtaat gttttgggaa gcacccgtgt gtctactttc 300

caggttaggc aggctgctgt cacacattta ggcatggatg gatgctgaaa ataactgtca 360

tccagggaac cagagcccct gtgtgctttt c 391

<210> 3803
<211> 381
<212> DNA
<213> Mus musculus

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<222> (290)..(290)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcctccttga ttaaagtagc cgtccttgac aaacctcctg ttgtaaagat tgttnnattt 120

tcataatctt ctgtcgtcac ctgtccgtgg atgtccgatg taaatataag ccttaaattt 180

gcagtatctg gcaaggtgcc atctggccca ttattttcat ttccctggtt ttcttgggat 240

tcgtcccctt ctttgccctc ttccttatta tcttcctgnn ntgtntntgn tgntgaagct 300

tgcccttcag cagcagaaac aacagaaggc tgccctgtaa gcaacgcaaa gntaaccgcc 360

atcactacaa atatcttcca t 381

<210> 3804
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agntgggccn tggtgcagtt cagtgggcct tagttttccc tgggatgtat ctctttcacc 120

tgcatggttt ccagntggga aantagcttg cagtttgggc aggaagagat agcttcatca 180

anagacagtg gcttcccatt agataagatt 210

<210> 3805
<211> 337
<212> DNA
<213> Mus musculus

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<222> (226)..(226)
<223> n is a, c, g, or t

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tccagctgcc cggtgctgcg tgtgcgaaag gcgcggaagt cccaggcgcg cggcccgatc 120

tcaggatcct cagccgccgc ctcctcggcc tcctcctcca gccgcccggg cgcctccggg 180

gagcgcgcgg gccggggccg ccgagtagga cgcggagccg gagcgnccag ctgctccttc 240

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<210> 3806
<211> 259
<212> DNA

<213> Mus musculus

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<222> (216)..(216)
<223> n is a, c, g, or t

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aggagctntg cttaaancta ccgccttcat cttccaggtt tcaaaggctt ccaancgtac 120

ccttccctat ttccattgtg cagtgttcca gttcccaacc tgctctcaac actttgccat 180

ancagagata acagagataa cgntgcctcc ctaggnataa cgaactgaga acacacagca 240

ggctcctact ctatcttgg 259

<210> 3807
<211> 186

<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (136)..(136)
<223> n is a, c, g, or t

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atctanccat aggaccttcc catgattatt taacacatga agattttatg taattccagc 120

tccaggagtg ctcatntccg tccttccttt tgctgagtca ctgctattat actcattgtg 180

ttgtgg 186

<210> 3808
<211> 154
<212> DNA
<213> Mus musculus

<400> 3808
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gatgtccttt tcttctcctg taatgacaag ttctgggtct gtttctgagt cctttacatc 120

atttgttttg ggctcttcta caaaaagatc gtca 154

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cctcaattct ctcaccaaga ggcatcagcg ggantgatca aaagacccgc ttacatttat 120

ctttaattgt cagcaagtca ttgccttttt aaccataaac attagcatgt gcctggagcg 180

gttagaatat tccatgagta aagattccgt atanggggaa actaagagag accagaaatg 240

ttcagccatt tgtaaggaag tcccaa 266

<210> 3810
<211> 47
<212> DNA
<213> Mus musculus

<400> 3810
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<210> 3811
<211> 129
<212> DNA
<213> Mus musculus

<400> 3811
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aatacctcag ggacacaggc agctcaggta aaatgccgtt tatccaacag gcttaaccaa 120

tcttcaatt 129

<210> 3812
<211> 463

<212> DNA
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<223> n is a, c, g, or t

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<222> (272)..(272)
<223> n is a, c, g, or t

<220>
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<222> (304)..(304)
<223> n is a, c, g, or t

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tttctgcaac tggaataatc ttaaattatc cattctgaca ccagagactc agcactttca 120

ggcaaggctc catgtgcata tattctgggc tggggagatg gaacccattt gagaagaaac 180

tatttcagca tcacagaaag caaagacaat gatgattagc aacacctttt cctcctgact 240

gaactgcggg caagccattt cccaccctgg cntgcccttc agagagaaaa ccagccgaat 300

acgntggggt gaatccgcag tcccagttat tgaaagtctg aggcaggagg atcatgattt 360

catggccaac ttgggctcta aaggaagaga agaaacccaa gttggcacgt agcctacaga 420

gctggtctca gtggacgcat ctcagttcta tcttctagcc tag 463

<210> 3813
<211> 523
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ggtggaaatg gttttcagtt cctttgagtg aatgtggaan gaacacactt gtttgtatgg 120

naagnagtat ttttagtgtt gtgagaaata tccagactgg cttccaaagt atggggccca 180

ttcttgagcc atgctgaaat ggtgttttgt tgttgtttca tttttgtttt tgtcattgaa 240

atctatctgt tcatttttaa ttatgcagaa aacaactggc ttttgcatat tagccttgaa 300

ttttgtaact cttccacgga catttaatag cttcatgagg ttttcttttg atgaattttt 360

aaacttctct gaacttttgt ttttatttta gccagtctgc tggtgattcc taaatgatta 420

gatgctcact gtcaggatct taatttaact attaaaacag gtttgctact aaacagatgc 480

ctgtgtggtt tgaatgtgaa tgctccctat acaggactgt cca 523

<210> 3814
<211> 306
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agtggaagac tccagaaaca aaccgcgcat ggctttgaat ttgtgtgttt tgagtagctc 120

agtagtggag actcacccag cgtgcttgag tcccatgttc agaccccaga actgttcttc 180

cnggccctaa gatagtagca cgatgaagtt ttacctcttc ctgnnttaca cataggtcat 240

cgtcttgctt ggcgtatccc tctgtatacg ctacccccctc attagtcacg taggacagct 300

gcctgt 306

<210> 3815
<211> 531
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<400> 3815
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tccgccccaa aactaagttt aaaagtttac tcagggtgct gaggttaaac ggctttatct 120

tggttcacan ttggtggaga agctaaactt tngccaaggc ancagtatct tttattttgt 180

gttngttttt cttttgagac aaagtctcac cttgtagcca atactggcct tgaatttact 240

gtgtaaccca acctggcctt gagtttggat acttttcctg actgaagcct tcagagtgct 300

ggaattatat gcatatgcca ccatacccaa ctttcaagtc agaaacctaa aattttagtt 360

tcgcccccac cccatccccc aaacaaaagt gggtatagat gcaggtgtat aaatacttgg 420

ctaccagctt gtttgcattt gtatatacat tataattctg tactaggatt ttatataact 480

tgagtactgg ataatattct cactagttcc tgtcacttat gaactgttta g 531

<210> 3816
<211> 411
<212> DNA
<213> Mus musculus

<400> 3816
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tttgctcaat tggaaacagg aagctgtaat tacttactac acaagtgcca aattggtatg 120

ctaatttggc ttattcctta aaatatactg ctaatcacaa tccttgtgtc ttcacaggta 180

tgggaggagc tgccatcgcc ccaccgacgt ctcttgtaga gaaagacaaa gagtgtatgt 240

gcctcgcttt cttttattac ctattctcac acaggtattt gtggacagtg aagatcctaa 300

gcttgactct cttgtgtcct gagtttagag cagaatagcc tggttttcat ccctgaagtc 360

acagtggcct tgcttcctgc tatacctggg atgctttgac agggctacac a 411

<210> 3817
<211> 548
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (54)..(54)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acnntcnact cctcttcatt nccatatgnc angantactn ccataatgaa ctcaatcatt 120

agcagtgatc atngaaagna aggcctctgc gcaatggtaa cacataatct agtagatgag 180

actggtatta aaaataaata atataacata tatcagaata aaagattaac tattaaagtg 240

gggcnannaa aagggaggag ggtatatggt gatgtttcat gatggaggtc aagaaaggtc 300

ttgaagagca tttgatattt aactagatgt gtgggtnaaa gcctcacaaa atgatccata 360

agagaaggca gttctacata gaagaggaaa gtgcaaagaa ttgttgaatt tttaaaagtc 420

aagttgtttt cctagctgaa gtagaatgag caagaggaaa gcagaagctg acatgagaaa 480

gggacagaat tcagcacaga tgcctgggct gcatcgtact catgacagaa taaccaggac 540

aggtgcct 548

<210> 3818
<211> 517
<212> DNA
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<223> n is a, c, g, or t

<220>

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<222> (324)..(324)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tatagactat agaatatatg tatagactat agaatatata tagatatgta tatatagaat 120

atatatatag aacatatata tagattatat atatctcagt taaattacta tgacagatat 180

ctcattaaaa taaaacaaag actagatcat cacacatcaa aagattacat atctaagaag 240

aaaatagaat aagaacccgc atgcccatgt taagtactac tagctcaaat tatggtttct 300

atatnacatg ttctatggtc catnaanaca agtagaccag taagacccac cattacatac 360

tgctttccta ttccacagtn atattcatct acaataaaat gtcagttgcc taccggggga 420

gatatgtgtt taggttgtgc ttgtcatgct ttccacaatg aactaagaaa gagtttgctg 480

ttgttgtatg ttgtctcact agtgtctgga taaccta 517

<210> 3819
<211> 495
<212> DNA
<213> Mus musculus

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<222> (183)..(183)
<223> n is a, c, g, or t

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<222> (199)..(199)
<223> n is a, c, g, or t

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<222> (202)..(202)
<223> n is a, c, g, or t

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<222> (215)..(215)
<223> n is a, c, g, or t

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<222> (265)..(265)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acacacacac acacacacac acacatatac acacacatac acacacacac acacacacac 120

acaaagaaat gaataaatgt actaaaggtg tttaaatgtc ttttcctgga ccctctattt 180

ttntcactaa ggttctgtna tngaacaact ttgtnggtca ttcaagcaaa taaaatcttc 240

attttgtgct cagctatttg gctanactca caggcagatt ttgatatgaa ttgtcctgta 300

catttgtgat ttctctcttn tgtttttttat ccaagaaaag gtacattttt tgtacattta 360

ctgaaatatt caaaaataaa tttgtgctca gctttgtctt tcacaaaacc aaaccctaac 420

accacaaatt gatcccacct tttctggtct ctgtgggtta ttcaaatagc cttcttctaa 480

ggctttgttt gggca 495

<210> 3820
<211> 418
<212> DNA
<213> Mus musculus

<400> 3820
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taaaccccct tgagcttgag ttgcaattgg ggaggccccc gacttaggct ctgtgcatta 120

aacttaggtg ctctgcaaga gcagcacgcg ctcttaacca tggacccatc tccccatccc 180

ctgtgtgatg ttttgttttg tattttaaag acagggtttc acagcctgct tgcctccact 240

tccagataag tcctggatct ataagtgccc ccacacccag ctccagtttc agatttaatt 300

tgcttaaagt aaatgtttca gataatgtca ttgacaagaa aacgagccag tctcgggact 360

ctttttcact gcggttagcc agctcttggc ttagaaacct tacaatcgct gggcagtg 418

<210> 3821
<211> 474
<212> DNA

<213> Mus musculus

<400> 3821
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tttccccaac cttttgatgc atcccgtctg gaagaatggc tcagtgatgt ggtccgggct 120

gcctacatgc agaggctcaa cgagcacctg gaggttggaa ttcccctgcc taagattctc 180

aatgtcaact ttgccaattc agtggtcgat atcattgaga atgcagttgt gctcacagtg 240

gctccgtgag gcggtatggc tgctgctctc cctgttcact acagagtcct atctgtctgc 300

ccactctgcc tcagtttccc tcccagtctt aagcctgcat tggtgacagt ataagtgccc 360

cttgcccacc cgggcccacc ttgccctctg ttcctgtgat catgcctgtt ttggggtggg 420

gatggctgga tagccactga tctgcttcag aaagcacata gcaccttggt tcaa 474

<210> 3822
<211> 515
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (284)..(284)
<223> n is a, c, g, or t

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<222> (305)..(305)
<223> n is a, c, g, or t

<220>
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<222> (403)..(403)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taccatgggc ttattttcag gcttttgagt tttacttaca attgagctgg gtttgtatgt 120

tatatgaatt gtgcctgctt tctccatgtg tctagaggaa gagccatcta cttaaaggcc 180

acaggggcaa gctggctgtg cgctggctgt gctcaggctg tacatttgaa attctgaaaa 240

caaagcattt ttcataattt tctcccagtt cactggtgna actnaccctt ctgtgatttg 300

gattnagctt gactagagga gaaatcatta ttccaacggt gaagtactcc cgtggcatct 360

aaacccagaa gagaattagg aaaatggctt taattacatg ctngtctgtt tgacaggcag 420

taaggaaagg ggagttctnc ctttgaaaag tgaaagaggg tctgtttgga ggaggggact 480

gtcaatacaa ttccatgcat ccctattgag agtta 515

<210> 3823
<211> 531
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (120)..(120)
<223> n is a, c, g, or t

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<222> (124)..(124)
<223> n is a, c, g, or t

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<222> (143)..(143)
<223> n is a, c, g, or t

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<222> (150)..(151)
<223> n is a, c, g, or t

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<222> (184)..(184)
<223> n is a, c, g, or t

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<222> (188)..(188)
<223> n is a, c, g, or t

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ggaataaagg ctgtaatggc caaaataaat ttatacaaca ggtcactggt taagatngcn 120

gccnttggat atctgaggca gcnaaagaan ncaataaatg tgagtgttgt gtgaattgct 180

aggntagnct atttatgaca agaagctact ttctgtaatt ctttacaatt gacctggggc 240

ctaaggcatg cactttcacc catagcgagt aaagtgttgc ccctgcacct ccttaaaatt 300

ccccatccct taagaccttc cagccctcac tgtccagctc agctctgtta cctatgctat 360

atgatatggg tcactctttc tctggaaagg gaggcttggt taacctgtga cccacataca 420

tggtacggtt acttgtctac ctgaagtcag ctggccattt agggtctagc aatctgaaaa 480

atctatctct gggaagcaag gcttccctgt tatgccaggt ggtcccacaa a 531

<210> 3824
<211> 437
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctgagtttca gaacagctag ggctgtgtct gaaaaaaaaa tcacacattt ggtttggtta 120

tgtgaaaagg agactagcaa gtatttgttt tgagactggg tctcattgta tattccaggc 180

tancctagaa nncacagtgt agttgaggct agcccnaatt tgatgncaat cttnaggcct 240

tancctctgg naggactgcg attacagtgt gagccactag actggctggt tattaagttt 300

agagatttca tgctgaagaa aggtctgttg gtgcatacct ccaacatgtg tgtcatatgg 360

aaggccagtg aggaagtgac acttgcccat ctattaaaat ttaaattgtc ttgtgggtcc 420

tcattatctt ttggttt 437

<210> 3825
<211> 545
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (368)..(369)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctagacgctg acctccttgt tcactagcac aggtagagct ggtcttaggg agggtgtgaa 120

actgaatctg tgggtggatt tagnattaga gtcggggaaa cttngggccc atgtaccaca 180

tgtgcatggt tatggatttt ggtaagtaaa tgntttagtg gaatatcgtc atgctcantc 240

atttatattt tagtttttg agaccaactc tcatgtagnc ccaggctggt ctcaaactca 300

tgctgtaccc aaggctggcc tttgcctcct gactctcctg tctttgnttc tcagctgtta 360

ggattatnng catgcggcac catgccagcc tacatgttat gtatggctgc cctttcactg 420

ctgtggtgga gttaagtagg cctgatagcc tgtgtgntct gcagaggctg aagtatttac 480

agacaagttt gccagtcctc tagcggtgtc cctgatctat gtaagatcgc ttggattggc 540

aatga 545

<210> 3826
<211> 502
<212> DNA
<213> Mus musculus

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<222> (120)..(120)
<223> n is a, c, g, or t

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<222> (140)..(140)
<223> n is a, c, g, or t

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<222> (323)..(323)
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<222> (391)..(391)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agtgcaatta tccttacggn atcctgaccc aagaggctca cccttgaaag cctgggggtg 180

ggggttagaa cccggggtct gaatgccagg aaagctcccc atggttctga catcttgttg 240

ctttagatgg ggactttcag ataattctct tagcttgatg ctgagtagga tgaggctatg 300

ctgatggtct ctgtcaggag cgnaaaagag aaatggagga accgaggcag gtatcttaag 360

gagtctgggt ccaaggagct gaggancctt nacctggaag gggtacntct ctcaggtttg 420

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gaaaacaaaa tgcccagtgt ttggccctgg gccactacaa atctcagagt gttaataaac 120

caatattggg gccacacnga tgagaaagca ttgnattcag taaatacttc anggancata 180

antgtgttna aatccaagga atctgccacg aaggtctgat angacctcta gtctgctaat 240

gtcaacagag tcccttggtt acttcctgcc tgtaatgagc tcagctccgt gataaaatga 300

gtccatcctg tcccgggaca tgaagtcccc acgagaggcc agcatctcac agactaaatg 360

tggatggtct ccacctttct ttttcaaaca aacatccaag ttagataggt gtggatacaa 420

cagaagaaat taccttggg tgtggagcct ctgaatagca aagtaaagta acagaggaag 480

gaattctatg gcttctactc aaggaatctg tgagaaaggc tagaatccct cttggctt 538

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<213> Mus musculus

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gctgtaatgg catacaacta aagaaactta tgaattaaaa aacaagcact gtttctactc 180

taaaaacttt cagtggaaaa gctgcctgct gctgtaacca acagaggctc agtggttcag 240

gactagcact gaaccacaat gctcttagct ttagaaacta aaatgtaagt caaaagttgt 300

caacacccaa atgagaccca cagttgattg tatg 334

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gaataagact taacttggtg gtgactgcaa gtgtgcagga ngnngaggca naangaacac 120

ancttttang ncagcctggg ctatgagagc ttggccctac agttncccna gngtgtagta 180

catacatatg tgcatattac atgcttttaa ttaggaaatg ttttaatatt cnagataata 240

cacatataaa tacaaagaat naaatataaa anaanantaa actaaatcta aanagaaggg 300

tgggaaggca ggctcgttgg ttttgagtat gcactgctct agcagaaggt ttgagtttgg 360

ttcttagnat ctacactggg tncctcacag ctncctgctt gtaactccac ttgcaaggga 420

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gtgaactact ctaatacagg agtagtcact tgtgagaatc ccaattcatg gctgngacct 120

ccctttttcan aagctggctg tttgagtgtg tcctccacct acattttacc tctctaaatc 180

caaagagaat ttggcagaaa caagggccac aatttgcgaa aaccaaaagg ctgtggagtg 240

tccctgatct ggctgaatct cttggctggg taggtgganc gaggagcaga acaaatagtg 300

aaaaaaactg tgcaaccaag ttctcatata t   331

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tgcccaactt tgtcaggaac tcanggatac actanggnca atnaggcagc ccnagagcct 180

ctcttttgct acacgtatat gnncacaaat gtggtgnagt gctgtgtcta tggcaagaga 240

gnccagactt tgtttttgct ggcggtgaac atggattcag aacttctgca tgtgaataaa 300

tgacagtctt gagacacatc tctcatctgg ggtgctcaga gactgacttc aggcaatgta 360

cagatacttg gaaaggaaag gatgtgcaat aattgggatc ttggaggcta agcttgacat 420

ggggagcaga cttgtggact gancaaaggc anacttggat gnttnttgaa ttgactctgc 480

caggacagat taactagatc ctttgtcatg gacttgtaaa ctttttgtt 529

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<212> DNA
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tgttgttttc tcaggtatca agatgctggg acacatcctg agctccactt aggggtatgt 120

gaaggcagtg ctcagtcttc tacagacaca gtgtgaaagg aataaacact cgtgtttgta 180

acacatgcaa tgggatatta gcattcttaa aggaaagcga cattctggac agatacctct 240

gtgggtaaaa tgcttgccaa gcaagcgtgt agacttgtct ttgtatgtcc agcactcata 300

caatagcatg tgtggataca gtatgcttgg aactcccatt gctcaggggg cagagacaag 360

caaattactg gtacttgtgg gtcagccaat caggccagtg tggcctagtt tcagtgagag 420

accttgtttc aatgtataga caggagaaaa cacccagcat ttacctctcg cctgcatccg 480

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ctatggtaaa gataacaaat gtgttgnnct tancaagtga aggaataggg ctgatgagat 180

ggctcagcgg gtaagagcac tgactgctct tctaaaggtc ctgagttcaa atcccagtaa 240

caacatgatg gctcacagct acccgtaatg agatctgacg ccctcttctg gtgtntctgn 300

agacagcnac agtgtanttn ngtataatan ataaataaat aaataaatnt ttaananacn 360

aaaacaacna caacaacana aaacaagtga aggnatagag gtntcttcag ccantnacct 420

ggatttcatn acaaaaaaca gtttaaataa aataggctgc tccttcttaa agttttc 477

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tatactgctg ccttctccca agtgangaag ccttgcttct tatgtttagt gttgttttgt 120

tttcttctta gtgaaaaatt tcacatctag ctatttctaa aaaagtgtat ttcttttgtt 180

taagcttcac taaattataa cacattgtat gtccctgtga gacgtttttg tttaacaata 240

cattactaag attcatcctt actgcagtgt gaagtaactc acagcttcaa atgctacaac 300

aataatagac cagttaatgg acacgacnta agttttcaaa gactttnctg atntgatcgt 360

nggtattgta atgttgtnca gtctctcctt gtccatgcat acntttctct nggctatana 420

tctaggagta agaagtgtag atagtagtgt acgtcagtgt tctctgcttc aggacatgag 480

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gcaggcatcg tttctaacac tgt 563

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taaggttgtg gcttaacagt ggagtgcttg cacgggtctg aggccctagg tgtaatcccc 180

tttactacat gtaggaagac aggcaatcac gtcataggcg gttaaggaga agctcttcat 240

gtgctggtct ttgacagctt gtctatctcc cagtgcttga cagttgtggt agcaaccatg 300

cagccggcag gcattcaagc atgcagacac agtgttccat ccantccttg ttcagncctc 360

agatntcaag acccttanct cagagtgtta gagttcttgt ntaantcant attccatagc 420

atttgatact anccagtgtt ncagcttttn tcttagggtg tctgataatg ttgattttaa 480

tganttcatg gtttccagga gctcttctag cgnacagagc ccgtagttcc tcctatctgt 540

ctccttatta gtcttttatc cct 563

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atggggaagg taaaggccaa accaagtacg aacccctttga tctatcatga tggctttcta 120

gcaagattaa gattttgagt tgttcaatca ccctgccctg ttatagaaaa caacttatcc 180

aaagccactc accanctant tggnagctca gtcaggangn anctgagaat ccttttgnta 240

cttcaattan tnttctngat atactacctc agttttatta agtgtggaaa ggtgnnaatg 300

agtaattaaa cttttantcc catccaaata aatgcgtttg actacancag catgttcaca 360

atgtggcagc ttcaca 376

<210> 3837
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acttcctccg actcgagaac ctgccctttt ggatgaggct ctcactgtgt agcctgactg 180

gcctgacgtg gacttgtgtc tgccctgctt ctttctgcct gccagctgtt gggattacac 240

gtgttttact atcacgtttg actttacata tgggctttaa aaccaagttt tcatgggcag 300

aaagaagaaa tgaaagcata gtgacaggga aancacagag ttttgggtgt catntagctn 360

tgaaanggtg nccactntac tgtgtatagg gttccataaa tgctaggccc cacaggatag 420

tgtggaggca gagctttacc agacagcatt tgtaaaggga ctctgaacta tctggcttct 480

gttcctttct gtgcattgct tttctgatac taggagaaaa agacttcact ttgatgcttg 540

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<212> DNA
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aggtccattg atgtggacct tagcaagtta cctgccccaa acacaggtat atggggagct 120

actaacgaag tcatctccat gttagttgct ctcccnccac tacccttggg ccagagagac 180

caaagccatt gcacccagct gtgccagctg gtgacaacgg agaaagagca agcggtagta 240

ctccgtgtgg gcaaaanatg cagacgccct gagcaggtgg gccaggctca gccctggtgg 300

gtgttgctgg agaggggggct aggtacggtg aggactctgc ctgcgggggc ggagggcgcg 360

gatgtgggaa agcagactct gcccgcagtt gcctgggccg ccgcgcctga ccgccgagct 420

gcgctcgcct gctccccgcc ctctgggacc gtgntgaagc tctgttcccc atactgagc 479

<210> 3839
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcacanaaac agcggnnaag gtctgtacaa cctgatcttt gaggtccacc tttgagaagt 120

cacctgtcct gtaggcagaa ctggggtgag ggggccgtgt ctttccctga actgcaagca 180

gtcccaagct tgctttttga aaggagaatt gacacttggt tggactgctt tgcacagtcc 240

ttttcagagc ccaatcttag gtctgcagag atcctcttcc tctgtgcaca ccccagcact 300

tccctttta aaagtcacca gtggcttctt gcttggaaaa tcagaggagg ccttacggtc 360

tagt 364

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<223> n is a, c, g, or t

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aaagattggc atcggaaatc taaggaggca gacaggcagt atgacatccc cccacagcac 120

agattgccca agcagcccaa agatggcttc ctggtggagc aggtgttcag ccctcatcct 180

taccccacct ccctcaaggg ccacatgaag agcaaccccc tgtatacaga catgcggctg 240

actgaactag ctgaggtgaa gcggggccag ccttcttgga ccatagagga tatgctcgga 300

actccggtga caaaggcaag ctgacagctc tggacctgca gcacgtggga taagcntgtt 360

tatgggagcc aagctatgga ttatgtttcc atacggagcc acc 403

<210> 3841
<211> 85
<212> DNA
<213> Mus musculus

<400> 3841
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gatggtcttc tttacttcaa gatag 85

<210> 3842
<211> 483
<212> DNA

<213> Mus musculus

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atgcggcgcg ttatgtgcca ctggatcgca tcctggtgga aacggattca ccttaccttg 120

cacccgtacc gcaccgtggt aaggaaaacc aaccggcaat gacgcgcgat gtagcggaat 180

acatggcggt actgaaaggt gtttcacttg aggagttagc cgttgcgacg actaaaaact 240

tcgccacgtt gttccatatt cctgactccc gcctgcaatc cgcctgataa ntctaactta 300

ttttaaagct cgtaattaat aatcgaagcg agtaaagtgc accgccacaa aacaggcggt 360

gtacgcnatt tttgtaacat acagaancgc attttgtaaa tttatgaaag tttttcntat 420

ggctattaga gaaannntgat agccgtnaaa caaactttcg tcgatttatt ttactctgcg 480

taa 483

<210> 3843
<211> 406
<212> DNA
<213> Mus musculus

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<222> (37)..(37)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gggcagctcc cgactacaca gatgcagagc tcacacctgt attcactcag gtcaacacaa 120

cagctagaca agggtacagg tacacaccca cacccacaca tcccccacac ccacacacat 180

gcacacccac acacccgcaa acacaggcac gcacgcgcac acgggtgcac acacacacac 240

acacacacac acacttccac agactcagaa tacagatgct tgtttagaca cataaagaca 300

caaggacaga ggcactcatt tgcacatggg catacagaca gcaacagcta taaaagatga 360

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<210> 3844
<211> 461
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agttcccagt tggctgctgt gcctgctcta tgtgattcag acttccagcc agaccccacc 120

ccacaggata aaggcctccc agtcttgagg tctcccttcc ttgcctcctc cttccctcct 180

gtctctgttt ctnnnnnncc atccctttca ttctctccca tnccntccct tctcctttcc 240

ttctgtcccc ataccaactg ctaaataccg tgttnaaggn ccagtgagat ggctcaggga 300

ggcaaaggga cttacacagg cctggcagtt ngagntttaa tctccagaac tatgtaaagg 360

aaggaaccaa cttcgtgaac ttttcaactg atatatatgt atatcatgca cacatgcata 420

ttttttttc aaatcagaaa ttgtgttaaa gccaggcgtg g   461

<210> 3845
<211> 284
<212> DNA
<213> Mus musculus

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<222> (43)..(43)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ntgacatgag agcacaggga tgcntntgtg ncacgtgggg agtccttgat gagctcctgc 120

acatgcaggc agtgcctcct acagtatggt ttcctgcact ggcagggcag cgcctccgac 180

agtgtggctt ctcagttgtg caggacgatg ggctattccc ttacttgagt gatggatcat 240

ggtctgtctg ttccatagat agacatagag taagccaggc agtg 284

<210> 3846
<211> 525
<212> DNA
<213> Mus musculus

<400> 3846
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ctccatcact gagctatacc tccagctcta acataattaa ttttgtaggt gaagggagaa 120

agcaattaag tgatttatga aataaaataa caggtaagag gctgattgtt cagtgggtac 180

aagtgcttgg ctctgcaagc acaagggcct gagttcaaat cccaaacacc cctatggaaa 240

tgcaggcatg tctgtgtgtg cacttggcag taatgagagg cagatgctga aagttcagtg 300

gccagccagc ctagccaaaa tggtgaactt acggttctat gagagactga gcctttggtt 360

ccatgagaaa ccccatctca aggtgtgtaa gtcagagaat gatagaggta gctctccctt 420

tcactctcct gctctggaca cacgcacaca aaaacatacc cgtgaagatt tttttgttgt 480

ggttcataag catgatgatt gagtatttgc atcgcatgtg cttcc 525

<210> 3847
<211> 484
<212> DNA
<213> Mus musculus

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<222> (213)..(214)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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actaaaacac tcacgtcttt ctgtgctgga tgctggaaca gagaactaac tatgagtaga 120

aggagcagag aaagcggtga cacctgagac tggaggctaa cagaggcagg caaacgggct 180

ttaacagctt ggagagttca ccacgttcct cgnnggcaac ctttaccgga ntttattgga 240

ctccntttca caacggcttt gaatcatanc agcattacnt ggnatactga gtctgtnccc 300

aacactcaat ggaggnaaac tttcaaatgc cnaactccat gcacatggtg agttttcaga 360

taggatcatg ggtggcagaa gaggcagtgt caggcataca agcagccaca catacaagca 420

tatatgacta acctacatat ttgtgatagg catatgtcag accagccagc attctcagat 480

agta 484

<210> 3848
<211> 526
<212> DNA
<213> Mus musculus

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gcacgtgaag ttgtgatcaa caatgtacaa cgtgttatct acgactcaaa ggcaaaaatg 120

ctcctaatgt tttcagcaac tttatgattt tgtattattt tttaagggca gtcctttaaa 180

ggaagcatca ttttagtgct aggcagattg taaagatgaa gagaccttct ctgctagcag 240

aaataaagag ctgcaccatt gggcaaaata ttgagttgat aagctgttgg tattttacag 300

tttagttttt tttcctgaaa gcaactctga tgtagatttt caaagttaaa cttttaaaac 360

acctggaacc agtggttttg aagtcattaa tccctttctg ttctgtgctt ttgaaggtaa 420

atcttttccc tacttcatgg gtaccttacc ctgagctgtg cttgtgtgtt cagtgagtga 480

tggcaggcag tacatgtcac ccccttttca gggagcatct ttaaat 526

<210> 3849
<211> 533
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (226)..(227)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttcatggat aggcacaaac tctcagttac tcagtcaagt ttctcatccc tcccagctga 120

caaccttgta agatttgtac tgacaatttn ctttgcagtt catacangnc ttttnaactc 180

ttgagattga tgccntgccn tgctgtacta agagggcaat attttnnaat cttatttacc 240

accnaaaatg tgcattctac atacnaagat aacattaacc tctttatcca caacccgcat 300

gcatatggct gttctcttgc cctacagttt aatcaggaga tggagtaacc tgagcatttt 360

gtcttctcat acgaaatagc acaggtattt cttcatcgga acgtaaattc cttaattcag 420

ctataagcat gtgtgggaat tggatgctct gcataaaatt ggtttatgta aagctatcag 480

tgagcaatat tcactcaata catattctat gcatcatgtc agctttcttc ttg 533

<210> 3850
<211> 417
<212> DNA
<213> Mus musculus

<400> 3850
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aagtctctct ctcagcctct gcttaaagga gagtgaaaaa tccctctcta cttcaccaga 120

taacttttct gagtggggag cattgttaga gtgagttgta aataagaatg tggctcaaat 180

gtggggtgct gttctgatgc cccacaggct tctgcttatc tgctagaggc tgggataagg 240

atgccctagg aagtttatta ttgatgcaga agttatattc cccatctctg gaaacttaac 300

ccatcagagg acagaaagtg atagtgaaaa aagaggggag gggtgggaga gggagctctg 360

ctttgatttg ccctaaggaa aaacatgtag taaatcagga tatgctcagg ctgggca 417

<210> 3851
<211> 541
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (214)..(214)
<223> n is a, c, g, or t

<400> 3851
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agacctagat tttngngcan gtattttctn caagccaccc acgtgatttc aggttcccan 120

ttcntttang acattcagat ttacatctgn aggacccnag aacctgccat acatatccnt 180

ctattanctg acatctccgt ttgtcagnat cttnggcacc tcagatctaa tctgcccaat 240

gcaaatcttt tgccccttcc ctgtccccag ctccctacat caacctttcc atggagcact 300

gacacgtaag aaaaattcaa ccatatgatc tagaaatatc caagtcaaac tcagtctttt 360

cctcacccac tgtcttagtt acgtttttat gactatgaaa agatgctatg tacaaagaaa 420

cttctggaag aaataattta ttgggggctc acagtttcag agaatgaatc catgagcgtc 480

ttttttattt ttaacttttt attgattctt taagaatttc aaatcataca acccaatccc 540

a 541

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 3852
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atgctaggaa tccacatggt gtaaatggag gacagattcc tgaccaattg tcttcctggg 120

tgccatggca tctcngtnca acatataaac aatcnaataa atgnnagaag aaannttcaa 180

attnttctct ggagagntaa aaaatacctt gagnaancta tgactgaaaa tatctgatcc 240

agatctggtg nagggtggcg catgcctttt gttccagcac ttgggagaca gaggcaggca 300

gatgtctgaa ttacaggcca gcctggtcta cagagtggat tcctggacag ccagagctac 360

ntagacgaaa ccctgtcttg aaaaaccaaa agaaaagaca agacaagaaa atatccaaat 420

tagagtttag gatcctccca attattaatg catgtattat taatgcatgt ttttatttct 480

tatgctcacc tggaatatgc tgttgtatgc ctttaggac 519

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<211> 499
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (175)..(175)
<223> n is a, c, g, or t

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<222> (214)..(214)
<223> n is a, c, g, or t

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<222> (360)..(360)
<223> n is a, c, g, or t

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agatgnaacc taggncctca gatnttctag gaagngttcc acnaccaagc tgcatcccac 120

cccagtaaca tattgtttgg ttggttgttt tgagtcagag tctccttatg taacnctggc 180

tgtcttagaa ctctctgtgt agaccaacct agtntcgaac ccacagagat ccttctgagt 240

gttggaagta catgtttctt gatttctaaa gctgtacagt gatcccctcc tgtattccag 300

agaagatgtt attagtcagt tggcctttac cgtaacaaat acctgggcca acaggttaan 360

tcatcagata aaggtgcctg ctggcaagcc taaggaccta agtttgattc ccagaaccca 420

cacaatagaa agagagaata gaccccaagc aagtgtcctc tggcctccac atacaaggta 480

accgcctgat acacaaaat 499

<210> 3854
<211> 378
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (58)..(58)
<223> n is a, c, g, or t

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gggcagaaaa gtctggagag cttcctctgc agatgttgat gtgctggcga tactctaaaa 120

cagcatctgg catggtggtg catgtctggt tccagccctg gggaagctaa ggcagaggat 180

cagaagtgta aagccagcct gagctgcatg cgatcctata agaagcacac taacgtactg 240

ttaggctagg agtgtggctc atatcagata gagcacttct ctagtatttg tgaagtcctg 300

ggttcaaggg caggtatgat ggcgcatgcc tttaatttca gcactcagat tcaaggtcag 360

tctagactac tacaggat 378

<210> 3855
<211> 439
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (257)..(257)
<223> n is a, c, g, or t

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caatatcact gcaggtcccn aaggaatggg cagccttgga tnagggatga aatcacttgg 120

aagtgagctg aaatctcatg ccctttaag agctaactta agcgataaat ctgccctggt 180

atctcctgtt tccaggaagg tacatgttac ggtcaagatg ccatttttta gaaaaggttg 240

agggcaggta ggtaccncta gccgcgactg cccacccctc tgtcagagga ggcctccaag 300

cttggctggt agctcaaagc acaccgtgct cgcagccctt cagcactcat ggcctcctcc 360

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<210> 3856
<211> 351
<212> DNA
<213> Mus musculus

<220>
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<222> (120)..(120)
<223> n is a, c, g, or t

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ctcggagttc atgctgcctg tggagaggag ccgttcctgc ctgctaatga gagcaaatgn 120

acacttccta ctgagacctg ctgcttataa agttagattc atgtacactt tgaacacaca 180

cacacacaca cacacacaca cacacacaca cccttaccgt agagtagtaa caaaactgtc 240

ctgcccagct cattacacag gtgtaggtac ctccccctgc cctagctttc ccctgcgccc 300

cagctgtgga tctgaattct aggctagctt tcacaaccat cttacatgac g 351

<210> 3857
<211> 138
<212> DNA
<213> Mus musculus

<400> 3857
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ttgccaaagt gatcagctca cgacagagga ccagctgctg ggtgctgttc tgcagacacg 120

tgacttctgt ttcctgtg 138

<210> 3858
<211> 442
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (183)..(183)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (239)..(240)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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gccagttcta actcatcctt tgtctaagcc atagtaggtg aagacctcta attaaatgga 120

ctgcataata atcgaaacat agaaagcatg caagactata nttttcagaa tttcaaaggg 180

nanagatant tggccatccc agcttcatca nccatgaatg tttgcncaaa tcatgntgnn 240

cttntatntg ggaacattta cctttgatag tgacctgtga tattganaat taatcattct 300

tggtagaata aaaagtgcag aaatggattt aagagtagtt atttcaagtt ggatttgttt 360

taagcttaac tagaataaac attaaaaagt tttctaatca ttctttgttc tgtaattagg 420

agagtaagct ttatacacta at 442

<210> 3859
<211> 371
<212> DNA
<213> Mus musculus

<220>
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<222> (209)..(209)
<223> n is a, c, g, or t

<220>
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<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<400> 3859
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ggtgcttgca tccttgatgc tcagggtaaa tggaggaaga gtgtagttaa ggcctctgct 120

ctggatcata ggagtcacct tccctgcagc agcctcgact cactcagctc tgtagtttct 180

cagtgtttgg tacatagatt tccgtggana gtnccttctc ggaacttcct ggctttttct 240

gtaaggggcc caatagtaaa aagtattgcc aatgaaattc tgaaaagtat ttagnggata 300

catgagagaa gcaatctcca cagatttctt atcgatagag tttataaatc aaactcagtg 360

tctgcagatg a 371

<210> 3860
<211> 488

<212> DNA
<213> Mus musculus

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<222> (190)..(190)
<223> n is a, c, g, or t

<220>
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<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<400> 3860
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catgcttctc ctttgttctc taccctctca gcctagacgg aactgaagaa aagtctaggt 120

gagctaagag tgagtttctg gggtcaatgc ctggtgagcc tttgactgtg attcactgtt 180

tccttgtttn acacacttcc actagctggt gcagatgaat gaccnaaggc agtggggacc 240

aaggaattgt agagnagcca atttgcnaag gatgctgggg aagccnagac cctcagatac 300

tgaatcagag tcaggtagag ttcagaaacc aagtagtgtg aaagatgtgt gcaggtatgt 360

caagaaagcc caggtgtcaa taggcactga caaacaatct gttgctgcga gttcactaag 420

aatgggtggt tggcatggcc acttcctagg gaggtcatct gaggttcttt gaaccttgcc 480

tgcagaaa 488

<210> 3861
<211> 492
<212> DNA
<213> Mus musculus

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caccctgctt gctttataga acccaagacc actcactctc ccaggaatgg cactacccac 120

agagggtttg gctcttccac atcaatcact aattaagaaa ataccctaca ggcttgcctg 180

ctcacagtcc actcttatgg agacattatg tcaattaagg tttcctcctc agatgactgt 240

taacttgtat caagttgaca taaaatttgc taacacgtcc attaaattta aattagatac 300

taagggaagg aaagagtatt gggtgcaggc tccaggtctg tatgtcactc tcacctaaat 360

acaggtgcca atcccattct atgctgacca tattctacgg cagaagcccc gtgacacttc 420

tctgggcttt cagaggaacc tttgcctctg tgtccgcctt gctgcacact ctgcagggct 480

ctttttctaa at 492

<210> 3862
<211> 537
<212> DNA
<213> Mus musculus

<400> 3862
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gcagtcagct cagctgcacc tatgcctcca gagccagctc ggctgcctag ttaatgcaca 120

ggtcccactg tcccaagcct gtgaggggct gggcctgctc tcccacgtgc tatagctagt 180

gagaggccag ggatagctct ctcccttagg ccagctctcc tgaccactgc aggagattgg 240

ggggggggtg agagggcatc acccctgtac ccatgccacc tcatggcaaa cgagtagtgg 300

gcctgctctc ctatgccttt tgggaaggct caccctgtgc cccctccacc agggccagct 360

ctgctgtgct gcccaggtga ggtgcagggc ctgctttccc aagtgctgca gcaggcaagt 420

aacaagggcc agctctttgc ctttcaggac cccacggcct gttttcccaa ctgccaccaa 480

ttgggggggct ccccccccca aaattatgtt gagtaaaagc tagtaccttc tccttgt 537

<210> 3863
<211> 501
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<400> 3863
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ctgttcagac ttgaactatt gtgtgtgggt gtgcctttgg gactcaggga ctaggatttt 120

gttcttattg aaaagctaat cccattctgg cctctgagct cagttggatc aatctctcca 180

ctcactacag ttccntggcc cctgactcgg tgcctggcag gcagtgtatg gtcttggcta 240

agggtgccgg ggggttctag gttctgacca ttctgggtta gactatggct ctactacatc 300

tgagagtgta gatactcagc gttcacacct aaacctataa aatggaggca actgatcaat 360

gaactcacag actcactggg aaaatgagca aggccgcatg agaagtgtgt ccaattctgt 420

ctcataatga acaggtcttt gtgagctgta tgatagtaaa cttacagaga caaccagctc 480

tgaagtgaat ggttgccctg t 501

<210> 3864
<211> 507
<212> DNA
<213> Mus musculus

<220>
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<222> (92)..(92)
<223> n is a, c, g, or t

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<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<400> 3864
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ggcatacatc ctacagctgt gccacattat ancccttntgg gggtcactat ntaaactatt 120

aaatcctaca ggaggaggga atgacatggg agggggggaga gaaagagaca gacagacaca 180

gacacagaga cagacagaga gttgaacatt ccaagcacct ggcgcagggc cagctgcctg 240

tgccactcac tgctaagacg aataagagct tgaactggga ttaattcaca tgagttgcag 300

agcatactaa tttatatgcc ccgcctcggt ttgccatctg tgggaaccca cgcgctgaga 360

gtggaaaaag actgacccct cttacgtgtt ggacagtgtc tttagaaaga gaggatgctg 420

tgatgaggat ggagagctgg ccagcaggag gctggtgggc ttcactcact tcttgcaaag 480

cctttctgat ctgctctcat tctgaat 507

<210> 3865
<211> 356
<212> DNA
<213> Mus musculus

<400> 3865
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cgaagtgtca gggtcaaagc cagctctcta cagcatccag acgggctctc agctctgtga 120

aaaaggtgtt tccactcttg aagcaaagtg ttgatgcgcc tcactaaagg attcaagatc 180

gttcctagca tgtggggaca gatagtgaca ccagagaggg agatacctcc gcctgggtgt 240

ctaagatgag atttgatctt gcccaggaaa atggtggctc tcttaatatg agcaaaatga 300

aatggtggcg ccccctagtg gtagtgaatg gtaggtcggc ccaccttgag aaaaat 356

<210> 3866
<211> 531
<212> DNA
<213> Mus musculus

<400> 3866
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tgaatccagg ctctctgcaa gagcagtggg tgcttttaac tattaagcca tctccccaac 120

caccactcaa aattatttat ttctatttta tgtgtaaaaa gtgttttaac tgcatgtatg 180

tctgtgtatc acgtgtgctt ggtgcctaaa gagacagaag tggtaatgaa tcccccggaa 240

caggagttac aagcagtttt gaaccaccat atgtgtgctc agaagcaagc cagacctgca 300

agagcaacaa atgcttttag ctactgagac atctcttgaa cccctgaaga gtccatgttt 360

ttgtttttga cctgaaactc actatgtaga ccaggctggc cttgaactcc tagggaccca 420

cctgcctctg cttcctctgt gctgggagga gaggtggttc cgtgttttga aggactcagg 480

atgcatcagc agaacctgtg catattgttc tgtgtgtgct ctatgtgtac a 531

<210> 3867
<211> 367
<212> DNA
<213> Mus musculus

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<222> (104)..(104)
<223> n is a, c, g, or t

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cttccctctc tcctgcaacc ctggggtgct agcaaggtag ctcntggggg atcccaggtc 120

gggggctgcc ccttcacccc ctgcagcgtg ggtcagaggc ttatgctcac gcggggccgt 180

gtggaaagcg tcccagaagc cccccaacgc ctgcgtccgc ctggctgaac attaggcccc 240

ttttccttcc cgacttttcc ccagggtctc cccaggaccc ccctttattt tgttcccaac 300

acttgcttta agtcttgtac tcacgcagca ctctaaattc aagcccaccc tgatctataa 360

caggttt 367

<210> 3868
<211> 467
<212> DNA
<213> Mus musculus

<400> 3868
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cagggtcaag atcccaggtc ctagagtcag cctgctggtt atatcacaag caccattacc 120

tacttgtatt gtgacagtag gcgtgttttg aagcctcctg ggtttgcttc cttctctatg 180

ggtcggcaca gagaagctgt gagggttagg cataggtaca tggtacgtgc ataggtacta 240

tggtcattat tttgtattat gtcagtatcc ataggaaaag tgcctggaac aaagtgggta 300

gcctcacaga tccaatgtag tgttgctatc atcggggccc tgtacttggt gtggctcata 360

acataagaaa caccatgatg tgttttgacc tgcatccttg aatgagaaga gctttgtatt 420

atgaaaacat ttctggcccc atggaatggc gtgtgccttt gatccca 467

<210> 3869
<211> 283
<212> DNA
<213> Mus musculus

<400> 3869
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acagtataaa tgaagtttc agtactgaag atgaaattgg gccttgtgag aactgtattc 120

acaaggtatt cacccaaccc aatgccattt gagattctat gacctgtggc ccgattgctc 180

tgtaggaagt cgcaatgtga aggaaggggg cacatggcta gagttgtggt aacgccattt 240

agaaaggaga tttgcttctt tctcccaact tttgacatta agg 283

<210> 3870
<211> 565
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

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<222> (232)..(232)
<223> n is a, c, g, or t

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<222> (266)..(266)
<223> n is a, c, g, or t

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<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (519)..(519)
<223> n is a, c, g, or t

<400> 3870
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tggctggcca gggagcccca gaatcccacc ttccaagcat gtggagctca acattcagct 120

ttttttttt tttttaaaca taggattaaa ctcaagtccc tgtacttgga actttactaa 180

taagttctct ctccagcccc ctgtcttatt tctcaaggac ttgtcattng gnacatcatg 240

ctctggtggg ctaagtccta cttccntgca gtaacnactg ccttgggact taccaagatt 300

gnactaattc accccaagat tcaggttaag gcccatcctt gcaataatga agctgagtta 360

cttccccggt acacagggct actataaata gctcaagagt ggaaagcctg cttggcataa 420

atcatatctt ttataatatt caaatttgta tcattaatac aatttcatat ttgcatctgt 480

gtgacgtggg taagccatga ccagagtcat gctgccgana cgcatatcag tccactccac 540

tgactggtgc cagctgtact tctct 565

<210> 3871
<211> 463
<212> DNA
<213> Mus musculus

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<222> (249)..(249)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (261)..(262)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

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tccattggca ggtctctatt gactgtaagg atctctcttc aggactttgg gcttttattt 120

ctggccaacc tttcctgtag acaaactgag ccagaagtct gacaaggaga gtgggccttt 180

ccaatgacct caaagtgaag ctgtggcata acacaggact ggtgttggct gtgcaggcta 240

tcctttatnc aagggcacca nnttgnaaag tgagtctcca acctccccga gatgcatctt 300

ggcctggcat gcagttgcat gaccacagac aggggantnt ctttctattg ccctcaaggc 360

ccctttganc gaacacccac cctggaattt ctgccgtgta gactggttct ctaggatgct 420

cttgcgttca cctttcctct tccagcccat caacatttat ttt 463

<210> 3872
<211> 556
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (127)..(127)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (131)..(131)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (192)..(192)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (450)..(450)
<223> n is a, c, g, or t

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<222> (452)..(452)
<223> n is a, c, g, or t

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<222> (460)..(460)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (514)..(514)
<223> n is a, c, g, or t

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tgctgtgtag acagtatcta ccattgttcc taggctgctg ctatgtagac agtatctacc 120

attgncncna ngnnnntgcn nngnannnnn nntcaggacn ctctggaaga nacngnacan 180

gtnctctgac cntctgannc catctctcca gccntncaga gnaacnctta tnaaggcaaa 240

catttcantg ggnccgactt gcagttangg aaatttagtc cattatcatg gtgagaagca 300

tgctgcatga agntagactc catgctggag gagctgagaa ttctacatct tgatcagaag 360

gcagcaagga agagattgga tgtgtttcac actgggccta gcttgagcat ttaagacctc 420

aaagccccac ntccacagtg acacacttcn tntaagaagn ccacacctcc tccaataagg 480

ccacacttcc tatggcctct tcaaaccacc acanggggat ctgagacctt ggggattcac 540

attactcaga gagaca 556

<210> 3873
<211> 461
<212> DNA
<213> Mus musculus

<400> 3873
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aggaacatgc attatatgtg accggattgt caaataaaat gtaatataaa aagaagcttg 120

agaaatcagc atggaaataa ataaaaagaa ccacaaaagg gaggttcttg tatagattag 180

atccactaca ctgccctggt cacccagctg tgcttattag aagacctagc acaaggtctt 240

tatcaaatgc ttctgatcat agaattctaa tgacatcacc ctggaggaaa ggcagggcat 300

attttcctgc taaaattgca ttgaaaatca gccttccaag caagttctgg ggtccacagt 360

acagcaaagg agtattgtta aactctactg aggacctgac aatagctaag ataccagata 420

tgaagaattt ccctgcacac gtgtacactc agatcattaa t 461

<210> 3874
<211> 444
<212> DNA
<213> Mus musculus

<220>
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<222> (297)..(297)
<223> n is a, c, g, or t

<220>
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<222> (316)..(316)
<223> n is a, c, g, or t

<220>
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<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 3874
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gctcatctgt ttaatcctta tgttttagtc aacctttctt attatgcaga cagggctctg 120

aggctctgct ggattttgac tctgggaatg aattgatggg gctctttgat cttagctgtg 180

tattgcatcc gttttatctt tcttcttaat gcagccttcc aaaccccaat tctagctggc 240

attcctcaaa catatccata attacacaaa caaacaaaca aaaccttgcc tctgacnact 300

cagattaaaa acctcnttct ttgccctntg nggcatantg agctttntta ggaaagaggg 360

gaaaaagtaa tctaattcac tactctggac aagactagaa gatctgagag gatttaggta 420

ccaactggca tgtatgtatc tcaa 444

<210> 3875
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<400> 3875
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agcacctggg aggcagcagg cagacctgag agatgatgag aggaaaggca gaaggcacag 120

atgctcaatt tgagagcagc agggagagct gaagggcttg tcacacgtca aggactaatg 180

ggaacaaaga gctgcaagga gacatgaagg gattcactgc tctggcctct ttgtacatgn 240

actcccaaga tggagtgacc catgggtact gtttgagaca ggacttatcc atcaaatatc 300

catctaggcg gggacttgag ccttaatagg ataagtcgga ggaaactaaa gtaagagaag 360

gctcaggtca acacggggca ggagaaaaga gccagcagaa gaaaacgatt gtaaaaaata 420

atcctttaat tttagaatgt gagctgccat tgttgacatg acactgaaac agctgaagag 480

ccctgtgagc ttacaaaggc tatttgaccc cgt 513

<210> 3876
<211> 477
<212> DNA
<213> Mus musculus

<400> 3876
gaatacactt cctatacttc tgtaagcttt ttaataacta tgaaagcctg taattcttgt 60

gaacagagcg tattataagt atgctatctc aaacacacag acgcagcttg aaaatatact 120

tcagcagcac tgcatttttt tgcatgtgct tttgaagcag caaattctca atctcccagc 180

aggagactgt ttaactgcac tgcttgtcaa tctaagccag ttttcttaga caaggaaaga 240

atgctttctc tttagctaac gtgtgcaatg tgacaccagt gtcttgtgtt tggcatttc 300

catggacacc aaatggcagg atgctcctca atgttctaat cggctttctt gtcagccctt 360

cagcttcttt tatcctcttc caagttcttt tctctagagt ctgaagcaga cctacaggtc 420

aggtgggact ttagtgtgac agctgggcat tcttcctagg acagacccag catggat 477

<210> 3877
<211> 506
<212> DNA
<213> Mus musculus

<400> 3877
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gtaaattcct ggtgaagacc tggagtcaac tggaggtcgg gaggcgggtt ctttggggca 120

gctgagtcac tgcaggttct ttgtgttagg cttggggaca gtccccaggg gctggttctc 180

tccttccatt ctgggtccca gagaccagct cagctcagcc caggccacca gcgttggcag 240

ccaagcacct ttacccttg agacatctca ccagccctca ttttggcttt tttggttggc 300

ttttgttttg ttttgactgg gcctcactgt agctgagact catgatacag accgggatca 360

cctgatatgt gtgtggcacg tgcctgactc cttagtttgc tttgaattga gattcttatt 420

ccgatgtagt tgatcctcgt ctttgctggt tctgtatttg caaatttgat ctgtaactaa 480

cattgctttt gtggttgttc tcatac 506

<210> 3878
<211> 426
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<400> 3878
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gctcttagcc tcagagcagt ttctctaacc ccctttattc tttatagtta actcttttaa 120

ataaatnaaa agatggctga gccagtttta gaagntgnac catcacttaa tnggnaattn 180

cncaaaanta tcaatggcta atcangntgg ngnaaaaaca aacgnaacna acnaaacaac 240

tcaaaacctt aattattacc aatgaacttg aaatgatcaa ttaaacaaaa tcacagtttt 300

ctaagtctag aaatatgttg agacatcttt gaaaacattt ataccagtgt gtttatacag 360

gtattttatc atagaaagaa atgggtaaga tgtagagatg ttcccagaga tggaacacga 420

tgttgt 426

<210> 3879
<211> 546
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (70)..(71)
<223> n is a, c, g, or t

<400> 3879
catctgattt cctaccaatg tctttgactt aattcattaa tgcaaaaatt tggtgtgtgg 60

caagacactn nacggtgtcc aagagggcaa ggctgtgccc tgtagagaac ccttaaatag 120

gctttccact cagctcttcc ctttctctcg gaggagcatg gagtaacaca gcttatcagt 180

cttctcatat ttggcatctt tatattagtt ttcttttctt tactcttgat tcagtgatat 240

ttgtaatgat aatttaatgg aaaaatacat gtggatatat gagaatgtta gggtgacatt 300

atttaatagg aagcgaggaa cagctaagtg aagaagagcc actctcataa ttctacgctg 360

ctgtgctgag atgaaattag agccacccca ttgtatgctg ctgagccctt tgccatcatg 420

tctcagtggc agcaaagatg cagtatcctc tcctggaacg acttggagat gcaagtctca 480

ccttcaaggt ggcttttcct tcgttttaac gccgtgatct tctgtgacaa tactttccta 540

gggaat 546

<210> 3880
<211> 546
<212> DNA
<213> Mus musculus

<400> 3880
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ggaactgcgc agtctttcaa gtggcagagg caaatccacc agagcagtga cagtggtgaa 120

gccatggtca ctcaagtggc agcaatcaat acaacagcaa tgacagtggc agaaacagca 180

acttccagag acagggcctt agacacccaa gcttgggagc cagtaccatt gagtgctgtc 240

aagaataggc aaatctctgg accctagacc tgggagctat accacgagag ctgttattag 300

gtaccaggga tgccccagtg ccctaggcct ggaagctact atgctagcat aagctgggtc 360

attctgacac ccaggaccac ataagtgctg taacaatttt gttaagggtc ccttatacca 420

gtggcctgca atggagtggt aacatctgtc attgtaaggc taagcgtcct ggtacctcgg 480

gcctacacca ggagctacaa tactggtgtc atcggtcatt ccatcctgtt tatggccact 540

gtgcta 546

<210> 3881
<211> 381
<212> DNA
<213> Mus musculus

<400> 3881
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tttctgcaac tctgctttat ttttattttt gttccttaga ctagataatc ccaatatacc 120

taccttcatg ttggctactt tttttctgct tttttgaatc tcctaggaaa cacctctaat 180

gaatgtttta taatccccac tttgcccttc ctcttgtgtt aggaagagga tctagagccc 240

tagtcattgg agacaagaac tctcgctgag tcataaatct agcctcatcc ccactcctat 300

ccttgtgtgt ttgtgtgtgt gtgtgtttgt tttgagaccg tgtttcacat gtagccttgc 360

tgtcccagaa ctctttatat a 381

<210> 3882
<211> 487
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<400> 3882
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cacaaggtat atgctccata tttaccaaca atctttctta tcagagtcca cacttacatc 120

cttctctaaa acctgagaac ctttacttct acacatctca aggcccctgt caccccagc 180

ctataactca gcattattac atccttcttt catctctggg ccattcccaa tttttggatg 240

aggtagtgtg tgcgttggtc catgataact attggcagag gcgtttgatg ctgaataaat 300

tccagccata aataataata ttatctctca catggagaag ccacaaaacc tcacaaaatc 360

cctgtgccga ataaaacttt gctgatttat tgtaggaaat ataccaaata tgaaattcag 420

ttttaactgg gagaaataaa aaatgaaaat actgagttgg atggtgcctt gatccaacta 480

tttgaag 487

<210> 3883
<211> 545
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

<400> 3883
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cattgacatc tagagttaag ccagtgagct ggttcagggg taaaggcact tgtcacacga 120

ggctgacagc cgagtctgct ttgcatccgc atgagggctg aaggagagaa cccgcccctt 180

ggagttgtcc tctgacctgc acacgtgctg aggagtgagc ctccccccaca cctcacatac 240

acattaataa tcatgttttt agtaaaaaat cctgtagaat tgtagtcagg gtgtgnttgc 300

tngtgtngga ggctgaaaca ggagggttgc cacaantttg aggctagcct gggcagcatg 360

gttagttcca agccanccta ggtttcagtg ggagaccctn tctcacagaa gctgggacag 420

ttgagggaaa acttctcatt gttttcatgt ttaagcaata tcatgcttct aagtgnccaa 480

attacaaaaa gaatgcagac tcgtctcagc tggggatggg tggagctcag tggtgtagta 540

catgc 545

<210> 3884
<211> 518
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (477)..(477)
<223> n is a, c, g, or t

<400> 3884
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cctaagtggg gaattccttg gactgactgt atgcttggta aaccttgata tttaacatat 120

agcattgagg tataaaagaa tatgaacttg tgactttctg gggagggtaa tctccaccag 180

gtttaatgat ttctgggtat gggtgttttg cctgtgtgta tatctgtgta ccacaagggt 240

actgtgctct ccggggccag aggagggttt cagatcctct ggaactagag atacaggggg 300

tagagagccn acatatgggt ngangaatgg aatttagntt cttaaccctt gaaccatctt 360

tccngcctaa ggaggtcatt ttcaattata aagtcatctn tactgtaaac atctccaaag 420

aaccagtttt tnccctgctt ttccatgtta gctattttaa taagactttc aattttntct 480

tttaacataa atatattcca gtcacttcct cgaagcaa 518

<210> 3885
<211> 213
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<400> 3885
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attgcttcat aggtcaaaat tcattccaca tgccctcaag gaggttttag gaccttgatg 120

taatgtcacc caaaagcaaa actacaagag aactatagcc tntgagttgc actggacttt 180

agaagtaggc atttcactca tcaaattggg tca 213

<210> 3886
<211> 550
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<400> 3886
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tggttagggt gctgtttggg taggatgggg acatgatttt tagaaatgtt gaaagctcat 120

cagtatgtta attacctatg tcaagaagga gtagcaataa actacatgtc cccatagatt 180

ttagtgaggt tgacagactt tttctaaaat accaaggcag tatttcccag gtcattgtgg 240

aatgttttac aagcttatgt acaaataagt ttctgaatga ttttgtgata ttaataggat 300

tggnttcaat taaacctttt actaccttct gnnctntctt taattcctnt gatagccctc 360

canaaatggc ttgtataaaa ttaagatacc cactgagggt gaattctgag ttggactaat 420

gcttccagtt gtgaattaga agaacctgtt cttccacaag acaagtaggt tgacttacaa 480

gttatctgca tagctgcaca gctgtatagc tgatacttct gtgtatatac ctatgatatt 540

ttctgggcac 550

<210> 3887
<211> 429
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<400> 3887
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ttgtatggag ctttagtttc ttctgcttgt agtttcttca gggtttttag catgaagatg 120

ttgccttttc tgtatctctt atgaccatgt aacttctatc cttgagtctg tttatgtgct 180

atattacatt tattgatttg tatatgttat accattcttg catgcctgga aggaaaccaa 240

gatgacagtg gtatctcttt ttggtggggg ttatggggat gaagacagga tcttaatgtg 300

tatccctggt tgtcctggaa ctcatnatgt agaccagact ggactcacag agatcnacct 360

gcctctncct cccaantgct gggattaaaa gtgtgtacca ctatgctcag tttacagtgg 420

catctttta 429

<210> 3888
<211> 461
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<400> 3888
agttactatt gatggctgtg agctaccatg tgagtgctgg gaaccgaacc catgtaatac 60

taactttatg actaagctct gcaacagctt ctactcagtg aatctattgg agatgtacct 120

gcttctgcct ccctagagtc aggattaaag ctgtgcncca ccatgtctgg cttcctgtca 180

tgtacaaatt aatatccaaa ttactttccc tcttaggctt ttgttaacca agtgattatt 240

atttagcagc agtacttcta aaaaagttca gcagggaggt ttggaattat tgtaaaaatt 300

tgactgtggg gctggttagg agcacgacta ctcttccaga ggacccaagt ttggttctca 360

actcccacat gatggctggt ggctcacagg tatctgtagt ttcaattcca ggaggtctag 420

agcactcacc tgggctgtac aagtactacc cgcacctgtt a 461

<210> 3889
<211> 522
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<400> 3889
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agccttttca gtaatggatg tgtgagatag cagttgacca aagggtattc tgagtggaaa 120

tgtttggagc ctctgacaga ctttcaggga tgtaaactgt gtgggtgccc ttaaatcctc 180

aagggagaag aatttgtttt gcagcaaccc attatctagc aaaaagcgct gtcctaggaa 240

acaggagtac tactttctgg agttattcct tccaccagct tgngcatnnt ccctnnttct 300

ccccattngt ggataggaat taagtttgnc acagaatttn aaatagtcga gggaagttac 360

agcactttga agaagtagaa cacagcacat tgtgtntccc atntgaggac ancctgagac 420

cctgtgtcaa aaacaaagaa caaaaccaaa ccaaaccaaa caacaacaac aaaaaaaacc 480

actgtagggt ctgaagagta aatttctctg catcagtgac ca   522

<210> 3890
<211> 508
<212> DNA
<213> Mus musculus

<400> 3890
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tgctttaatc cccaaatgtg cccttgtctt caccccttggc agaagatttt ttgccttctc 120

agtaactgaa tttatagagc ctcaagtgaa taacttcagt tttgctttta aaatgtgtct 180

gtttcggtct cactaggggc gaagttggtg tccatgttgt ctttctcatc ttgacattat 240

cactgacaaa cctccttcga ctgtattttc atcagccctc atctctcagc ctctcacgtc 300

acctctctgt gttccctcga aaggttcatg tcttgaatcc ttggccctgg gcgtgtcata 360

tggacaggag acctttatga ggtagaacct actgggaagt aattaagtta ttagagatgc 420

cctcttcaca ggagataagg tatgttcaga atggtgtggc catatgcagg atgctatctg 480

taaaagggct ttctgcattt cttatggg 508

<210> 3891
<211> 497
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<400> 3891
ggacaaaggt ctccaacaat tttgagaaaa ggaattaaag tgtgctgtta gtgtatgaga 60

gctgtttttg tagttggaca gacagggctt ggtggattac taaatttgtc ttagtagcta 120

gatgggttat ataatataaa tgataagatc agtcacataa acttagactg tgtgagttct 180

cagaataacc taaggaagtt acagttaggt tgaacttgat actgaataat ctgttagttt 240

atagtaaagt gagtacagac agtgacatta attcatttgt catcagttta atcaaagcaa 300

atttattttt atctttctct agttggaaga tgctggctca agtagtttag ataatctact 360

gagtagatat atctcaggca gtcatctacc ccntcagcct acaagtacca tgaatccttc 420

cccaggaccc tntgcgttat cacctggatc ttcaggtaaa acaagcaggg atattgcttc 480

attgctttta acccttt 497

<210> 3892
<211> 521
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<400> 3892
gtttgtcaaa ggtggcatag cttttgtggg ggtgttgttn ggnaggtatt ttccttttt 60

gttttgtttt tgttattgtt tnnagggaag ggtgttgttt tggtttgttt gggattttgt 120

gagtttttgg tttgttgtct tccccccccag acagttccct ctatctagct ctggctgtcc 180

tggaactcan gaagaccagg ctgtcctcac actcacagat ctgtcagcct ccagctctga 240

ttaaaggagt gtgcagtgac acctggctta cggtggcgta ccttttagtg tccacatgct 300

gtgtctgcct aaaacctgta ggaagcactt gctctcacct cttccttgac tggggctgaa 360

gagagaactc agtggttcaa agcatttatt gctcttgtag aagacctgag ttcagttccc 420

agcatccaca tgatggctca caactcccat aacctcatcc cataattcca gttctaaggg 480

atggtccacc tcttctgacc tcttgcgggt actaggcacg a 521

<210> 3893
<211> 432
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<400> 3893
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agataaagtc accaaagaaa catggattca ctcttccatg ctctgggtga cagaatatgc 120

gtatgtgaca tgaaagccaa agcatcccta aaccagagcg atctgtgttc tctgcaggtg 180

aagctttact gggcaattta ctgaggctgc gcctcaaaat gaacagaaac tganctacat 240

cttaatgaca gatcacttgc ttaacatgat gntcttgggt ttcatcccta gtctgaaaaa 300

atacccatcc tggaactctc tagcatccca aatagaccaa gacagcctca tttttatgtc 360

ttcatcctga ncacgttgag tacctgccac agcttgtgag gctcttggta tgagccctga 420

ggtcatggcc tg 432

<210> 3894
<211> 355
<212> DNA
<213> Mus musculus

<400> 3894
aatttctgag taatcctgtg cctgcttcag ccctttcaaa cagcagcgtg actgcctttt 60

taagaatgca gcgacacatc tcagctttgc tcgccttact ttctgctcta tctcctgatg 120

caattatctc cacatggtct caaatcttcc aagatcatgc ccgtatggga gacaaaagaa 180

ggcagatcct gtgttgataa agggcacttg gagttcccca aacacccagt ttccaggcat 240

gtggaggatt cagtattctg tcattgcttt ttctcggatg cccactgaga gccagaggaa 300

gcctcgctga caccctgagg tgtgtggagg tgtaatttac tggtgcccag ggcct 355

<210> 3895
<211> 420
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<400> 3895
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tttgctcatt tcaggttact aacagtgact ttaagctttt cctgtcagtg gttgctaggt 120

tagtgggact cacctgtaaa gtgttctttt caatttcgag ggcaagcagg tatgtaactt 180

tgcacatgtt gtgggaggaa tatgattttt cccagccgta cactcacaaa caagacaagg 240

aagtctctat cgatggaaga gaggttttcc ctatacgaca ggagcaggag ggaaccacgg 300

tggggttttg aggcttttga ggaagcgcat tgctctgcag aaatgcacca tctgccatcc 360

caggatggag aagcacccgc tgtgtgggga gctaagatgc ttctattaac ctttgtcctg 420

<210> 3896
<211> 564
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<400> 3896
aatggtgcca tgtgaagccc ttgttcttgg ttctaaccta gtaaggatta ttagacacag 60

aaatattctt tttagtagta taaaaaaaat agaaagaatc tgtaagttac atgtgtagaa 120

tgctggtagc tgcctgtaca aaagcttgac catagggaaa gagccagggc tgagaagtat 180

agaatatact aggaagcaac agntgtactg gggcaggaag gagnaaggca caggaaagcc 240

aacaagtggg ttctctgcac tccacaatgc tagagctgat tatgaagcac agtctcccaa 300

aaggcaggag gcaaatactt gctaaagcac attgtatctc aggaccacag tagattgtgc 360

tctggttatc accctgtggt caaaggaagc agtagactgc agtttcggaa aaagaaaaat 420

agcagggtac tatatgaaat gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgttaat 480

gtttcttcaa aacatcatga gagctcaact cctcaaagat tgaattagtt ccaaggtcat 540

tgggctactt gtttaattgc tcag 564

<210> 3897
<211> 522
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<400> 3897
tactcttgag taccccaaat ttgtggaatg acagttctct ctccttctca aggccattca 60

tttatctcca ctcatttctg ttcttctgta agttcatgcc ctcctgccct gctccctccc 120

cagcccgacc aagctctaca ctcctgctgt cgggcctcat ccatcccatt attcattcat 180

ctcantcatn atctctccct ctccccccgc ccccaatccc aggtgaatag ccacctggtc 240

cacctggctt cacgctcttg gccacaggga gaggctctgc tgcagtgagc tggggaaata 300

aatgcccgtg aagctgtagg ttagagacag gctcaaactc agagaagagg cagtgtgaag 360

tgcacccgtt agaatcaacc aaagaccaaa aaagagccag aaatacacca atcaggctga 420

agacatggct catcagcggg aggtactttc caccagtcgc agtgacatga gtttgatgac 480

gggactcaca tagtggggaa ctaaggatcc actcaggcaa gt 522

<210> 3898
<211> 554
<212> DNA
<213> Mus musculus

<400> 3898
aaggtcctga gatctagctc cagtgttgga agtggaagag aaaaggacaa aggcatggcc 60

agggagtgga ggagaagagc aagctgcagc ataacacagc atcaatcctt taaaacaata 120

acatgcatac acaccaatct aacataggca gctataacga aaattacatg caaagactgt 180

taaggcctga cacctcacac catttagttc catgcccacc atcgttgctg tgataggtct 240

gccagtcatg gacactgaaa cataacttga ctcagagcag ggtcatgctg agcacatacc 300

ctgttttgtt ctctatgttc tgaggtttgc taatcttaag aaattccaca aagctttatg 360

taggacccct caaattaaag gtcaacatga agtgttatgt ctaagatgac ttgaatcaga 420

gccaacacct gggcaacttg tcctgcacct gcgtatgatc tcactgtggc ttttatggtt 480

ttgtttttcc tttatacgcc agccatgaga aatgtttgct aacatagcct catctatgac 540

cctgaccaat cagt 554

<210> 3899
<211> 474
<212> DNA
<213> Mus musculus

<400> 3899
agcatttaac tactctttgt gatgaagaaa gggcccagca gattgcggct gtgtgtatct 60

ctaatcccag cacttggggt ggggtggggc aataaatatc gaggccctgg tttaaacagg 120

aaagattttg taatctcaag ttatcagtgt attccagtct tcagtgtgct tgggtgcagt 180

ggtgatttag aaatacatca gcatggtggg atagagttca ggtttgagaa tatggcagat 240

gtaaaattca ggctctgctt gtttctagcc ccatggttat gaaccagtta atttccttgt 300

gaatgcttat ttctttttg tttgttttgt tttgttttgt ttttcaagac aggttttctc 360

tgtgtagcca tagctgtcct ggaacttact ctgtagacca cagaaatctg acatgagaat 420

gcttattttt gtcatatact ttcagtattg agttttgtgt catacctagt ctag 474

<210> 3900
<211> 490
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<400> 3900
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ctcccaccca cttagatgct gatggcctgg gactataaac agggacagtt gggtctccta 120

aggaatagct tccaggtcca ggatgctggc atctcccaga gagaactcca tcccctgacc 180

accaaggcct ttgtagaagc aggaatctct tcctcctgtc ccacagcccc caggtcagag 240

ccaagcgcat catntgcagc acacatgtct gtctccacag gcaagcaacc ttgccaaggc 300

aggccagaca ggacagccca gcttcccact ccagacatgt tgttcttaca tctctgaccc 360

agtgatcttt ctaggggtct gtcacatgtc ccaacaggtg gacagctctc caagtcacca 420

acctgaggaa aatatccctc cttgtaaaaa ggctttctct ttgtaaatga ttctgttgcc 480

tttttctaaa 490

<210> 3901
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<400> 3901
gtctttgtaa caagtgcctc cgatgcaaaa gtcgggtccg gttcttcctc ccagccccat 60

gctctcagaa ataagactca gactcaaaaa atattacaga tacctcagcc ttgtgccagc 120

cctcaggact agtctcagac gagatcaaaa cttagataac ccatgtgctt taacctacat 180

cctgacacgt ggctggttac ctgggctcag gtaccatgtg cccatctcct cacgtcttcc 240

cgggccgatc tccagtgcct cattctatcc cagaatcctt tgtgcctcct ggatgtccca 300

tctctatttc ctncctaanc cataggccat aggcttttta attgacatac natacacaga 360

tattctctnt ccattccaga nccttcatct caagtttcag aggagagcat ctccttaact 420

gtgaatagct tcagttgtct gcaggaatgt aacttctcac agtcaaactt aggtacaaac 480

acaataactc cttata 496

<210> 3902
<211> 558
<212> DNA
<213> Mus musculus

<220>
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<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

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<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (527)..(527)
<223> n is a, c, g, or t

<400> 3902
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nttttttgga gtcncaagtt tccccctcag taaatccncc ncctnntctg tntgcattgt 120

aagacaaaag ggtagcatta gggagnccnc tccaattgga aaaaggagat ggggtgagtc 180

cttccactca anagacncta gctgctgttt gtgagttctc tattgaccct tgtgtgtgtc 240

cccggctgtg tgtctcagtg caggctggga aatatgtcta caggccatac ctgccttctc 300

aggaaccatc atttttaccc tgggttctct tacttgggag gtgggaacag cagggaaccn 360

ctagagtgat ntgtgggact tggcaggcac agataatgcc atntagagag ggacataagt 420

atccagagat ggggctggtg gggttagcag cccgctactg tgatctcagg aagggtgagt 480

cttgccagat gatgactggg ctttcagctc taagaagggt ccttacnctc ccagcgtcct 540

tcccagttaa cattttct 558

<210> 3903
<211> 480
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<400> 3903
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ggccagatca cagagcnttc tggggaaccc aggncctggg ccttagaccg agagtgccnt 120

ccttcnagat aaacnatgtg taaatgaatc attttnaagg naaattctcc tgcctttctc 180

cccacatccc atagtagtca ctnaaagcac tttaaattgt tgtttgtttc tactgaccag 240

ctttagattc actatgtagt tccggaaggg attgaacgtg gagcctcctg tctccatctt 300

tggaggcctg gaattacggg tgtgtgttac cactgccagg acaaatagtg ctggagattc 360

agtgttgaga gaccacatct tcttatgtgt aggactgtgg gtctagtatg tagcaatgca 420

agcatgcaca cacacacaca cacacacaga gtcaatttaa gattgtctgg tggcacaccc 480

<210> 3904
<211> 379
<212> DNA
<213> Mus musculus

<400> 3904
actgctctgc tgtttccagt ctgtatgtcc gtagagtcca ctgtgtgctg ctgtgtctgt 60

gagtgaggca acccaacctt ttttcatgac tgcctataac gttctcagtc tctcatgaag 120

ttgctttcct ggacacttgc actgggcagt ggtagccaac catggggcct gggcatgatt 180

taccttggct tttacatgca ctagacatga aaatgggagc ttcatgctca ttatagagtt 240

gaaaaaaatg tcaattgata aaacaattta tgctgaaagg taggaaagac cacatttacc 300

ccctcttaaa atcatctaaa gatttggtac ataattagat tatttttcta gtgtgtacag 360

ttacagtgtt ctttactta 379

<210> 3905
<211> 527
<212> DNA
<213> Mus musculus

<400> 3905
tttgccaatt acaaaccctg cactttggct agagaggcag atcatactat gtgcaggaaa 60

actaaagctt gcttcttacc caaaaaaaag actagaaaga gcagaagtaa ccagggagag 120

agggtaggga gcactgagtg tggccttact atggaagtag aaatgttatg ggtcaaaatt 180

ttatgctttt gatgtcaagg gttttttttt aatgcatcaa aaacaaacaa acaaataaac 240

aaacaaaatc tattgtcaag ggctctctta tggtcttagt ggatacctga ggtcctgaga 300

ctgcagcaaa gtctaaactt ccatgtagtt ataaagttcc aggtatacta aatcagcata 360

agggtgacat gtttagctca ctaactgagc agctaccatg gcttagcatc atagtgaatg 420

tacagtactg gctgtttcct cccttgctca cacagctgac tgacctgtag ccccctgctg 480

ctactcagaa tcttaggaca gttgactata acatgccatt agcctgg 527

<210> 3906
<211> 495
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<400> 3906
ggaaagttaa gagccactgt cctaaccttc cccaaaagtt ccacaaacag gggacaaagt 60

attcaaatat atgatcctgt gggggccatt ctaattcaaa ctgccaaagc tccttatttc 120

tttcacacta tagcctgatt tcctagaact tctgcgtact cccttgtcag ctcctgcttt 180

ctgtacaggc cccaaatgca gtcacgtgaa cttccttcca ttgctccagt attcatgctc 240

cttatttttt ttctttttc cttttttttt ttttttaagt gaggtttgag canggcgagt 300

ccactagana ctgaaaagat cacaaacaga acactcactg actggnccca acttnccctt 360

ggcccagctc tgtagcaggg cacaatgnta ccttggctct ttcttgagta actctaggac 420

ttactggnca ttccctgntc ctagccacta caaccagaga tgatgagata gcatggtgtt 480

atcccaagga ataat 495

<210> 3907
<211> 399
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<400> 3907
gtaaccaact gccttgcgga acttcagtac cacaatctga ctccttcatc catgaaatga 60

agacaaatgc caactcccac aaatactatg aggaatgaac tnaggacata ttttaaacat 120

attgggtaca gcctatatna gaactatcct aaaagtgtgc taatttacaa tgttactacg 180

gttgccttac tgtttacaca gatgcaaaat ttgttcacaa gcacctaccg aatgccatat 240

agactacaaa aatcaagatt tcaaggaaga cttaagttct gaatctgtac atatttcaaa 300

ccttgctcat aaacagatta ttaaaaatat ttcatagatt cattttctga gagcagattt 360

gagttcctca gagagtacgt tcttacctta ttttctctg 399

<210> 3908
<211> 438
<212> DNA
<213> Mus musculus

<400> 3908
aaatccaggg ccttacatac caggggactg actgctctag ggcagatcta catccccagc 60

ctgactgtct ctttgaagct tttcttctcc cttgaaagga ggctcttgga aggccaagcc 120

acagtcttta atttgcctgg ctgtttgctt gggtagccct gctctttcag gttcttccct 180

gtaccttcca tgcctggcac tgagctgtga ggcatgtggg ttaggcagac atgtgaatta 240

gggactatga ggaccccatg gaggtttgga cagacagaga tgtctctcta tatatcatgc 300

cctgaactca ctacttcaga gcagccaaga gttgctgctg ttcactctgg atgtacagat 360

aggatgcctg gacaaggttt ctcattctat cacttgggca aatggctaac ctcagtttcc 420

tgatctgtac cagaccag 438

<210> 3909
<211> 511
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)

<223> n is a, c, g, or t

<400> 3909
gagttccttc caaaatcgaa aacagatttc ctgaatgttg ttctttcctt gggacatatg 60

caaaaacatt tcctcccttt tagggtagtt tatctttaaa accaaagcca gggcccatta 120

gaaacatgtt gaaaatcctg tgttntatga gttgatgctg actaagccat ccactgtcat 180

cgtccttcct gccttcctgc cactgcctag atttggccct gatttccaca ttgaaagggg 240

tgtgcttagt gctaacacat gtgtggctct gggagaggcc gacacagccc gctgctcttc 300

tntgagccaa gttaaacagc tgagggcaag tttcacagac atgattggtt aatggttcta 360

attttttttt caagtgatag aaacacagca ttcttgtaca gtatatagat taccactctc 420

ctggacaaca tcagtaacct ctttacaaca ttacgaagcc atttgtaaaa acacataaat 480

tgtattgttt agccatcttc ctgatgtgtc a 511

<210> 3910
<211> 473
<212> DNA
<213> Mus musculus

<400> 3910
tagagctaca tgttgctgca ccctgctttt tacatggatg ctggaaatct gaactcaggc 60

cttcatgctt gcatggcaag tactgtaccc ctcagcccca ataaatattc attttacata 120

caacacggct tcaaccttgc caatcccctc tcaacagatc tgtgctgagg atcagtgttt 180

tgagttagta tgggctccgt atttgtgaaa atacaggaat tcgccctttt cggtggcact 240

tcctaggcat ctggctgcat caagatgaag ttaaaggtct ccttcccaac caccagccgt 300

ctgaaactca atgctgtaga tgatgacctc agacttgata ctttctattg gaagtacata 360

accacagatg tagctgctga tgctgggtaa agattgagag cttgtgtggt cttctcagtg 420

acagggcaaa caaggtttc ccatgaagta aggtgtcttg acccatggcg gag 473

<210> 3911
<211> 427
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (361)..(361)
<223> n is a, c, g, or t

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gggccatgtt cacatctgag ggctgtgcag ggctggcgag gcccctcact gttctgaggg 120

catgaacaag ggagagttgg ctcacccaac atgggctgca gcaccacatg gacccagtgc 180

ccacagaggc cagaagaagg cttcagatcc tctgaaactg gacttaaaga tgattgttag 240

tgctggggac cgaaccctgg ttctttggaa gatcaacact gagccatctt catatctttc 300

tgancaagca tnatatataa tatagtataa ttatagtcta atatagtaag gcacaactat 360

ntcaactgaa tttattctga atccacagaa attctcacct ggtaagcaca tgtgtaccag 420

tcatggg 427

<210> 3912
<211> 558
<212> DNA
<213> Mus musculus

<220>
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<222> (486)..(486)
<223> n is a, c, g, or t

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aaacagcaat ccagcaaaac agcagcagca gaccaacaat tcagcaaatg tgacagcagg 120

gaccagtggc agtagctgcc tcaggccctc tcaaggttct caatttatac cctctccaga 180

gtccccagaa ttaaaccatc tgcagctggc agaaatcatg ccctcttaga gcacgagaca 240

atcatagtta acgactttag acaaactaaa gcagctccat atcccacacc tgggattaca 300

acaaaaacat tgacacaaca taattaggtt ttcaaagaaa ccaaaagttt cactacaatg 360

atttctctca acctgattct gcagaacatt tgtaatgtta attaatattt gatagcagaa 420

atattgattc atctttgata ataaataatt tcattgaaga ggtgtctgtg tgctgtatct 480

ctagtncaaa gtctctttag aaattaatct aaaaatagcg aggggtatag cttagctgag 540

agcacattct taacgtaa 558

<210> 3913
<211> 408
<212> DNA
<213> Mus musculus

<400> 3913
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gtagccacac cctaaaagag gaatgattct cccttacctg ctccagcagc tatcagctgc 120

cagtagctcc ccaatacaga tgggggctgt gaagcacctt tcttgacctt gctgaaattt 180

caactggctt gcccttgtac aggtcttgtg taggtcatat cagctgcttt gagctcatta 240

gtgtggtagc cgcattctga ctggaagaca gcatttcaca gctctcttcc tcagcttcag 300

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gaaccatggt gcaccgttca ctggggacac atttatctga ctatctat 408

<210> 3914
<211> 524
<212> DNA
<213> Mus musculus

<220>
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<222> (336)..(336)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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tgatactata tcaggtatcc caaagggtaa ggcctggcca ggcacttcat ctctgactgc 120

atggaaacct gatccctagc ctggctctca gaggtgaaac taaagtcgag cagcagtccc 180

tctggccaca gtgactttgc tctcctgtgg tttttaagtc tgagtacatt cctgcccacg 240

acatggctcc tgagacagcc actcagacaa tctaatctgt attgggttct gctggcagat 300

gctgagagcc tgctgaatat cagaggattc tgaggntcac cctctcaata tcaaangaca 360

aaagctcgca gangacaaat acctgttacc aaatattttt atctgggagg ctatctcanc 420

cccttcttag cttcatctgc agatgtaatg tggaaaggat atgcagggtg acaagttgtc 480

caaatgccac aagtgncaaa gggtggcata gtacttgtct gtaa 524

<210> 3915
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

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<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
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<222> (383)..(383)
<223> n is a, c, g, or t

<220>
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<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

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ttaaggtctt cctgtgtaag cctccccaat acctggcctc gtgcatggta gggcatttgg 120

tgtcatcctt ggcttctacc tatctgaggc cacttgcaga cccaactgac caatcaaccc 180

ttcaagcctt gctttctccc acttcttcac aacctcaggt ttaaatttgc ctcgactgat 240

ggtctccagc aacctgtcaa aaataacacg ggctacattc tagatttatg aatgcctaaa 300

ttngactnag ggacagagtt ggtttttgtt tttaagatga ggtntcatat agctcaggct 360

ggtcagaact tttatacagc canagacaat cctgaacacc attctngtcc acctgccgct 420

ntcctaccaa gagctggggt ggcaagcaca taccagctca cagatcaaat 470

<210> 3916
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (30)..(31)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (42)..(42)
<223> n is a, c, g, or t

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<222> (53)..(53)
<223> n is a, c, g, or t

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<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
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<222> (72)..(72)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (82)..(82)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (108)..(108)
<223> n is a, c, g, or t

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<222> (117)..(117)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctacaggttg agaactgctg tgttagaatg ggcagcagta agcctctggg tcctgagtcn 180

agagtaaacc tggcctcagc cttccagcct cagccctgag ctttagggaa ctgtggttgg 240

tgctgggaaa acttagggag acaaaacctc ccaacacaca gtgacattag acatcaccag 300

gtctagatgt agcttagctt acaaatattg gatgaacttt tcattttatt tccacaagaa 360

acttctggga ttttttttctt ttccttttgg cttttccttt aggccctatg tttgtggacc 420

agtagaaatg tatttctctc tacacacaaa catcacccga tctgatcaaa a 471

<210> 3917
<211> 560
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

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<222> (383)..(383)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (409)..(409)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (424)..(424)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tggattgtcg atggtgcacc gtttcagcaa gaggcgtgac tctctcctgc ctgtcattat 120

ggcaaacatc tatctgctag ttcctcctgt gctcaacccc attgtttatg gagtaaagac 180

aaaggagatc cggcagcgca ttcttcgtct tttcctcgtg accacacaca cttcagatca 240

ctaggaaatc atgatgaaac cttcctccat tcaaagttct gtaactcaca ctttagtatg 300

atatcttgga agacagtatt nagaaaataa ntnttaataa anatatagct cagatctttc 360

aaggatgaaa cttgctgtgg nanttctacg tggnatggaa gaacacctnc natctccatt 420

ttcnaatatt acattcattc ttttgttttt ttctctagat aattattaag atcaagactt 480

gtgttttgaa agttatttct cacaatttna tcactacttc caaatttcaa ttcatttcac 540

tgatgatcgt tcacagcatt 560

<210> 3918
<211> 516
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

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aagtttctac tacatatttt gactcatggt ccctttccta aagccaaaca cagctgtgta 120

atttttcttc cattgcttca ctctgacact gagtctcttt ctatttcctg tttctgctgt 180

gaagggccct tgtgattacg nttagggccc acctgcatca ttcaggataa gnctattntg 240

aagatcagct gactggcagg cataatttca tctgcaaagc tntaatgcct cttgagcaca 300

gaatataaca tattactagc tctccagatt aggatgtgag cttattacgg aacattattt 360

tgcatgccac atgtgctgtg attgctaaaa taaagtcctc taactaaaca aaaacattga 420

ggaagaaaca caaggagata cctgataagg ctagaatatc aacagtgaaa tcctgagagg 480

aaatgaaagg agaaaactac cacacagata cagaag 516

<210> 3919
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<400> 3919
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cctctaaata taacctgtca cattgaccat ttcttacttg ttcgggacta cagatcagtg 120

cgtggttaag actacatact atgcagttgg tcccatttag cacagtgact aacagctatt 180

cacaggggag gcttaattgt ggtctacaga attgccttat gatcctactt caagtaatga 240

ttttgtggaa acgaaggcaa accaaagagg taacagaaag caaacagaag cagctgaggt 300

gtaacttaag cggacactcc tgctcctctt tantgcgtct tcataggtgg tagaatcaag 360

ttgcccagga ttagctcact tctctgccag gtcactgtgt tacttgatgt gcaatcagtt 420

agtgtttttc cttagattct tctgctgtac atgctggtct caaagaaatg ctaggtcttg 480

taacctctct cactatctct tttctgtaca gac 513

<210> 3920
<211> 377
<212> DNA
<213> Mus musculus

<400> 3920
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tttattcatg ggttcatctc ataccacagg ccttcggtta gctcaccttc cgtggcctgt 120

ctcgggaaga gcaggcttct ttttaagcag caaaatggag atgtgtaaac agtaggacat 180

ttcgataact atgtcaggtc agttcttagt tcagtacttt tcattaaaat ttgatatacg 240

aatttcctct agaagaagat ccctgtgtag gtttcagact ttattgtcct ttgaggacag 300

tgtcctcatt gtccttttg attgaaaaca atcaactttt ctgccttcat tttaagtgcc 360

catgtctctc atagaat 377

<210> 3921
<211> 349
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (189)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(198)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (200)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(210)
<223> n is a, c, g, or t

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tgaacactta gtactttatt gtgagctgtt ataataagag attgtcaggg ggaaaaagga 120

gagatgcagg gtgaccactt tgtgatattg aaataatctt agctatatat atatatatat 180

atatataann nnnntnnncn nnnnnntnnn gcagtaagcc agccataagc tagtgacaaa 240

aagtatattg ataatgtcag tgtattagct gcctttgaca gtgataaggt aggacttgaa 300

aactggcaac atggctgtta cttgatggct ttgccataac agttaagta 349

<210> 3922
<211> 496
<212> DNA
<213> Mus musculus

<400> 3922
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ctgccttccc atgcctgcct ggctgccaca aatattgttc aggttgtcag ctgttggcat 120

ctggtaaatc taattcttac tggcccagag aatgtgctaa ttacgtcctg cagctaatta 180

gaaagcagcc tctttgctag agaagagttt atttagttca tcaatgaata agacttggtt 240

tgaatcttga tttaaaaatc aaaaggaaat ggaaatggga tgagctagac caaaaaatgg 300

cctttaaaga aagggacaca tgctatttaa ttttaaaaaa atatagattt ttcagtaaga 360

gccagaagga ggtgaatttt cactaaaact aaaaagtttt gagtacattt acatttcaag 420

aatgaacaaa tgatgctgat acattattgt cagacttcag atagctgaag tcgctgtggc 480

cagaacccaa tttgaa 496

<210> 3923
<211> 535
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
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<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)

<223> n is a, c, g, or t

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ctgatgctga tgctgggcct attncantag gcatgggctc tttctgaaac tcctgactga 120

taagagggag nacagaggca gtatatgcta gaaagggaga attaacgcaa gaatcanact 180

ctcttgctgt agttctcatc cttattacct gctaagtana caatattgaa caaatcagnc 240

agtctcactg antttgggct ttgtctgtcg gaatgattat acctatcgtg cagagtcgct 300

tcacaaaatc taacaaggcc aagtttattc ttgttatact gggcagaaaa ggctccagaa 360

attagagctn tttacaagac tgaagaaata gcttagtcag taaagtgttt gctgtacaag 420

cttgaagatt ttactttaaa ctccagaacc tatgtgaaaa tgccaggtat ggcatatcca 480

ttaatcccag ttatggggag gcagaaacca aaagcttcct ggagttcatt agcca 535

<210> 3924
<211> 487
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<400> 3924
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ccagcccaaa gatttattta ttatttttat taagtacctg tagctgtctt cagacacacc 120

agaagagggc gtcagatctc attacagggg gttgtgagcc accatgtggt tgctgggatt 180

tnaactcagt accttcggaa gagcagtcag tgctcttaat cgctgagcca tctctccagc 240

ctgagaggcc agtatctaaa tgcagattag attaagtctc tggagtgaat aattccagtg 300

ctcgggatgg gctctccagt actgagccct gctgctagct cactaaataa cttggattgg 360

agtatctgna atcaggggct caccantagc tttgagctct cggcttttgt tttcctggga 420

taatctgttc acccataaga ttctgtggct gttgtcattg gaagagggcc acatgcagcc 480

actgaat 487

<210> 3925
<211> 456
<212> DNA
<213> Mus musculus

<220>
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<222> (26)..(26)
<223> n is a, c, g, or t

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cttggaacgg cttatattta agcatatttt gctcggtgcc tttgatttca atgcaaagtg 120

tatgcacata tctcagttct gccatccagg ctggcaaatc agaacagtct tcctagtggt 180

ataatgaaga tgtctacatt tcccctcatt agctgcattc ttctataatg aggataaaac 240

agaggcacag gagagtaaca tatttaattc tgagcattct tccataataa aatgaaaaat 300

ggggactgta aaaatcagag cacttatcag aatgtgttaa acattttccc tactttataa 360

agttttacca gtagtgactg taaggctgat aagaagataa taaacataga atatgctcat 420

ttagtaaata tataaaacct ttcctagctg cagagt 456

<210> 3926
<211> 548
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<400> 3926
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gcgattgtcc gtggtattca caccatcctt ccgtctccgg gatgtccctt gttcctaggt 120

tgcaggcttt tcttcctgga ccctttctg cttggcccca tttgctgggg tagttaccac 180

tgnatgctca gtactggctt gaaaactccc gatggaggga aaacgtactc tccttgctag 240

ccccatcttt cagaacacgc tttaccactc ttttatggtc acctgcctgc ttatctgtgg 300

ccctccctgc tggatataag tcacttcctg tcttgttggc ctttcctcgc ctgaacaggt 360

cctggcaaga gtctgnttga gtgaattgga aaggaataca acacccctc gtatcgacga 420

gcaccgaggc ctcggagggg agatggtagc cctcatgacc aagctcacca aggggacagc 480

gggaatggaa ttcaggtctt ggaggcttct ctatcttata ctgtctccta catggctttg 540

ctactgta 548

<210> 3927
<211> 442
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

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tctgtgttca tgctgaaccc aggtcccctg cccagggcga gttcaaatta aaagtgaggc 120

caaaatcnag tttgctttca taagccacag atcctcctgg tggttcctga gtgtgcatag 180

ttaaatcctg tgtttttaga gcacctgcaa gccagggagg gagagcatgg ggcagacagt 240

ggtncgagct gttcaagcat gatgacccga gttcaatccc cactcctcac agaataggct 300

gagtgtaggg cagacagcat gatagctccc tngctaaggt acttgttgcc nagcctgaca 360

gcataagttt actccctaga acccacacag aagaagggta gactaactct tacaagttgt 420

tctcaaaccc acaacatgca ca 442

<210> 3928
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<400> 3928
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tctatgatct ggtaaacata gtttaagttg tacaggagtc cttaatgaac catttaagtg 120

ataactagtt atatatccat tcttctaaga ctctgcaagt gaatggatag aactagagtg 180

attaacaaag gctaggaatc agaatttgcc ttttgtacaa ctaagtgtgt tctaacactt 240

cagaaataat gaataaggag gtaggtacaa atccacatgg tnaaacagaa tgtcactaat 300

gaggtctaca cattccttca ggaaaataaa atataatgta ggactttgaa attatttatt 360

aataagtaaa aagagcgatt acaaatgtta ggaccttaag gccttggtca aactgaagac 420

tttacaatgg cagggaaagt aatgataaca atgctgtcta tgtaagcaca cctgacagta 480

ccttggaaag agtataaaag tcttaccctg taagctatgc tttctttcag taactgga 538

<210> 3929
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<212> DNA
<213> Mus musculus

<220>
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<222> (256)..(256)
<223> n is a, c, g, or t

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tctctctgtg tgtgtgtgtc tttggcttcc acatctacta tgtgtagcta gcaggtagat 120

ttctgtgttt tcccgaaaac tgttgggtta agatggatcc cactggacaa tttttcttct 180

ctctttatca tagccctggc atctgggctt aatacagttg ttggaaacta ccctagcgaa 240

ttcacttgtc aatcantctg atatcctagt gcctggtggg ggtgtgggga gggggataca 300

tgaccttcag ccttcatcta caggagccaa gggaagacat tgggtgtgag ctgttggtac 360

tgatgtaaca tgaatctgct cagagtccag catgcttttc tcactgccaa aacataaaca 420

aaacaaaata acaacagcaa aaactttcct gtgggggaat gactgatacc tagacctgga 480

tggcc 485

<210> 3930
<211> 482
<212> DNA
<213> Mus musculus

<400> 3930
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tcgccttctt ccttcttacc cagcactaat tttggggcta gggagacatc cctctctagc 120

tggtgattgg ccaggctcag aaggacctgc cttcttaaag tcccattcct tcagccttga 180

gaatcccctg aggcagcttg ggcttaggca taggcgctca ctcccagtgt ctcaaacctc 240

acacgggcta tgagcccatc cccaggatta cttaagtaga atacaaagca gcaacctaga 300

tttgggtgac tctctctggc agccttccta aacttcatat gacacacaaa agttcaaagt 360

ccacaaaaac atcattttat cccttaatga aaactgggga ctttcaggat agcaccttgt 420

ctccccactg tctcttggcc tctgggatgg cgatgtgtgg tctctccaca gggacgagta 480

gt 482

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<211> 530
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<400> 3931
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cactgggggg cacacctggg ggcttccagt agctcccacc ctctctcccc atttcccctt 120

ctcacttata ctctgaagct tgccacagcc ccaggggaag aacccaggaa ctatcnccnc 180

agagaatgcc ttcctttata cgtggtagga gtggctgtca gaggaggggg atgtggctgg 240

aagcatccac atggtcgctt ctcgccctta tcttcaagct gctgaacaaa gttcaaaacc 300

tagtccaacc tctcatcata tctgtcccaa gggcncttgc tgaaatgccc tggaaagcat 360

gtgatacaga gggactaagg gagatgtgag tatatgtccc tgtatgttaa aggaccagtg 420

gtcataggag accattgagg aaaatggact tggattcatg ggccctggaa aatgtacagc 480

ctctgtacct gaaggaaagg aacccaggtt cccggactct atgacagggc 530

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<211> 527
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (92)..(92)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (136)..(136)
<223> n is a, c, g, or t

<220>
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<222> (210)..(210)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ttttaagaag gagcgaagta tccccncttn gntcttcctt cttcttnngt ttcatgtgtt 120

ttgcaaattg tatctnggat acgtcttcaa agacaaggcc tgagtactga ggccctacag 180

cagatggaaa tgatcctcag gagatgcccn ccacaggagc ttgtagtata agtagctctg 240

cagcagagct ctggcctagc actgacatgc cgacgccctc tctcagtgcc cagcactgac 300

catggaaggg gggttagtgg tgaacctaga accaaagttc aatgacagaa ctaaatgaga 360

atggggaagg ggttggcact ggagagctgg ctgggtggct aagagcactt gctctaagat 420

gtgtggacta aaggtaaagt gttggacacn ctgtgacnca ctacagcttc cacagtgaga 480

gatttttttt tcttttgggg aggaaagttt gcaaggtcag agagctg 527

<210> 3933
<211> 510
<212> DNA
<213> Mus musculus

<400> 3933
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gagggtccag tctccgggga aagtgttgct ggtctagaga agccgtgagc ccgtaggaac 120

atcccaaaag aagttctcga cttggtgtct gggtttcaaa taccaatctg ctcttggcaa 180

gccttggctt cactccgtct ttgtttttat aaatgcaggc tagctcattc taactctgaa 240

cacttctgcc agtaaaacaa tacatccaaa tacaataaca ctggtcacga tctcagtcca 300

gagattcaag gataatcaga atatttattt ctgtcagcct cccttaccca cacctctgtc 360

tgacctttac atttagcagg gaaattcaga ggcgaggcgg gggaaatata ttgaaagcaa 420

tagagggtgg aatttgaagc catggatgtc actcttgtct tcctgaaatg gttttctgca 480

tgtccaggca gatagcatac ccctgtaatc 510

<210> 3934
<211> 434
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<400> 3934
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ttgttccagt agttctctga gacaggaaca accccagatc agaatttctg actgtaggat 120

aattcttgag aaaaaaaaat atgtgatgga tgaggaaatg gctaaggaag tgaggtagtt 180

gccatgccta tttaattttg gtttttggtc agatcctcca gaaccatgga aatacgtgtc 240

ctgtaatttc agcatcccca tgagtagaaa aagggaggaa naagagacat cttgaacttt 300

tggtgtatgc agtggtanat gcagtggtga ataagagaac ctanatcaaa cagtcaatac 360

ctgaagctnt cctctntcct ctgtgtgtac accgtggcat gtgttngggt gccaacttgt 420

ttctttctgt gtac 434

<210> 3935
<211> 499
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

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gggggtaaga aaagctactt ctatggagat aagagtttaa atttgaatgc cctgtctcgg 120

ggttctggtt ctgcctaacc ctgcagtctg caaggactat ttgctgcccc agttgaggaa 180

atgtttagtt gataagcaca tctttataaa ccttatttct gtgcatctgg catttaaaag 240

cacttaaata gataaactag tgggttagcc tcagacataa tcaccactcc ctttttgtgt 300

tntggataac naaaaaaaaa actaattgta cttgaactat ttattcttga tttgcagaaa 360

aataatttta ctagagcnat ggtaaaccca aggcatgtga ttnaaacatt ttgacacatt 420

tnaaattgct gcgtntgcta caggtggtgg aagggctttg ttaacacagc acttgggcat 480

ctgaggctgt tgatcctaa 499

<210> 3936
<211> 465
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

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ccaaggcctg gagcaagagg atgccattgt gtcaggcagc tttaccaagt ccttccttct 120

gcctactgcc ttcagacaat gacacttaca aaagcggaag caggggtgca cagatctcag 180

atgagggctg ccctgggcta aggcatgcat gcttcaggct tctcagttct gagaacacat 240

gttcacagcc cacagagtct gtgtcatgca ttccacactc caaggctgcc cccacctcct 300

cagccatgca tccacagcat gctncatact cttgaatccg gaantaagga caatgcctcc 360

tagnagntca gggaacctta caagagcatc tncctcagtg tgagattagg acgcancatg 420

cagtaagaat ctncatggga ctctcttact gggtacctgt aatgt 465

<210> 3937
<211> 554
<212> DNA
<213> Mus musculus

<400> 3937
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cacagatctc ttaatttgag gtcagcctgc tctacagagc aagttccttg gtagccagag 120

ctccacagag aaacccttat cttgggaggg agagctgaaa tgattagtat gtgagtggag 180

ataaaactca gcatgcttaa caatagaaat attggttcct ccatatcttt gatgtttaat 240

actgaccaag tacatagcaa gtgtctggtg aatatgtgtt gatatacttt aacagtatgt 300

tttgaggatc gcagggctga tagccttagc tagagtattt ttgttaagat taaagagaaa 360

tgaaaatcat ctttgtcttc ctggttgttt taggggctcc cggcttgggc accagctctg 420

gtgcttagct ttcatttaat caagaatgag taaataatca tgctgatgaa tgaaagtggc 480

tgaagcactt gtggctaagc ttaattgcta cctgactggg aaacagataa taggtctggg 540

caaggaacca aaca 554

<210> 3938
<211> 521
<212> DNA
<213> Mus musculus

<400> 3938
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tgggaccctt taatactgca gcctcacgct gtgctgaccc ccaaccataa cattattctc 120

gttgctactt catagctgta attttgctac tgttacgaat cataatgaaa tcatttgact 180

tggcagaggt tgggtccccc agattgagaa acactgccct agacaaaagt cttgactctg 240

agtttcagtt ctgtcatctg tcctgaggac cagagaagga gcaccttcca attccttcag 300

aagaagttag agcagatgtg ctgtgtgccc aaaactctta agaaatcctt ctacgttagt 360

ccccttcttt ggatctcaaa ttcctgtgac cttctaacct cctccctccc gggaccgagc 420

cggaaatcta gaaagttctt gacaggcaag agtgtgtgtg gggggagtc attattattt 480

tgactgatta cttatgtgtg actcttagct ttcccaacct t 521

<210> 3939
<211> 416
<212> DNA
<213> Mus musculus

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<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

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<222> (306)..(306)
<223> n is a, c, g, or t

<220>
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<222> (375)..(375)
<223> n is a, c, g, or t

<400> 3939
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cataacggtg gccgagtgcc caaaacccat cactacactt ggctgccatt tgttccctgt 120

gcacttactg aagctgggca catccaagag cccagtaagc ttttgaggtc acagcctgtc 180

catcagaaga ncngggntca agatcaagtg cttggtccac acagacatnt ccgctactga 240

tttttagtca ttgtgggcta ctcaaaacaa tgaattttta aattttccaa gctgaaggac 300

ttaaancaaa aaccctctta caatatcaat atgaaatcag tatataaact tgtgttctaa 360

ttacatggta ttttnccaag acattaaaaa agttacctcc ctctaattta caagtg 416

<210> 3940
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<400> 3940
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tcagcctccc aggtgctggg atgaaaacgt ggtgtgcttg actatcccat ctagacaaca 120

gtaacttttc ggggtgtggc aacaaagtgt aatcttcata catggtggat gggtgaatct 180

ggcaaaagcc agccttggct tcacagcaga tttgaggttg gcttggatta cataacatag 240

tatctcaaaa tggaaataag gaaagagaaa tgtgtaaaag antcagagga aatgaggact 300

nttagtttga aatagggtcn ttctgagcag tgcaggcagg cctccttagc ntcctggtgc 360

tgggatgatg ggcttcctgg actgtgtcca gctgctgaag tgggaataga aaggctgagg 420

gaaagagaag agagagattg gaggtttctt ttgagttctt agggttgaac cttggcctcc 480

tgc 483

<210> 3941
<211> 539
<212> DNA
<213> Mus musculus

<400> 3941
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caatcttgtc tttgctatct gtgctcagtg ttagatccca gaatttgtca tttagtttga 120

aggcatggga acacaggtaa aattcctgct cctgtttcaa gaaggaataa atccacaaag 180

atgcactcaa aggcttctaa aattaaagct aggggcaatg taaaaaaata gagagagcga 240

atgtggggag ggggaatggg cttctgtggg cataaagggc aaacataaaa gtgaaacaat 300

gtgtaaaaca tcaatacagg ctaagcagag gttccttcct ctgagacttg aactccattt 360

tctccacact gctcctgtta gggaactata tgataaagcc tttgtagatc tgtcttagaa 420

ttttctatta tagtcatatt ggctggaata cctgttaagc ctggccccgc cttgggtttc 480

cttagctggt tgaataaatc atttcacgtt ttggagactc aatcttccca cttgttaga 539

<210> 3942
<211> 493
<212> DNA
<213> Mus musculus

<400> 3942
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cttccccatc cactgcctgc acctgttccc ttcctccgag ccattccaag gggtctgaat 120

aacccagtca gggctctgat cctcctctgc ctgccttcct gctgggagaa tagttagcac 180

ttgcctaaag ctggaacctg gttcagtctt tctccctcac ccatgccaac tctcaaaatc 240

attctttttc ctaattatct tgaaccagtt aatcatttcc acactgactg ttcagtaaca 300

aggatgtagg gagaggcagc catgcatctt gtctgcccgg ggcccacatt taccccaggg 360

gtcaatgctg gatgctggac agtaggcttt cctcaaaaga agcttgcttc aaactgtact 420

cctttgcggc tgagaaaaac acgccctaca aaaactgaca agctctcaaa tagcaaccca 480

ggctgaactg cag 493

<210> 3943
<211> 497
<212> DNA
<213> Mus musculus

<400> 3943
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aagctgtgtc agattgatag agacttaaaa cgatggtttt cggaaggatg gtttcaaaag 120

tcggcaggtg cctatcagga aagattcctt ggtacaatga acatgtctct gtctgcaact 180

tacaaagtat tatgacagag ggttcctatt tgacgagtgg acgtatgccc acacatggtt 240

aatgtgtctt tcatcttgca cagccatata acttcatttg ctgccagctg agcatgtgct 300

catgttcaca ggacatgcct ggctggacat ttacttttgg tttgttgaaa ttgtgctttg 360

tagtacaaaa taggattggg ggtgattaac ccagtgggaa agagaaggag gaagggaaac 420

tactggggac ttttacaata atcccgatgt tacgacttct tgaaatgaaa taaccaatga 480

tggcagtgct cgggcga 497

<210> 3944
<211> 501
<212> DNA
<213> Mus musculus

<400> 3944
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gaatatttca tttaataatg tcttccagtc ccacccgagg tgttgaaagt gactgtattt 120

tatcttttta tggctccata atagtccatt gtgtacccac accaccattt atttttcac 180

tcacctgttg ctaggcactg aagtagatcc cacatcccca ggttttgtga atactgctgc 240

agtaaatatg agtacaggtt cctcctggtg agcttttgta tggaagacac acctttcat 300

agactgacag cgtcttaagg acacgctctc attgttctgc atttctttta ttttgtggca 360

aggtggggaa ggatggttgc ccatattcaa catctcacct atttcccaag gctgcttaag 420

acatttccca cacacattga gacccgtgcc tcaagttgga tacttctggc gtcaactgtc 480

caagccccat gtagtgcaaa c 501

<210> 3945
<211> 554
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (503)..(503)
<223> n is a, c, g, or t

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aaactttatt tcatttaaaa cttgtatttg ctgtaggagt ttggggatga ccgagttgtt 120

acatgctttt cttgcacgtg tgaggaccct agttcaattc ccagaaccca tgttgggggt 180

tcatgcttgt aaccccagca ctggtgaggt agagtcaggt ggctcttctg ggctgaccag 240

ccagcttagc ctaatcacaa gtntcatgcc aaagagagac cctgtctcca aggaggtgga 300

cagctgtcct gagaatggta cttgaagtta ttgcctgntt ttaaacatgt gcacacatgt 360

accctccctg caagtgcaac acccccccac ctgcacatgt gtacacacgt acacatgaac 420

atacatatat gntgcatagc aaaaccgcta tttgtgtcct ttgtgtgata actttaagag 480

gggaggaact tactcctgtg ggnctgtcat ctgaccaaca cacacatgca gtggcacttg 540

tccacgtaca tgct 554

<210> 3946
<211> 505
<212> DNA
<213> Mus musculus

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<222> (87)..(87)
<223> n is a, c, g, or t

<220>
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<222> (93)..(93)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (100)..(100)
<223> n is a, c, g, or t

<220>
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<222> (108)..(108)
<223> n is a, c, g, or t

<220>
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<222> (110)..(110)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

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<222> (121)..(121)
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<222> (150)..(150)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (167)..(167)
<223> n is a, c, g, or t

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<222> (169)..(169)
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<222> (212)..(212)
<223> n is a, c, g, or t

<220>
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<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (469)..(469)
<223> n is a, c, g, or t

<400> 3946
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taaagctatc tgtggatctg aatgatnggc tcnanacctn ggagtccntn gcgnttcagg 120

naagcntgag gncaggagga tgaagagttn ccanccngtc tggaatncnt agactctgta 180

tcaaaaaaaa naaaaaanca attaaagtaa tnaaagcagt aatnatgcta ctttggaaat 240

caattctctc ttccccagag tatcttggag caagagatat ttattagtca ctagaggttt 300

ttttggcctt tccctggaca tattcgggga ggaaaaaata ataataactg agagagacaa 360

aggagctttg tttctgctgt ttctaaataa cacaaaattc tgtcattcat ttcttatatt 420

ttcccacctc agacttcaag cttataatta tagattaaat acctgagcnt tgcatcagct 480

aaagttctct tctgaagctc aagag 505

<210> 3947
<211> 491
<212> DNA
<213> Mus musculus

<220>
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<222> (316)..(316)
<223> n is a, c, g, or t

<220>
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<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
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<222> (400)..(400)
<223> n is a, c, g, or t

<400> 3947
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ttttaaaaaa cattgttatg ttgtccaatt ccccggatgt taaaggtgac ttcaaggaaa 120

atagtgaaaa aacccaaatt tggctgcata atatggacca agtgctcaga ttatatctaa 180

cccactgact ccatatatta tatctaacct actgactcca tatattacca atgagagagg 240

caacattggc actccatttt gttaatggga aactgagatg cagactaagg ccccacttag 300

ttaagatcca aaaccnggca ttgangtcag aacactgaaa ttgaacttcc tttntctcac 360

tncagcacat taggaatgat gatggatggg tgtntagtan atattctctt aaagcctagc 420

tgtctccctt tatgttacag accttgtctc ttttcagagt gctcctatct acctggtagc 480

tgagactaac t 491

<210> 3948
<211> 485
<212> DNA
<213> Mus musculus

<220>
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<222> (212)..(212)
<223> n is a, c, g, or t

<220>
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<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
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<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<400> 3948
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cattcctgct gtctcaggcc taccactgca ccacattacg ctccaggacc atgctcaccg 120

ggactggtgt tttcgtttct cttgggtaga cgcctacatg gacgctgtcc tgtggtgcgc 180

ttgtgaagtt cctgtttacg attttatagc cntccaaact atcttccaaa gagcctgccg 240

tccatcatgg ntgtgcctgt gtgagnttcg ctttntctcc actgtcacna acggttggtg 300

ttgtccggnt aatgtcgtca ttccccccgga agtgcagtgc taccctgaga ggtttgactt 360

ggattnccct aacagtgact gctgtgggac cgctttctat ttgctctgtt gccatctacg 420

tatcattttc naggaaatgt ctactctgaa tctttttcca gttcaaactg tctttccata 480

gaggt 485

<210> 3949
<211> 446
<212> DNA
<213> Mus musculus

<400> 3949
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tatcaggagc aattcgttat ttaaactagt aaatgtaagt gaattaggac atagctaata 120

gtagtaacat gcacagccat tgctgtgaca cttaggtcgt gtttgttacc gagtcatctg 180

aagatgaatg ttttcaacta cattttacag agaagttgga tagcctgacc cgctgagcca 240

ctcccaggca gttctcccgg cagttgtgtg ccgtttctgt ccataaatac tgtgccaggc 300

tgtggcctca ccctcggctg tgtttcctgg actctaggtg gtagtgatcc cactgtgtct 360

gaagtgtgtc tcactgtcac cttcactcac atggccctaa aagcaaatgc tgttgagtgt 420

cctcgtcggc ttgtcaggtc atgtgg 446

<210> 3950
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (332)..(332)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(365)
<223> n is a, c, g, or t

<400> 3950
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caattccatc agtgacatgg gagtgacggt gctgatgcga gccctctgca gtaaccagac 120

actctccagt ctcaacctgc gagaaaactc catcagccca gagggagccc aggccctcac 180

tcaagctctc tgcaggaaca acactctgaa gcacttggac ctgacagcta atctcctcca 240

tgaccgaggt gcccaggcca ttgcagtagc tgtgggagaa aaccactccc tcacacacct 300

tcacctgcag tggaacttca tccaagctgg tncggcnagg gccntgggac aagcannnnn 360

nctnnccagc tgaacagaac cctgacaacc ttagacttac aggagaatgc cataggggat 420

gaaggagctt cctcagtggc tggcgcactg aaggtgaaca caaccctcat tgctctctac 480

ctacaggtgg cctccattgg tagccaa 507

<210> 3951
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<400> 3951
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gtcagatggc tgttggagct tgagaccaag gataccctct ggaaatctga attccattca 120

cttttggcaa agagcagctt cctgcttaga gaaggtgtgt gcatatgtgt actcccaacc 180

acagaaactg gtagagggga gagacacgtg ggtggatggc tgtttgaaaa gatagtagga 240

tggnctctag tgtctccagg cactggatgg cacttgcaaa gcttgtctct aggattaggc 300

aaatatctcc agggaatgaa ttagaaacgt gcagtctgtg ttgcctttga aataagctct 360

ggcttaaaac catcacaggg aaacatgcct ttgaattgga aagccagaac ttttttttgca 420

aaataattca aaaagtttgt tgaaccttaa acctttcctg atgactcttt ccttctgaac 480

ttcactcgtt aaaagttgct atgatcccag cccc 514

<210> 3952
<211> 477
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<400> 3952
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ccatatcata ctgcattcca gaaaaagtta agtcctgctt ctgttcatgt gacccgtgca 120

ctgctgggaa gtctgttttt ctgccatttt cacagatgtt gttaagaaat tcatggatct 180

tttgcatcga tgtgtgcagg caggctgtag gttgctggcc ttgctctgtg ttaataccct 240

tggagagtaa atatagtgat tanctattgc taccnaaatt aagtgattnt agcnggctct 300

tnatatagga tcagtacaag tgggtaggat ctgatcatta cttaaatgaa gtcacatgtg 360

agacnatcat ttttaagagc tttaattgac aatcagtatg ggctacattt gaaacctcta 420

aatggggttg gcaaagggac ttgctccaac ctgacaacca gatcctatcc atggtgg 477

<210> 3953
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<400> 3953
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agagtgaagg ttggnagctn gnagcttgag gagnacagtg tgnatgagag gtgacacaca 120

gcctcgtgtg tgtgntccag tcccactgct ttccctgatg agctcagacc cgctcatctg 180

gtgcctgggc agtcttctgg tctgcactgt catgaccatg ctcacattgg atgtcaggcc 240

attgcgnttc acacacgatg cccaaggcta cagcagaact agaaggggcg acttccctaa 300

ctctcaaagc cctttaaatt ttaaataaag ctctgtgctg aggaggtggt cagcagtcta 360

gtacactggt antcttacag agtttgggtt tccagctcct gcgtggtggc tcacaaccat 420

ctataattcc agttctatgg gaaatctggt gtcctctt   458

<210> 3954
<211> 529
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<400> 3954
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tatttgtcac agtaccattc atgttctgtt gtaactttaa ggaccaatga cctaacgtcc 120

ttcctggttt caagtcttca tggaggctct gtgtcaaggg gcagtggtga ggtgggagtg 180

tgtatcttac ttatttgtca actactgtta tggtttggat nttaaatgtc attcaaaggc 240

cacattacag gccgggtccc agtctatagt gctatctaga ggcaaaggca cttttaggag 300

gtggggccta atggaaggaa ttgggaggtg tttccttgag gggatatggg gactccagcc 360

ttttactctc tttgattcct agatgtgtga agtgagtggc tttatgccct gaccactccc 420

acagggatgc tcctacttgg cacagcccca aaacaactga ccatctgact gtacatagaa 480

acctctgacc cagaataaag ctttcttccc tttatattct ctttctcaa 529

<210> 3955
<211> 491
<212> DNA
<213> Mus musculus

<400> 3955
gaaatctctc cttgatgctt accatgcaca ggagctcctt gatggcacat ctctaaccaa 60

ccacagaagg agagaaacga aaagaagatg aaaaggtggc caaggaggta gtggatgttc 120

acagcacttt gatagcattc tcttcaaaat gacataccct gactgtgcag taagttcccc 180

atagagctga gctctaggct atgccttgcc ctgaaattta aaagtaccct gagaggacta 240

aggctctcat ctaagccaga gattctcaac cttcctgatg ctgagaccct ttaatggact 300

tcctcatgtt gtggcaactc ctaaccaaaa gattattttc attgctactt tatagctgta 360

aatttgctat gcttgtgaat aataatgtaa atacctgtgt tttctgatag tcttagttgt 420

cccttgtgaa atgatccttt gaccctcaac aaggttgcca ctcacaggtt gtggaccatt 480

gatctaagct c 491

<210> 3956
<211> 419
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (346)..(346)
<223> n is a, c, g, or t

<220>
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<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<400> 3956
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tgggggagat cagaagtatg gttaccacct cgatggccac tgtgaatagc agctctgcca 120

cttcatatgc ttggcctgac atcctgtcct agctgtgtgt catagtcagt gaggaccacc 180

atccttgctt ntacaaggcc caaagctctg cttgcccacc tgagcggcat gncggttcac 240

acagcctgcc tgccacgntt gttctctgga tctttgtgag tgctgggacc agagatgtgt 300

gtcgtcacag ctggtttatg tagcaacact agaagtgaat ccacancctg cncatgctag 360

tcatacgttn taccatgaac ctgtgtgcct ancctaagc ggaccatttg tgaagcgat 419

<210> 3957
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<400> 3957
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aaggggcat catatgcgcc ttacagatgg ttgtgagcta ccatgtggtt gctaggaatt 120

gaactcagga cctctggaaa ggcagtcagt gctcttagcc aatgagccat ctctctagcc 180

tgtntgctat ggtcttttct ctctgtgcac atgttaacta tcncagtaag agatcaatca 240

taattttaaa cttactaatt tacttatttc tgtacctttg ctaaccncca ggcaactaaa 300

aatgaggaaa gaaaaattga ggacaggggg ccttagtata tcttgtttca accatgtntg 360

atatattata gtttttttt ttcaacaact tttagtgtta gaccctatag gtttgagcct 420

ataaaaaaag gttgtcgcct ggcaatgttg gcacac 456

<210> 3958
<211> 466
<212> DNA
<213> Mus musculus

<400> 3958
agggctccat cagctgtggt atatggaaaa aaacggtgct tccacaagaa ggctttgctt 60

ctattaaatg agatttctaa gatagtgaag tttctgttgc gaagaagatg ctgcagatag 120

agcagatgct ggtttgtctt ttaaattgtt aagcacatgt attataaggt agttactatt 180

gaatggttaa tttttcactt ctactaatta aaatactttc agttaattat ttaaattagc 240

atagggatta aaagctgttc agtatttttt attgtattgg tgttacttaa tatttttaa 300

attaaataaa tattttatga gagtttcacc tgcataggtc agaagagggt atcaagaccc 360

cctggaactg aagttacagg cagttgtgag ctattgtgta ggtgctggga attgaatatg 420

gctcagtggt taagagcact tgaagacctt ccttgaaggt cctgag 466

<210> 3959
<211> 461
<212> DNA

<213> Mus musculus

<400> 3959
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tcccaagtgc tagttctccc aagtaccacc acatctggct tgaattaact tcaactaaga 120

tctttgtcta tacttgaatg atactggctc caagtggctt ctgttcatag tgaactgtac 180

catacctggg taatatatac aaattgtgaa aaaatggctg ggcctccagc cagtcaggcc 240

caaaccgcca aaactatgta aggtaaaggc tgacttcagc cagtcatatt gttcttgtct 300

tttcattggc tacaaattta actttgagct gtattgtgtt cataaggaac ttgttggccc 360

acctttgctt ggctgtaaaa cttcctgtgt tttgagataa acttaactcc ttttgggtgt 420

ttaataattg gaatgcagca tccttgagtc tatgtagtat a 461

<210> 3960
<211> 473
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (220)..(220)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<400> 3960

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acgtgtatta gtgttttgcc tgaatagtgt gtctgtgtga gggtgtcggc ccctggaact 120

ggagttacag gcacttgtga gctgccacat ggatactggg aattgaaccc cagtcctctg 180

aaagagncag ccagtgntct taacccntaa gccatttctn tagacctcaa tgtncaattt 240

ttaaaaaata cttagttttg tnctttcaga attttataca taggtataac gtatactttt 300

attgccctaa gctttggttt tactttgagt agggtttttg ttttgttttg ggttttttt 360

tttttgcttg ttttttggtt atttgaggta gcatctcatg tagtttaggc tagcctcaaa 420

ttccctatgt agtcctagat tgccttaaac tcttgatctt tctgcctcca tct 473

<210> 3961
<211> 495
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<400> 3961
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tagaancagg ttataaacag aatacccact cttcctaaaa actggatacn caatattcat 120

tattgacaca acttaattga tgtaaacact ctaggaagca aacattgatt tttctcagga 180

attaattgga aatgatcaat tactctatca gaatagtggc accacctcat taatcagacg 240

cncattgtcc tggtaggcta aggatgccct tttgacttag gaatatgcta gccctaaggg 300

aaagagctga aatcattaca gtgatggccg tctccagctg tctctgggag cgtcattgtt 360

cttaatactg aggttggggt ttgacttaaa aggagctcac catgtctgaa agtcctattg 420

tggctctatc cttttacaca gggagtgata tgaaacccaa cctgagataa gttccataca 480

caatgactgt catgt 495

<210> 3962
<211> 449
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<400> 3962
gaacctttac agtagcgact cagataaata gagacaaaag ggcacttcgc ttcctatgga 60

cccctgcctg tgctgagtga aaaggacacc tccagaagcc acaccatggt cctcagcctt 120

gccccgtaca cctcagcact ctgcccaagc tctgctcact agtaaaaaac catgctgacc 180

aaagatgact ttttgtgggc aggccctggt acagaactgg tgttttctgc accaaaagtc 240

ttggttcttc atggttgaaa aggcgccttt tggacctcac cactattttc tgaaagtgcc 300

tctcccccac tctggctgga aaagtgttct tntgaagtcc ccaccacaac cagactaggt 360

gaaaagcaag ggtcactgaa aaacttcact taactgcaaa actttaagaa cacttctcaa 420

taatgtttct gctgttcttt taagtgtgc 449

<210> 3963
<211> 272
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<400> 3963
tcagtgcggc ctgcaaaagg ccctagcccc atgactttgc aagaaacaga acccagggca 60

agctccccnt acgtcactcc caacactttc agaaagcctg tagctggcag ccgctgcctg 120

cacgcagggt tgttgacccg gaagcaattc aggaagtggg tggtgttggc tgtcagttcc 180

ggtgcatcag tgcatcgcag ttgcattcat ttgctgcttg ccagtcgtct ctttcggatt 240

tgggcatttg gagctggtgt cgcagatcct ga 272

<210> 3964
<211> 507
<212> DNA
<213> Mus musculus

<400> 3964
ttctaaccag cctcttcata aaatttgatg ctcgtgaact gtcagtgtgg tctgcctcac 60

atagtttata cgtactgtaa ggtagaacct gcattttgtt gattttatta gtccaactga 120

actttaggtt attttctttg tttgagacag gatgtctctg tgttttctct ttgctgtctt 180

gaaactcact ctgaagacca ggctgacctt gaactcagag atctgcctgc ctctgcctcc 240

caagggctgg gactaagcgt gtgccccaca atacccagct ctaggttatt gtattaagag 300

gaaatgctga atatatttga attatagtat gattatataa tttagattcc tgtatagtta 360

aaaataagaa tgccaatgga attagttttt aaatgtcatt ccaaaaaaga aggaagtagt 420

ataatttagt agagaatata gaaaaattaa aaataagaac tgtagggtat ggtgactcct 480

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gctgaaccca aggtcacaga tgtttgctcc tncctgngcc ccccncgccc gagacagggt 180

ttttctgtgt agctctgtct gtcctagaac tcactttgta gaccaggctg gcgtcgaact 240

cacaaagatc cacctgcctc tgcccctcga gtgatgggat taaagcggtg caccaccata 300

tcagctacag aaagcctgct ttttctgttt cctcgaaaga gtcttatagc ttcaagccag 360

aagtgatggc atgtggctct attcctactc agcagtcaga aacctgagct ctatacattt 420

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ngccagtttg catgagaagc agtcccagag atatgggggа atcttcagaa aggacagtca 120

acgttgtacc caacattgca cttcctcctg taggcctggc tccttccttt ctgccttctg 180

caggtcccag acaacacagt cagcnttaga tcatagncca gaggtcagga aatgtgccca 240

gatgggtttg ggtgantgag agcccaggat gtggcaatag agagctccct tcacctgggc 300

atggccctgg tctctctcan cctgctctct gcccttattg tgccagaagg aggcaggtgg 360

cagcagagat tacctctggt cctgcctggg acatgaactg tgatgggcga gtcaggtcca 420

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<210> 3967
<211> 397
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (191)..(191)
<223> n is a, c, g, or t

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tctttngagc aantgaagac cattacagaa aaccatcact ggacccaccc aatacacaga 120

tcatggggag tcaagtccag tggatatatc catatctaag gtcttgcctc tgcagnttca 180

gggtgggcat nacaactgaa ggaaccagaa taccacgatg cttgtgaatc agtctctcac 240

agaaatggat gcataatcaa gatctgaaca atagcaatat caatagacat actagctaga 300

aaaggggga gtcttatggg atcacattcc ttaataaggc actacagcta actgacaact 360

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<210> 3968
<211> 546
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ccataagatt cctggagctt tgtccagtat ttctctgtga gttttagcat ctgtttctgt 120

catctactgg gtggagcctc tcagaggaca ggtcagttcc tatctgcaag catagcaata 180

tcactaatag tgtcaaggga ttgtttcttg agatgggatg gtctcaagtt gggacagtta 240

ttggttggtc attccctcag tctctgctcc atctttgtcc ctgcattttt tgaacaaagg 300

acaaaatttg ggtcaaaagt tttgtgggta ggttggtgtt gtatccctta tccctctact 360

tgtggtcctg cttgataata ggaggttaga agggggggaca tctgaaagat ccataagaga 420

tgggaacaga gttggcaggg atgtttagct gaagagttgt ggatgaaact agaccatttg 480

atttataatt aagttataat tnatttgtct ttcattattc tggcaattgt tatgtgatta 540

ctctaa 546

<210> 3969
<211> 421
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (373)..(373)
<223> n is a, c, g, or t

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cggcacggtt gtctttaggc acacttgtgt gatccgtgac catctcagcc tggctctgtc 120

atgacgtgtt gacttttccc ttgacccacc ccatgcctcc gtgcgtagag ggacaagntg 180

ntccggaggc actccgcntg cgtcgtgcgt agtnccgagg aggaagagag ntgcccgtca 240

gccaggcgac accggatcac tgtggatttn tccctcctca cagtcccacc tctgccagag 300

gaaactttgc atgttgcacc cgtgttcttc ccgcaagaag tactgagttc tctgatcncc 360

tcttgactca gtntgagggc ttcctagttg gcccctagcc ttttaccact aatgactcct 420

a 421

<210> 3970
<211> 496
<212> DNA
<213> Mus musculus

<220>
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<222> (301)..(301)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

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tggtccccac tgaggcagca tctgaccaca ctccactgct ctggtccctg tgcaggcagc 120

acctcgccca gtccccatgt atctagtccc caccaatttt gtccccagtg tcgtagcaac 180

tcactacatt ccactgatgt gcagcgcctt gtcatgtccc acctacctgg tgggatacat 240

tgtaccagtc ataatcaaag gaatggacgt tcttgatctg agaaaatgac aagatgaaca 300

ngttgtanca ggcccgagag gcgtagagca agatgacggt gacaccaatg gcagttacct 360

gacacantga tgagccctgg aagacaaagc caacaggaat ggnccattgc tgatgtaccc 420

actgcaggca cactagctgc ctccctcctt gtgtatgtct gtctgtctgt ctgtacctgg 480

agcttgctga tcctct 496

<210> 3971
<211> 436
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<400> 3971
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aacctccctc cgnacnggga catctccttt tgcttgttcc cagcactgca gaacctctgc 120

ctaagatcag ttacaacgtc gtggatggac cgacggaccg tcgcagcttc catggagtct 180

acgtggtcga gtatgggttc ccgttgtgag tatgctgaac ctcagctagc atcagcaatg 240

gggcgcattt ctctctgaga gagctgactt ctctttctgg caaaagcaaa cgagaaaagg 300

aaactcggtg tgtgctgttc cctcagagtc tgcttgctca gagcctttcc ctggaaggtc 360

cctggatcca ccacagcagt gtcccaagta catgggtctg ttggaacctg ggggcttcaa 420

cttatggtcg gaaact   436

<210> 3972
<211> 495
<212> DNA
<213> Mus musculus

<400> 3972
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gtctaagtat ctgagagtct ttgattcagt gacaagagaa gtgtaaccct ctctgagaaa 120

ttgtgctcta gtctcaaaaa ggtggagtga ctgtagggtc tccaggcccg acctctgagg 180

taatgtctca gaattgagtc ttcagtacaa tagataaaat gtctttattc aggccgtcaa 240

gctgaggcac atccatgctc ttgctctgct gggtggctat ttgctgtcta gggctgccca 300

cttctgtgag tgctcaggca gctagctgta agggcgtgca gcctgcccca agggaaaagg 360

acagttggtg cagcctgttc tggcaccatc ctggtagagg ctctgccctc ctgtccctgc 420

cctcaagaaa ttcatcagct ccccagagac tgtaaggcat tatctcactc agccctctgg 480

ctccaagtag gaatt   495

<210> 3973
<211> 486
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtnggcagcn ggcagaggga gagacnggna ctgatanggg cntgtgaaat ctcatacccc 120

acccttggtg gncacacttc ctccaacnag gtcacattta cttcaagagg ctacacctcc 180

taatcattta aatcctttta acaatttcac tccctggtga cttaatattg aaatctgagc 240

ctctggaggc cattctcatt caacctacca cgcccacctt tcttttatct ccaccagaga 300

atgtaaaaca tgttttgatt tgtgaatttc ttcattctgt tataaaactt tcattaactg 360

cttcctggtt agatcactgg atttgaagta acccatgttc tttgctccaa caccatgttc 420

attagtaata catggcttga gaactattta ttatttccat ttaggtaaag gcatccctgg 480

gcctaa 486

<210> 3974
<211> 503
<212> DNA
<213> Mus musculus

<400> 3974
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gacagttccc aaacctgtat cagaacaaga ctgattctgg tttgttccca acaggggcag 120

gtagtacctc catcaggaca gtcccatggg cagtgtagtt ctgttatcac tgatgttgtt 180

aatttaattt ttttgcatgt cctattaaat tatttattgg gtgtggtgag gcacatgctc 240

tatagtgtat gggtagaggt caggggcaac ccaagggagt tgtttctctc cttttgggga 300

ttgaactcag atgatcaaac ttgacagcaa gaacctttcc ctgggggtag gagagatggc 360

tcagctgtta agagcactgg ctgctcttcc agaagtccgg agttcaattc ccagcaatca 420

catggtgact cataaccatc tataatggga tctgatgccc ccttctgaca tgcaggtata 480

catgcagatg tacttgtata cct 503

<210> 3975
<211> 470
<212> DNA
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<223> n is a, c, g, or t

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<222> (69)..(69)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (246)..(246)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caaactaant ttaacnggat agccttttct actccacaga gaacagaaaa gaggaagaat 120

aagctcgtcc tttcctctcc aaatctatgc attaccatgt gaatcctgac tatttacatc 180

cttatttctg tagagcagga ggtctatagc tgggcatggc tgctcacccc tgtaacccca 240

gaaatncaga atcacaagga ttaccctgag tatgaggcta acctaagctg cacggtgagt 300

tcctcagctt catagtgagc tctaggccgt caggggcttg gccatatgag accccatttc 360

taaaaagcgt gggcaaagtg ccaagatggg tcangcaggt ataggagctt gctactaagt 420

ccaacgacct gagcttgact cccatgatgg ccatgttgag tcttttacgt 470

<210> 3976
<211> 264
<212> DNA
<213> Mus musculus

<400> 3976
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cactacctca tctctgtatc taccctccac ctaaggtgta tgtgccatgt cttctacttt 120

ctcttccttt cttaaggatg ccttatactt gttctttact aagcccaatg tcttcacttg 180

tctcaactat tctcaagaat ttcatcaatt gtaactgtta ttttaaatat atgactcttg 240

cttgctgtca gtgtaatgcc tata 264

<210> 3977
<211> 329
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (77)..(77)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgggcaaagc ttagagntga taatgttaca aaacatttct ttnagctacc cacagaagct 120

agaaaggtat tctgtcctgg tgttcctatg caccacaggc catttgttga tatgaatacc 180

ctctaaaagg ctccttgacc cacattaaat tgggctcagg ggtgcatgaa ggtgaggaat 240

agcctactgg aagatttcca aggtttgctc tctgtcttac agtctcccag ccaggtatat 300

agcagccatt tggaaaagct cctgaaaaa 329

<210> 3978
<211> 493
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

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gcactacttg tatcagttct tcccggaagc tgccaggaat taagagcata atctctgtgt 120

gnttagtcag ctttgcactg ctataacaga ataccacaga ccagagcatc tattaaaaaa 180

atagaactgt actccctcac agttctagca actgggaaat ccaagatcaa gaggctggcc 240

aagggcaagg gccttctgct gcatcttcca tgactgaaaa gagcaagaga ggatgagagg 300

atgatgaggt aggaaagaaa gcagacagag ggaagggaga gagaggaggg aggaagtgaa 360

gctttctgaa gagaaacgcc tcctaacact gttatagtgg gattgagtct ccagtatgtt 420

tcttaaggat ccactcaaaa cataacattg tgcaaaccag cttagcccag tcctggctcc 480

tagtcaggat tgt 493

<210> 3979
<211> 438
<212> DNA
<213> Mus musculus

<400> 3979
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agtgcactgc aggtgggaac catgtcggag agttccgtaa tatattgagt catcttgttc 120

cgcctgcgcc gctcaatctc actgtggttc tctcttccca gaaagcaaga ggtcaggggg 180

agggaaaaag agaaggatca gaccaggggt cggtcagcag acattgggat aaaagaatac 240

actgttaaca tcagatagcc aaagtcctgg acctaactca taatggctca gtgttttgag 300

tagttgtgga ctgaatccct gacacatctg taactcgggt ctttgtgtgg gaagcatgga 360

cctctctctg tgcctccttc tctaaatatg tataggctct tccggaatta cacacatacc 420

tatggacttt tgaccagg 438

<210> 3980
<211> 447
<212> DNA
<213> Mus musculus

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tgtaaaaaac aacagcgctc accaatacaa aaaacaatga aacaaagtaa ataacgacca 120

gagaaatacc atcaaggtag cctctgctat aggcgaagcg gaatattccg tatacaaatg 180

gatgaatcag atagagcgag taggatgaat caccaatcaa ggtaaacaac ttgatatttc 240

gcacctttcc aattgtatcc ataccggcaa gagcgaacac caggatcgcc gcagggatac 300

cggcacaaat aacccggccg aacttttcat agtaaccaag cataacgatg aacatcacta 360

tggcgatcaa taccagtact gaatgcgcga acatgccaag gttgattttt ttttgcgtat 420

acaaatgcgc aatcaatact cccacga 447

<210> 3981
<211> 406
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (113)..(113)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaaacaaagg ttaaatgtaa attagcatcc aacatttttt tnccngntgn tanttagggt 120

tttcngtaaa gttttatttt catgagagca tatgaattaa tgtgttttaa aataaaatat 180

gtttaatcaa agactgacaa catacaaaaa taaattgcct tggaaagaat cctataacat 240

ctccagcagc atctgaggtt aaagcatacg ttgctctcca ccacagtttt aattatgtca 300

ttatttagtt tggaaatctc tttccttagg acgcttactt gctcaggttt agtagctatt 360

tgtaaagcag gtctgtagac agcgttttct ctgatggctg aagttt 406

<210> 3982
<211> 489
<212> DNA
<213> Mus musculus

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<222> (87)..(87)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

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accagtgtat ttcagtgctg tcgaggnacn gnactatgta ttctaatgtc gattccactc 120

ccttnaacaa atgaccaagt ctagncattt attgaagnca gtgctgttgt acgtattgat 180

agctgtatgg ccatttttcc tttatgccat gctgtcctgt ttgtccttgc ccacatgagg 240

tgtttccctt ctctctggca tgcataagag ctgttcttca gagtgcaagg atgtctgccg 300

gtgattagcc ctgtgcctag atctcctccc aaaggccatc aatcattgcc attatgtgtg 360

gggcagatgg gtaattcagg agcaacctgt gtcctcagcc acttggctgc tggctgggtg 420

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cacacatgtg tgcaaattat ttcaccaggg ttaacttnat gttaaccctt agtgtactgg 180

atgatggaaa gggcttcggg aacatttgac ctccntttta aaggagttac cattggcttn 240

tttctggaag gattaaccaa agccacgagc agacaaagca accccttatt cctaacaaga 300

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atagaacggg gaaacccaag gttcataagc agtcatccaa cccnagggtg cagacaccac 120

taacaacang gaagccatcc ttaaatatga anncagtatc aanggataat nagatatcta 180

ctacagggat cactaccgta gcatcttgct tataaatacc tgagaatagn agcagactgt 240

caacaagcct agtaataaat cattgccact tgcaaataac tattttcatg cctctggaat 300

aatatatagc ttgtattact cacaaggaaa ggacacaagt taaccttatg ttcttttgaa 360

tattaaatat cagagtacat tagactattt catttaagaa gtatatgtga ttaaaatgat 420

ggctattcat aattactacc agagggaaca gtttctgtct aaaagtattt cctgaactaa 480

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tgcacagtgg ggggtgctta tgttctggtc tgtgntaaat tctaatttct ctacaacctt 180

tgcgacttta tctcaaaact atnaagggat tttttaaaan cagattagtg ttggcatcag 240

taancaaatt aancatcttt aaaatagctt cattggtttt cagaattggc ccagctgcaa 300

tcaaacccca tgcgtacagc tgatggagca gatggatgac cncagtgggt ctgtggcgtc 360

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tgcggggata gagcctagag gattggtctt tggctcttta gatttgagca ggaactcttg 180

ntttatgctt atcagtactc atgtcatttg atgtacttgt gccatctctc ttgggccttc 240

atccctccac cttggttttg aagtcttttt cacatgtact ggccttaatc gtattttcgt 300

tcttctttga atatgtcttt cctccccttt atctctgaag tctcccttta gctacaatga 360

taagtatatg cctacagtgc ca 382

<210> 3987
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<212> DNA
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tggtcacttg ctactttgtg cagaatgatt tagaagcatc taaaggaatc cagctagaaa 120

acaagacagt agtccataga tagtgttgaa gttggaagaa ggggtggtag attcagaaat 180

tctgcagaga agactgactg caggacagaa gggggtggct gtgagaacaa gagcagaggg 240

gtcatcagca ctgaggttcc gggtctcaga cagctgaaca gatgtcagca tctgtccttg 300

ttaattatat tgaaggccac attcttgcag ttgggtgcat tcttaacgaa tgccaagtac 360

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cccagggtct gtctctgcct ctctagccct gggattacag gcctagtacc aaagctttgc 180

ttttctatct gagttctgtc tgggagatca cactcagatc ctgcacattt tgtagacctg 240

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gcttggggaa ggggaattgt gatcaggaca tgtttcatgg aaaaaagttt tatttaaaca 120

aaacaaaaca gcagggcagt ggtggtgcac gcctttaatc ccagcactcg ggaggcagag 180

gcaggtgaat ttctgaattc gaggccagcc tggtctacga agtgagttcc aggacagcca 240

gggctacaca gagaaacccn ntgccnccaa aaaaccaaaa aaacaaaaca aaacaaaaaa 300

cccaatcatt gggcctttga gatggctcag caggtacatg attgttttac agtcttgagt 360

tgaaacgcat gacccacatt gtagaagtaa caaaccaact cctgaaagtg ggccatggca 420

cagctacctg tatatataca tactaaacag agatcaagca gggcatggtg cctgagacct 480

gcagaaa 487

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<212> DNA
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tcagtgcccc acactcaacc acacgtgccg cgggatgctg tgccaagcaa gccctgcctg 120

gctcccacca gctcccttga gccagtgcag agatggcaga agtgacacag agggaaggtc 180

tgaggtttct gtgctgagca ggctctctgc actccagcta acagacatgt atgacatctt 240

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caaaatttca aggcccatct ccntcagtga aattcttagg aagtccagtg gtntggggcc 120

atgcagagaa tatccttcta ggtgaagata agttatgcac ctgcccctcc tacaaccaag 180

aaagaagcac aacgtttagt gggtctattt ggattctgga gacaacacat ccctcacttg 240

ggtgtgttac ttaagcctat ttaccaagtg actcggaaag ctgctagctt tgtgtggggc 300

ctggaacagg agaannccct tcaacagntc caggctnntn tncaggntgn tntaccactt 360

ggaccatatg acccagcaga cccgatggta cttgaggtat gctcnagtgc atgatcgatg 420

tacacagtgg aacttcatca gggctgaata atcccaaata caggtgaaca ctat 474

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<212> DNA
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gttatctctg gcctctgtga ggcccagaga cctcagactg ccccttgtcc acctcccccc 120

ccgagggctg gggtctgtgg cttctcacag ccagacaccc accggggctt cgtggaaagt 180

gttttgcagt cctccgtttg cctgcccaga gcacaggaac tctgacggga ggcgggtttt 240

ctcccaaacc ctttattctc ccacacctgt tgcctgactg gtcttaaaag agaaagtgag 300

taaatctacc aaagaaatct 320

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<212> DNA
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tcttgagttc tttaaccctc tgtcagatat agggtggtgg agattctttc ccaatgtgta 120

ggctgccatt ttgtcctatt gacagtatct tttgccttac agaagcttta cagttacatg 180

aggtcccatt tatcaattgg tgatcctagt gactgagtca ttagtgttct gttaaggaaa 240

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tctttgggtt gttgctttgt ttcttagaca ggatcttatg atgttcaggc tggccttgaa 120

ctcactatgt agttgaggat gagaattcct gcctgctggt tatactgcca cttccaaata 180

ctgggattat agacatgtgc cactacgctc tgtttataaa a 221

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gtgcaccaag tgctgctgct ctgtgagcac tttcaggagg gangactctt tccttcctct 120

acagacagac tctaatnaan gagacatcct tcngccttct gtccangttc ctttcnaact 180

ataaaactna gagaaataca tagtgctnaa gagtcataat cctagtgaat tactattctn 240

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tttacatact tgtttttaa catcaaagtg ataggtttca taatcaaatt atcctacana 360

cttgctttta aaatatccat actaatattc aagtcctttt tattctaaca agaagttaaa 420

caacatatta agagtcttta aaaaaaaatg acaggactgg ggtaaacctc agtggtaaag 480

tacaggccta gcgt 494

<210> 3996
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tttagagtat cgacacaatg aagtctgata ttgcacctaa gttccatatc acatgacctc 180

agtagggttc tctcaaatca ccatttcctg cttttactct caatgaaaag aaacagtttc 240

cactggaaga aacataggcc aggctttngg agtctaggtt agtaatagca tttgggggct 300

gtaactatgt ggccactcag ggtctccagt gaccagngan gaagtacaag caagatgttg 360

ctcttcagga gtcatatgat gactgtcttg gttgtcaact tgactacatc tggaaataac 420

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tntggtnaag tcacttcccn tatctgcctt ttattgttcc cattggtaaa gtccccttta 180

agcccattgg cnnctttgca tgttgatgtt catctggagc ggagggtctt actggctccc 240

ggtaaatcca ttgtacagag tagaggggaa agacgggaaa aggcttatgc ctactcctcc 300

tgagcccctt accctacctg gtcctggcag agcatctgaa gagcaaggtc tctcccatcc 360

tctgatcctc cttgcaaacc ccccccccc ctgttttcaa ttcctttcct cgtgatcctg 420

ccaagtaaag tcactgtgac cacacacaga gggcggggac agcccagaca tttcaacttc 480

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<212> DNA
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ncnngnnnnn nnncccttnt acttagnang tntggcccct cctctntngc ctcttctcca 120

nccattganc attgcncatn ggattncgaa gtgtncagta ngncagtgaa atctgtggca 180

gncagagttt gtaccataaa aagaccccat acatcacacc agtaaaatag gacattcaga 240

gtgctcacat tctttccttt ctcatatgtg tgataggtag actcttagtg ttaa 294

<210> 3999
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<212> DNA
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aatatcttct ntggacatag tgtccctcaa atcagaaaaa tgtctcattt gcaaagctta 120

aagaaacttg catttatgaa catggtaata cctgggatac atatacatct atctatatgc 180

actcacacac acacacacac acacacacac acacacacac annnngccaa agacaataaa 240

tacatagtcc tgacaaac 258

<210> 4000
<211> 443
<212> DNA
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<220>
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<222> (98)..(98)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (354)..(354)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 4000
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aaactgctca ggctgtgtct taagatgatg tacccccncc ccccttcctt ctggcctcta 120

tactcccctg gaaggttttg aggaagtgtc attttgagaa ctttgctgag atggtcgctc 180

tgcctcccgc tgcttccttt tcttgggcaa cgcaaagttc ctggtttgta gatttctagt 240

tggatgtgat ttaatacccg gaggtgaaca agtccagcct gtttcatgtc tgtggctttg 300

ctcctnggct nggagagant ggtgggtana gacacacntt gaattctttc tccnaaacat 360

cttgagagat gaattactct tgtactttnc aaggcttaag gtagaagcgt attctgtaga 420

ggttgatctt gactttgtga gct 443

<210> 4001
<211> 379

<212> DNA
<213> Mus musculus

<220>
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<222> (26)..(26)
<223> n is a, c, g, or t

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<222> (44)..(44)
<223> n is a, c, g, or t

<220>
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<222> (49)..(49)
<223> n is a, c, g, or t

<400> 4001
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acccaggaga aaggagaagg cttatcatta gctggcagat gacagttagt ggaagtcttc 120

tgtggcagtg aaggtaacag aacctctgtg agatctagga tggtttgctg atatctgctg 180

aagaagctgt agtccaaagc ccatcatgac ttctgggact tgagaggaac aaaaggataa 240

tcgtgctgtt ggacagtacc agcacagctt tatagccaca ccttctcttc ctcctcccca 300

ctttctcttt gtcctcctcc tcctcctcct cctcctcatc ttcctcctcg ctagtctgat 360

agtactccta ctcctattt 379

<210> 4002
<211> 462
<212> DNA
<213> Mus musculus

<220>
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<222> (248)..(248)
<223> n is a, c, g, or t

<220>
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<222> (258)..(258)
<223> n is a, c, g, or t

<220>
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<222> (274)..(274)
<223> n is a, c, g, or t

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<222> (325)..(325)
<223> n is a, c, g, or t

<220>
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<222> (378)..(378)
<223> n is a, c, g, or t

<220>
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<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<220>
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<222> (413)..(413)
<223> n is a, c, g, or t

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gaaggcaagt ctgggagttc ccccaaaggg taagagactc tcaaagttaa ccctattctt 120

ttcctcctcg tagaaagtct gctgacctct gccccagaga aagtacatat gtatgtctta 180

gaactgtttc tccaagacat tatcaaaatg ccccaatttt atttgaattc cagtgtattg 240

gtttttanct gaagtacnat gaaaatcgat aggncaaagt acttattttt acaaatgcca 300

tccttagact caatattttc ttttnttctt gaaacctaat ggagtgagtt taatctggat 360

aattttaaac catggtantc tctatcaatn tggnatatac atcatatnat acnctgggtg 420

gcatttaatt gttaaaaaca cattgatcca ttttgtttaa at 462

<210> 4003
<211> 426
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<400> 4003
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aatcattaag aaatttaatg ttttaagaaa cctattncca taagaaatgt ctagatccat 120

atatcttcac cagagaattc tattaattgt tcacactaaa aggtgaaaac aaaattatat 180

tcccagaaaa tatgagaagg aaacaccttc caataccctg tattcttaaa tgagtattat 240

aggcataatg cctatataag agtaacaata ttagtttcaa attttctatc aatgtagtaa 300

atttatacta atgtaaaatt acaacttcac tttgtatcaa atataacgtt ttctaccaat 360

gtaaaggtgt ggctatataa tgctttgctt aagaatacat ttagtaatcc attccatctg 420

tttcct 426

<210> 4004
<211> 268
<212> DNA
<213> Mus musculus

<400> 4004
ccacctctaa gtgagtacat acagtgtgca tccttttggc actggttacc tcactaagga 60

atatgctctc aagttcccta catttgcctg caaatttcat gtctgttttt aatagctgaa 120

tagtattcca ttgtgtatat gcaccggttt ctttatccat tcttcagttt atggacatct 180

agtttgtttc tagtttctgg ctattacaag taaatctttt ctaaacatag ataactgttt 240

ttgtggcacg aagtgtctct tgggtata 268

<210> 4005
<211> 464
<212> DNA
<213> Mus musculus

<400> 4005
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ccagaggtca gaatctccct gagagcttgt tagcccccgg ggcgccaggc ccgccctgct 120

gggctccagt tcatcttctg aggcaagctg aaaatttgca tttgtaatga gatccttagc 180

gatgctgctt gcctggggac cgcaatttga aagctacacc cttgtcctta aagaccttcc 240

ttctctctgg cctgggtgcc cacctggtgg aagagctgag ctgtttcctt catcttcagc 300

tcccaagaga aagccacagc ccatctccgg ggcatcacac ctgtcttctt gaagggcaaa 360

gactaggacc catgtgagca agcacagagc tacagggagg cccttgttgt gatgtgctct 420

aacacctgtc tgtctgtctg tctacctagc atgtatctat catc 464

<210> 4006
<211> 85
<212> DNA
<213> Mus musculus

<400> 4006
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atcccgggat atcccaacac tggga 85

<210> 4007
<211> 272
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

<400> 4007
gggatggaag ccagtcctcc tgagtatctg cccttgagtc acatttctgg gtctttcctt 60

gtcgcttaga tgcaaactta atctttcagc attctaaaag ttattttccc ttttagttaa 120

aaaatattag ccgggctatg gtgcataccc ctttaatccc agcactcagg aggcagaggt 180

agtcggatct ctgtgagttc gaggacagag cgagttctag gactgccagg gctgcacaaa 240

gaancnctga cttagccgag cgtggtgttg ca 272

<210> 4008
<211> 340
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<400> 4008
acagacatgt ctgcactcac tttctctctt ccgatctcca aaggctctat gctcaagtgt 60

attgactgac acacagacat tcattctctc tcttaaaata attgtcaaaa tatattaaaa 120

atctctttag gatcaagaaa ataaggcncc ggcaaagaat taaggagagg caaggaattg 180

atctccactc tgtggaaaag ttagtttgcc aaaactctcc ctttgtaaat agctcttttg 240

tggctcccat gctggctcag caggtaaagg tccttggcgc caagcctgaa gaccagagtt 300

caattcctgg gagccacaga gtggacacag acaacctcct 340

<210> 4009
<211> 316
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<400> 4009
ttttttctgt accacaactt tatagtataa ctnaaaccct aaatattnaa aagatattgc 60

ctctgaatct tttctggagc aacagctact ccacagaact ttaaagctca ttgtgtgaga 120

gcaaagattt gaaataaact tcccttgaga ggcattagct aataaaatac ttccacttag 180

gaaacaatat acactgaaag attcaaactc ttagcttctt gtattgaagc agagacaata 240

aaatttttct tacataatgt aaagctatat tagccatacc tagaggcaaa attttccagt 300

gattaccagt tcacta 316

<210> 4010
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<400> 4010
tcagcagttg gttctggtat atggtaaaga aagccttaat tagaaagttt taaaatggtt 60

aaaatttatg cattgaagat ttataaaaaa tcaggcatta gatgttaaat aataattaaa 120

catatggggt tggagagtta gcacggcggt taagagcaat gaccatagag atttattaac 180

ctgctcttgg aaatatgcca ctagccttgg atgtctgccc tactgaatac atccttttcg 240

aattgttata atttgatgat ttatactaat aatgatatta cctgttctgc ttgtgattca 300

ctgaatacat agtttcagag ttgtaatatt tggatgattt ttgtgcttta ctctgccaaa 360

tgatttttgt tggtatttgt gattgttttg ctggatncag tttttaagag ttgtaatgtt 420

tg 422

<210> 4011
<211> 348
<212> DNA
<213> Mus musculus

<220>
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<222> (51)..(51)
<223> n is a, c, g, or t

<220>
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<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<400> 4011
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gagcatcaga gttttgatta atgttgaaaa tcggatgatg ggctgtgctc ctgagccttt 120

cattgctcag gttgctgctt gtttcctaga gaactacatt ttagagtgta cttttctgct 180

tgaacgctct ctttgaatct caaaactgta ccagattata gatgaaattg gtttgagtct 240

attgaagtct tgttgatacc agaagactta ttaaaggtac ccnttaatta aaatcaagaa 300

acnaaacnca taagtgctaa gatactgcaa gccctattgt tgactaaa 348

<210> 4012
<211> 337
<212> DNA
<213> Mus musculus

<220>
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<222> (54)..(54)
<223> n is a, c, g, or t

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<222> (57)..(65)
<223> n is a, c, g, or t

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<222> (67)..(67)
<223> n is a, c, g, or t

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<222> (74)..(74)
<223> n is a, c, g, or t

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<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

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nnnnncnaca catnagatgt ctaataaaca ataagctttc tctctcatag ccttggagat 120

taggnaattc anggtcaaga tgtcagtaga tttggtgttt catgagtcga ctttctagtt 180

tacagatagc tttctgtctc atattcttcc ttggtagaaa gtgcacagga gctttctgtg 240

gtccctttc taaaagcagt gacctcattc ttgaaggtca cgtgcttatg acctcatcaa 300

catgctctcc ccatctctct gggcactagg atctaaa 337

<210> 4013
<211> 368
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<400> 4013
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agtgtcatgg accctgcang gtgacagagg gacatcaccc tcctgagcct gcttcactgc 120

ataggccaga aggtgggggc gaggcctgtt ctttccttcc ttctgcagcc tacttatttc 180

aacatggctc actgccaagc tatgggcact aagattaggt aggactttag gtgggttggg 240

ggacaggttc tgcctggtct ggcagagggg ggccacctta ttaactcact aactgtgccc 300

taagaatttg atgtcatgaa tgctgagata cctgtgacct tcctgttccc ctctaaccaa 360

agccatta 368

<210> 4014
<211> 379
<212> DNA
<213> Mus musculus

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<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<400> 4014
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caaatgtcct atataagccc tgcctcatgg attctgattt tgtttgtctg gtgtgggaat 120

caagtacatt attccttagt agcatgctaa gttgactgta atatgcagct tgggctacaa 180

atccttgctc tgcatgagaa aattcactnc cttcacacct tagagganta tgattttgtg 240

nccataaggc tgtagctgag tntcaattct aaccacagag aaggnccttt tgttaccacc 300

tcagtagagg tgaagggatg aggcagcttg ggtgactcaa aacctgtgag ggacagctcc 360

caggttgtca tctgtatga 379

<210> 4015
<211> 169
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

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gagggtgctg ttcccagctt ttcttgatag gcctagtaca atnttgggaa cagggtttct 120

gtgtggtgaa ggtttgccag tagcttttag tcttgcctat cttagggag 169

<210> 4016
<211> 390
<212> DNA
<213> Mus musculus

<220>
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<222> (114)..(114)
<223> n is a, c, g, or t

<220>
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<222> (207)..(207)
<223> n is a, c, g, or t

<220>
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<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<400> 4016
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tctgtctcct gtggggctat gccagtgcct ggctaataca gaagtagatg atcncagtca 120

tctattgaat ggaacacaga gtccccaatg aaggagttag agaaagtacc caaggagctg 180

aaggggtctg caaccttata ggaggancan caatatgaac taaacagtnc tccccccccc 240

ccaagagctc atgtctctag ctgcatatat agcagaggat ggcctagtag gccatcaatg 300

ggaggagaag cccttggtct tgccaagatt atatgctcca gtatagggga atgccagggc 360

caagaagagg gagtgagtgg gttgagaagc 390

<210> 4017
<211> 414
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<400> 4017
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gaacctntgg gctctataca gggaccaggc cattacaggc tgatggccct aatgtgtttg 120

aaagtgtatt tgaattttaa gttctgcatt tctgaggtga tgacaacctt ccagaagtca 180

gaaacgagca tcttaaagat tagtagcttg ttcaggtata gctagatgtt gagctcattt 240

gtggtggtgt ggatggaaga aaataaagca ggtaacaagc gtaattgaag gggaccaatg 300

ccatgtaagc ctggatctcc aactccagga gagtgggagc gagcagaaga ggaaattagt 360

cctgacagtg ggctgtcctt cagcttcctg gcatggaacc ttagctcaga atct 414

<210> 4018
<211> 409
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
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<222> (67)..(67)
<223> n is a, c, g, or t

<220>
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<222> (84)..(84)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

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<222> (94)..(94)
<223> n is a, c, g, or t

<220>
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<222> (97)..(97)
<223> n is a, c, g, or t

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<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<400> 4018
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aaagcangaa agatatcagg aagnccaanc anancangta acatgaattg ctgctctgtt 120

atataagaac tcctatgaaa ctgactgagn cataaaaaca tttttaaaaa tatatagcat 180

gtaaaantag ccagaatttc aactatgcat agacaatcaa tattcttgga taccaaaanc 240

atcaagactt atcatgacat catttcaaat gatatacata gaaaatcaaa ttacggtttg 300

gttaatgcaa tccaaactga cttgtaaaga aagaaagctg ccttagctgc tcagaggaca 360

aagaatcatc tttagctaaa atgtgcacct gcagattcca tgcatgtgt 409

<210> 4019
<211> 396
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<400> 4019
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tnaagggttt cgaggtaggc tgcctgcatc ctaatgagat gtattacttc tcagtcatga 120

gctgggtgac tcatgaccct cccatgcctc agtttcttca tccacataac aggaatccga 180

gtagtagagt agccttgtag agtgttagga ctaattttac aatcctgggg tcagggcctg 240

aagcccagtt aagcactctg agtttggtaa ccgaggctgt atgtgcacac tcccatgaca 300

gctaccacca cactcataac tcatgccatt ctggccacag aagtcctttc tcctcaaagc 360

tcaacaccca aaatgcatag tgctgaccga gactca 396

<210> 4020
<211> 323
<212> DNA
<213> Mus musculus

<400> 4020
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gtttgaggca accagataaa agttgagtga caggtgtcag aaaggcgtgg atgtgagggt 120

gaggagctgg ttgtgattta gtctgagaat gctcacccct gcagacaagg gagaaaggta 180

tggatgagcc ctgcctgctg atagatgcat gttcttcagg cagcttggag gtgaagctaa 240

gtcagttagg aaacaaccca gacttcactt ttcccaaagg gaatatgaaa cttgcctctt 300

tagaaagtcc agctgggccg ggc 323

<210> 4021
<211> 339
<212> DNA
<213> Mus musculus

<400> 4021
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gtgtatcaaa gtgggcagag ggagaggttt cccattcctc ctaggagtct tagagattcc 120

tgccttactt tgttgtgtag tttgttggct ttttggggtt ttcttgtttt ttgtattttt 180

gttcttgttt ttgtttttta gctttggtgc aatgtgagtg tcaaaaggtt ttattttgac 240

attttaaaca agaccaaatc aggcccaaac tgcctccata gaaggtgctg gggtctttca 300

gaatgcctcc ttccaatgga taaagacgtg ggcagcccc 339

<210> 4022
<211> 269
<212> DNA
<213> Mus musculus

<400> 4022
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tctaggaatc attggatgtc tcaaggaggt ttccatagaa atacaatggg ttggaaaaaa 120

aatctgtatt gtgtaaaatc agtgatttct ccaaaatcca aaagataagt aaaaatgttt 180

gggattttaa ccattgaggc tactcaatga ggaaagagtg aaaaggccac gggtttcagt 240

gcattgctcc tttatctctt ttccagagt 269

<210> 4023
<211> 417
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

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<222> (229)..(229)

<223> n is a, c, g, or t

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ggtngtgcac agctgtagtc tgagggctga aaggtngaag cctttagaaa gatcatgagt 120

tagagaccag ttctggcaag acccggtctc acagntttaa aaaacaaaac tacaggaact 180

ccttcatanc aaagaaatta gcatgaagat gagactgtag tgagcattnt ttatggcacc 240

taatggcagc cagaaggtgt cactcagaga agtcacacct gagcccaggc tgacccccaa 300

cagctttaac tgctcactgt gagcatgcac aagcaggcac acagctctag ccaggagcat 360

ctcaagtggg gacagtgatg ggacagggct ggatttcttc cctcaactca agagtct 417

<210> 4024
<211> 366
<212> DNA
<213> Mus musculus

<400> 4024
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atggtggtag gtgtctataa ctcctggttg tagcaggaag agtccaagtt gatggtcaag 120

ctgggccacc tggcaggaca ctaacaacaa aaattttgct aagtgagggg ctgaagagat 180

agctcaggct aagagtgcat gcagctgctg cagagatcca ggctcagttc tcagcatcca 240

ctcaaggctg ctcacaatca cctggaaccc cagctctcgg ggattcagtg gcctcttggt 300

ctccacatgc aaccggactc acatgcacaa acccccacac agatacagat gcatacccgt 360

tttata 366

<210> 4025
<211> 421
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (107)..(107)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aacagggata gcgccccatc ctaaagtggt ccttccaggn ancctgngta agaccngcat 120

tgagctagac tgcagcatcn aacagcccna gtgtcagttt cagctttcca aatnaagcat 180

tactgtttat atcatagcca cactcgttac cagtggcatt aaggaatgca agggcccngt 240

tcaagggtca ngatgtaatc ttcaaaacag gnacttacca gttacaatcc tgaaatcact 300

gcactcatgg ctccatcctg gggtgacngc tgagcatgga gtggaaacct ctacaggagg 360

gcgtcacacc cctggctctg gtggccaata ctcaccacat tttgccttct ggagtcccat 420

t 421

<210> 4026
<211> 244
<212> DNA
<213> Mus musculus

<400> 4026
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cttttcaaaa ggtgctgaag accgccctca tccccgatgg cctagcacgt ggcatacgcg 120

aaactgccaa aaccttagac aagcgcccag cccatctgtg tgtgctcgca tcccactgtg 180

atgagcccat gtatgtcaaa ctggtggagg ccctttgttt tgagccccca atcaacctga 240

taaa 244

<210> 4027
<211> 338
<212> DNA
<213> Mus musculus

<400> 4027
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gcacagggga gccgcatttg ttgatcaaat ttggctggct aacactgtga tctcctatcc 120

tgaagtgcag agatgtgcct ggaatatgta agtgcaaagc cagcctcctg attgattgat 180

tctgcctgtc acagaacaag ataaccggat cagtaaatac cctgtgcact caccatcgtc 240

cccacaatca aaagtgaggg catcacgggg ctggaaaaca ctggggcatg atgggatgca 300

cacatttcca aaggataggc aggaacacat ccacagac 338

<210> 4028
<211> 381
<212> DNA
<213> Mus musculus

<220>
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<222> (179)..(179)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (355)..(355)
<223> n is a, c, g, or t

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caacgttgcc actgaccaat tctgaaaggt ctggcctgtg gtagcagcag gcaaagacta 120

cccaaggaaa cccaaaccct gtgccacaag caattattga aaggcatcgt gggcgctcna 180

aaacctaanc acggatctaa acacgtggtt aaaatgatga gttcttccga cccaggctca 240

ggntaaagga agagaaaggt acagagcatg ccagctcacc caagacccgt cctgaatacc 300

cttaaatacn cctagtgtag atggntntct nccntcctta ctggtttagt ctaanccagt 360

tcatgtaaaa cccacgaaac a 381

<210> 4029
<211> 378
<212> DNA
<213> Mus musculus

<400> 4029
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ccgtttccat acagggtctc ttccttcggt cttttgtatt tttgattgtt atgtaaaact 120

cgcttttatt ttaatattga tgtcagtatt tcaactgctg taaaattata aacttttata 180

cttgggtaag tcccccaggg gcgagttcct cgctctggga tgcaggcatg cttctcaccg 240

tgcagagctg cacttggcct cagctggctg tatggaaatg caccctccct cctgccgctc 300

ctctctagaa ccttctagaa cctgggctgt gctgcttttg agcctcagac cccagggcag 360

catctcggtt ctgcgcca 378

<210> 4030
<211> 412
<212> DNA
<213> Mus musculus

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<222> (165)..(166)
<223> n is a, c, g, or t

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<222> (183)..(183)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (247)..(247)
<223> n is a, c, g, or t

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<222> (261)..(261)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (317)..(317)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gggctcccac cgatatgggt tgggcgttgg tgccaaagct gagggcactg tctccggggc 120

ctccagcttg tctcttcctt caaagccaaa ggcccctggc tcctnncccc tttgctgctg 180

cgnggtccgg tacancctcg acctcaccac cctgttgcac gtggaggaaa naggtggtgt 240

tagttgnccc tttagtttgt ntgcaacctc agtggttcag cncctcatca caggaggcag 300

acagggacct gtttgtnatc agagctctgt ttttgctttt gtttgagact gtctccacag 360

cccagacngg ctttgtactt gaaatcctcc tgtctcggcc ctggcgctga at 412

<210> 4031
<211> 363
<212> DNA
<213> Mus musculus

<220>
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<222> (84)..(84)
<223> n is a, c, g, or t

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<222> (130)..(130)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (211)..(211)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (221)..(221)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttttcttatg tttggaagtg tgangctttt atttgtttgt ttgtctgcct ggttctttct 120

tgcacacgcn gaagacagct gtgctgctct cttaatggtg ggattttacc ttgaaaggac 180

caagtgttcc acacagggac ttcanagctg ntcnggtcca ntgtgctcta gagccagggt 240

tgtcaacctt cctgatgctg tgaccctgta atacagttca tcgtgntgtg acgaccccac 300

cccacacacc ataaaattgt tttgttactg cttcataact gtaactttcc taccgttatg 360

gat   363

<210> 4032
<211> 374
<212> DNA
<213> Mus musculus

<400> 4032
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gtaacatgct tcacttattt cctccattgc tgagattctg ttccttacat tgtaaacttg 120

aagaggaaac caaacctgat aatgtggtcc agtgagcaca cccatgcctg tgaattctac 180

ctccagcaca accaagcctg atacctcaca caagcaaaaa caagagaagg aagaccagag 240

gggtcttcag aggccacagt ttttccattg ttttctgtgt tttaaaacag atgctgtatc 300

taaccaaagc tgtgaaagaa atgttctctt tggtcaagtg acatggtccc cattccttgg 360

attctgttct actt   374

<210> 4033
<211> 350
<212> DNA
<213> Mus musculus

<400> 4033
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aaggcttctc attccactaa ctctcctctt tccaagtgtt gctgctacaa ctagccaagg 120

cttccagcaa atccttaggg aagctacatc ccacttccag attagcaaaa atgctaggaa 180

aatagcaggc attgctatta gaactacatt cttgctttga tttcattttt ctttgctaga 240

agaagtgaat cggggctggc cataatttac accagtaatt acagccctta gaagagggag 300

acctgaggat caagaattca acatcaaggc agctacatcg taacttcaag 350

<210> 4034
<211> 364
<212> DNA
<213> Mus musculus

<400> 4034
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cctagttgat cagaagcagg cagaccccaa gggtccagtt tatcctctgc tcttgactat 120

ggatatgatg tgactagtgc ttaagttcct gcctcgactt ctccacaata agggactgtg 180

acctgtgttg ttggttgttg ttgttgttgt tgttgttgtt gttgtatttg gggggtgggg 240

tcagggtgcc ttcccagggc atcagagtaa aactggaaca atgacacatg tctgtgatcc 300

cagcacttgg gggactaagg caaggggcct gaggattcaa ggacagtttg gactttgttg 360

tgaa 364

<210> 4035
<211> 380
<212> DNA
<213> Mus musculus

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<222> (145)..(145)
<223> n is a, c, g, or t

<220>
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<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<400> 4035
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ctttataaat tcttgttcat aagatagcat tttctatgct gttttgctaa aaattaaaga 120

taatacttgg tcccagaagc acacntgctn cagcgatcnt aatttgctct aaagctgagc 180

caccccgcca tggccactgc tgctctgcag tggtgtcact aggtgactgt agtgacagag 240

ggctgccttc taccctactc actttcttca ttgtctgtag aagggaggag agaattccgg 300

tctgtaactt tttggacaaa ctttttaaga gtttatactt gtttaattgg gtaataagtg 360

acccctcctg ttaatcctag 380

<210> 4036
<211> 295
<212> DNA
<213> Mus musculus

<220>
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<222> (156)..(156)
<223> n is a, c, g, or t

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<222> (163)..(163)
<223> n is a, c, g, or t

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<222> (185)..(185)
<223> n is a, c, g, or t

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<222> (191)..(191)
<223> n is a, c, g, or t

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<222> (220)..(220)
<223> n is a, c, g, or t

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<222> (244)..(244)
<223> n is a, c, g, or t

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<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

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taagcccctt gtaggcctgc agaatggaca taccatctta tttggctcgt tctaggctgg 120

ccatcccttt acatattgat catgatgatg catctngagg atntctgaag gctttctttc 180

tacancccctc ntactattgt atggctctga attcagaaan ccactcaggt gggctaagaa 240

aacnanagct acataattcc taaacacttn atctgttctt ctcaaaggga gtaag 295

<210> 4037
<211> 296
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
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<222> (128)..(128)
<223> n is a, c, g, or t

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<222> (186)..(186)
<223> n is a, c, g, or t

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<222> (238)..(238)
<223> n is a, c, g, or t

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<222> (246)..(246)
<223> n is a, c, g, or t

<220>
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<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

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catgtcaagg accccaaggc ggacccccct ccccaagtga ggctcagagg gatggcaagg 120

cctttctnag gggtctgagt gtgaatgttg gcagtgtgtg cagaaaatgt ccaccatagc 180

ctcttntacc acccaaacat ttacagcctg aaaactgctc ccctacaaag actgcccnta 240

ctgagntnag ctntacctgt ccccttgatc tgtatactgt atccaataac ccgcct 296

<210> 4038
<211> 360
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (172)..(172)
<223> n is a, c, g, or t

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<222> (174)..(174)
<223> n is a, c, g, or t

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<222> (181)..(181)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<222> (207)..(208)
<223> n is a, c, g, or t

<220>
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<222> (212)..(212)
<223> n is a, c, g, or t

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<222> (220)..(220)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

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<222> (234)..(234)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (275)..(275)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (299)..(299)
<223> n is a, c, g, or t

<220>
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<222> (306)..(306)
<223> n is a, c, g, or t

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ctgtcctaca aactgtagac gccttggtct tcctggactc tcagctctat ctcttcaact 120

cattgaactc agtgggctct tcccaantct tccctctgca ctgaatcctc tntnaaggta 180

ntgagtgggg acnaacccat tttactnntc tntcttcatn actnaatntc agtnacttga 240

atantcttca gtattttaac ttttataact gggcnaacca antnggttac acctcttgnc 300

cagatntcaa ggccatgtga ccatctaccc agtattaatt taccctgttc tcccaaatag 360

<210> 4039
<211> 210
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

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ctcaaccaga tattcttatt ttgaatcatc aagtatattt tagggttttg ctttttgtgt 120

tttggtgtgt gtgtgtggtg ggggtgtggg aggagtgggt cactctctag cccttgctat 180

cctggaactc gatgatctgt agcccaggct 210

<210> 4040
<211> 283
<212> DNA
<213> Mus musculus

<400> 4040
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caagtagcca tgtacagctc agcacaggag ctgggaatgg aacttggctc ctctacaaaa 120

gcagtgtaca ttcttcacca tggaaacatt ctgacaagct tcctggagag ccttaaaaaa 180

tggtcaccct gtttctaatg aaaactttga ataaacgatg acttatatag ggagatataa 240

gaatgaaaac acaaataaat tgtcataata gagcactggt ttt 283

<210> 4041
<211> 324
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
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<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<400> 4041
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gggtgtggac acaggcaaca acaaacaggg ctgagaatgg cagtacactg tgctaatctc 120

cgtacctgga aggcagaggc aagcttgtct ctgtgagttc caggccagcc aggagntacg 180

cagtgagacc ccatccaaga agcaagaaca cactgagatc cctttgcctc tcagcataaa 240

tagtccccat tttacacatt tgggncctgc ttgatttttt aantaantgt gagagtntac 300

catacaacat gtcccactgt tggt 324

<210> 4042
<211> 259
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (181)..(182)
<223> n is a, c, g, or t

<400> 4042
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ttctgcctat ttagccgctg actgtggttc ccttatggtt atatttattt caggttttgt 120

tttgttttgt tttgagatag tgactcactg tgctggcctg gaactcattg cgtagcctaa 180

nntaggatgg gcttaaactc gaaattcttt tgcctcggcc tacctattac tggcattaag 240

tgtgtgcatc tcgctgggc 259

<210> 4043
<211> 272
<212> DNA
<213> Mus musculus

<400> 4043
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tcccctgaga gtttgactca ggttccaaaa ccctaacaga agaacagctg actctgctca 120

gccgccaggg cctgttaaga agttggagtt actcctacaa ggacttatca tggagagagt 180

ccacaaatac atgtatgtag ttacacacag gtttggtcta cctaagggat tgtcacctgg 240

gcctgtgaag tgactgggcc tgcagctact gc 272

<210> 4044
<211> 234
<212> DNA
<213> Mus musculus

<400> 4044
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gttgttattc accagcaaag atccttagtg cttatcatct gagagtcttc ttctcattct 120

tcctgcacac gtagcagaca cacacaggag ataaggagca ttgtgagctt cagagacctt 180

agcacagggt gttgttacca cagccattca aagctctgtt gacctcattt ttaa 234

<210> 4045
<211> 333
<212> DNA
<213> Mus musculus

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accctgcctt ttgctttgcc aggagcatcg atcaggcttc aaggccaaag cctgggaaag 120

tacaggaacc ccgctttctc aatcaacaga ggcttggaga gttgggtttt tgtttgtttg 180

tttgtttttg tttgtttttg gggggttgtt tgtgtttgtt tgtttgtttg tttgtttttt 240

gtgcctgccc tcattagtct ctggcagaag tgggggtgaa accttagagg tcatgtcctc 300

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tttaggaaat tgcttttgca tccaagagag agcaatgaga acacttccct gatacattgc 120

agggctgggt gcgaaaggaa ccagctcaga gcagagtgga tacagctagg aatnagcacc 180

ctgcctccca ggacctntga gggggcccag ggtcctnttg ggaacctntg atgtactaat 240

tacacccatg catcccttca gaatcaaccg caagctttta 280

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ctgcacctgg tttcagcaag gtggctgagg gcagggctct ggctctggct gcacacattc 120

tgaactcacc tcctcccctg agcaggcctg aactaggtat ttgcaccagc tcatcacctg 180

tgagccaggg gtgtgacagt agctccntta cctaagtgct gagcttctac tcctgacaac 240

tacaaggaaa 250

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<223> n is a, c, g, or t

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tgnttaattt tacatctaca tggttgaaaa gtccgtgagg gtgattctgt ccccccttgcc 120

actcaaacgg agcaaagatg tggattgaat tgtttggtga gtgtagataa tttagtaaat 180

attagggttt cttacataga agtgattcaa attatcacag aaaaagaagg ataacacact 240

tgagaaagat tctg 254

<210> 4050
<211> 125
<212> DNA
<213> Mus musculus

<400> 4050
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ctcctgtaga gtttcaaatc acacccatca gaccacttca atcctaatct gaacaccgga 120

tggga 125

<210> 4051
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<223> n is a, c, g, or t

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ttgaatttta ctnatgacag acgaagtatt gacccatgac ttttt 105

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<211> 61
<212> DNA
<213> Mus musculus

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t 61

<210> 4054
<211> 80
<212> DNA
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aaatactgca gagaccanac agaaccttnt ggcatgggna gacagnccac taaactgatt 120

tnanancctg ntagtagtgt tttcagaaat ccctaagatt aactgtgtgt tttccctata 180

aattatattc gaatttcctg cacagcagtt gtactgacac agactggtg 229

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tcatatttct cgaggtgcca ccgctgaaga cggtgcttta aggaagtcat gatgagtct 119

<210> 4057
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<212> DNA
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gccttttcat atgaagaact taggagctat tgct 94

<210> 4058
<211> 202
<212> DNA
<213> Mus musculus

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ccccaccccc actcccagtc cccaccgctg tatattttga ttcattctcc tggccccctg 120

ggtttctttc ttgtctctcc ccatacctaa tcttgttcct tccttcccct ttctgagtcc 180

ttttacactg gctcttttct tt 202

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<212> DNA
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tatctgtggt ctactgtgat tctgtgatcc atttccagca 100

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gangagaanc cccnngntga tgggaagnag nanccttcct gctctccact aggaattcac 120

ctctnccctn caggtnccct ncagntganc agctctcanc tggtgcacaa ggacatggga 180

caaaggagnt cctccccaag gaatgtggtg ctgt 214

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<212> DNA
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ggggacagga actgggagac gtgtgccctg tcccttcctc tccccacacc tccacncaca 120

gagacaatnc ccctgtaagg gaaacaggac tgttgacaag ggagncaaga ggacaccagc 180

caaggaccag tgcctctgac c 201

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tttgttcccn ntgtttcctg ggtgggggag gggnccacct cccttaccta ctctgagttc 120

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<210> 4063
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nctnctaaga ancntctcag aactntancc ccncatcatg angaaaagaa acttcctgag 120

gaaagaggga agaaggaaga acagaccaga ctgaggccca ttcct 165

<210> 4064

<211> 40
<212> DNA
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<400> 4064
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tttgtattta aattntaaaa aatcagcaag ctgttccctg agtagtgttg ctgcctgtgt 120

gtccggtccc gccccccccgg cacgcacttt agtaagttat 160

<210> 4066
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<212> DNA
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<400> 4066
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<210> 4067
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gccaaataaa ggggtgagca cacagcctct gtgcaaagct cctagttacc ccatctgcac 120

atagcttacc atcatgcttn nanggtattt acctcctgct tggtttattt gtta 174

<210> 4068
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tcttttcttg aagctggggg aggggcancg ggctcggact tggctagttt gtttattg 118

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ggcnggcccc attccanctt ggctcctgnt cccttncaac tgagtggatc cagtttcctc 120

acnaattgaa ctgacaacac ctacctttca gggtggtcag 160

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catgagaaac aagatgactt nggcaaaggt ggaaatgaag aaagtacaaa gactggaaat 120

gctgggagcc gcttggcctg tggagtgatt gggattgcgc agtaaacatt ccctgtgtgt 180

tttgattttc a 191

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gtagtgttgc tntanactgt ccccctccca acacgcttga tgtttgccct gat 113

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gtgccactac ttcaactttc ttctgtt 87

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<212> DNA
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gantntgcaa gcctgttgat ttgtaaacat tcatggtaat tttgctttgc ctctgtgctt 120

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<223> n is a, c, g, or t

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ggcacactnc ccatcaagag ggcttttcca aatttcagga cagantcacg cagaggtgcc 120

tgttacgaac cacttcaact gtatatagac agcttagtga taataccctg gtcc 174

<210> 4079
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (104)..(104)
<223> n is a, c, g, or t

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tttcattgtc cnttntcagt ncntgggngc agccctcttc antntcctca ggtaggctgt 120

gcccctacc cagctgttct gcttggattt cctacgcccc cagg 164

<210> 4080
<211> 75
<212> DNA
<213> Mus musculus

<400> 4080
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ttgggcaaca cgttt 75

<210> 4081
<211> 44
<212> DNA
<213> Mus musculus

<400> 4081
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<210> 4082
<211> 152
<212> DNA
<213> Mus musculus

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tnttcctcac tagaaggaaa tgcngttacn tntaagcttt ttcaaattta cattaaaata 120

cttgtatgag gactgtgacg ttatgttaaa aa 152

<210> 4083
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cccatcccat ccattccttn tacatatata ccttggattc ccatacactt aggaaa 116

<210> 4084
<211> 152
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (78)..(78)
<223> n is a, c, g, or t

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<222> (118)..(118)
<223> n is a, c, g, or t

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<222> (127)..(127)
<223> n is a, c, g, or t

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tttgtcgagg gctcagtntt ttggatattc agacaggagc tattgcccga gcctgggnta 120

atggacnttt gaaccctgta ctgttacctg at 152

<210> 4085
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctctctctga tagatatggc tgttggctgt aacattccac 100

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<211> 145
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (59)..(59)
<223> n is a, c, g, or t

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<222> (66)..(66)
<223> n is a, c, g, or t

<220>
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<222> (111)..(111)
<223> n is a, c, g, or t

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attcantact ttgggatacc cccaaacctg ttttgacgtc gtgagtgtca natgtgtccc 120

aatcctccct agaagttatg aacac 145

<210> 4087
<211> 36
<212> DNA
<213> Mus musculus

<400> 4087
tggattcttt attcgcagac tcctggattt ctgacc 36

<210> 4088
<211> 73
<212> DNA
<213> Mus musculus

<400> 4088
tcctacctac ttcagttttt atgttcccac tcctcctgtg ttaataacat tgctttcatc 60

ttggatattt ttt 73

<210> 4089
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<212> DNA
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<222> (293)..(293)
<223> n is a, c, g, or t

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gggaccccac tcttgccacc tgtggtgggt ggctccatcc ccgtgtccag cccactgcct 120

cctgcctcct ttggccttgt catggacccc tccaggaagc tggctgcttc tgtgctggat 180

gcccttgact ctccagggcc cacgctggac nccctggatc tgttaccata ctctgaggct 240

cggctgggtg cccttgacag ctttgggtca gcccgaggct ncctggacaa gcnggactcc 300

ttcctagaag agaccagctc gcaggaccac cgacccccaa gcagtactca gaagccagcc 360

cccntcgccg gagccctcaa tgcccaacac caccctgctc atcaagaacc ctctggnnnn 420

cacccacgag ttcaagcagg cctgccagtt gtgctacccc aaaacag 467

<210> 4090
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<212> DNA
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<222> (94)..(95)
<223> n is a, c, g, or t

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tgaaattcac atttttgagt aaaaaaaaaa aaanngtccg cccctgtttt gtgtatatgt 120

attttcttcc atattttcag aaacctagag aactgtgctt aaaggtgctt tacaatctgt 180

aagtatgggg acaaataaaa cacagattga tttagtggct ggtaaactct tggatgctgc 240

tttgaggaca gccttttgc cataaggtgg agaggaatag gcttccccag ctggcaggac 300

ctccgagcat gggaggtctg ccctctgcgt ttgctagtga ggactcaaag gtacagccag 360

gacagaattt gacttcatcc acttagcagt catgagctgg tcttctcgga actcattgtt 420

ggctgggaag ccttcctgaa ctccgtgcta tctttgctcc aattctaaac ctctggtttt 480

tttctgtttg ttgttttatg aaccacagtc catgtcagtc cat 523

<210> 4091
<211> 261
<212> DNA
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<222> (159)..(159)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (185)..(185)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

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tccgaagacc tatccaatgt agagggcaaa attccttagg ctgtgggtga tcccattcct 120

tggctgggat catggactgt gtacatggag aaagcaagnt gagcatnagc gttcaccant 180

ttttncttgn tgatttcaga agaacatgac tggctgcttt agattcctgc cacctcgact 240

tcccgccctg atgaactgta c 261

<210> 4092
<211> 497
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (459)..(460)
<223> n is a, c, g, or t

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<222> (464)..(464)
<223> n is a, c, g, or t

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ggaccacaga catctgtccc tgtgcttggc ttgttacttg ggttctgggg aatccaaact 120

caggttgagg ctgtagagca ctttacttac ttggcagtca gaggacagct gtggcgctgg 180

ctctcctgcc ctcatgaggg ctccaggctg ggaagacaag caagcgcctt taccactgag 240

ctatcttgtc agtaccctct gccatttagt ctcactgtaa cccaggcagc tggtactgaa 300

tttgtggcac ccctctgcct cagcacccca ggtgttggga ttataggcct gtgccaccac 360

acctggctct ggtaaagacc ttcctggnaa acnaaaacca agtggttttt ttttgttttg 420

ttttttcgan acgattttgc tgtgtngaac cgcgntgtnn tggnaaaccc actcgtaaaa 480

ccggctggcc tggaaat 497

<210> 4093
<211> 500
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (202)..(202)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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catgggcacg cctgggngct gtccttggtg ctgccggatc cttgggcgtc acagcgcctt 120

acctgctgga anctgcagtc gtcccccaac agttaagcag actggagtgc cactttccac 180

ttttaacaca aatgactacc cnggcctgtc ttctttgtcc cctttccgga ggtttccggc 240

gggccattcc tcaaaaactc tctctttttt ttcttctgca taactctcag ctcatctctt 300

gctgctttaa gacgaggagt gggggggggg tgtgtgnata aagancancg gnccctacng 360

ccaaaagtaa ggaagaaaga gactaagagg taggggggcca gacgaaagtc aggaagccag 420

agaagagctg ctcagagggc cgagagtggc gagacaaaga aagggcgctg ggaaagggca 480

cttgcgccaa agctgtgaac 500

<210> 4094
<211> 342
<212> DNA
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<223> n is a, c, g, or t

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tgacctcagg tcttctctgc aagagtagaa tgtgctctta accactgaat cacctctcca 120

tccctgtata gtttcttaaa actcatctat cataattgat ccttgtagtg actctagaga 180

accctgacta atacaatcct tttatcaaca aaggcagaaa ataaaggtaa gaaaacccag 240

tgctgctcta agtcaggact gtgactccaa gtgaanaaaa gatcactctc acaaaagcca 300

caaggagcca ggtgtagtgg tgcatacctt tactcccacc ag 342

<210> 4095
<211> 419
<212> DNA
<213> Mus musculus

<400> 4095
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cttccttaga tgctggagga ctgaaagagc catagaggtc aaagacacca caagaaaccc 120

tacagaatca actaaccttg gcacatagag gctcacagag actaaaccac caaccagaga 180

gcatgcatag gacagaccta gtctccctat acgtatgtaa cagatgtata gcttggtcct 240

catgtgggac ttctaacagc aggaggagaa gatgtctctg actctgttgc ctaccttcgg 300

atccctttcc cctaactgga tggccttgcc tagctcaaga ggagatgcac ccagtcctac 360

tacaatttga tatgccaagg cagaggttga tatccatggg aggtctctcc tctgaggaa 419

<210> 4096
<211> 368
<212> DNA
<213> Mus musculus

<400> 4096
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gcagatccag acacgctcca ctgccgctct ccctcctgtg ggaggcaggg ataagtgtgc 120

tgaggactgg gcaggacagg tgaggggaag ggcacaggca aggtgttgac acgtccctcc 180

ccagagggat ctggggagaa gagcttgggg gaagggaaga gggagcggct cgtggactca 240

caacaggttg gtgacagagg tctctgccac agaatttctg ctaggcatag agggcagagt 300

gagtcctgtg gaggacaaga catggcctcc ctgtaggagt caagacagag gtcagacaag 360

ggtcagat 368

<210> 4097
<211> 161
<212> DNA
<213> Mus musculus

<400> 4097
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tgctgcacac ctccacacgg cacgaaatgc ctgtgtgagc tgagctcagc tcctcaaacc 120

aagccctgtt tcatgcacag actatttcat gcctggcttc c 161

<210> 4098
<211> 260
<212> DNA
<213> Mus musculus

<400> 4098
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aagaagagct gcaggactag tgctcagtca ctgatgcttg catacgcaga gccctgggtt 120

ctacattcta tcccaacgtc accacaaata cacaacaaaa ctaactgagg gactggaacc 180

cctgcagccc atacggtagc tagagatcca gtcccaccaa catgtcctct acacacgtgc 240

catggaacat gtgatgcccc 260

<210> 4099
<211> 206
<212> DNA
<213> Mus musculus

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cttaagccag ggtcttagct ggcctggaac tcaatttgta gaccagctgg cccttaattc 120

ttagagatcc actgctgctg ccttccaagt gctggaatta agggcatgtg ccgccagcac 180

cattcatccg tctagcatgt gtgcat 206

<210> 4100
<211> 204
<212> DNA
<213> Mus musculus

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gccgccaagt tattatttaa cctcgggccc ttttcaaaga caaatttcat taagattcat 120

ccttttcaca tggctgaatg gaaacacgtg ttatttcaac ctaaaaccaa tcccagctgt 180

gaactgcatg aggcgtttcg cgaa 204

<210> 4101
<211> 218
<212> DNA
<213> Mus musculus

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cccatgggca gtacctctgc catgcatcct tatgccactt acgtgtactt ttccatctca 120

aggatatcat tagacagatc tatgggcacc ccagcccctt gggttaaact tagaaccttt 180

tccggcttcc ctttcaactt attcttcact gttaggtt 218

<210> 4102
<211> 192
<212> DNA
<213> Mus musculus

<400> 4102
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catgccgtca cggccatcct cccccaacac gtgggagctt aggcctgttc acccttacct 120

attccccgcc tggagtgcca agcccgggta gcaggcagta tatgctgggg aagaatagtt 180

gttaagctct gc 192

<210> 4103
<211> 133
<212> DNA
<213> Mus musculus

<400> 4103
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caggggtgct ccccaggctg gggggagggg aaactggcta tggctcctcc ctcactcggt 120

ggctcgggtg gga 133

<210> 4104
<211> 157
<212> DNA
<213> Mus musculus

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tttaattaaa caaaaatgga ggaatgttgg caattcctct agactctgct cattagttac 120

ctagcaacgg cttgcctctc tgactaccag gttctag 157

<210> 4105
<211> 117
<212> DNA
<213> Mus musculus

<400> 4105
ttagaagaac agtcttcttt tatgcctaat tttttgctag aacctggtag tcagagaggc 60

aagccgttgc taggtaacta atgagcagag tctagaggaa ttgccaacat tcctcca 117

<210> 4106
<211> 193
<212> DNA
<213> Mus musculus

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atacacacat gtagctggat gtcaagagta gaatgttgac taggaactgc ctggaattca 120

gaacaaagag gacagtatga atttgaatag ctcccactag ataagcaatt tccacgagaa 180

cctaccaaaa gct 193

<210> 4107
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gagtaagcca gaaatcgaca cagacaagcc tgaggggtc agcacatggt tgctcccagg 120

atgcagagga ccattcaagc cattgcaaag tcctgaacct tggagacatt atttgaaatt 180

cacacatttc ttcagccaag tagcttctgc tataattagc aatacgtgct tctcttttgt 240

tgttgttttt tcagaagatg tactcgccta caaanttttn tttnttntnn nttntntgna 300

aangtctacc aggaaaaaaa aaanngagtt aaaaagttat ttccagatgc tcacccctcc 360

cctcccccca tgctttcact ggtagtcaag gatataaact acagtatgct taagggtcac 420

ctgatctctt gagccagctt gatctagctg ctcttggcct tgttcagact gaag 474

<210> 4108
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<212> DNA
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caatgtggcc ttctctctgt aagggagaat cttgcctggc tctcttctct tgggcctcta 120

agaaagcttt tggggtccct agcccactcc ctgtgtttcc tttctctctg gaatggaggg 180

agatacctga cacagttccc tcaccaaaag cacatccagc cagtggcctg aactttgaaa 240

cc 242

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<212> DNA
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<223> n is a, c, g, or t

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cgggagggnc aacccnatct cagaganngc ggagacccca aggaagcttt aaagtgtgat 120

tctgagccag aacccgggag cctgtcagaa aaggtctctc acctagagtc catgctctgg 180

aagctccagg aggacctgca gagggagaag gcggacaggg cagccttgga ggaggaggtt 240

cggagcctca gacacaacaa ccagaggctg ctggcagagt ccgagantnc cgccnacccn 300

cctgnctcct gncctntnan gcatctgggn tncacccant actgacctgn cctgagttcc 360

aatntgaatc tggacctngc ttggnantnc cnnnnccccc cagagcaact gggtcatact 420

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<222> (373)..(373)
<223> n is a, c, g, or t

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<222> (388)..(388)
<223> n is a, c, g, or t

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gtcctagaat caaatgtttg gaggagggag cattgctaac agaagatttt gaactcagag 120

ggccctctgt ccagatggtg ggcatgtctc aagctgccat ggaatttgct gcctttggtg 180

tttgacatga attagtcgga aagacagtga ctgacaagaa gttactccca aaatgaaatt 240

aaagcaagga agtgagagag attgccaaga taatgcatta ggcttgtgtg cacatntact 300

tggatagaag nagcngggtg nntcagggtg ggatagctna gaatgatgan tgaaggaaat 360

ttggccacaa tgnccttcc ggaagaantc ttaagatgct gaagacagtc cacactcca 419

<210> 4111
<211> 513
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
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<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

<400> 4111
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accgaggccc agtacaagtt tatttacgtg gccattgccc agttcatcga aacgaccaag 120

aagaaactgg agatcataca atcccagaag ggccaggagt cggagtatgg gaatatcacg 180

taccctcccg ctgtgaggag tgcccacgcc aaagcctcgc gtacttcctc caagcacaag 240

gaggaggtgt acgaaaacgt gcatagcaag agccaagaag gaagagaaag taaagaagca 300

gcggtcggca gacaaggaga agaacaaagg ttctctcaag aggaagtgat ctgggcattn 360

gtctgcaggt ggccatgcat cancttgat ccctgcagag gcttccaccc gatagactga 420

gacctgtggc cctcaccaga ccctaggacc acccccatnt tcttgtaatt taagtgactg 480

tggtcatctg aatctgtata tagcccggca agt 513

<210> 4112
<211> 476
<212> DNA
<213> Mus musculus

<220>
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<222> (289)..(289)
<223> n is a, c, g, or t

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<222> (300)..(300)
<223> n is a, c, g, or t

<220>
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<222> (303)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

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<222> (353)..(353)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (395)..(395)
<223> n is a, c, g, or t

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caagctgggt tacatgctcc acgcagctag agaagcctag gtgctctgca ttccctgggg 120

aactgcagga aagccttacc tgctgactgt tgctctgggg aaaagcctga gggtccagag 180

cagctacaag ctacaggcca taccttacaa cctgaaaagc taaggaccac ggtgaccttc 240

ccggctactg tgtgaaggtg ctgggtgggg cctgctcaac agacagggnt cgacagagtn 300

gtnntgatac atncaaacag aatccttgga gtgtgtgata catgcaaaca ganatcctgg 360

nccccctgctt ntccccctca gtcaaagcag gagtntccct tccgaagcca ggacaacctg 420

ttcacaaggc cccttgtcac atgtcacctt ccacctgcct caaggagtgc tagtgt 476

<210> 4113
<211> 441
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (302)..(302)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

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<222> (385)..(385)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atcaacagat caccgtctaa gcctcagtcc gggcacccca cctcgcctga gctcaagctt 120

caagagtctg tgactaagag aattccgaaa ggatgtggag ccctctgact ggggtgggcg 180

ggtgtcctcc aaggggcctc cggaagccca cagagggatg cgctcctgct caggcaggtg 240

tcagaagctt gcaggggctg tggccgcaac ctgtgattaa agcattcctt tccctnncgn 300

cntttccccc ttcaccacta atggctggcc tttctgtgtg ctgagntctt tcgacagttc 360

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gactttctct gcttggttgg a 441

<210> 4114
<211> 363
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (192)..(193)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agaaatagca agtcagtcac agacggcgtt tatgagacca gcttccttgt caaccgtgac 120

cattccttcc acaagctgtc ttatctcacc ttcatccctt ctgacgatga natttatgac 180

tgcaaggtgg anncactggg gcctggagga gccggttctg aaacactggg aacctgagat 240

tccagccccc atgtcagagc tgacagagac tgtggtntgt gccctggggt tgtctgtggg 300

ccttgtgggc atcgtggtgg gcaccatctt catcattcaa ggcctgcgat caggtggcac 360

ctc 363

<210> 4115
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caccctcttt ctttctgctt ccaatgaaaa cttagagcta cctgtttttt ttttcttctt 120

cttcttcttt ctttctctgc tttgtgttta ttttgattca gacatctcat tatctacctg 180

aagtcctggt atacttagct tgaatttgtt attcctcttt aatatttaga ttaaatgcta 240

gatctgaatg gtaggtttac nacttctgtt ggtggttnac catgaacaag aaagggagag 300

ggaancctca ncctatttaa ttaagacctt gttncactta aanacactat ttaagatttc 360

ccagctactt gggagtttga ggcnatcaca gaggagttaa cactgggaaa acaaacaaaa 420

cancaaagaa agtagtgtga gcggttgctg ggattgaatt ggcatctttt tcgcttctta 480

tcttgagacc tcacntcttg gctgcaggca tccaaacaga tttcctccag 530

<210> 4116
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gttaggnagc acagcaagga cccagctctg tagggctggt gacctgatac ttctcataat 120

ggcatctaga agttaggctg agttggcctc actggcccag caaaccagaa cttgtctttg 180

nccgggccat gttcttgggc tgtcttctaa ttccaaaggg ttggttggta aagctccacc 240

cccttctcct ctgcctaaag acatnacatg tgtatacaca cacgggtgta tagatgagtt 300

aaaagaatgt cctcgctggc atcctaattt tgtcttaag 339

<210> 4117
<211> 531
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (160)..(160)
<223> n is a, c, g, or t

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<222> (243)..(243)
<223> n is a, c, g, or t

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<222> (285)..(285)
<223> n is a, c, g, or t

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<222> (404)..(404)
<223> n is a, c, g, or t

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<222> (436)..(436)
<223> n is a, c, g, or t

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ccagcctgac cgaccctgtc acggtcgagt ggaaagcaca agtccacatc tgcacagaac 120

aagatgttga gtggagttgg gggncttcgt gctgggcctn ctcttcctnn ggagcggggc 180

tgttcatcta cttcaggaac cagaaaggac agtctggact tcagccaaca ggactccntg 240

agnctgagat gaagtaacaa ggctgaagga aggagattcc ccccngtgtc tccatgccat 300

gaaaacatgt cctgcttggc ccacatccct ccagagacac tgctcttcca ggacctggct 360

cctcctgatt ctccaccctg gagatctgtg ctcctgatgg ctgnttatcc ctgacccagg 420

ccttgcagct cccagnacag aggccccacc tcttcacatc tcctgtcccc ttttgtccct 480

tgccttttgt ctggcacttc tgagccagtc tgctgtcata tgctttttta c 531

<210> 4118
<211> 410
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (42)..(42)
<223> n is a, c, g, or t

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<222> (177)..(177)
<223> n is a, c, g, or t

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<222> (206)..(206)
<223> n is a, c, g, or t

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<222> (211)..(211)
<223> n is a, c, g, or t

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<222> (225)..(225)
<223> n is a, c, g, or t

<220>
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<222> (307)..(307)
<223> n is a, c, g, or t

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agcagaaaag cggcccacac taagaaagga ctgcaaatca gtgagtctgt atagaacatt 120

ttaccttcac tgacttgggc cgatgtgttt gtcatctctg tgtttttcta gagcaanaat 180

agtcacaaaa gttccccttt caatantccc ntgagaagaa taaangaaaa aactgtttgt 240

aaatattttt ttaaaactgt tctgcaagtc tttttgtaac atgcagtacc aacatgggac 300

attgccntta acttttgatg cactttcatg gagactgact gccatgcatt gctgtgagca 360

ctttctttgt cgttcagttt aatcttttcc ttcaccttta ttacagtatg 410

<210> 4119
<211> 551
<212> DNA
<213> Mus musculus

<400> 4119
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ctctgtcagc ctgctgtttg caggagtcat tgctgctaga atcggtcttt ggtcctttga 180

tttgacggtg acacagttgc tgcaagaaaa tgtaattgaa tctgaaagag gcattatcaa 240

tggtgtgcag aactccatga actaccttct tgaccttctg catttcatca tggtcatctt 300

ggccccaaat cctgaagctt ttggcttgct ggtattgatt tcagtctcct ttgtggcaat 360

gggacatctt atgtatttcc gatttgccca gaagactctg ggcaaccaga tttttgtttg 420

tggtcctgat gaaaaagaag ttacagatga aaatcaaccg aatacatctg ttgtataaaa 480

atagtttagc tgtggcccct gttactagat tgtggagagc atgtgtgctt attttgtact 540

gcagaatccc a 551

<210> 4120
<211> 333
<212> DNA
<213> Mus musculus

<400> 4120
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cagagctggc agagcgactg gggttgagaa gcctggtgga cacatacagg aagaccccgt 120

ctcccagcgg cagtctcctt cgtagttaca agctggctgg tggggacttg gtgggtctat 180

tggaggcctt gtctgacatg ggtctccatg agggagtcag gctgctgaaa ggtcctgaga 240

cccgcgacaa gctgcccagc acagaggtga aagaagacag tgcctatggg agccagtcag 300

tggagcagga ggcagagaag ctgtgtccac ccc 333

<210> 4121
<211> 427
<212> DNA
<213> Mus musculus

<400> 4121
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cagagtacta gcctagcaaa tgtgagccct tgagtttagc cccaaatact acaaaaaaga 120

ggtccaagtt taaatgttag tctcctaaca actgtcaaat caatttctag cctctaaatc 180

ttgctacttc cactctacaa agtcacataa gagagaagct gatggaaatt tttgagtccc 240

attcattaga taattgacat actcagtttc cttttgaaca cagtccttgg taataggaat 300

catacagaaa tcttttattt ctggaaaata ttccaatttc tttgtcttat tgattttgtt 360

ccatccatcc atccagaaaa gattattccc atcctattgt tagtcagtct ggtagccttg 420

aattaca 427

<210> 4122
<211> 566
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (252)..(252)
<223> n is a, c, g, or t

<220>
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<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (509)..(509)
<223> n is a, c, g, or t

<400> 4122

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gtgcccggct tctattactt caacttccaa gtgatctcca agtgggacct ttgtctgttt 120

atcaagtctt cctccggggg ccagcccagg gattccctga gtttctctaa caccaacaac 180

aaggggctct tncaggtgtt agcagggggc accgtgcttc agctgcgacg aggggacgag 240

gtgtggatcg anaaggaccc cgcaaagggt cgcatttacc agggcactga agccgacagc 300

atcttcagcg gattcctcat tttcccctcg gcctgagctg gggatctgcc cctgcatcct 360

gccatctcct gcgctccctg ttgtggacca cgccccccgc ctccgncctg caccctccc 420

ctccgcactn tgcaaagtga aggggctggg gctttagcac cctgggggag gggctgtctc 480

ggagggaggg cactgaggac tgatgtttnt gcacactgcc cagtggtttc tttaagcact 540

ttctggaata aacgatcccc gtctgt 566

<210> 4123
<211> 467
<212> DNA
<213> Mus musculus

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<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

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gaaggtcttt tggtgacccc cccacccaac cccaagtcta ggagaccttt tgttctccng 120

tttgtttccc cttttgtttt atcttttgtt gttttgcttt gttttgaaga cagagtctca 180

ctgggtagct tgctactctg gaactcacta ctagactaag ctggccttaa actctaaaat 240

ccacctgcca ntgccttctg agagccaggc ttaaggtgtg cgctgcccac tcccagcctt 300

aacccactgt ggcttttcct tcctctttct tttattatct ttttatctcc cctcaccctc 360

ccgccatcaa taggtactta attttgtact tgaaattttt aagttgggcc aggcatggtg 420

gagcagcgtg cctctaatcg caggcaggag gatttccacg agcttga 467

<210> 4124
<211> 239

<212> DNA
<213> Mus musculus

<400> 4124
tccctatact gcgtttgaga cctgtcttca aatggaggca gtttgcagcc cctaagcaag 60

gatgctgaga gaagcagcaa ggctgctgat ccctgagccc agagtttctc tgaagctttc 120

caaatacaga ctgtgtgacg gggtgaggcc agccatgaac tttggcatcc tgccgagaag 180

gtcatgaccc taatctggta cgagagctcc ttctggaact gggcaagctc tttgagacc 239

<210> 4125
<211> 501
<212> DNA
<213> Mus musculus

<400> 4125
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ctattatcaa agtaggcacc catatacaac agattgcaaa tatatatgct atgaaccttg 120

aaaatgatta ctgtctctag aaataccttc attaaaacct tatttatagt caaatatgtc 180

aacttttcaa taccatgaac aatggactga tccagcctag actagtttga gtaaatgtac 240

atccagacaa actatttctt taaagtgaac ttttatgatg gatattctgt ttaccacctc 300

cttcctatgt atacttgtgt gtgtataatc aaagtaaagt gctctatgga aagggacatg 360

caggaggaag aaatgcctac ctaatctatg ctgatccacc gaaataaaga ctcacttgta 420

ttacatccct tcagcaaaac aacaactcct cttgaactcc atgaaagaaa cttcaaggaa 480

aacctggagc ctgtaaatac a 501

<210> 4126
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<400> 4126
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actcttcgga caggggaggt aaagtggtcg gtaggagagc atccaggcca ggaatgaggg 120

tcaccttcat cctgctcaac tcttgggcct cactgcttcc aaaccgcctg gctcacaagc 180

ccattccctg cttcctggat accccggcca gcgtctgaag ctggaccatc aataccacct 240

ctcattctag cccctggtcc ccagctcttg ctgaagggcc tggggtggaa ggacaatagg 300

gtggtgacat ggagtaagga gttctctggg gatagacttg acccaaggct tctgggagtg 360

ccatgtggga tctgtcccca tgtttgggac aggaaagcag agacttgttg gaatctgcaa 420

atggactcag aacacactgg cttcaagagg agtntaggag gaccatggtt cacactgaca 480

cctgaagaag ttgccagaat gccatttctc tct 513

<210> 4127
<211> 259
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<400> 4127
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agatgtagga cctcagagtc agactcatat naagagccca tttatatttt atatattaat 120

taactttaaa gttggaaata tgtccttact gttttatcaa aaaagagacc tttcacattc 180

atgtgtactc ctctacattc caaagacatg aaattgtatt ctgtattttt taaaaacaga 240

agcctctgtt tatcccaca 259

<210> 4128
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
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<222> (261)..(261)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (466)..(466)
<223> n is a, c, g, or t

<400> 4128
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gttaaactat cctagattgt cgaggaatga aaaacctaca tgtcaaatgt gaacttgtag 120

ctcgtactaa caagaggttt gcgagatgga cttcagttat tttgcaccct tgtaaaacgc 180

aggcttccaa aatagtctcc agaaggttcc tgggaagctg gtgcaatncc atcatgaggt 240

ggtgcaaagc agntctcctt nagagaaaag cttcctgggg gaaacantcc tactttgaaa 300

ggttgcttgt ataagattna ttntcttgca ttaaaaccag taacaattga aagatcctca 360

gcttaaaggt ccaggctctt cagcagtata caaatatatt cctttgcact gtgaccctga 420

tgatctattt ttattattca tntctttcac acagacaaaa taccancctc ttgtatcaga 480

ttctttaatg tttcctattc atctggtgtc attc 514

<210> 4129
<211> 450
<212> DNA
<213> Mus musculus

<400> 4129
aatgaggctc agcacagcaa cgctgcttct cctcctggcc agctgcctct ctccaggcca 60

cggtattctg gaagcccatt acacaaactt aaaatgtagg tgttctggag tgatttcaac 120

tgttgtcggt ctaaacatca tagatcggat tcaagttacg ccccctggga atggctgccc 180

caaaactgaa gttgtgatct ggaccaagat gaagaaagtt atatgtgtga atcctcgtgc 240

caaatggtta caaagattat taagacatgt ccaaagcaaa agtctgtctt caactcccca 300

agctccagtg agtaagagaa gagctgcctg aagccactat catctcaaaa gacacacctg 360

caccttttt tttatccctg ctctgaattt tagatatgtt cttagttaaa gaatttccaa 420

gaaaataact cccctctaca aacaaacatg 450

<210> 4130
<211> 372
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<400> 4130
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tagcgggggt gcaggggcca ccgnttgtgg agtcttctgg cccagagccc ctatcactgg 120

actcttttgc agcgccgggc cccggggatg ttggtactgc tagccttgtg ggcagcaaca 180

tgtttcccaa ccagtaccga gaggcagctt tcgggggtgg cctcctatct ccagggcctg 240

aagccacgta gcctctgagg taacagagga ggcactgggt gaggtatgtg gtatagcact 300

ccattccgaa gccaaccttg atcangtctt ccagcttcct catcctgaat cggacatctg 360

cagcgctggt gg 372

<210> 4131
<211> 101
<212> DNA
<213> Mus musculus

<400> 4131
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aggctggatg aggatcgtga ccagcaccta caagggaggc a 101

<210> 4132
<211> 593
<212> DNA
<213> Mus musculus

<400> 4132
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ttacttcaca aatatgctac agaacatcta ggctgaaact catacaaatg agaggagact 120

atgttatttt tagtaagaaa agatcaatag gtataatgtg tccagtgcac actctgtaag 180

tggggattgt gctaattact gggtagatgt gctgtactga tgttctatgt ggcactgagg 240

aaactaaggt atagatcttc tcatgtctgg atattagatc ctgggagctg ccgccaagac 300

tattctaatg tgttgtggat atatatgatt ttttttcttt tcacacttac cttttgaaag 360

gatatttgtt tagctgtatt cattatcaag taagttaaaa tctatgattt tccattcaca 420

ataaataata ataatgacaa tgatacccat aactgaacct tctgttatgt tgtgaaatgt 480

aaacaataga atgtttctag gaactcatat tgcttctagc agatagaagg tatcagatac 540

tgtatctgtt aagtttttc taccctttgt tgtgaccaca ataaagtacc att 593

<210> 4133
<211> 558
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (304)..(305)
<223> n is a, c, g, or t

<400> 4133
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agaagataga ccagttacat caagagcaag cttttgctga cttttacatg ttctcagaac 120

ttcttagtga ctacattcgt ctcattgctg cagtgaaagg tgtgtttgac catcggatga 180

agtgctggca gaaatgggaa gatgctcaaa ttaccttgct caaaaaacgt gaaactgagg 240

caaaaattga tggttgctaa caagccagat aaaattcaac aagctaaaaa cgagataaga 300

gagnntggga ggcgaaagta caacaaggag agagagattt tgagcagatc tctaaaacaa 360

ttcgaaaaga agtgggaaga tttgagaaag aacgagtgaa agattttaaa gctgttatca 420

tcaagtactt ggagtcatta gtacaaacac agcaacagct gataaagtac tgggaggcat 480

tcctacctga agccaaagcc attgcctagc cttacccctg tgaaggagac attggattcc 540

ccagtgagat catctaga 558

<210> 4134

<211> 415
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<400> 4134
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cctctgcacc cccgcacctg cctcaccata tggctcggac accactccct gctgctttgc 120

ctacctctcc ctcgcgctgc ctcgtgccca cgtcaaggag tatttctaca ccagcagcaa 180

gtgctccaat cttgcagtcg tgtttgtcac tcgaaggaac cgccaagtgt gtgccaaccc 240

agagaagaag tgggttcaag aatacatcaa ctatttggag atgagctagg atagagggtt 300

tcttgattct gaccctgtat acgcttccct gtcattgctt gctctagtcc tagccagctt 360

ggggatgcca ctcnagtaat cccctactcc cactccggtc ctgggaaaat gggca 415

<210> 4135
<211> 432
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (79)..(80)
<223> n is a, c, g, or t

<400> 4135
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ttacaagatt tccaagggnn aaaggctcct atgccaagta cagctcattc caggtatctg 120

aagaacagga gaaatacaag ctgaccttgg ggcagtttct ggagggcact gcaggagact 180

ccctgacaaa gcacaacaac atgtcattta caacccatga ccaagataat gatgcaaata 240

gcatgaactg tgcagctttg ttccatggag cctggtggta ccacaactgc caccagtcca 300

acctcaacgg gcgctacttg tctggctccc atgagagtta tgcggatggc atcaactggg 360

gaactggcca aggtcaccac tactcctaca aggttgccga gatgaaaatc cgagcatctt 420

aaggtgcccc ag 432

<210> 4136
<211> 492

<212> DNA
<213> Mus musculus

<400> 4136
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tcagaaacta gccaaggtcc ttctcaggca tctatcctta acttggtctc tccacaagct 120

gcctctgatg ctccgagccc cttctgcctg gcagctgggc tccctgtgtg cttttaccta 180

tgacccttgg tcagcagagt acaaggagca cctaagctgc ctcgccacct cccactgact 240

gcaaacacca catacctcat gcggaaccga atgtctctcc agtaaacacc ccagccagcc 300

attcataaaa acctgtctct gtgtgcgctg ggacatgtcc tccctgtacc ccgggcctgc 360

tttgtgtgcc agacagtgac tccacaggga tgccaggtct gtgattgcat tgctccttgc 420

agagggaagc cctcggttgt ccttctctgg gaatgctgcc acccagagca gcacacagtg 480

attgccctgt ta 492

<210> 4137
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<400> 4137
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gatggcagcc tggtgaccaa gaccatctca ggatgagttt ctgaatggaa tcttcattcg 120

ccataaaacc agagatgtga ccttccccac aaggaagcct tgctaagtgc gacattgagc 180

tgaggacaca caagctgaga attccccctc tgtcctccta gcctnggcta antactgacc 240

atacaccgaa tgtcacccat tcacggcact tttgctgagg acctaaaagc tacaaaggct 300

gcatancctt ccatctagnt ctagggacat gtacagatgg gagcatctca ccttcacctc 360

tgagacactg ggacattcac agccagggat ggtacaggan tccctgctgg tggtgggctc 420

aatgaacaga gacgatggtg aaatgggtnc ctntctttag accagtggtt ctcaaccttc 480

ctaatgctga gatctttca 499

<210> 4138
<211> 300
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<400> 4138
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acagagaaga acaagcatgg actttttgg ngcaaaccta agagcatcca ttaatgttaa 120

gctggttaac caggcagaag gaacgtgtta cacacagcaa taagaatatc cacctcaatg 180

atgttgctgc tntggggagt tctaataata gtaccattca tatcagcaag aacctaaaaa 240

tggttctgac tttacaatgt gggaatttgt gctttttagc ccaagtttac cgctagtgtt 300

<210> 4139
<211> 312

<212> DNA
<213> Mus musculus

<400> 4139
ctgtggcagg cctcgatgca agccaggggc cctggcccat gcacccagtt ggcatgcaat 60

aatgaggcta cagatagtgg ctgccttgga cctcctggga cagccacgta gactgatata 120

gcaatgtggt ggccccagca ggcctggctg gctacagggt tctgagtctc ttggaagcag 180

agtcggggta acaagaacat agaagagagg cctgaggttt catttcccct aaacattttc 240

tatttgagca ccaccttctg gtgatttctc taatatgcct ggctgggaag aaatgaagcc 300

agcagcccca gt 312

<210> 4140
<211> 289
<212> DNA
<213> Mus musculus

<400> 4140
gggagaatat cccaccaggt gtgttagtta atcttacatt gttatggcca gatacttacc 60

agaaacagga acgatttatt ctggctcatg atttcagaga cagactctgg tccatcacaa 120

caggggaggc atggaggagt ggctatgtct atggcatcag gaacataagg ttgaagctag 180

atgttgaggt caaccaattt cctgtgggtc atcatggaga aaagcatgac tttggctctg 240

tagtcatgct actgaaatgt gcagaacccc atggtgacag ccatgtttt 289

<210> 4141
<211> 462
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<400> 4141
cagagtctct gaagacccca tccaacgctc caatggccag caacaacacc gccagcatag 60

cacaagccag gaagctggta gaacagctga agatggaagc caacatcgac aggataaagg 120

tgtccaaggc agctgctgac ttgatggcct actgtgaggc acatgccaag gaagaccctc 180

tgctgacccc agtcccagcc tcagaaaacc cctttcggga gaagaagttc ttctgcgcca 240

tcctttaagt ctctgagagg aggctgaaga gtgttggggc tcctgggaca tacatgtaga 300

gttcctagca aagtgggcgc ctttctcgtc cacagcattt aaagagagga aggagaacca 360

tcctggacan tccgggctgt gcatgtttaa agaaatgtnc cccttatgag aatgaaagct 420

gattccgtgt ncccaacttt agagatctga ccctgcagac cg 462

<210> 4142
<211> 525
<212> DNA
<213> Mus musculus

<220>
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<222> (81)..(81)
<223> n is a, c, g, or t

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<222> (94)..(94)
<223> n is a, c, g, or t

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<222> (97)..(99)
<223> n is a, c, g, or t

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<222> (192)..(192)
<223> n is a, c, g, or t

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<222> (278)..(278)
<223> n is a, c, g, or t

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<222> (393)..(393)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<400> 4142
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ctacgatgct acttctatga ngacacaggc aaanccnnna aggacattgc ggtggaggag 120

gacctcagca gcacgcccct gttcaaagac ctgctagcgc tcatgaggcg tgagttccag 180

agagaagaca tngcccttag ctaccaggat gctgaggggg acttggttag gctgctgtca 240

gatgaggatg tgggactcat ggtgaagcaa gcccgagncc tcccttccca gaagcgcctc 300

ttcccctgga agctgcatgt cacacagaag gacaactaca gtgtctacaa cactgtcccc 360

tgagtcacag ggaccctgtg gcaaggacgg ggngctcagc aaagggcctt tacnttccaa 420

gaacacggag accttcaggg agactgatgt aagatgcaaa cctcctggcc cagagtgcct 480

actggacagg attctattaa gtttttgaca ctctaccttt tggat 525

<210> 4143
<211> 207
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

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<222> (38)..(38)
<223> n is a, c, g, or t

<220>
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<222> (49)..(49)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (90)..(90)
<223> n is a, c, g, or t

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<222> (96)..(96)
<223> n is a, c, g, or t

<220>
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<222> (98)..(98)
<223> n is a, c, g, or t

<400> 4143
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nactggaatn gcaaatncac tnatgnntcn acggcnantt accagagctg accccagctt 120

cttgcctcgc tagtgtctgt cagaaaagcc aagctctaga atgtctccaa agcacttttc 180

aggttccaca ctaagaaggc aaaaaca 207

<210> 4144
<211> 233
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

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<222> (78)..(78)
<223> n is a, c, g, or t

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<222> (112)..(112)
<223> n is a, c, g, or t

<220>
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<222> (124)..(124)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

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<222> (141)..(141)
<223> n is a, c, g, or t

<220>
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<222> (147)..(147)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
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<222> (168)..(168)
<223> n is a, c, g, or t

<220>
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<222> (172)..(173)
<223> n is a, c, g, or t

<220>
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<222> (176)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

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nacttgctcc agctaacnac ctgggaaaag acctcttcta ccctcagtat gnccaacctg 120

atcnagggct acctnagttt naaaccnact ggaatngcaa atncactnat gnntcnacgg 180

cnanttacca gagctgaccc cagcttcttg cctcgctagt gtctgtcaga aaa 233

<210> 4145
<211> 133
<212> DNA
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<222> (34)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
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<222> (78)..(78)
<223> n is a, c, g, or t

<400> 4145
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ttcancgctt gcaaaacngg cttcaggact gtgccaccca cacccaacct ttctgggatg 120

tgctgaccca cag 133

<210> 4146
<211> 326
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<400> 4146
gggcttctat ccagcggatg tgaccatcac atggatgaag aatgggcagc ttgtcccttc 60

ccacagcaac aaggagaaga cggctcagcc caatggngac tggacatacc agacagtctc 120

ctacctagcc ctaacccctt cctacgggga cgtctacacc tgcgtggttc agcacagcgg 180

gacctctgag cccatccgcg gggactggac acctgggctg tcccccatcc agacagtgaa 240

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cagatggcgc aagtctcatt cctcca 326

<210> 4147
<211> 412
<212> DNA
<213> Mus musculus

<220>
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<222> (62)..(64)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(155)

<223> n is a, c, g, or t

<400> 4147
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annnaacaan caancaaacn tacatcatag atggatggat gcatgaacag gtatagatng 120

atagatagan aganagacag acanacannn nnnnntacag acagaaagaa atgaagaatg 180

ttgaaccttt tgaattagtt gatggcaaat taagaggaag tggttggaga ccacgtttag 240

taatttacct gtaaacacag atctgagtca ggaatagttc actgtgttta agaaggatac 300

actgcagttt gctctcaggg aaatcttgtt ttgttttcac cagtaaaaaa tgccctagga 360

aggtatcttt cacagactga ccatttgtat aatagtgtct gatggtatcg ta 412

<210> 4148
<211> 521
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<400> 4148
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atgtaaaggt ttgtcatttc ctgcccccaa aaagaaaggc aagctgcctt ggggaaggtg 120

atcttcctcc atgtagcccc caaagctgtt ggagaccata ccgtgagaaa gggagctttt 180

cacagtctcc caccctgaca ggccaaatgg ccttgtgcta aggagccggt tgtcactccc 240

ttctccctgt ttccttcctg gcaccagagt ctgtaaaagc tgaattatag tcccctcttc 300

ctgactccca tgacatccaa ggacangtta tgcgctgagc ccggcctgac acccaaggct 360

gttaaggagg atctatgttc cggagataag actcagagtg cccgccacct ggcgcctgac 420

ttcagccctc atgtcccctg atgcccactt ctttgttctt tgttaattcc ccctcaaccc 480

ctccctatac ccctcaatgc gtgctttaaa actcggcgtt t 521

<210> 4149
<211> 253
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (220)..(220)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<400> 4149
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gccaacacta aatgaactca ctggtatttt cgaagtctgt gcttataatg cttgtctgtt 120

acttatatat tatgatgacc tgtcatgtgc ttttagacga cttcagggaa ttcataatgt 180

atatgtataa aaaaaaatca cagtactaga cacctcacan atatacantt ctatttacca 240

aggattcctg tat 253

<210> 4150
<211> 564
<212> DNA
<213> Mus musculus

<400> 4150
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tggtgccagg gacgctgctg ctattcagga aacggtggca aaatgagaag tttggggtgg 120

acatgccaga tgactatgaa gatgaaaatc tctatgaggg cctgaacctt gatgactgtt 180

ctatgtatga ggacatctcc aggggactcc agggcaccta ccaggatgtg ggcaacctcc 240

acattggaga tgcccagctg gaaaagccat gactgacatg tcccaccctt ccctgcctgc 300

catatgtctg actccagcat ccctgcctcc ccactcttcc cctggagtcc ccccttccca 360

gtgcttgctc cagccactcg agtggcctac ccttgcctcc aggctgcccc accctattct 420

cccacctaat cttgtccttc cccaagtcca gctccctctc tagtgggtaa tgagccctta 480

atcgctgcct ctaggggagc tgattacagc agcctcgtta gtgtcacccc ccctcctccc 540

agatctgtca tggccactta agtg 564

<210> 4151
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (58)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<400> 4151
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ctgccanggc cccccgtgtg accccactcc tggccttcag cctgctggtt ctctggacct 120

tcccagcccc aactctgggg ggtgctaatg atgcggaaga ctgctgcctg tctgtgaccc 180

agcgccccat ccctgggaac atcgtgaaag ccttccgcta ccttcttaat gaagatggct 240

gcagggtgcc tgctgttgtg ttnaccacac taaggggcta tcagctctgt gcacctccag 300

accagccctg ggtggatcgc atcatccgaa gactgaagaa gtcttctgcc aagaacaaag 360

gcaacagcac cagaaggagc cctgtntntt gagtaaagag atgtgaatca ctctggccca 420

ggaaaccaag gaccagaaga gaggaccagg cctcctgatg ctctntccca gacctaaccc 480

agccaagtct gtgcctagag agtcgatgtg agt 513

<210> 4152
<211> 316
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<400> 4152
acttggatga ctttcacgtg gaatccatag ataccgccag aataatattc aaccaagtga 60

tggaaaaaga gtttgaagat ggcatcatta actggggaag gattgtgact atatttgcct 120

ttgggggtgt tctcctcaaa aaacttccac aagagcagat tgccctggat gtaggtgctt 180

acaaacaagt ttccagtttt gtggcagaat tcataatgaa taacacagga gaatggatac 240

ggcngaatgg aggttgggaa gatggcttca taaagaagtt tgaacccaaa tctggctggc 300

tgacttttct gcagat 316

<210> 4153
<211> 465
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<400> 4153
gaggcgagcc aagaagaagc gtttctgagg agcggcgcgc agttctcccc cacccacggg 60

ctggcgctgc cacaggacgg cgtctattac ctctactgcc acgtcgggta caggggcagg 120

acgccccctg ccggccgaag ccgtgctcgc tcgctcacgc tgcgcagcgc cctgtaccgc 180

gcgggggggcg cctacgggcg aggttccccc gagttgctgc tggagggcgc ggagacagtc 240

acacctgttg tggaccccat cgggtacggg tcgttatggt acacgagcgt ggggttcggc 300

ggcctggcgc agctccggag cggcgagagg gtctacgtna acatcagtca ccccgacatg 360

gtggactaca ggagagggaa gaccttcttc ggggcggtga tggtggggtg acanccatct 420

gtattcattc ctggaggatc gactgacggt gcgaatgtgt gaatc 465

<210> 4154
<211> 524
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (292)..(292)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
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<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<400> 4154
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gctgcttctg accccatggt tccatggaga acggagaatg gactccagag agttttggac 120

ccagagggac ttcatggctt tctgcgaggt ggaggggtcg gggtggggag tccaggagag 180

ctgctctctt cccctgtcca gtcagtaact ttcaactgtt ggtctgacac ctgtgttaat 240

ctctgacctg aaagtgaaga tacacgcatt tttacaacag ccagccaaac anagnagact 300

cangngactn cggncnnant gngccancct ncgaggagac aagagagggt gggtgcagag 360

gaagggtttg aagggtgcac atttcaccag gcgaggtcac tttgaaccgg tgtgtacaca 420

cacgggtgtc tctttttttat ttcttcggga ggggggaggc tatttattgt agagagtggt 480

gtctggatgt atttcttctg ttttgcatca ctttctggaa ataa 524

<210> 4155
<211> 372
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<400> 4155
aatgactcca ccgtctttga taagctcttt ttctcccagc taagccggtt ggggccgcgg 60

gcgaagctga ggcagactgc tgacatatgt gcactccctg caaaagcnca catctaccgt 120

gagggctgcg cgcagagcct ccagaagtgg ctgcacaaca atatcatctc catagtggga 180

atctgtctgg gagtcggtct tcttgagctc ggcttcatga cgctctcaat attcctgtgt 240

agaaatctgg atcacgtcta tgaccggctg gcccggtacc gntaggcccc agcccaccca 300

tcggcaccca cgcacctcca tgcagtcagg aaatgtttcc ttcctggttg gtcacaggct 360

tggagcccat gc 372

<210> 4156
<211> 237
<212> DNA
<213> Mus musculus

<400> 4156
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tctcccgatg ctgcactcag gacattgtgc tcccagatgg tcgggtcatc cctaaaggtg 120

tcataagccg aataagtatt ttcgggacac atcacaatcc agctgtgtgg ccagacccgg 180

aggtctatga ccccttccgc tttgatgccg acaacgtcaa gggcaggtca cccctgg 237

<210> 4157
<211> 509
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
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<222> (410)..(410)
<223> n is a, c, g, or t

<220>
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<222> (446)..(446)
<223> n is a, c, g, or t

<400> 4157
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ttcacctgtg aagtgccggg cctctactac ttcgtctact acacatcgca tacggccaac 120

ctgtgcgtgc accntgaacc tcaaccttgc cagggtggcc agcttctgcg accacatgtt 180

caacagcaag caggtcagct ccggaggagn cctcctgcgg ctccagaggg gcgangaggt 240

gtggctatca gtcaatgact acaatnggca tggtgggcat agagggctcc aacagcgtct 300

tctctggttt cctactgttt cccgactaga acggcaggct gcttccagcc cccanccacc 360

cacctcgctc cctctgcttt ccccatcctc actcagacct cttcctccan gaagtccacc 420

ctggttcctg atccatcggc cctgtntctc ctcagagttt ctctgggaac cacctaatgg 480

tattattcct gtggccattt atcaatacc 509

<210> 4158
<211> 416
<212> DNA
<213> Mus musculus

<400> 4158
aaaaatactg cacatctctg tcctccaaac tggcagcatt caatgactct cctaagtatt 60

cctatcaagt ttctctgccc agcggcttag aggagttgct agatcgttcg aagtcatatt 120

ggatacagga gatgagcaag aagtggagct catattgtga catgatacaa atatataaca 180

agaagtggga aagaacaatt tccaagtgtg cagagcttca cccctgcatt tgtgagttgg 240

aggctttcag gtttcctgat gggatccatc tgaactgaaa cggacacttg aacaagacct 300

tttgacctac atccttaacc tacggcctgc caatttttaa gactgctatt cctccagcac 360

tccctcactc tcgggcatgc ccagctaagg gatgacctgc tgcttgcttg aaagct 416

<210> 4159
<211> 574
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (425)..(427)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (504)..(504)
<223> n is a, c, g, or t

<400> 4159
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gagtggccca gaccagcttc tactctcagc ctaaccacag gttccggaag ttccactacc 120

tgaccttcgt gccctctgcg gaggatgtgt acgactgcaa ggtggaacac tggggcctgg 180

atacaccgct cctccagcac tgggagcccc aagtgcttac cccaccaccg gacaccatag 240

agaccctgat ctgtggcctg ggcctggttc tcggccttat gggctgcctc ctgggcaccg 300

tgctcatgat cacaggcaca cgcaggccca gtatccgcag gtaacttctc ttctgagaaa 360

cccttgagag atgattcctg gcggacttct ggaagcttnt gcgtgctcag cggcancctn 420

gtgannncan gtgttgacct cgagtggcat caacctctgt tcaccaaatc ccaggagaac 480

attgtgggcg cagtctcctg cccntggtac cccatttcac tcacagctcc agtgccatcc 540

acagctctgg cagccgcact aaattctctt aaga 574

<210> 4160
<211> 511
<212> DNA
<213> Mus musculus

<400> 4160
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tatcctgctg atggaaattg tcacctatgg ccggatccct tacccaggta tgtcaaaccc 120

agaggtgatt cgggcactag agcatgggta ccgtatgcct cgaccagata actgtccaga 180

agagctctac aatatcatga tccgctgctg gaagaaccgc cccgaggaac ggcccacctt 240

tgaatacatc cagagtgtgc tggatgactt ctacacggcc actgagagcc agtatcagca 300

gcagccttga cagcagtaag gacatgagca gagccagaag ccccatcagt gccttgacac 360

gcccaacttg ctgggcccac tctcagacac cacaccacac acactgcagc tgttgagtgg 420

gtgggaggac ttcacaatct ctttctgact ctagtcatct gcaatccgcc actctcaggg 480

cctccaagtt ggtatgtctc atttgcctgg a 511

<210> 4161
<211> 490
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (110)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(126)
<223> n is a, c, g, or t

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<222> (129)..(130)
<223> n is a, c, g, or t

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<222> (132)..(132)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

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agatggccac tgagaccact gataccgtct gtcatccctg cccagtcggn nnnntnnnnn 120

ntcnnncann anttttcgaa aagtgttatc cctggacaag gtttaaagtc ccggatgcga 180

gccctgctgg tcattcctgt cgtgatgggc atcctcatca ccattttcgg ggtgtttctc 240

tatatcaaaa aggtggtcaa gaaaccaaag gataatgaga tnttaccccc tgcggctcga 300

cggcaagatc cccaggagat ggaagattat cccggtcata acaccgctgc tccagtgcag 360

gagacnctgc acgggtgtca gcctgtcaca caggaggatg gtaaagagag tcgcatctca 420

gtgcaggagc ggcaggtgac agacagcata nccttgaggc ccntggtctg aaccctggaa 480

ctgctttgga 490

<210> 4162
<211> 398
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (97)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<400> 4162
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cgtggctaca ggagtccgtg gcccgcagct tgtgctnnta gagggcacct ggttgccnat 120

cagcagggta ctggctaaat aaatctgtaa ttatttatac aatgncatct cagaaactct 180

agcaggtggg gcagaaaaca ggtagtngaa tgatgggtag agaaanagct tttaaaanca 240

cattccaagg caggtaagat ggcttttgtg agtaaaggag cttgctgccc aaacccggtt 300

acctgatttt gatccctggg acttcatggt aaaagggaga gaaccaaatc cagagggttg 360

tcatttgacc tccatgtgtg ctctgtggta atgtaccc 398

<210> 4163
<211> 465
<212> DNA
<213> Mus musculus

<400> 4163
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ttcacattaa ccttccccat ctccttttcc taggagaata attccacaca ctgcacccca 120

tgatggccac caaacatcaa agaagggaaa atctcctgca ttgagtttta gttttgagtt 180

ttcccttctc tttattagat ctctctaggt tccttgaagt cagtgttctg atgattatta 240

atagttaatg ataacacaac ccactctctt ggagctgatg ttatgaagac aacaggtaga 300

aaaattcctg ggctcaggct ggagtgacac ccttttcttt ccctaacatc ttctactcag 360

atacctaaat ttaagattca ggacagctgt ccccaactct taccatgtct tttataactt 420

gctccttaac ttgcccaacc tgtaggctat ctcattttct cgctt 465

<210> 4164
<211> 482
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<400> 4164
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caaaggagaa cctggacgag tcggtcagaa gggagacccg gggatgaaag ggtcttctgg 120

ccagcaagga caaaagggag aaaagggtca aaaaggcgaa tctttccaac gcgtccggat 180

catgggtggc accaacagag gccgagctga agtttactat aacaatgagt gggggacaat 240

ttgtgatgat gattgggata ataatgatgc gactgtcttc tgtcgcatgc tcggttactc 300

cagagggaga gcacttagca gctatggagg tggctctggg aacatctggc tggacaatgt 360

gaatngtcgg ggcacagaga acagtttgtg ggactgcagt aagaactcct ggggcaatca 420

caattgcgta cataatgaag atgcgggtgt ggaatgctcc tgacttggga gcccgagagg 480

tc 482

<210> 4165
<211> 96
<212> DNA
<213> Mus musculus

<400> 4165
tcctttcagt caaaatgtca ggttctggca cccccatgaa cccaatcttc cagaagagcg 60

gtgtgtttca atagtttact ggaatccttc gaaatg 96

<210> 4166
<211> 410
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<400> 4166
gaagatttac ctatgagtgc ctgttattca ttaatatctt taaagttcag acctaccaag 60

aagccataac ttcttggcct gtacatctga cagaggccgt tcttttccta gccactattc 120

tttactcaaa cagaatgagc cctttctcct tctgatggtt agagttttgt caacttgaca 180

caaactagag tcacctgggg agtaggatct tcagctaagg aattgcctct gtcagcttga 240

ccagtcagca tgtctggggg cattttcttg attaatgatt nttgtaagag ggtccaggtg 300

gtaagcaaag gtgttaaacc catgaagagc aagccaggga gcatcatcca tccatctctg 360

ccctcaggtt tctgccccag ggtcttgccc tggtttcttt ctatgaactg 410

<210> 4167
<211> 347
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (128)..(128)

<223> n is a, c, g, or t

<400> 4167
aaaaacaacc tgtgtctggc cagacctgac cggccttctc tggctggtga tcctccctca 60

cgcattgtgc cacgtctgct tctccaaccc caggcaccca ccaccatctg ctccatcctg 120

tgcctcantc actgcagctg gatgtgttcc tgttgtaatc gtcactaaca cttcttcttc 180

tctgacccct tgatactcta ccccgttcac taatcttact acccactttc tggccctggg 240

gagaaatccc caggaaggac agaagtaagg aagcaagagg cactgtcccc agttggcttt 300

tcttctacaa agatgttgga ccttctgtgg agatggtgcc ttccctc 347

<210> 4168
<211> 581
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (503)..(503)
<223> n is a, c, g, or t

<400> 4168
taggcacagg agagtcacca cccagcaccc tcactgtcta ctacagtcca gagaccatcg 60

gcaagcgggt cgccttggga ctaggcttct gcctgactat ctncatcctg gccatctggg 120

ggatgaaaat ccagaaaaaa tggaagcaaa accgcagcca gcaggggctt caggaaaatt 180

ccagtggcca gagctttttt gtgaggaaca aaaaggctag gaggacccct ctctcagaag 240

gcccccaatc ccagggatgc tacaatccgg caatggatga cacngttagt tatgccatct 300

tgcgctttcc agagagtgac angcacaang ctggagatgc agggacccca gcaacacagg 360

ctcctcctcc aaacaacagc gacncggtca cttactcggt gatacagaag cggcctatgg 420

gggattatga gaatgtgaat ccgagctgcc cggaggatga gagcatccat tactcagagc 480

tggttcagtt tggggctggt aancggcccc aggcaaagga agacgtagac tatgtgaccc 540

tcaagcactg aggtgggtag cagctgctgt ttcaggttct t 581

<210> 4169
<211> 582
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (514)..(514)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (518)..(518)
<223> n is a, c, g, or t

<400> 4169
ggagcctttg cactgtagat tctaaagaaa cccaagaatt ggattccagg cctccatcct 60

gaccgttgtt tcaagggtca catccccaca gtctccagcc ttccccacta aaataacctg 120

gagctctcac gggagtctga gacacttcag gggactacat cttccccagg gccactccag 180

atgctcaggg gacgactcaa gcctacctag aagttcctgc acagagcagg gtttttgtgg 240

gtctaggtcg gacagagacc tggacatgaa ggagggacag acatgggaga ggtggctggg 300

aacaggggaa ggttgactat ttatggagag aaaagttaag ttatttattt atagagaata 360

gaaagagggg naaaatagaa anccntcaga tgacaactag ntcccagaca caaaggtgtc 420

tcacctcaga caggacccat ctaagagaga gatggcgaga gaattagatg tgggtgacca 480

aggggttnta gaagaaagca cgaagctcta aaanccancc actgcttggc tagacatcca 540

cagggacccc ctgcaccatc tgtgaaaccc aataaacctc tt 582

<210> 4170
<211> 523
<212> DNA
<213> Mus musculus

<400> 4170
agaactgtca gtgatcgcca acttcagtga acctgaaata aaactggctc agaatgtaac 60

aggaaattct ggcataaatt tgacctgcac gtctaagcaa ggtcacccga aacctaagaa 120

gatgtatttt ctgataacta attcaactaa tgagtatggt gataacatgc agatatcaca 180

agataatgtc acagaactgt tcagtatctc caacagcctc tctctttcat tcccggatgg 240

tgtgtggcat atgaccgttg tgtgtgttct ggaaacggag tcaatgaaga tttcctccaa 300

acctctcaat ttcactcaag agtttccatc tcctcaaacg tattggaagg agattacagc 360

ttcagttact gtggccctcc tccttgtgat gctgctcatc attgtatgtc acaagaagcc 420

gaatcagcct agcaggccca gcaacacagc ctctaagtta gagcgggata gtaacgctga 480

cagagagact atcaacctga aggaacttga accccaaatt gct 523

<210> 4171
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (309)..(309)

<223> n is a, c, g, or t

<400> 4171
tgatctgccc agtccattga aaagtcaaga ggtcagagat agaccagtgt gtgtctcaat 60

ggatgtagat atcagccacc tcggtgctca acaggtattt tatgatctcc ttgtttcaaa 120

ttcatctaga tgtagaacta gggagagagc agtcacattg atgaaaggct aggactcttt 180

cagctcatgg cttgtgtgga aggagggaaa gcagaaatca caacactctg agactactgt 240

agtctgcaga tacctgagtg ggtgtggctt ggcctttcaa aggacaaaga gcaactaatg 300

ctgaaagcnc atagtgtatc tatacggcat ggaatagtca tcacccagac ttaaagagaa 360

ctttggcagg tctgagcagc aaaatattgt tgtttccatt ttacataaag ggccctggag 420

ggctatagac tattccgctg gcagggctca tgcttgtaat gtgtccatct tgattcaccc 480

tgtgcagact cttaagatct ggccagttac caacatgttc tgtac 525

<210> 4172
<211> 59
<212> DNA
<213> Mus musculus

<400> 4172
agcctgctgt gttggtcaat ggactctgtg gatactttca ttctgtccaa ggagggatc 59

<210> 4173
<211> 320
<212> DNA
<213> Mus musculus

<400> 4173
gacatgccat aactttgtaa atctaacatc tactagtaca acaacacttt aacatcctcc 60

attaattgta tgtacaaggg gcaatgaatt agcaaagatg ttttgaaagc aaaatgaaac 120

aaacaaacaa gccagcacac aaaaaaagac ctgttttgtc ttttgcaaag attaaagaaa 180

ggcgttcaca tttctttggg gcttttgcta aataagtgga tttagctgct tttgatcatg 240

tacaaacaca tgaattatgt atattatatt actaatgata ggaaccaatt tttatctctg 300

tgcatattca tcatataata 320

<210> 4174
<211> 535
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<400> 4174
tgtccatctc tgcttttgga tgtaaagctt cctgttgtaa ctccagcgag gttcttgtag 60

tgctaccatc aaatcctgct gtgactgtga tggcaccccc tgtgacgctt caaccattgc 120

caccatcaga acaccaaggg aaaaatgttc cagaaaatgt atataagaac cactcagaag 180

aaatagtcta attntcttgt gtgtatgtga atgtgtgtgt gtgtgtgtgt gtgtgtgtgt 240

atgcatttcc ctgggaaatt aacacttcat tgccctggct tttgggggga atatcagaca 300

tgccataact ttgtaaatct aacatctact agtacaacaa cactttaaca tcctccatta 360

attgtatgta caaggggcaa tgaattagca aagatgtttt gaaagcaaaa tgaaacaaac 420

aaacaagcca gcacacaaaa aaagacctgt tttgtctttt gcaaagatta aagaaaggcg 480

ttcacatttc tttggggctt ttgctaaata agtggattta gctgcttttg atcat 535

<210> 4175
<211> 518
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<400> 4175
gccagagttg ctcaataaca ccaaaagctg cctcttgata attgagggga acacttctac 60

caggattttg tttgtgaaag atcaaaaata aagaatgttt tgcagcgaag ctaagtgtca 120

gggacgtgca agtagaggag aatagtttga tagtctgcat ctgtgaagag tattttgatg 180

gtttcaatta caaatggaac aaaggaagaa ttatatacac actgtgttgt gaaatatcat 240

actgcttggc agtttacacc tcatggttgt tgctacactt ctataagagc ttacattaat 300

cccttggctt tcaatcaaaa caaggtgacc agaagtggta ttcatgcttt caagagggac 360

atgcttagaa atatgatcat aaagtcacat ctntcatant ctncccaagt gcatgacctg 420

gtttcatctg taataatatg nccacaagtt tgncaagaag ttgagtatct ggctctaaag 480

agattttctt gactctgagc tctgtgacaa tatttgca 518

<210> 4176
<211> 171
<212> DNA
<213> Mus musculus

<400> 4176
gaggctgaca catttctact cttccaacag ccaagttacc tttcccctcc aagcaacaga 60

aatcttagct tgagtttaaa agtaattggc tgccattcat gcattgtttc ttttcaactg 120

aagcactgtg cctggagtat tttaagttat tgttcaggtc ctaagagtgt a 171

<210> 4177
<211> 447
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<400> 4177
agttaattct caccaattgg ccctttgcta gctgctggct ttaggtacac ataggataat 60

atgtgtccac gtttctactt ggaactggta aaagttgtca ctggctggaa aatggtatct 120

ctctcttgta tacaagatgg tccattgaca ctggtacttt atgaagcagt tctttgtttg 180

tttgattgag ctctcttgaa ccttgttcat cttttagttt ttgcttagaa tagaatggaa 240

ctggtttgaa gttaaaggaa atattcattt tgaaacttgt tcattttgaa aggaaatgca 300

agtttcaaaa tgaaaaataa aatgaaaaag gaaataaatt attgtcccag atggtcactt 360

gagttttaaa aaatggctgc acacagtaaa actgctaaaa acnaaaactt acctcattat 420

tggtttgcat ctttttcag ctactaa 447

<210> 4178
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (87)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<400> 4178
gtgcttaagc catcagcatg tcctgagctc agtcttcgga tatatgaagg ttttcattat 60

ctgacagcca gcctcacttt ggatgcnnnn tccaacagtg tcttccctcc ctttctccct 120

tcctcttcct cctgtgcccc tccctgaaag ggctcaacct tgcntgcctg tcctgttcta 180

actgtcccca gtcacatatc ccatgtgcaa cactgaccac acagtgtctg tcaccacggc 240

cagcactgca gctcgcccca gcacaagccc ccctggctgg cttggacctg agtgtttgct 300

cccttcctgc cactcctgga atctgcaatg tggcgccatc ttgcttgtat gcagggcacc 360

cgtttttgtg catttcgctt tgttttccng gatattcttt actcttgcac atgagcacct 420

gtacttagga acagtggaga acagtgaccc gtctggcccg actcccagtc tcagaagcaa 480

cccctccaca cagctgtggg ctccccaaag gcgtctgcac acaagcaagc a 531

<210> 4179
<211> 269
<212> DNA
<213> Mus musculus

<400> 4179
tcccactggt gaattgttgt tgttcttgtt gttgtttttt gttattggtg aaaattgtga 60

aattgttaag gtctctgttt ttgttattta tctccctaaa tcacatggct gctgcataca 120

ttgcaatgtt gccctaccac atgtatgttt ttgcaagttg cttcttcact cattgaagaa 180

gcctgcaccg taagtgaaac tcacttagtc cttgctaatt gctgctcact gtcacgtgaa 240

cgcagagaag gctgattttc ctggaccca 269

<210> 4180
<211> 392
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (191)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (220)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<400> 4180
aagcaatggg aaggctgtgt gtctagaact catggtctca actgcagaca agcttagttg 60

tggatcctgg acagcacacc cagatactaa gtctagacag ctgagctgtt cgttagttct 120

ccctccagag caaagcctgg atacctgtgc tcccaccggc ctcagatgag ggtctnctgt 180

ganactgtgg nnnttggnna tnannancnt nttganaatn natgcanaan tgnnattann 240

tnattntgtt ntnantggag ttgtttgtnn atggtnangt ttgnanatgg nntttgtgtg 300

tgtntngagn attggnttttt tgggtggtag cgaggaagta gacttggagg ttgagctcat 360

gaacagtttt gtgcttcaga ctgtcttttt tg 392

<210> 4181
<211> 378
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<400> 4181
aagatcgtct caatcatctg tcgtcatcat ggtcatcgtt gctantctgg ttctcctggg 60

aggtgtgatc actattgttg ntggtgtgca agaggagggg tgcaggggaa agatgaatca 120

gttatactca gactgccagc aggaacagtg attaagttct gatgcttctt tcaccattta 180

gaaagttggc atctcatggt gtgtctcctg tcagcacagt gtgacaaagt gagcagccca 240

gggcatccct gaggactgag tctcctctcc atacctgtgt ctcctccttt tctcacctgt 300

accacagggg gatccaggac ttcttcatcc cttgtggaac tttaggtttc tatgggcagc 360

ttcttcccta ttgaaaaa 378

<210> 4182
<211> 389
<212> DNA
<213> Mus musculus

<400> 4182
aggcagatga cagctctgag cccctgcctt ccatacttga ggcggccccc tcctccacag 60

aggaagagat acattatgcg accctcagct ttcacgagat gaagcccatg aacctgtggg 120

ggcaacagga cactaccacg gagtactcag agataaagtt tccacaaagg accgcatggc 180

catgaccgtg gctggagaaa gcatggtggc cccaggaggc tggctctgga gaaggaaaga 240

gtcacctagg ttgacatgtg atacacaggg cttcagagcc attccttctg tgacacaggc 300

gttctgtgct gcccatgccc ctgtgctgcc ctgtccacac aactgctatt gtgccctggg 360

aatcataagc ttgacctttt tactcctct 389

<210> 4183
<211> 490
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<400> 4183
ctcgtggatt ctacgcacca atggggaagg aagccaactt gcctggggaa agcaagatag 60

caaagtggtc ctagcctcna gagaggggac acctagctaa gagaatgacg acagaggttc 120

ctgtcttcat taggcagagg caatataaga agccaacctg ggcaggcaag tcctcaaacc 180

ccaggaagnc agtaccctgc ccctgggagg gtaccactca catggaacca gaggaagctg 240

ctccatgcat acatagggga agttagcagg caattctgag ctcggcttcc tcccagccac 300

cgatctgggg gcgtgggggt aggaagcaga gttgcctagt accactcaag ccaaccgtac 360

aagctccctg ggggatccca ctggggaaac caatgctata gcttcagaga ctgtatcctc 420

attgcagaac cgtgaagaca cctggggacc ccctttctg ctcccagcat ccaacaacca 480

gctgggaaga 490

<210> 4184
<211> 552
<212> DNA
<213> Mus musculus

<400> 4184
gggtatcagc atctgcaatc catggagtct tgttatgatg cttttattgt gtatgacact 60

aaaaactcag ctgtgacaga atgggttttg caggagctgg tggcaaaatt ggaagatcca 120

agagaaaaac acttcaattt gtgtctagaa gaaagagact ggctaccagg acagccagtt 180

ctagaaaacc tttcccagag catacagctc agcaaaaaga cagtgtttgt gatgacacag 240

aaatatgcta agactgagag ttttaagatg gcattttatt tgtctcatca gaggctcctg 300

gatgaaaaag tggatgtgat tatcttgata ttcttggaaa agcctcttca gaagtctaag 360

tttcttcagc tcaggaagag actctgcagg agctctgtcc ttgagtggcc tgcaaatcca 420

caggctcacc catacttctg gcagtgcctg aaaaatgccc tgaccacaga caatcatgtg 480

gcttatagtc aaatgttcaa ggaaacagtc tagctctctg aagaatgtca ccacctagga 540

catgccttgg ta 552

<210> 4185
<211> 318
<212> DNA
<213> Mus musculus

<400> 4185
tgtgggtcag gcatgcttgt ttagcggtgc cagactgaag ctccggcctt ccggtgtacc 60

aagcaagtgt tgtactcctg agtcaggttt tcttcagtta gatgctaact aagctctctg 120

agagaccctc aaagtttttg aggtgtagct cagtcagtag agtgctgcat ctgcaagagc 180

aaatctctgg gttcaaaggt cagtactacc taaaaccagg aatggcagtg ccatccccta 240

cctgtaatcc cagcactcct gaggtacaag caggaagatc aggaatgcaa agttactgta 300

gctgtaagtt cgaagcca 318

<210> 4186
<211> 588
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<400> 4186
gaacaaacgc ctggatctcc tggagacgag cagagctgct gtgaacatgg tctgcaggca 60

gaagtacaag ctgggggccc ccttcactgt ggagagaaat gtgcctccag aggtgacagt 120

gtatccagag aggaccccgt tgctgcagca gcacaacctg ctgctctgct ctgtgacagg 180

cttctacccc ggggacataa ntgtcaagtg gttcncggaa tggacaggan gagangtctg 240

gggtcatgtc cacntgncct tgttaggaat ggagactgga ccttccagac aacagtaatg 300

ctggaaatga tcccagagct tggtgacatc tacagctgcc tcgtggagca ccccggcctc 360

ctgagacctg tntctgtggc atggatggct cagtctgaat attcctggaa aaagatactg 420

agtggagctg cagtgttcct gcttgggctg attgtcttcc tggtggnggt tgttatccat 480

ctcaaggctc agaaagcatc tgtggagact cagcctggca atgagagtag gtcccggatg 540

atggagcggc taaccaagtt caaggctgga ccgggacatg tcacatga 588

<210> 4187
<211> 531
<212> DNA
<213> Mus musculus

<400> 4187
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tcacccagag gaaggagaac tgaggtctga gtacatcctg gctctagcct tcccatggcc 120

tggcatttag ccacctaaca tccagtgatg caaatatgtc cagccgctac attccatggt 180

gtcccacaag ggagagacag tgatgggact agcagactgt ttggttgtaa cccatccctg 240

ctcaccctgc acaaactggg aaacactgtc tgcctctctt ttaatcctgc ctgctccagg 300

ctaacaggcc agtaccctca ccttcgagtt tctggcaaca ctacctgagt gcctgctcag 360

ggggttcagc ttctgaccat atgtagacac caccccagct ctgagtttac acatcatcac 420

cccttgccta agacctgaaa ccccccttta ccttcgccca ggtgtgccat ttccctgctc 480

cctcctggat ccttgggacc tgtgaaccta ctcaagtgct gctctcaata a 531

<210> 4188
<211> 230
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<400> 4188
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gctgttgtga ctcaggaatc tgcactcacc acatcacctg gtgaaacagt cacactcact 120

tgtcgctcaa gtactggggc tgttacaact agtaactatg ccaactgggt ccaagaaaaa 180

ccagatcatt tattcactgg tctnataggt ggtaccaaca accgagctcc 230

<210> 4189
<211> 306
<212> DNA
<213> Mus musculus

<400> 4189
ttactcctgc actgtgacac acgagattga ccgctacacg gcaattgcct attgggtacc 60

ccagaacgcc ctgccttcgg atctcctaga gaatgccctg tgtggtgtgg cctttggcct 120

cggtgtgcta ggcaccatca tgggcattgt cttcttcctc tgctcccaga gaccgtgctc 180

aggtgactga ttcttctcaa ggagatcttg gaacagcaca ggccaggcca gcggggatgt 240

ccaggcatct cgtgactacc caaggtctct catcggagcc gaagtcccag ggatccctca 300

gggtgt 306

<210> 4190
<211> 214
<212> DNA
<213> Mus musculus

<400> 4190
tgcggcggct tgaacagccc aatgtcgcca tctccctgtc caggacagag gccctcaacc 60

accacaacac tctggtctgc ttcggtgaca gatttctacc cagccaagat caaagtgcgc 120

tggttcagga atggccagga ggagacagtg ggggtctcat ccacacagct tattaggaat 180

ggggactgga ccttccaggt cctggtcatg ctgg 214

<210> 4191
<211> 296
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (30)..(31)
<223> n is a, c, g, or t

<400> 4191
gtgcagacac aactacgagg agactggagn nccccacctc cctgcggcgg cttgaacagc 60

ccaatgtcgc catctccctg tccaggacag aggccctcaa ccaccacaac actctggtct 120

gcttcggtga cagatttcta cccagccaag atcaaagtgc gctggttcag gaatggccag 180

gaggagacag tgggggtctc atccacacag cttattagga atggggactg gaccttccag 240

gtcctggtca tgctggagat gacccctcat cagggagagg tctacacctg ccatgt 296

<210> 4192
<211> 452
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<400> 4192
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agcggcatcg ggggctgcgt gcttggggtg atctttcctc gggcttggcc ttttcatccg 120

tcacaggagt cagaaaggac ctcgaggccc tcctccngca gggctcctgc agtgactcag 180

agtgttttga ctcagttgac tgtctcagac tgtaagacct gaatgtntnt gntccgaatt 240

cctgactgcc agtccacctg ccantccgan tcagagtnta gcatggtact attgtatcca 300

ccacntcagn tnttgtgatn tggagtcccc cagtntctgt ntgtagntnt gntccttggt 360

gattccagag antccatctg tgtacagccg caccccaggc tttctgtntt cgatntgtag 420

taaaccaatg tatgcttatc cccacctaga tt 452

<210> 4193
<211> 441
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<400> 4193
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ttcataggat tcacaatgga gagggctagg aagatactgg acaattttca gcagtgtgac 120

actcaagtcc tggtcccttg gagagaaagg acgcggtgtt caagaagtaa tctcatcaaa 180

atcagagtca atgagacctt acatacagaa gacatgaggt cttagattat tggagggaaa 240

gtggaacgag tagttgagat gctgagggaa ggttgctaag agatctggca ttgcttncaa 300

ttcttccctt atcagaacga aatatgtcct gtgttagagc tagcatgatn cgcaagccan 360

caactcccct tattttccag acacctccta gtcctattgt gagatatttt gtntcccctg 420

cccaatgtat tgttcccaaa t 441

<210> 4194
<211> 454
<212> DNA
<213> Mus musculus

<400> 4194
attgctcaag gcttacgtct ctacaggcct catctggcat cagagagggt atataccatc 60

atgtacagct gctggcacga gaaagcagat gaacgtccta gtttcaaaat tctcttgagt 120

aacattctag atgtgatgga tgaagaatcc tgagctggct gctaagctcc gtggatctcc 180

tcctctctcc tacaaaacct aattccatgt ttcctgagga gttccctggc tgcagggctc 240

tagccttcca tgcgcctact gaatgcatga agagccctgg acatctagga atgcctttct 300

tctctcgttc cctggcatac tgctctaagc aaaggtcaag ggatttctgt gcctagtatt 360

acccataact tcaagactcc taacagactg aattggggat gggaacactt tgggggaggg 420

aaaactgtaa atagctccac tagttgtcca acag 454

<210> 4195
<211> 408
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<400> 4195
aatatgagct gcagccctag caaccaatgg tctcttcagg gctcccagcc tgagcctcct 60

tctggactct gactttgggt taatatgttc acacttagct cttcttccag gtaggttgca 120

gaatcaggga agaatggtgt gcctgcttct caagtgaggg agccaggaga caaagatggc 180

ttcatggtga ggcatgagct ctcaaggcac aacctcggtc cacctttcac tggctgtgtg 240

cctttggcca agttactttg ctgctctgtg tcgtctcttc cttgaatgta aaatgagcaa 300

ggattgtgtt agaactnacc tccagttgtg ttcagacccc gatagtcccg aaatcagtct 360

gaccagttag cgatggacag gatgtcaggc tgtcataacc cagagtgc 408

<210> 4196
<211> 550
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (507)..(507)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (521)..(521)
<223> n is a, c, g, or t

<400> 4196
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ccaagagact caagtagcag gttatatcca tgtgacacag agcttctgta tcctggctgt 120

cctgtggggc ctggtgtctg tgagcttcct ggttctgtct tgcatcccag ccctgtctgc 180

tcccggccgt ggccctctgg tctcaactgt catggctttt tctgcagctc tctccatatt 240

agtggctatg gcagtgtaca ccagtatgag atggagccag actccatttt ctcaagtcca 300

gacattcttc tcctggtcct tctacctagg ctgggtntcc ttcatcctct tcctctttgc 360

aggcngcctg agcctgggtg ctcactgtag aacccgtcgg gctgagtatg aaaccttgtg 420

aacagcagcc aaggacagca gggtcatcag gatgtttgga ncctntcctc tcaggagcta 480

caaaaggaat gcagaattct gtctctntcc ctcccacctt nccttatcct tcattggttt 540

cttcacacac 550

<210> 4197
<211> 448
<212> DNA
<213> Mus musculus

<400> 4197
agaacagata tactatgccg gccctgtcaa taaccctgga cttgatgttc cacagggaga 60

atatcagctc ttgctggaac tgtacaatga aaaccgtgct actgtggctt gtgccaatgc 120

cactgtcacc tcctcctgag catggtctgc aaggaaatgc acagtaaact caatctcagg 180

ggaccccaag gtccctggac tcacctagct gcaagaacca ctgataacca agagaggctt 240

tacaaagaaa tttcttgtgg gtcactcttc cgatcttagc tccagggaca gatgttccca 300

gacccaacag atgtaataaa ccctcaaaaa ctatctattt ctgaggaccc tgagtagtct 360

tgaagcccta ttgtagtacc tctccttatg taattacgtt tcatcaaagc tacttccctt 420

gcctgctcct tagcaacact tccttgaa 448

<210> 4198
<211> 490
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

<400> 4198
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atgtgttgag ctagcctatg ttgttcccac gatctacttc ctacaacagg actgatagaa 120

aggccctagc tcctgctaca gacatgcgct ggttgtgggc tgaggaataa caccagtgca 180

tgcgcagaca ggctcctgtg ctcagcctgt ctgggagacg aacctatttc tagtctttaa 240

gatctgtggc tttaaaagtc tgctcactag aacccaaggg gctgaaaatg caagacgatt 300

ctggaaccag ggtagaagag aacagaggca tcaagaacat agggtgcaga gaccancctc 360

ggcttcaaag aatcgtgaga atttttgntc agcttttcag cagntcattt gtgtaaattt 420

tntcctttac tttctgtttg taaagaatga gctcttttnc caatttcatc tgttgtgttg 480

ggtcagcctg 490

<210> 4199
<211> 242
<212> DNA
<213> Mus musculus

<400> 4199
aaccaaatta tctatgccca tatgcctgta taagctatat caaagtatat actttgtgag 60

caatgtgctg aatcacaaaa gagtcagaat tggatttgac accatatgaa taaagacacc 120

cagaatctta catcatttgg aaaactagtc gtgacattaa tatgcaatta gctggaaagt 180

tataagatgc accacaaaca catcttatat gcactataaa ttaccacaca aagatcatgc 240

tt 242

<210> 4200
<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<400> 4200
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ccgcatttcc tccatcagca gttacagcag agggaaaaga cacatgactg ttctgttcat 120

ctctgaactc tctgactcct tcttcatgtt tggtggagtc ccttttgcat gattgtctta 180

aagaatatga gagaaattgt ttaatgagaa ttgttttaat aatgagagaa aatgagacac 240

ctatatgcct gtggggaagg cacaaaatat ggcatgttct tcaagcttct gtgtcccact 300

tgggaagctg tgaaaggcct agtcctaagt ctgtctctgt acaaaaagca tagcttacac 360

ataagcaagt ttcatntctt aactttgccc atctccagtt tcttggcttc tggtcacatc 420

gtttatgtat ttgtattctt tagtcaagag aaaaaagaat ggtgagacag aaatgtaatg 480

ggttcccaga tctcaaatcc taagcaacag ctgtgctttg agattctttc ca 532

<210> 4201
<211> 428
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<400> 4201
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atgcaggtat caccatcttc tctgttggtg tggcttgggc accgctggat gacctgagag 120

atatggcctc taaacccaaa gagtcacacg ctttctttac cagagagttc acagggttag 180

aaccaattgt ctctgacgtc atcagaggca tttgtagaga cttcttagaa tcccagcnat 240

aaccgatact ctgacaactc aaggnatacg tncaagggga tctaatgtnc aaattatatt 300

ctcaatgcct atgtaacttt atagctnacc agtntcaaaa aatgcgtcca cagctgttta 360

aagcaaatga atattcatgt gatgctcaca atttagattg nccgagactt gataatcagg 420

cccttaga 428

<210> 4202
<211> 435
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
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<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<400> 4202
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ggctgagaag ttaacactca agccaagaca gctatcccca aaacgacagc caaaagtgaa 120

agtgagaggc tgccacactt tccggagtga gggatgtggg gccagtgaac accctggttg 180

agtagtcttc ggaggcctct gaatgaacct gcttctagct tagagagatg tcccggagat 240

tcaaggacag agcttatctc cacacttagc aagcaagcaa gagatgacan tctctctana 300

tgctcccaca gagcnacccc tnccctctcc ttntgcctnt ccaccncctt tcctgagntc 360

cagnccacac catcanccct gaaggcantc ccagctgggg ctntggatgn caatgacaag 420

tagttgggtc tctat 435

<210> 4203
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (132)..(137)
<223> n is a, c, g, or t

<400> 4203
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aactgcaagc ataatgggtg tagtcagtgt ggctgtgggt tcacagtttc cgtttcggta 120

taattataca annnnnnagg gtttggatgt tttgatgtta attttcaata tgctagaatt 180

ctgccttgct gtgtccgtct ctgcatttgg atgtgaagct tcctgttgta actcccgtga 240

ggttcttgta gtgctaccat caaatcctgt tgagacagtg atggcacccc caatgacact 300

tcaaccattg ctaccatcag aacaccaagg gaccaatgtt ccaggaaatg tgtacaagaa 360

ccacccagga gaaatagtct aattttgatg tgtgtgtgtg tgtatttccc taggatatta 420

acacttcatt gcactggctt ttgaggtgaa tattagattt actgtaagta tgtaagtcaa 480

gcacttatta ggtcaacaac acttcaacat attat 515

<210> 4204
<211> 345
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<400> 4204
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tttgtatgct tcttgtttga ggaatgattt cagccctaat ctggtctgag acggagatga 120

gtggttggaa agtaagcctt accacactag ttggaatctg taaccagcag taactccatg 180

cacagccaag aagctttaca ttataaacag gaaggtgacc catgtggcac agaagaggtg 240

ggactcagta gagagcaggg acccccacgg gcctgntcca nccttgcctc agagcaggaa 300

ggaggccatt ccagacatgt gcaagtctac agatagatcc cagca 345

<210> 4205
<211> 539
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
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<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
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<222> (416)..(416)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<400> 4205
agagccagtg agtctgggcc ttgaagggcc cntccccccc gcccaggcag caaaggggat 60

gtgccatgtc cgaggccatg gacaggacag agctttgtgg ttctgtctta gtcacatgtg 120

ttcaggtcaa tgcccaggct actgtaatgt gtctcctggt catacccact ggtatacagt 180

gctttggggg tgtgctggga tgggggtgga cctgcaccat ttgtttgagg gcaacttgac 240

gtgtttaaga atgaaagggg gcctggaggg cacaccagtc tgtcatccac ccctcttcnt 300

caatganttn tacattggga caagcagcct gcccccgatg gcctccntcn tccagttcag 360

gttctcngtn tntgtgtggg gaggatagag ccacccantc caggtctggg gcaatntcaa 420

ctggtcctgt aaccccgcag cctcnccctt cctgttctga atcacggaga tatgctgtgg 480

cagggagctg tggaccctac catgtgatag tgcagctgca agccatgcat ggctgcata 539

<210> 4206
<211> 362
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<400> 4206
aggaatttgt gtgtactgtg actcacaggg atctgccttc accacagaag aaattcatct 60

caaaacccaa tgaggtgcac aaacatccac ctgctgtgta cctgctgcca ccagctcgtg 120

agcaactgaa cctgagggag tcagccacag tcacctgcct ggtgaagggc ttctctcctg 180

cagacatcag tgtgcagtgg cttcagagag ggcaactctt gccccaagag aagtatgtga 240

ccagtgcccc gatgccagag cctggggccc caggcttcta ctttacccac agcatcctga 300

ctgtgacaga ggaggnaatg gaactccgga gagacctata cctgtgttgt aggccacgag 360

gc 362

<210> 4207
<211> 455
<212> DNA
<213> Mus musculus

<400> 4207
gtggaaatga ccacggtcct ctcaggccct gggaggggct gcaaggaaaa gacagagtgg 60

acaccctcac catctcctcg ctcacagcca gctgccctaa ggcaggcact aaggcggctg 120

aggagcgctc tgccgcagac cacgctggta cagcagagct ggtccaacca cagttcagtg 180

ctcacaaata aaacctgtca ggcttttcct ctaagtacaa gttaaagaat tatcatgaac 240

ttttttaaga ctcaaaatta agttaggcat gattgatggc acatgcctgt taatgctcag 300

gggcctgagg ccgagggtca gtttgagacc agcctgggct ccatgagaag acccagcagg 360

caaagcagca cgtgggagct gtgaggacga ccccagcccc aataccccct tgtaaaggaa 420

ctgaaatcta gagagaaata acctttcatt ccaag 455

<210> 4208
<211> 216
<212> DNA
<213> Mus musculus

<400> 4208
cctctgcagc atcttttggt tagttcttag gcagctcacc tcagatgcta acgttgtaac 60

ctgtcagtta cactgctgag ggagaaacag cggctcatca ctctccctac acagaggatg 120

cgggggagga gacgggggag ctcctcagag ctcagtgtgg actgaactct gttcactgtg 180

ctcagaacag cacctcggga tctgtacagc cacaat 216

<210> 4209
<211> 523
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (336)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (480)..(480)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (492)..(492)
<223> n is a, c, g, or t

<400> 4209
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tgccacccag gaagaaagcc tatatgcttc agtggaggac atgcaaactg aggatggagt 120

ggagctgaac agctggacac cacctgagga agatccccag ggagagactt atgcccaggt 180

gaaaccctcc aggctcagga aggcaggaca tgtctcacct tctgtcatgt caagggaaca 240

actgaacaca gaatatgaac aagcagaaga gggccaagga gcaaacaatc aggctgccga 300

atctggggag tcccaggatg tgacctatgc ccagcnnntn cancaggaca ctcagacagg 360

gggcagctgc atntcctntn tcccagncag gggaancccc agaggancc agtgtatatg 420

ctactctggc ggctgctnnt ccagaggctg ttcccaagga catggancaa tgacccctn 480

cctgccagga tncctagcag agacctccaa gggactctgg gaa 523

<210> 4210
<211> 574
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<400> 4210
gtcagggtaa tatccatgcc ctctgccttc catatttccc tttgtcttga agaaagttga 60

caaagtctat tagccagtaa ctcatccttg ttgtttaaga caatccataa gaactgactc 120

cagaccacaa ctaatggatt tttaacacta tgtcgctcag gataccttac attcaacaag 180

aagtcaagga atagaaagta tgaacagcaa cacataatct agagttgagg ttatgactac 240

tatataaatt caaatgctgc ctcttacaaa ctaataaatt ctaaggttct taaactgaaa 300

attgaagtgc atttgactta agatggttgt atgaaactag gtatgtgtaa atataaaata 360

cccatttaac tntcttgtac ataatacatg ggcctatagt cctttgtact caatgaaata 420

ttttgtggaa tgtttggagt attataaata cctgttgtct tcaaatgcta ntcntcttcc 480

ttgcaagttt gattccatat gtataatctc atgtggagca tgtctgattt gaaaaaaaaa 540

gggggactgg tcttcactgt tgttctaaac tatt 574

<210> 4211
<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<400> 4211
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ctgacctgaa atttgtgtta ttccctttcc ctgctgtctc cattgtatct gcctcaaccc 120

naaaagcctn gggcccnanc nangtngagg ctctctccta acttaggctc tgcttatgtc 180

tgccttcatc ctttcagtca tgatgggact gtgcaagttt acaggccaac ccataaggac 240

taagaaagga acctggtgcc ctgggtctat ctgcagcatc tgaaatgctt ggtgcccaga 300

tctgccttat gcttgccttc ctctgggcag aattatcctc agcccctgca tagtctcctg 360

gccccaccca gatctggcac aggtggagat ctcagccctg cagctgcatg gggcctgtgg 420

gtcagagcag ctcctccccc tgtagcactc ctactcagaa cagagtagtc tttctcaatg 480

tctcttgttg accaactacg taggactggt ggacacctct gcattcatca ca 532

<210> 4212
<211> 349
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<400> 4212
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tggagctgtg gtggcttttg tgatgagaga tgagaaggag aaacacaggt ggaaaaggag 120

ngnactatgc tctggtctcc aggctcccag acctctgatc tgtctctccc agatngtaaa 180

gctgatggtt catgaccctc attctctagc ggtgaagaca gctgcctgga gtggacttgg 240

tgacagacaa tgtcttcnca natctcctgt gacatccaga gccctcagtt ctctttagtc 300

aagtgtctga tgttccctgt gagcctatgg gactcaaatg tgaagaact 349

<210> 4213
<211> 442

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<400> 4213
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agccttnata caaagaatca gaggcaactg aggagtgctg agttgaagga attgtcttac 120

ccaggggagg gcacattaat tggttatcta atacaaaatg ttcagcccca aaactgttaa 180

gataaaagcc tatatgcatc ttaggaagta tctaccttga tacaccttta ttggaatatc 240

atccacatgt ttattgtgtg ttctgaagag ggtctgttga atttctaagg gttgatcagt 300

ttaattgtnc cattttatat tcagggtgtt tggctttgtt gtagtgaata atgctatatt 360

tccctgtatg tgtcatcttt gactgttatt ttttcctggc aatactttat tcaacaagaa 420

cctagagcct tggtttatta ct 442

<210> 4214
<211> 543
<212> DNA
<213> Mus musculus

<400> 4214
gtgaaagtgc tattgcaact ccaaaaattt cttatcttct ctcacaagca aaggggacat 60

ttgtaaatgg agaatttgta gtatttaaga aaagtgagag gcatgagtgc atttgctatg 120

gaattggaga tgatacagga aaaatggcag tggtggttta tggacgactc accaatgtca 180

ggtgtgaacc aggcagtaaa cttagacttg tctgctttga attgacttcc actaaagatg 240

tgtgcctcct gaggtctgta aggcacagtt acatgcaggt catcaatgaa ggaaagccac 300

tcaacccaga ctcagtcagg agaaactctc tggaaccata cttctgataa cctggatgcc 360

aatgacactg tttgtggaga taagattcaa gtacagaaaa taaatgtgca caggcctgtt 420

gaaataccag tcttataaag accagctctt aattctaaga aatggtgctt tctcatattc 480

tttatacatt ctattatcta aatttcatag gttgtctcta taactccttt aactgttggt 540

ttg 543

<210> 4215
<211> 536
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (473)..(473)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (507)..(507)
<223> n is a, c, g, or t

<400> 4215
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ctctattcta agccaaggat aaacattgca catatggact atgaagacgc catgtagaat 120

tatgtaaaca gcaactatgg agtgctacat acaagcccaa ggcctgatgt ggcctccaag 180

gatactgggg acagggatag cttgccagcc caatttcccc acacactgcg gttcattaga 240

tgngtccttc acctaccctn tgtgaagctg gagcaagtcc tncagaaacc acccaggaaa 300

accaacttag acggagaanc cagaagcatt tgcatctggt tgttgcccat tcatgttgnc 360

acacgaactt ttatttacag gaggaaaatg gtgtgatgaa agcaactaag ntcttacagc 420

agagggacaa tgcgactcag agagcacaaa nccgagatca atggctttgc ggntctgctg 480

tggagacaga gccatgcttc ctctgtncac ataccctaga gtacttctga gtcact 536

<210> 4216
<211> 346
<212> DNA
<213> Mus musculus

<400> 4216
aactgactca gacaacttct ccattcctgg aggaaactgg agctgtttct gacagaagaa 60

caaccggtga ctgggacata cgaaggcaga gctcttgcag caatctatat agtcagcaaa 120

atattctttg ggaggacagt cgtcaccaaa ttgatttcca agccggtgga cctcagtttc 180

atctggctta cagctgcctg cccagtgccc ttgatctgtg ctggctccca tctataacag 240

aatcaaatta aatagacccc gagtgaaaat attaagtgag cagaaaggta gctttgttca 300

aagatttttt tgcattgggg agcaactgtg tacatcagag gacatc 346

<210> 4217
<211> 431
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (346)..(349)
<223> n is a, c, g, or t

<400> 4217
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taccttggag ggaagtcccc agagccagtg ccaggatgac agccaatgga accctccctt 120

ggctctttgc aaataccgta ggtggtcaac tattcctctt atttgtggta tttctgtggg 180

ctcagcactt atcattttga tgagtgtcgg cttctgtatg atattaaaac acagagaaag 240

caattattat acaaagacaa gacccaaaga aggagctctt catttagaaa cacgagaagt 300

atattctatt gatccatata acccagcaag ctgatgacat gacaannnna tcaagatgta 360

gaactctcag ctacctcttc agcaccatat ctgcttacat gccaccaagc taccctccac 420

gacaataatg g 431

<210> 4218
<211> 280
<212> DNA
<213> Mus musculus

<400> 4218
acaggcttct tacctgccga aattgctgtg gactggacca gcaatgggcg tacagagcaa 60

aactacaaga acaccgcaac agtcctggac tctgatggtt cttacttcat gtacagcaag 120

ctcagagtac aaaagagcac ttgggaaaga ggaagtcttt tcgcctgctc agtggtccac 180

gagggtctgc acaatcacct tacgactaag accatctccc ggtctctggg taaatgagct 240

cagcacacac aatgctcctg ggtcctaatg gacactggca 280

<210> 4219
<211> 506
<212> DNA
<213> Mus musculus

<400> 4219
gaacctgaac agactccaag acgatctagt caacatcaaa tccctgggct tgaatgagaa 60

gcgcacagcc tccgattctc tagagaaact ccaggaagag gtggcaaagc tgtggataga 120

gatactgatt tcaaagggaa ctgcatgcaa catatgtccc aagaactggc tccatttcca 180

acagaagtgc tactattttg gcaagggctc caagcagtgg atccaggcca ggttcgcctg 240

cagtgacctg caagggcgac tagtcagcat ccacagccaa aaggaacagg acttcctgat 300

gcaacacatc aacaagaagg attcctggat tggcctccag gatctcaata tggagggaga 360

gtttgtatgg tcggacggga gccctgtggg ttatagcaac tggaatccag gggagcccaa 420

taacgggggc cagggtgagg actgtgtgat gatgcgggga tccggccagt ggaacgacgc 480

cttctgccgc agctacttgg atgcat 506

<210> 4220
<211> 546
<212> DNA
<213> Mus musculus

<400> 4220
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aaaatggtca cagctttccg ctcacgttcg gtgctgggac caagctggaa ctgaaacggg 120

ctgatgctgc accaactgta tccatcttcc caccatccag taagcttggg cccggtgggg 180

gcggttcggg tggcgggggc tcgggcgggg gtggctcaga gctcggcaga tctgaggtgc 240

agcttcagga gtcaggacct agcctcgtga aaccttctca gactctgtcc ctcacctgtt 300

ctgtcactgg cgactccatc accagtggtt actggaactg gatccggaaa ttcccaggga 360

ataaacttga ctacatggga tacataaact acagtggtga cacttactac aatccatctc 420

tcaaaagtcg aatctccatc actgcagaca catccaagaa ccaatattac ctgcagttga 480

attctgtgac tactgaggac gcagccacat attactgtgg aggaggactg aggactatgg 540

actact 546

<210> 4221
<211> 239
<212> DNA
<213> Mus musculus

<400> 4221
gggctacttc cctgagtcag tgactgtgac ttggaactct ggatccctgt ccagcagtgt 60

gcacaccttc ccagctctcc tgcagtctgg actctacact atgagcagct cagtgactgt 120

cccctccagc acctggccaa gtcagaccgt cacctgcagc gttgctcacc cagccagcag 180

caccacggtg gacaaaaaac ttgagagcgg gcccatttca acaatcaacc cctgtcctc 239

<210> 4222
<211> 359
<212> DNA
<213> Mus musculus

<400> 4222
ctattactgt gcaagtctcc ggcccccgtt tgcttattgg ggccaaggga ctctggtcac 60

tgtctctgca ggaggaggtg gtagtggtgg tggaggatcc ggaggaggtg gttctgacat 120

cgtgatgacc cagtctccat cttccatata tgcatctcta ggagagagag tcactatcac 180

ttgcaaggcg agtcaggata ttaaaagcta tttaggctgg ttccagcaga aaccagggaa 240

atctcctaag accctgatct atcgtgcaaa cagattggta gatggggtcc catcaaggtt 300

cagtggcagt ggatctgggc aagattattc tctcaccatc agcagcctgg agtatgaag 359

<210> 4223
<211> 330
<212> DNA
<213> Mus musculus

<400> 4223
atactgctct ggttatatgg agctgatggg aacattgtaa tgacccaatc tcccaaatcc 60

atgtccatgt cagtaggaga gagggtcacc ttgacctgca aggccagtga gaatgtggtt 120

acttatgttt cctggtatca acagaaacca gagcagtctc ctaaactgct gatatacggg 180

gcatccaacc ggtacactgg ggtccccgat cgcttcacag gcagtggatc tgcaacagat 240

ttcactctga ccatcagcag tgtgcaggct gaagaccttg cagattatca ctgtggacag 300

ggttacagct atccgtacac gttccgaggg 330

<210> 4224
<211> 234
<212> DNA
<213> Mus musculus

<400> 4224
gcagtgccag ctcaattgta cgttatatgt attggttcca gcagaagcca ggatcctccc 60

ccagactcct gatttatgac acatccagcc tgtcttccgg agtccctgtt cgcttcagtg 120

gcagtgggtc tgggacctcc tattctctca caatcagccg aatggaggct gtagatgctg 180

ccacttattt ctgccagcag tggagtagtt acccactcac gttcggtggt ggga 234

<210> 4225
<211> 226
<212> DNA
<213> Mus musculus

<400> 4225
gacttgcagg gccagctcaa gtttaagttt catgcactgg taccagcaga agccaggatc 60

ctcccccaaa ccctggattt atgccacatc caacctggct tctggagtcc ctgctcgctt 120

cagtggcagt gggtctggga cctcttactc tctcacaatc agcagagtgg aggctgaaga 180

tgctgccact tatttctgcc atcagtggag tagtaacccg ctcacg 226

<210> 4226
<211> 95
<212> DNA
<213> Mus musculus

<400> 4226
ggcaatgtgg acatgattgg gtttcaggga ctcccagaat ctcctgagag tgagtggtgg 60

gttgctggaa tgttgtcttc acagtgatgg ttcat 95

<210> 4227

<211> 406
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<400> 4227
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gcagaacaca taatggtttc acccttttgc agtctggcgt tggagcaagg agaaaattgc 120

actaagcgct ccatgatctg cagagcatgt tgcttttgtt tttaaaaaag caagtaaaaa 180

atgcattcct gaacacagag caggggatcg tgtactgtag gaatccttct gtgtgtcagc 240

gggtgcatga ggggctattc tttaggcttc agtggntaat ctggtgccca tggatttctt 300

gactaccagg taaaccnaaa ctggaaaggc caagtactgt ntctgtagta cttattgagg 360

accccatgga gattttgaaa agtgttattt cttttgtcca caagca 406

<210> 4228
<211> 193
<212> DNA
<213> Mus musculus

<400> 4228
cacagtttcg tcaagatcaa ggtcaccaag gctgggaaaa aaaaggaagc atcaactgtc 60

ctgtcaagca caaaaaatga agaagaaaat aattacccaa aagatggaat taaggtagag 120

atgccagact atcacgtcta aatgacagct ttagtagtat atccaagcat ttaataacct 180

tcatacctga ttt 193

<210> 4229
<211> 461
<212> DNA
<213> Mus musculus

<400> 4229

aatgcaaatg ccagtcctaa gatctgtgat attcaaaagg gtacttctgg agcagtgttc 60

tatggagtgt ttacattaca caagaaaaaa gtgaaaacac agaacacaag ctatgaaata 120

aaagatggtt caggaagtat agaagtggag gggagtggac aatggcacaa catcaactgt 180

aaggaaggag ataagctcca cctcttctgc tttcacctga aaagagaaag aggacaacca 240

aagttagtgt gtggagacca cagtttcgtc aagatcaagg tcaccaaggc tgggaaaaaa 300

aaggaagcat caactgtcct gtcaagcaca aaaaatgaag aagaaaataa ttacccaaaa 360

gatggaatta aggtagagat gccagactat cacgtctaaa tgacagcttt agtagtatat 420

ccaagcattt aataaccttc atacctgatt tctgattttg t 461

<210> 4230
<211> 369
<212> DNA
<213> Mus musculus

<400> 4230
ggtgatgcca ctcggaacca aatgtgtaac aaagccgtac cttgccctgt aaacggggag 60

tgggaggcct ggggaaaatg gagtgactgc agccggctga gaatgtccat caactgtgaa 120

ggaacccag gccagcagtc acgttcaagg agctgtggcg gccgcaaatt taatgggaag 180

ccatgtgctg gaaaactcca ggatattcga cactgctata acatccataa ctgtatcatg 240

aaaggttcat ggtcacagtg gagtacctgg agtctgtgca caccaccatg tagtcccaac 300

gccacccgtg tccgccagcg cctctgcaca cctttgctcc ccaagtaccc gcctacagtt 360

tcaatggtt 369

<210> 4231
<211> 211
<212> DNA
<213> Mus musculus

<400> 4231
agtcctaaga tctgtgatat tcaaaagggt acttctggaa cagtgttcta tggagtgttt 60

acattacaca agaaaaaagt gaaaacacag aacacaagct atgaaataaa agatggttca 120

ggaagcatag aagttgtggg gagtggacaa tggcacaaca tcaactgtaa ggaaggagat 180

aagctccacc tcttctgctt tcacctgaaa a 211

<210> 4232
<211> 563
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<400> 4232
ggcaaattaa gtccctgcag gtgctttctt tggaggaaag cccgctttca tagtgatctg 60

tcaagctaga aagcactccc nccacccaga tatctaagtg tgaatctttg gacaactggt 120

gacttctggc cagcttttct ggggccggcc tctgtccagg tgtctgccca ggaccctgct 180

cagtgcctgt ctgtctcaca ccagtgactt cctcacaccc gcctgttcag gcccagtctt 240

ttccgttcaa gtgctacagg ccaagtaggc tcaaactgtg ggtttgtctt gggcatccac 300

agcagaatca gaacccagag ctttgaagcc tgagtgaggg gaggggggca ctcaggcttc 360

cgtctctctg agaaacagac gatgaagagg cccttaaaac tctttgcaac cccatgagcc 420

tccccaatga gcctgtgaca caccggaact cacctctgtg ggtggccggg agggggaaca 480

gggtcatgga agatccagat gtccatgtgg tcaaggctaa actgtactaa ataaaattat 540

ttctcatcac cactatacat gca 563

<210> 4233
<211> 116
<212> DNA
<213> Mus musculus

<400> 4233
tcagtgatgt caccaccttc caagaattac caggagctgc atacatcaca gatgcaactt 60

gagaataaaa tgcatgcaag gttttttgca tgagtctata tcacagtgct gggtgt 116

<210> 4234
<211> 208
<212> DNA
<213> Mus musculus

<400> 4234
aggctatcgt gtgaggtaaa ggaccagcat gttgactata cttggtatga gagctcggga 60

cctttcccca aaaagagtcc aggatatgtg ctcgatctca tcgtcacacc acagaacaag 120

tctacatttt acacctgcca agtcagcaat cctgtaagca gcaagaacga cacagtgtac 180

ttcactctac cttgtgatct agccagat 208

<210> 4235
<211> 345

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
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<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<400> 4235
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cnaacgggct gatgctgcac caactgtatc catcttccca ccatccagtg agcagttaac 120

atctggaggt gcctcagtcg tgtgcttctt gaacaacttc taccccaaag acatcaatgt 180

caagtggaag attgatggca gtgaacgaca aaatggcgtc ctgaacagtg gactgatcag 240

gacagcaaag acaggcaccc tacagacatg agcagcaccc tcacgtggaa ccaagggacg 300

agtatgaacg acataacagc tataccctgg gagggcactc accaa 345

<210> 4236
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (154)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

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agtggatcag ggacagattt cacactgaaa atcagcagag tggaggctga ggatttggga 120

gtttattatt gctggcaagg tacacatttt cctnngacgt tcggtggagg naccaagctg 180

nanatcnaac gggctgatgc tgcaccaact gtatccatct tcccaccatc cagtgagcag 240

ttaacatctg gaggtgcctc agtcgtgtgc ttcttgaaca acttctaccc caaagacatc 300

aatgtcaagt ggaagattga tggcagtgaa cgacaaaatg gcgtcctgaa cagtggactg 360

atcaggacag caaagacagg caccctacag acatgagcag cacctcacg tggaaccaag 420

ggacgagtat gaacgacata acagctatac cctgggaggg cactcaccaa 470

<210> 4237
<211> 454
<212> DNA
<213> Mus musculus

<400> 4237
gtctgcatcc cttggagaca caattaccat cacttgccat gccagtcaga acattaatgt 60

ttggttaagc tggtaccagc agaaaccagg aaaaattcct aaattattga tctataaggc 120

ttccaacttg cacacaggcg tcccatcaag gtttagtggc agtggatctg gaacaggttt 180

cacattaacc atcagcagcc tgcagcctga agacattgcc acttactact gtcaacaggg 240

tcaaagttat cctctcacgt tcggtgctgg gaccaagctg gagctgaaac gggctgatgc 300

tgcaccaact gtatccatct tcccaccatc cagtgagcag ttaacatctg gaggtgcctc 360

agtcgtgtgc ttcttgaaca acttctaccc caaagacatc aatgtcaagt ggaagattga 420

tggcagtgaa cgacaaatgg cgtctgaaca gttg 454

<210> 4238
<211> 225
<212> DNA
<213> Mus musculus

<400> 4238
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cttctcccaa actctggatt tataggacat ccaacctggc ttctggagtc cccgctcgct 120

tcagtggcag tgggtctggg acctcttact ctcttacaat cagcagcatg gaggccgaag 180

atgctgccac ttattactgc cagcagtggt gtggttaccc attca 225

<210> 4239
<211> 252
<212> DNA
<213> Mus musculus

<400> 4239
tcagtcttgg agatcaagcc tccatctctt gcagatctag tcagagcatt gtacatagta 60

atggaaacac ctatttagaa tggtacctgc agaaaccagg ccagtctcca aagctcctga 120

tctacaaagt ttccaaccga ttttctgggg tcccagacag gttcagtggc agtggatcag 180

ggacagattt cacactcaag atcagcagag tggaggctga ggatctggga gtttattact 240

gctttcaagg tt 252

<210> 4240
<211> 542
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
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<222> (366)..(366)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
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<222> (411)..(411)
<223> n is a, c, g, or t

<220>
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<222> (428)..(428)
<223> n is a, c, g, or t

<220>
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<222> (453)..(453)
<223> n is a, c, g, or t

<220>
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<222> (471)..(471)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (515)..(515)
<223> n is a, c, g, or t

<400> 4240
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gggaccgggc ccttctgctc acagatcggt atctgtacaa gctggagcct ggacgacagt 120

accgggtgat gcgggctgtg cntctggagg cggtgacagg gctgagtgtg accagtggaa 180

gagatcagct ggtggtgtta catgcccaag gctatgatga tcttgtagtg tgtctacacc 240

gttcccaacc accactggac aatcgaattg gggagctggt gggcatgctg gctgcacact 300

gccagggaga gggacgaact ctggaggtcc gtntctctga ctgcatccca ctganccagc 360

gtggtncccg gcncctcatt tnctgtggag cccaggccag agcancctga nccagatttc 420

caaagcancc gtagcacctt taccctcctc tgnccaagcc actgagcaag nccaaaccag 480

tttaacctgg tttccacgct gttctaaata cctgntcttg actgcactaa aggccaggac 540

tt 542

<210> 4241
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (497)..(497)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (506)..(506)
<223> n is a, c, g, or t

<400> 4241
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cgaggagcac gagagcctgg agcaggagaa ctctgtgctg cgcagggaga tttcgaagct 120

gaaggaggag ctgcgtcacc tgagcgaggt gctgaaggag cacgagaaga tgtgcccgct 180

gctgctgtgt cctatgaact ttgtgcagct tcggtcagac cccgtggcca gctgtctacc 240

acgatgacac cccagctcac tcctcctttg tccggctcgg aaccttggtt tgcacactca 300

ggagtttccc tacacacctg tgtccagggg tacatgtggc tntgcccttn ccagggagct 360

ctggggccag cctgggctca gcatcgtgct ctggggcatc tgacttccgg cccctncctt 420

ccggccccag gacagaggat ccagaggccc cagcaagaag ncccttttgan tcgttcctct 480

ctcactttgg cagctanccg gtgctntcct ttggcaggat cttttcgtct agaactt 537

<210> 4242
<211> 323
<212> DNA
<213> Mus musculus

<400> 4242
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tcactgttct tcacttccat aagagaggta cagcaaagaa cttctcctgg tattcctgct 120

ggtccttcct gctggcccta gctgaggcct ggctgtctct gctaggtcct atcacttctg 180

ttgctaacct gactctactg aactgaacaa ctgctatatc cctgaggtgt tttcaagtgg 240

atggagctgc cactgctgac ctgtgaattg aactgccaac gtccagacaa ctcacatgag 300

agttgctccc aagtgtagtc tcc 323

<210> 4243
<211> 543
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<220>
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<222> (507)..(507)
<223> n is a, c, g, or t

<400> 4243
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acaccgctgg tgtgggcctg attgtcagcc agaagacccc cagagcccag ccaggcgcaa 120

ccaccgtgca ggagcagctg aggcaactct ttgaacgaga ctggagttcc cactatgcta 180

tggacctaga cagacaagtc ccgagccagg actgtgtctg gtagggctga gggttgatcc 240

ctttgattct ggcctacagc tctagatgga cactgatgct ccccagactt ccatctgccc 300

aagctcagaa accaagcaag caaanggatc accactgagg ncccgagatt ntcatcagac 360

aaacagcttc cggcagagct ntnaacggct tttnaacgaa gaagaggcta aagcagaggg 420

aggcaccacg gtgacatggg aagacagcaa ctacatataa gtgaccccca gaaccctccc 480

tgntctacct atgatgagtt gctaggncca ttcccagatg taatgttggt gctgtccagc 540

cac 543

<210> 4244
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<400> 4244
cagtaccagg gtagagattc agtctcttac aacgtgtgca aggagtgggg natgccaaga 60

catcacaata atatgtgtgg gtgcaatgtg aactgtattc tggatgtgtt tgtataaaat 120

accaattaga tattagttcc aatatttaca tttcagcaag acttttaaaa gttcctttca 180

ttttaaagtg aaaattgttc gctgggcttc ttgcaacaca tcctttcaac tgtgaagtcc 240

cactgtacat atctgtattt ttgtaaatgt tatatatatg catatatccc tcattttaaa 300

agtatgttgt acagtnatag tatgtatagg ctacantctt tgttaaatgg ttgaaatgtc 360

tcttttgtag aaagtgaaat cacagctatt acagggcttt tgtttggttt atttgtggat 420

ttgaaacagt tttgaatatt gcatggataa ttaatttcac atcttttgta tccacctctg 480

tgtctggctt ttggttggga agtgcttt 508

<210> 4245
<211> 522
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (83)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<400> 4245
ccactttgca cagctttacc aggaattgag tccaattgga gccaacagtg gtcaacagaa 60

atgctagaga tgcaggcagt ggnnggacag aggcaggagc tggaggcgac atcttagtga 120

tgatgctctc ccgggcgagc agccttgtgc tgcctctctc ctccgggtag ccacgttctg 180

tcttgtccac tcatgggtga agagtatttg gtgtgtctgc cactatgggg tcataaatgc 240

acacgggagg tgctagctcc cccactagcc acggtgcctc tgtagatcca cgagacagct 300

agggntcccc ctccccttg tgtgcccaga ctcaaggtta agaagtggaa agttttctgc 360

gaatattttt gtatttttgc cagtctatat tttttaaatc attatggttt attgtggagt 420

tttgtagtcc taattttgta ccatggtatg tgggaaacaa atctgaccca ttttctgcct 480

ttgatgctgt tttccttgtg agtacctgtg tcgtttacga ga 522

<210> 4246
<211> 505
<212> DNA
<213> Mus musculus

<400> 4246
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aaccctctat gaacaatgta cctacaaacc aactgacaac ctagaacgct caagtgcatc 120

aggcttcagg tatatgtttc caacatggac gtagattatt cttttagcaa ttctttagtg 180

atatatatcc cagaacacac cttgatgcta caagagatag cctaatccag cctagacttg 240

tttgagtgca taaatgagac aaactgtctc ctatttgcca ttttatgcct atatattatt 300

gtatgtgcta ctgattaaca ttagatgacc tatgcaataa acaaaatcct atggtaccca 360

agttggtcag tcaacctcct acttctcttg aagtccataa tgtcaacacc acagtaattg 420

ctatgcttcc gtatcttcat ttatgtggcc tgttattctc cttgacttca tatttcttcc 480

taacctgcga tattccacgg cttta 505

<210> 4247
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

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<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(437)
<223> n is a, c, g, or t

<400> 4247
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ggaatcatca gttgcagctt gatccatttg caaacacttc acgaactatc aatcggtagt 120

gttgggatag caaacatgaa tcagcagtgg aatgacctag cagagacatc caggtcttag 180

atgaatcagc atgaatcagc aggaggaacc aggactacca gggacatcag nagaagttct 240

ttgccttgcc tctctcaaag aaacaatgat cactgaagac tggcgaccaa gaagccttct 300

ttgcagagct agctatgcaa gcaagcnccc ctcacantct gttgagtcct attnatactc 360

cctccaaaca tcncgtgtcn tccatggntc ttacctcacc acgtntcttg cctcagcacg 420

tgngtctgta tcaacnncca tcattctgcc aattggctcg agtctgcaga agtggcaaaa 480

agcatcaggc acaccacctt tgatgtgtct atctctatgg agtccctaca a 531

<210> 4248
<211> 348
<212> DNA
<213> Mus musculus

<400> 4248
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agcatataca catgcacatg tgcacatcac agtcacatgc atgataacac aggcagacgt 120

gcatgagtgc acatgcatac ctactcagat gcacataaat ttacagcaga gccttaggtg 180

acaggaatgg ggactgtggt catttgaata agaaccccat aggctcatat agttgaatgc 240

ttagtcacca gggagtggaa ctctttaaca ggatcagaaa gattcagagg caagtccttg 300

ttgtaggaag tgtgtgtcac tggagcacgg gtaggctttc aggtttca 348

<210> 4249
<211> 153
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<400> 4249
aagctatatg tgcatctgct aaaagcaaaa acccaccaaa agtcaccagc ccatttccng 60

ggcaccngtc catcccccag ggcactagcc caacccctgg ggcgtttagc ctatccctag 120

ggtgcatgag atttgtgggt gtagctacca gtc 153

<210> 4250
<211> 562
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
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<222> (359)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (501)..(501)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (503)..(503)
<223> n is a, c, g, or t

<400> 4250
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ccatggattc tgcgcttgag tnggctcaga cgggagctgc aggagatgcg ggctcaggac 120

cggcagctgg cagggcagct gctcaggctg cgggcccggc tgcacagact gaaagtggac 180

caagtctgtc acctgcacca ggagcttctg gatgaggctg agctggagat ggagttagag 240

tctgggactg gcttgcctct ggccccaccg ctgcggcatc tgggactcac gcgcatgaac 300

atcagtgcca gacgcttcac cctctgctga cagcagactt gggtgtntct tgcagtatnn 360

tggggagaaa gaaggaagga agagggaccc cggaggctct ggctacctgc tggggaaggt 420

gggcacactt aggtttccaa aagctgaatt tagagagcac aggatggagg ggaggaggag 480

aggaaactcg ggccccaaat ntnttaataa aaaatgcatt gaatcccatc aaggtttctg 540

tagactgtca cagagcctaa at 562

<210> 4251
<211> 167
<212> DNA
<213> Mus musculus

<400> 4251
gggtttcctg aaagtttaca ttgcagtagc attgtggggt gaggggggatg gctcccccag 60

gctctatccc cagccccacc cactcatgac tctaagtttg ttgtattaat atttatttat 120

ttggagatgt tatttattag atgatattta ttgcagaatt tctattc 167

<210> 4252
<211> 271
<212> DNA
<213> Mus musculus

<220>
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<222> (58)..(58)

<223> n is a, c, g, or t

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gggtttatgc tggaggtggc ctagacacca caagatgtaa ttctaaaaga gaagggcagg 120

gacagaccag acccagcagt caccaagaca gttggtggca cagggtggaa aacaaaagcc 180

atgttgagca ttagtacctt gctttgaatt ttcttgccag catcttggtg cctcctctct 240

gccccctttc ccagggtatc tgtggttgcc t 271

<210> 4253
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttttgtgtc tggtgccaga actggtttgg aagctgttaa catggctgtt ttgcttgctg 120

cacaattcgg tttccatctg tgcttattta cagacaaaat tcaatgttgg gagatgcttc 180

tcaaggttca atctcagacc ttttactttc gttggtttgg ttttggtgcc nccgaacggt 240

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tactgtacag ca 312

<210> 4254
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<212> DNA
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<223> n is a, c, g, or t

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ccctctctct gcctgatcgt cccagtcgtg taggagtttt cctggaccag gaagtttgca 120

ctctctcatt ttatgatgtt tctaactctg gagctctnca tctatagant tctatgaccc 180

ttccttccct gttgaagtct atccatattt taatcctatg gaatgttcag agccaatgac 240

agtatgcgga ccaccatcct naaccctcac ctatacctgt gcagtgcccc catgtntccg 300

ctgcatcatt ctnacttttt tntcttggnc cctnnattgt aatgaccttc acttctaatc 360

ccaaaccact gtggattcat ttccttnatc cagtagcttg tctgctcacn agatgattac 420

tgtcatttnt catttccaat atttcccccc ccccaaaaaa atagctgttc cctcactaag 480

tgaaatagag cccctgataa tnccatctct gtaggaacnc agtcaaaaga atgactcaca 540

gtgaacaatn tnttagttac ctgtgagaga ggccccag 578

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (217)..(217)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctggaaaagc ctgacagccc agtctggacc cgaagttatg ctgccttgga agtnccgcgg 120

ggagtcaggc ttcaagaana gaaaaacgaa agtgantctc agcacactga gcaggaagcc 180

agccagccat gccaattctg ccctccactc ctccacncnt gccttgtgcg gttccccagc 240

gtggttagca ttatgggttt caggggcact tgctgggaat ccagatctgc ctggagtgga 300

gtgagaggca gggagncaaa ggattaacac tggagaacat gggaagggtg tgtccactnt 360

ccccttcctn acctgaggat ctattccccc agtggtctca ttgtaacctt taggaagtgt 420

tctcaaactg cattggg 437

<210> 4256
<211> 301
<212> DNA
<213> Mus musculus

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aaaggctgtg ggtaagctga aggcttgcct ccctgacaga tgcttagact acaggcttct 120

tgggacaggt ggccccttcc taagctcaca ggagtggcca ccactcttga ccttcactct 180

gtctatagtc ccgcctcatc ctggatcttg tactgagcgg cagctaaaag tgttctaccc 240

agtgccctgt cactctagac tggaaggtat ggggcctgat gcaaggctga ccacaccaac 300

a 301

<210> 4257
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<212> DNA
<213> Mus musculus

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cagacatcct tctcaccctg tgtgaaaccc aactgtctag gagacactgc taaatgtttc 120

catgggaata tagagaagag aaattacccc cctccagttg aaattgcagt acaaaatcca 180

ctttttttgt ttttatttct ctttaaattc tgttctaggc aacagaaaga aattcctggt 240

ctagaatgca aaatgacttt gtcatggcta aagaaaacat agttataggg aaattctggg 300

tataaccctg tatgcattta tttacactcg aacagttcca ttagtttaac taagtatcaa 360

accagcttgc aaaactatgc ctgtatatgc atagtccaga aagagctgga attattgcgg 420

tggttgaata tagcgcaggt gaatagctca ctttcatttg tcagcaacct tcgtggtacc 480

aggctttagg tagacagaca agtccctcag cttcatgacc agatgaccga ggagagctct 540

tacat 545

<210> 4258
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (378)..(378)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cacttgcacc tcctctcctg cctaagcagc cccccaccan gggaaagttc ctcaacaaga 120

cagcaagaaa tggggctccc tatgccctgt gccagcccag gctccaagaa tgagcagcaa 180

gtggccaggc tgccctcttc ctctgtagga gctcgtgtat atgtaatcta cacagtggga 240

agagaagtgc atggcgggga gtgggggga gatgcctgtc tcgggaggga cacacacctg 300

ggagctgggg tatcangcaa ggcaaatgga gcccctgctg gaatttgaga actttctggt 360

gagctgancc cacaccanct ncccccattt gggggttaag ggaccctgaa ttcttcctct 420

ncctccnccn atgtgtgtgt gtgcacagag actgtctgac tttgntccct ttcccctctc 480

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acactcagga g 551

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttttcaaac agacatcacc acattcttat cagttacact ttgggggagc ttcctatcac 120

cccctgttgc cagggggtct ttcaagtttg agtcagtcca tccagagagg gacgagtaag 180

ttcaggcact gtggggcatt ggtgaggtca tatggagaac gaacacctat agaactgttg 240

aacaaccatg caagtcttcc ctgtccttgg ctatcactgg ctacctttt aagtgtatac 300

cagagccgta cactccaatg gttagtaagt cataacttct cttcagattt ttttcccaat 360

agtgtaacta ttgagggtca gggtcagntc ttctgatggt tacgaagcta nccttttcnat 420

cctggggagc ttgcaggaac tccgaggcta a 451

<210> 4260
<211> 44
<212> DNA
<213> Mus musculus

<400> 4260
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<210> 4261
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caagttcatg gccagcagct tcntacattt gacatcggac cagtggagat ctcacaacag 120

ttttacctgt caagttacac atgaagggga cactgtggag aagagtctgt ctcctgcaga 180

atgtct 186

<210> 4262
<211> 529
<212> DNA
<213> Mus musculus

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tgatttctgg gggtccctgg cccaataggc tctccaagac gtgtttccac tacctgggtg 120

agtttggaga ggaccagatc tatgaagcct accgccaagg ccaagcgaat ctggaggcgc 180

tgctctgtgg gggcacccat gggccctgct cacaggagat cctggcccag agagaagagc 240

tttagtccaa cctgctgcac ttctggatct tctctaattt tattattatt aatggctgat 300

tagaggcagg ctctcatcat gtaggccagg ctggccttaa acttgtcatc ctgctcagcc 360

tcgaaagtgc tgcatttaag tcctgagcct ttttgtgctt gaccctccta tataattttt 420

tcaactgtgg tggtggggag gggacaggga agcctgactc tagctgtcaa tcttctccct 480

ccacctctcg atggggtact gggactgagg ctgcctttct actttcaaa 529

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tgtgtatnga ggatgagcac tgtagcaccc catncctggt actnccttcc tgtgggttga 120

cttgctatct aantctccat tttntcctgt gtccaatagt agttgctncn aaacctacct 180

cccanctncc ttgtgtgtat gtaacaaatc atntcctncc ctgggancaa agtgctgtgc 240

actgcccaga gttaggagac gtggacagtt agacctttcc actttctctc atcactgagg 300

taata 305

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cccggcgcgc acggggacca gacagncttg ggtccagcgg aggctccgct cctcaacgcc 120

ccagcctcag cgtcccccgc ttctccgcag gtacttgaag ctccttggcc ccacacccca 180

tctctgaaga tgagctgtga atacgtgagc ttgggctacc agcctgctgt caacctggaa 240

gaccctgatt cagatgatta catcaatatt cctgacccat ntcatntccc tagctatgcc 300

ccagggccca gatnttcatg ccaatgagtt ctgcctgttt gctgatgtnt agcacgtttt 360

ccttatagga tccctgtcat ggcgtatgtc ctatacccta agtcgantct cacctgacta 420

tctgaatgcc ttgag 435

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caatgctcat aggcagaaaa aaatttcttt tttnaataga atgagtgtta tttttctggg 120

ttgtttgttt gttgtttttt gacagggtct gatttggtca gggtgggctc agcgtcgcta 180

tgtaaccaag agtggttatc aactcttatt aaatcctgtt atcatctctt anannnnnan 240

nnntgctcag tccctagctt ccctaccctc ctactgtgtg aggttcatgt tcccaaagca 300

ggaaaggggg agggtcactg ggggccagga ggctggagag attntgagga ctcacaatca 360

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tggctacaca caagccacgt ggagat 446

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<212> DNA
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gtgccattgg taaaatgctc aagactagaa agaaaggaca ctggtaatac tgcctgtcca 120

gtcgtcacaa gctcttctcc ctacatgcca ctgttgacgc taacagaagg agaggtgaca 180

ggatatgaat ggtgaaccct tctntctgct accagtntcc tgggaaaatc aaaagcttta 240

atgcctattg caagctaaaa tctgctgtaa ttggatgaga tctgccaaga tgaataggat 300

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<222> (451)..(451)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttaaacctga cagtatttcc ctcactcagc tcnnnaaaag taaaaatatt caatacattc 120

catggtgaga gataagatag gctgtcggtt caacagctga ctactgtgct ntnnnnnnna 180

ctcaaatcna ctgatatgaa tgataactgc aatgagctgg gtaaatactn ncacaannag 240

tagttagctg tncgaaanga aagantganc nnnnnntttn nnnnnnnnnn ttnttnttgt 300

tgttgtngtt gttgttgttg ttgttgttgt tnttancnnt cattatttat tatcctgaag 360

aggcagagat gnccctaaga accaaagcac ggncatcacg ttncacacat ctgggatcca 420

tatccatgaa ctttgtaata atcagtgttt nttnnttcgt gggtgataaa ggaaaaggaa 480

agacnaaatg atctttcaat gagaagagta tttgtagtga ctgacactgg gtccaaat 538

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<212> DNA
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<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<400> 4268
gttgttttgt ggctaggtga cttttcacac tgggcttgaa cactgtcagt gatggtgaaa 60

tccttgccac agctttggga gtctcttgca gtctcccagc agtagaggga gttagaaata 120

tccagagggg aaaaaaaant ctctcttttc agacagtatc tgctttattg gtggtagctg 180

aacttcattt atacagagct cctttaacct gtctgtcttc ttcttggtat ctaagctgcc 240

ttttgttttt gtttttgttt ttgtttttat gatattaact tcttttcaca ttcaagtttc 300

tttaaagttg acnatagtnc cttctgaact cttncagaga gtttggattt tggaagctgc 360

caggtaccca tcacagcagg ggtgccagtg acaaggatgg tgtacaaatg aaacactgaa 420

gcnatccaaa taaattcctc taagtgtaat tcattttact gcagcacagg aagaacaaat 480

ttntcttaca actttaataa ttagtaccat tatgaaccct aggaga 526

<210> 4269
<211> 461
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<400> 4269
aagtgggcca agaatcttgc cctgagncga gagctggatg tcagtgttgc tctgagtggc 60

aagcccagca aggcaagtcc tgctgtgaca gctctggcca tcactaggaa ccagagcaag 120

ctcttggttg gcgatgagaa ggggcgaatc ttctgctggt ctgctgatgg gtaggagaca 180

aggagctgga gggaccgacc tgaaagcctg gagccctggg gtcggcagca acaggctaca 240

ggcacaagat gatgtgtagc ctgggctgct taaccagagc aagttttggg ggggctccac 300

tccacacagt tctcaaggag tccctgatgg tttgcaccgt gtaccctaaa catgtctgta 360

gtctatggga cttctgtaag aaggatcttg gtagacactg atgctggaaa ctgacgctgc 420

atgggaaatt tctacgtggc tcacttcacc aaggcttatt g 461

<210> 4270
<211> 474
<212> DNA
<213> Mus musculus

<400> 4270
caggtccctg gctcggaatt ggaaagctga accagatgcc ccttctagga gctcacccct 60

ggacactcac ttccctaaac caaagaagaa gcaaaaggac ccacatttca cgtaccctgg 120

ttgcccagat cccacatcat cctctcaggt cccagtctct gagaataacc cggaagaact 180

ccactatgct gctctcaact tctcccgcct gagactgcag gagacccagg atccccaaga 240

cacctattct gattacacag aggtcagagt ccactgaggg tgtcctgggg cttaggactg 300

agacctaaat ggtaaagtag ttaagggagc ctccaaaaga aagcagatgc tctccttaaa 360

aataatcctg ggggtagggg gtgttaaata tgtgtgccac caagcttgat gaactcttag 420

attgatcccg aggacccgca tcgtggaagg gacctcccac aaactgacct ttga 474

<210> 4271
<211> 335
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (104)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<400> 4271
agtgatatat cctgtagctc caatacttgg aaggatgagg caggagggat gcttgaggga 60

gacctcagct agtcagtcac cagagaactt taaaacacta ttgnnnnnng nttaantaga 120

cccctacaaa acaggggaat ctttgctgtt gttttgacct taaattgaat attgacctgc 180

ctctcccttc tgagtactag gattgtaggc atatgtcacc acacctcacc taatgtaaaa 240

tatttagatt tcagagagga ggggagcatc atgctgggat tgaacccagg gtctcataca 300

agttatggtt ggtgttagct ctctaccact aagtt 335

<210> 4272
<211> 509
<212> DNA
<213> Mus musculus

<400> 4272
ctttcagaat tgtctccggc tttaaaagga aaatacttcg ctctactctg tttaaaacaa 60

tcttttaaaa acgttgtgtg tacatgtata tttgggtatg catgtatgtg tgtatatggt 120

gtatgtgcgt ggtgtacaca catgtgtatg caggagccag aagagaaagt caggcaccct 180

tttctattgc actccacttt attctgttaa gggaaggtct ctcattgaac ctggagctct 240

gctagcaagc agcaagccag cgatggatcc tcccatccct gacccccaca ttgctagact 300

atatttgctc atgcccagct ttttacaagg atgtggagaa ctgaaattca ggtcctcatg 360

attgcataac aagcactctc acttactaag catgttctaa tatgttttac aatgaaagac 420

gctgctcaag atttcacctc aatgaatgat caattctgtt tgtaccttgt ttgccaatca 480

catagcattt atgctcttat tcctactta 509

<210> 4273
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(60)
<223> n is a, c, g, or t

<400> 4273
acacctgtct ttgggtccct gtttgcaggg gtctttgctg taagtgcaca cgtgccttnn 60

tttatgttct ttctggttcc ttctgtgtct aaagccttga gtgagagact tggagttttc 120

tagaacacat gatctctcta cagagttcag tcttgatgtg ttctatggac ctggagtcaa 180

tggacattgt atcatttctt cacctatttg tgctctgtca ggcactccat gatccaccaa 240

gtcatgaact ggatctggtc tgtcctatcc cctggcctca ctcacatgat ggcagacata 300

gaatgtggca gatcaaatgt cccttggtct ctgttcattg cagcaaagaa aaccactaac 360

atcttgagtg tgttgcagtg gcaatgttca acatcagcct gtcaatactt tccaaagtga 420

ccactctaga gaaacaaaca ggagtggcct ccatgttaag atgtgaatgc caaagtgcct 480

tgc 483

<210> 4274
<211> 554
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (489)..(491)
<223> n is a, c, g, or t

<400> 4274
tgatgcaagt gcacctccaa tctatgcctt acgaactcca gaggccatat gcaaaacagg 60

gtcttctcag tgtatgcaag gggctgcggc ccctcctctc ctccccagct gaacaatacg 120

gacagttttc acacatatct acctgtataa ccctccgtac ctctcataac tggtcaacga 180

ctgtaacagg ttnacatcag gtgtttttct acatactttt tacacagatt ctatgcgatt 240

aantgtaact taattcagcg catcattgta caagttctta cgcttggcct tatttttttc 300

ctaagtgatt gtggtttttc ttgtggtttt ttcttgtggt ttttcttgta aagatattga 360

gatggctgtt gatgcttatt ctctgtaact aagaattttt acctttttgg gaaaaagcat 420

tgctatggat taatgaattg agacttcatt tactcgttgt aaatacacta ttgtgcaaaa 480

aaaaaaaann ngtttcattc aattgaattg ctagtgttta ctgaattttg tctagacgcc 540

atttctgttg atga 554

<210> 4275
<211> 452
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<400> 4275
gcaggagatc ctgagccagc tcaaggctca gtctcaggtg ttcggttgga ttctgatagc 60

tgccgttatt atcttacttc ttcttgttaa gtctgtgacc cgatgcttct ctccggttag 120

ttatctgcag ttaaaattct gggaaatcta ttgggaaaag gagaagcaga ttcttcaaaa 180

tcaagctgca gagaatgcga cacagttggc cgaagagaat gttagatgtt tctttgagtg 240

ctcgaagccg aaggaatgca acactccaag cagtaaagac tggcaggaaa tctcagcgtt 300

gtacacattc aatcccaaga accagttnta cagcatgctg cacaagtatg tnagcagaga 360

agaaatgagc ggcagtntcc nctctgtgga aggagatgca gtgatccctg cccttggctt 420

tgtagatgac atgtccatga ctaacactca cg 452

<210> 4276
<211> 524
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<400> 4276
atggccagag acagaattac ccttctgttt cttttacaca ccaaagtatc ctgattcccc 60

tgggagtaga gagaaagata tgaaccaata gggagagtca ggccattcta ctggtattca 120

tccaactgtc atttgaaggg aggaggcatg aattcagaga cctattctcc tatgatgatg 180

gtggctaaca cttctagttc cagtctgtaa gctgaaaaag aagaacacat ttatttactg 240

acagaaatga tctgctccag ccaaactttg aactgaattc taagaaangn tntacatgat 300

aatacatatc ctgcttagna tccatttntt ctttggctta aanacctata caaatagatn 360

ttatgtgcat agacaataac ttgttttttt ttttntnaat tgcagcattt tcatcaccac 420

tagtaccagc atcaccntct tcctaaaata taaattttag aaactgtaat ccccaaataa 480

ctgggttaag agtaaaatca catccgatat tttatgggca tcca 524

<210> 4277
<211> 431
<212> DNA
<213> Mus musculus

<400> 4277
atgcgctcat cttgttttga cttcatattg cattgcatag ttttagttct gatcacaaat 60

tttgctattg tatgaagatt ttgaagggac tagacgaagg gagagctcag attctcctta 120

tgttcctgct atgctcttgt tcgcttagca tccttagagc actcaaggct ggttctggta 180

aataaggcct tcctagatgt gcacatggta ccaggagaat tgttgccctg ggacaaaggt 240

ccagacagac cttcgtgttg caccctaggc attaggtcat tcattcaaca tacatttgtt 300

tggtataatt aatgagtcaa ttttaactat ttgtggcaaa gtttgatctc agttacaagg 360

actctgaaaa caccgtgttc taacaaaagt ggtaatgagt ctgtttgttg ctacaagaat 420

ccttctccag t 431

<210> 4278
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (273)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<400> 4278
agatctctct gcacttcacg gtgtgcctga tgaacttcaa ctgctgcatg gacccgttca 60

tatacttctt tgcatgcaaa gggtataaga gaaaggtcat gaagatgctc aaacgtcaag 120

tgagtgtgtc gatctccagc gcagtgaggt cagcccctga agagaattcg cgggaaatga 180

cagagtctca gatgatgatc cactccaagg cctccaatgg aaggtaaagg cacttgggac 240

ttcacagcac agcaagctgc gggatgggcc ccnncccacc gactggtcgg ctcccaacca 300

ggatnccttc cactnccncc ccaccggccn atgcactgag atccagacca gatcgaggag 360

acaaaaaagc aagttcaact tcataaatga aatataatgt atataaagga aggctctcat 420

aagtctcaat 430

<210> 4279
<211> 376
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

<400> 4279
gtgtggttca tgcattgtct ttgatatccn agncggagct cagcttanan ctttccaagc 60

gccagngcac agcgttntag ggaatggtgc tccttggctg ggtgagctgc caggcaagtt 120

taaatatgct gtgtgtgcca cattttaaa ttttgtcaag gtttacccac acacacacca 180

atcaaaacct tattggtctg gaagttggga ttccgttttt ggtagatcgt ggtagatctg 240

gtactcctaa ctccctggtc ctcaggcggc tcctctgtna aatgagaaaa tgtatatttt 300

tttacttcat gagatctttg ctggaaatta atgagaaggg tcagtgtttg tgacttatgg 360

gcttatttta cagaca 376

<210> 4280
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<400> 4280
aatgccccag tgtttacagt tagtaatctg gcatctcaca gtttgccaga taggagctna 60

gcaatctcag gactagttca aaatagtaaa cttagaatcc tcattacagt cacttatggc 120

agactacatt gcatttttga agaaagttga gttctattga ccaatggaga tttccctaca 180

gacacttaaa agagcagcct ggttactccc atatgcaaga atttacaatg gcctaggaag 240

aaggagggtt gtggtttaag gaggaactac agtattgcat tattcatgaa aaggtcagca 300

agagcagaan ccccctctggt gcaagctttc acaaggctca gangaaatag cataaattgt 360

gactagggtg tgaaatcctc acctggctcc tgtcaatagc tgcctttaga taggtctgat 420

cttatctcaa ttgt 434

<210> 4281
<211> 457
<212> DNA
<213> Mus musculus

<400> 4281
ttttaccaca acttttgcca ccagagcacc tcattctccc atcttgaaaa ttaaagaaaa 60

aaaatcagca aagttaaatg cagaatagca aaattaagga cccaaactat ataggttatt 120

cttcctattc ttcctccttc aactaagaac gttttgcata tttgctcttt aaatgaccat 180

cttctgtctg cctttctcac attcagagcc ataatgttct tgtgatgcca tgttttcaga 240

tagcttcttt tatttactgc ctatttgcat gtacctttga aatgtacttt tattcgcagt 300

tttcgttagt tgatggtgtt ttgtatttgg gtgataagca agcactctac cagtgcccaa 360

gtcttcagcc ctctacacgg attcctgaag tcatgttaat tctatcaatt aatgacgtgc 420

acagtaatat ttcagaacat ggatgcctcg cacattg 457

<210> 4282
<211> 307
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<400> 4282
acatctgtcc agagacttgg cagtggaggt agggtggggg tgggaatcaa gccatagctt 60

tcttagggaa gcactggcca aaggaagggg actcctagag ttgtaacctt cctcacagaa 120

gacaagaaaa tgagttgggg tatcagcctc aggctagaca gagagccaga acctcttcac 180

agattcccag atcaccggag aagtcactat tgaatccgga cacccantca ggcacaagag 240

gtctacattc tctaactcct ttccagtgct tccccaacgg tcacttactt ccagactgcg 300

tgtttta 307

<210> 4283
<211> 546
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (259)..(259)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (498)..(498)
<223> n is a, c, g, or t

<400> 4283
gcaagattgc tgttagctct caggccaact gaagaaagtt agcgacacta tgttatgggg 60

atgttgggga taaaanggca catagcactt agagtggaag catgacgtga tagaaagtaa 120

tcagggtcac aaactccagc tggctaccaa gcagctgtgg ccccgggcag gccaaaagga 180

ggatcaggct ggggtagtgg gagatttcca gcttgagaag agctggtgag ggtgtagaac 240

gacaggagcc ctnttgatnc tggtggatta cagatcagat acctnccnnt tgganccntc 300

catctcaccc ttaggatgtg aaactacttt caatgtgtac aaataagtta gtctattgta 360

gataaggagg ggcaggttcc ctttaagctg tttttacttt attaacctga gtgatatatg 420

gtcactttct tttttttaa acttttgatt ctctgtgaat ttcacatcat gtaccccaat 480

ctcattcatc tccccatncc tttctatctg ccctccaccc ttgcaatctc cctcagcaaa 540

agaaaa 546

<210> 4284
<211> 490
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<400> 4284
tctgtttccc aagtgagcta ctcacaaggc ccatgcctgt ccactctact cacgttcaca 60

agctcacctt cttggtttgc tctagatttc ctaaaatgag ggggaaacta acttaaaggc 120

taacacgggg agccaagaaa ggctgtgtgc tgcggaccac aaaccgagaa agtccagaag 180

ttaaaggggg gaaaaaagtg ttttaaacaa gaccaaaacc tccccaaact gacccttcat 240

gcacatcatg ctgacttcat gcacatcaga gctgaccacc aggggtcagt attgtgctgg 300

tttacccagt gatgcaattt catctgcaca aagtctgctt atacaaagag gnatggttgg 360

ctgatgggag ganccgggga gaatccctta gggaacaaaa agaatgtcac atctgtaaaa 420

caagaagagt ccagagtgac gttcaggaga gcctggatac tgncatacgc tactaacaac 480

atgctgaatg 490

<210> 4285
<211> 501
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<400> 4285
tgttcatcat gatcgggtgc tacgtggtca tcattcacag tctcctccga gggcagacgt 60

ctaagctgaa gcccaaggtc aaggagaagt ccatacggat catcatgacc ctcctgctgc 120

aggtgctcgt ntgcttcgtg cccttccaca tctgctttgc cgtcctgatg ctacaaggac 180

aggagaacag ctatagcccc tggggagcct tcaccacctt cctcatgaac ctcagcacct 240

gtctcgatgt agtcctctac tacatcgttt ccaaacagtt ccaggctcga gtcatcagcg 300

tcatgctgta ccgcaattac cttcgcagtg ttcgcagaaa aagtgtccga tcgggcagtt 360

tacggtcact tagcaacatg aacagtgaga tgctttgagt cagagcaagc tgccagtctt 420

cagtctcttt aaaattcttt tcctatctac tttcgggtga accagcattc tacactatcc 480

agtcccttct ctaacaaaga g 501

<210> 4286
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<400> 4286
tgctttcatg tctctatttc catccccaaa tgcaaagaaa ccgcgctggc tggtctacgt 60

caacttgacn acgagctggt gtcatctaag agagggaacc tcgattgagg aaacacctca 120

gtggttaaga gcaccagctg cttttctgag gactggtgtt cgatttccag catccacatt 180

tgcctgtaac tccggtttta gggcatctga caccctcaca caggcatata tgcagacaga 240

agatcaatgc acataaatta aaatacacac tgaaaaaaat ttaaaaagag aggatatgcc 300

tccataagat cttggtgatt aa 322

<210> 4287
<211> 551
<212> DNA
<213> Mus musculus

<400> 4287
gagatacctg ctggttaccc ataagttatt tttattattt ctgcatgctt aggatcatca 60

tgcaattctg gtaattgttg gagttcatag gcatcatatc tgtgtatggc tgttggttag 120

ctccctcctt tggattcata catggcacct aaattgatat aatttacttt caaaatgttc 180

tgaccataga tttcttgcat tcctttcttc cttgtttttg gttttgttca agaagaactg 240

gttaatatct cataagtggt ctatgtgaaa gcaaagctcc ttgctgttgt taccgattgg 300

cctctgagac tgaatcagat aaaaacaaag ctcaagaact ggtaggatgt tttgaagttt 360

ctgtttaacc agagccatct ccaaacttga tctcaatggt gctgcaattg cagattaaag 420

gaaagagaga tcaaactagg aacctacaag atagttcact agcctaagat ctttacttgg 480

agtaattaaa tattgtttgg ttctggctcc caccctggct tctgggatgt gccccagatc 540

actgtggttt a 551

<210> 4288
<211> 462
<212> DNA
<213> Mus musculus

<400> 4288
gaacagcgta tgtaccacac agtgattatt ctgatatatt ttgatgcttt aaaacccaca 60

ttttttcctc taaattatta cctgaaatta ctatttatga ttcaaaccat ctgccctaac 120

tattcatata tacaacagtg gtgttggagc cgggcatagt aggtacacac ctgtaatccc 180

aacactctgg aagcttagga cttcagggtt atcctctcct acatagtgaa tcccaactaa 240

aggctagcct aggctgcatg agagctttct tcaaaagtca aacaaacaaa caaggtttaa 300

aactcaatga ataaatccag taatgaaaat atcttttcac attgtgtggt aatggtgttt 360

tcccttaata acaatgaaag gtttggcttt gatggcctga cttactgctc aaggagaaaa 420

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acctttttatt gtttgagaat nttntacatg agtattatgt gttttgatca aatccacccc 120

cattcactcc cttctaattt ttcctttctc ctnatcacat ntacctccca acttcatatg 180

cgttttngct ttaattcact aagtcaatgt agttctgcta ggattacatg ggggcaggtc 240

catctgccct naggagcaca ttcttgaaga acatggantt tccctctgcc tcagccgtca 300

actcntcctc agctaaggtt gacacttcac aaatcccncc nacccatgct gggagtgtgg 360

aatgcttgat cttggacatt tagaagcgtt ctaactgact tttagcttgt tttgcaataa 420

attacagttt agttggtagt ggattttctg gtgtattttc attgtctgaa gggatactat 480

tttgtcttga atggtctcaa catttgttct aca 513

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tttcccattt catcnaaata cctattatat gctgatagtc acatgattaa catg 114

<210> 4291
<211> 493
<212> DNA
<213> Mus musculus

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ctcccattct gtgtattata tcccagacta acttacttaa ccttttgag taaaaataat 120

aagcatgcct cttggtgtca tataatttgc aaaatattca aaatgatttt ttaataacag 180

gttaatactt gcatgctcat aaactcatgg gtagaagctc acttttgtgt tatttctaga 240

agctcacttt tgtgttattt cttacagtat taaaagactg gaagaggaga aatatacttt 300

aattttgatt taagaccaga aattgtttaa gtttagagat tcattgcaat cctaaaacta 360

gaaatatgac ttaatgtctc aatgtccttg gggataagat attgtgtcaa gatgaaagaa 420

atgtgtgaca attcagaaat actttacaaa tgattacttg gtttgtttgt ttcatgggat 480

cacagcaaca tca 493

<210> 4292
<211> 296
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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gccnaatgcg gccactccat acaacatggc ttccaagaac agtcgagagc agagtcttga 120

cccacccaca cccatcctgg aggacagtgg ataaagacct ggagtggcct ccctgggcca 180

agggtatgaa cgcttctggc tttgtaactt atgtattcaa caaagcatca tagatggtgt 240

tcctgctaaa atttgtacac tcaggttctg agctagccta ccctaccata ataaga 296

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (152)..(152)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcactgtaga tgaagaagaa aaattgtcaa atgaaagaag gagagaaaga aagaaagaaa 120

nannnaaaga aagaagagaa aaagaaagga anacatatta tatatactat atacatatat 180

acnacnnata tatacatata taatagatgt atnacnnata tatatnacaa atatatacat 240

atataataga tatataaatg tgtcagtaca tacttgtctt attttacttc tattaatgtg 300

ataacacact gatgaaaaac ttacaatccc tatcatagcc catcatgaag ggacatcagg 360

caggaacaga agcagaggcc acactgctta ctgacctata ccttacggct tgctcaacca 420

gtgtttttat acaatccaag acttccagcc caggggtggc antgcccatg gcagactgga 480

cccgcacaca tcaaccatga gaatatgtct ccacagattg gcttttaggc aacctgatgg 540

agacatttcc tgaggtgagg tttc 564

<210> 4294
<211> 235
<212> DNA
<213> Mus musculus

<400> 4294
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tgaacgaggc tctccaggtc caaaaggggc cccgggtgct cctggaatcc ccgggctgcc 120

tgggccagct gctgagaagg gagaaaaggg ggctgcaggt cgtgatggaa catctggctg 180

gacaatgtga attgtcgggg cacagagaac agtttgtggg actgcagtaa gaact 235

<210> 4295
<211> 246
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (152)..(152)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (175)..(175)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 4295
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ttttttgttt ttttgagaca gggtttctct gtatagccct ggctgtcctg gaactcactt 120

tgtngaccag gctggcntca aactcagaaa tncacctgcc tntgcctcca gagtnctggg 180

attaaaggng tacgccacca tgcccggctt ccgatgtgta acagcttggg aggtattcat 240

aatgaa 246

<210> 4296
<211> 134
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (54)..(54)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 4296
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ccctgatttg aattttgttt tntgtcattt tccaagttac atttactgca gactttctca 120

gagaccctga tcca 134

<210> 4297
<211> 518
<212> DNA
<213> Mus musculus

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<222> (31)..(31)
<223> n is a, c, g, or t

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tcactgagaa gacactgggt agaacattgc ttttgggtgg ggaattccag gaaagaggag 120

attataactg aggttgctat agaatgtcaa ggacagatgg ggagaaggta tgaatcaata 180

tatgtcaact gcacagatgg tatagccaca cagtgtccac atcccagttt tctatcccct 240

gaatctgaaa ttaataatgc cttcattata ggcaggagct gccaagtagc tgagaggggc 300

ccagcaaagc tctgagagcc gcattggtgt tggaaacagg ctctcttcat cccaccctac 360

tccaccctat gctcgactct cacctcccag atttggaaca gtgagagaca gaaagggaga 420

aggaaccacc ttattaggat ggtgagttgt acagatgaaa gacaccccaa acagcttact 480

acctgtcttg ctatgtgatc tccgtaactc cagtaact 518

<210> 4298
<211> 130
<212> DNA
<213> Mus musculus

<400> 4298
cctgtgtgga tggtaccagc agacttccaa ccctccagct tttggtcacg tgtgttcaat 60

gggagcttaa gtagatggcg agagggagaa ggaacatttg ttttgttagc tgtatacaat 120

cacagtgggc 130

<210> 4299
<211> 70
<212> DNA
<213> Mus musculus

<400> 4299
ctttccctgg acttgcatcc agaagaccct tcatcaggac ccccaggctc cacctaacca 60

ctaccttata 70

<210> 4300
<211> 76
<212> DNA
<213> Mus musculus

<400> 4300
ttgggaaccc tgcagctttt agagacccag ggtggggttt ttttttata ttagctattt 60

taacccttct ttcctg 76

<210> 4301
<211> 352
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ntnncnnnnn nnnnnnnnnt nnnnnnnann gnattgtaga cacaggcacc tctctgctcg 120

tcatgcctgc ccagtacctg aatgaacttc tgcagaccat aggagcccag gaaggagagt 180

atggacagta ttttgtgagc tgcgacagcg tcagtagcct gcctaccctc acttttgtcc 240

tcaatggtgt ccagttcccc ctgtcaccct cttcctacat catccagnag gaaggctcct 300

gcatggtggg tctggagagc ctctccctga acgctgagag tggccagccc ct 352

<210> 4302
<211> 365
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 4302
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aaaatttcct ctgacttcta ctttgaacaa agcccttggc atatccactg aaggttgcac 120

agctcctgac gtgccttccg agccagtgac tactcctcca ggaagtgggn agtgggggnt 180

ggnaagntcc nggaggaagn tntggaggca gtggattnct gtgccgacaa agcagatggc 240

ntntaccctg tggcagatga cagaaatgct ttttggcagt gcatcaatgg aatcacatac 300

cagcagcatt gtcaagcagg gcttgttttt gataccagct gtaattgctg caactggcca 360

tgaac 365

<210> 4303
<211> 127
<212> DNA
<213> Mus musculus

<400> 4303
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cagggatgtc cctgaagatt aaaggcaaga tccacaatga tgtggaccgc ttcctcatta 120

acctggg 127

<210> 4304
<211> 203
<212> DNA
<213> Mus musculus

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<222> (154)..(154)
<223> n is a, c, g, or t

<220>
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<222> (165)..(165)
<223> n is a, c, g, or t

<400> 4304
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acaccagtga aggtggccgc tggggacaag agcaacgaga aaatcacatg tgcttcagtc 120

cagggtcaga ggtcaagatc accatcacct tccnaagata aaganttcaa ggtgacgttg 180

cctgacggac accagctgac ctt 203

<210> 4305
<211> 561
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (404)..(404)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (431)..(431)
<223> n is a, c, g, or t

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<222> (519)..(519)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tccccaagaa catgcaagtc agcatcgtgt gcaagatcct ggcagaccac gtgaccttca 120

acaaccccca tgacccctac gaagggaagg tggagtttaa acttacaata cagaagtaaa 180

acgtgggagt ggtgtccacc cctcagatgg gtggacacgg atggacactc ttcctgactg 240

cacagcctct gctggccagc atgcacggcc acttccatca tggcccagag ctgacaccag 300

gaagtgntcc agcccagcan tccccgagta tcaccaaccc tcangtgagc gcaatcctat 360

nggagntgtg gggttaacac ggggacccag agtccggctg ccantaagga aggcctatnt 420

gtccacattt ntgtcctgtg atcatttgcc cgtcctgcac ttcaatatga actatgggtc 480

cacatcaggg taacactggt caccctggca tgacacatnt ccagttngtg cttntgagac 540

cacagtccct atgccatcaa a 561

<210> 4306
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<212> DNA
<213> Mus musculus

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<222> (233)..(233)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (314)..(314)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gccatggcag gctccagctt cctgagccca gancaccaga aagcccanca nagaaaggaa 120

tccaagaagc caccagctaa actgcagcca cganctctgg aaggctggct ccacccagag 180

gacagaggac aagcagaaga nacagaggag gagctggana tcaggttcaa tgntcccttc 240

gatnttggca tcaagctngt caggagntca gtatcagcag catggccggg ccctggggaa 300

gtttnttcag gatntcntnt gggaagaggt caaagaggcg ccagctga 348

<210> 4307
<211> 567
<212> DNA
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<222> (417)..(417)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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accccggtcc ccacttcagt atctaacatt accgtcatat ataccataaa caaccagctg 120

agaggggttg atcngctttt caatgtgacc atcgaggtta gtgtgaaaag tggatctgtg 180

ctacttgctg tcctngaaga agcacagcgc aaaaactcca tgttcaaatt tgaaaccacc 240

atgacatcct ggggccttat tgtctcttct atcaanaata tcgctgagaa tgttaatcac 300

aagacatact gggagtttct tagtggcaaa acgcctttgg atgaaggggt tgcttactat 360

atccccttca atnatgagca catcacagcc aanttcaccc aatactgaga cggagtntnt 420

tntntcccat gtgacaaaag gatggtttgg gttgttttgt tttgtttttc atntcatttc 480

aaatntgtgc caagaaaagc agatattaac aatgctactn tnttcctgag ccactgtgtg 540

gaataaatga tgcaggtgct caccatt 567

<210> 4308

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<212> DNA
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<222> (340)..(340)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (410)..(410)
<223> n is a, c, g, or t

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<222> (412)..(412)
<223> n is a, c, g, or t

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<222> (532)..(532)
<223> n is a, c, g, or t

<400> 4308
caggcacctg ggatgagtat tttgaaacct tcatcaatgg aaaagtaagt tggggatcct 60

ggtttgacca tgtgaaagga tggtgggaaa ttcgagacaa atatcagatt ctcttcctct 120

tctatgaaga tatgaagagg aacccnnagc atgaaatcca gaaggtgatg cagtttatgg 180

gcaagaattt ggatgaagat gtggtggata aaatagtcct ggagacatca tttgagaaaa 240

tgaaagagaa tcctatgaca aatcgttcta cggcccccaa atctatcctg gaccagtcca 300

tttccccttt catgagaaaa ggaactgtgg gtgattggan aaaaccactt tactgtggct 360

cnaaatgaga ggtttgatga aatctataag caaaagatgg gcagaacctn tntgaacttc 420

tccatggaac tctgatcaag atgttgatca ccaagaacag gagtctgtct gcaagcctca 480

atccagccaa aggaagccct gaaagcaaac tgtaaaggcc aaagattgtg tntctgactc 540

tgtgattact aacatca 557

<210> 4309
<211> 361
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<400> 4309
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ctattttgct tataaattat acagggcaat ccatgatttt ggcttccata acaaaactgt 120

catcaggatt ctcatcgcca gaagtgaaat agacctaatg accataagga aacgttacaa 180

agagagattt ggaaaatccc tctttcatga tatcaaaaat tttgcttcag ggcactatga 240

gaaagcacta cttgccatct gtgctggtga tgtggaagan tantgaaaag agggagagtt 300

tgaaggtgat gcgatnttct ttataggcac ccgacataga ctgctgaacg cgtgctgtat 360

t 361

<210> 4310
<211> 383
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<400> 4310
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gacaaccagc agaacacggc caccatcaac atccactcag gctcgtgctc ctccaccacg 120

atttttgact ataagcatgg ttacatcgca tcccgggtgc tctcccggag agcctgttac 180

gtcatcaaga tggaccacaa agccatccct gctctggaca aactccaacg gttcctctac 240

gagaagcaga caatgaatgc tatcgactcc ccagagtata cntgggtcag gtacaaccnt 300

ntgaagtntc tgatcacgaa ggtggactgg ttcctgtttg ggtngcctat tngacagcta 360

tgcaagcaca tgcccctgta tga 383

<210> 4311
<211> 300
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<400> 4311
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caactacatc gccaccaaat atgacctcta tgggaaggac atgaaggaga gagccctgat 120

tgacatgtat acagaaggta ttttagatct gactgaaatg attgggcaat tggtattatg 180

tcccccagac caaagagaag ccaagactgc cttggcaaaa gacaggacca aaaaccgtta 240

cttgcctgcc tttgaaaagg tgttgaagag ccatggacaa gactaccttg tgggcaacag 300

<210> 4312
<211> 500

<212> DNA
<213> Mus musculus

<400> 4312
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ggagtggatc cctcctacta ccatggagag cttcactggg taccagtgtc caagcccagc 120

tactggcaat tagctgtgga tagcatctcc atgaatgggg aggtcattgc ctgtgatggt 180

ggctgccaag gtattatgga cacagggacc tccttgctga ccggcccccg aagctccatc 240

gttaacatcc agaatctaat tggtgccaag gcttctggtg acggcgagta cttcctcaag 300

tgtgacacca tcaacaccct gcctgatatt gtcttcacca tcggcagtgt tacctaccca 360

gtgccagcca gtgcctacat ccgaaaggat cggtcacaca attgcaggag caactttgag 420

gagggcatgg atgacccatc agaccctgag atgtgggtgc tgggggatgt cttcctgagg 480

ctgtatttca ccgtgtttga 500

<210> 4313
<211> 496
<212> DNA
<213> Mus musculus

<400> 4313
ggctgcttat tcctatttcc agattggtgc cattcagtca tttgccggct ttgctgacta 60

cttcacggcc atggcgcagg agggctggtt ccctctgttg tgtgtaggac tgcggccaca 120

atgggaggac caccatctac aagatcttca agacagctac ggccaggaat ggacatttgg 180

tcagcgcctg taccagcagt acacctgtta caccgtgttc ttcatcagca tcgagatgtg 240

ccagatcgca gatgtcctca tccgcaagac acggcgcctc tctgttttcc agcagggatt 300

cttcaggaac aagatcctgg tgatcgccat cgtgttccag gtctgcattg gctgcttcct 360

gtgctactgc ccagggatgc ctaacatctt caacttcatg cccatccggt tccagtggtg 420

gctggtcccc atgcccttcg gccttctcat ctttgtctat gatgagatcc ggaaacttgg 480

agttcgctgt tgccca 496

<210> 4314
<211> 314
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(45)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<400> 4314
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gggantcctg gaatagcctc tgggactatg aaaacagttt cgctgccacg agactcttct 120

ccaagaagtc atgcattgtg cacagaatga acaaggatgc catgccctcc cttcaggacc 180

tcgatacaat ggtcaaggaa cagaagggta aagggcctgg aggagntcct cccaaggact 240

tgatgtantc cgtcaaccnt accagagtgg aggacctgaa tacattngga ccaaagattg 300

ctggcatgtg cagg 314

<210> 4315
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<400> 4315
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acccagtgct gcacnggtga gcagtgcaac aaagaaaatc tcactctgcc tccattatct 120

tcagaagtca atggtgttga atgtcctgcc tgctacaata ataaaaccaa tacgtgctcc 180

acgacaactc ccctaaagtg cacaggggca gagaaaaggt gtattgaggt taccagcaga 240

gacctatctt ctaatatagt aatgtatgga aaaggctgtg caacagaaaa tgcctngtgc 300

actgtatatg actgtcttnc aataacatac aaattaaaac ctcgtgcatt tcgaccaatg 360

gaagccctgc cctcaaatcc gctgnatcac tcccagttat tntgcttntc cagaaaatct 420

tgctttgatc acccaggcac cggcaatccc acaatcctgt gtacata 467

<210> 4316
<211> 542
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(437)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (477)..(477)
<223> n is a, c, g, or t

<400> 4316
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aggctcatga gtggctctat caacggccac cagccagtaa tccacacagc caaaccgtat 120

gtgacaagat cttggccctt ccaaacttct tcccactgag gcacaccgtg acgacatact 180

attccccagt cacgtccaca cccatgcccc tccagcacgc tccttccaac aaatgttccc 240

aaatataaag gtttcctggt ctgtgattgt gcacacagac cttctacaaa tgaggaccag 300

cgacccaaag aaaaagggtt tcccangtca tgttatcagg ggcctgctct caaacgcatt 360

ctgatctctg agctgcctgc aagtcctcat gagagtgctg gaaatgtatc ctcctcctgg 420

aaggactaac tngccnncac agggatgatg caggggagtg ctgttagctg tttccanccc 480

tccttatcag gacagaagcc atagctgacc tctttgtgac ttgaaggttc ccgttttgca 540

at 542

<210> 4317
<211> 375
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(337)
<223> n is a, c, g, or t

<400> 4317
gaactctttc ttagcaggca cattatattg tatctgaaca gtctctagag agcttactgt 60

ggccagacta tgagtcaagg tctttgttac agacaaatgt gatttatgag ctatcagtag 120

cacctattgg tcttcaagat gtgctcacat taacctacac ttgactttct tcagattctg 180

caaccattct tttcccttat tagaaaaaca aattaaatac aattaaatgn aacataaagt 240

catcaatttt ttttagcaac agcctactct aactcaatta gtcctctttt acttnntntc 300

aattaaagat taatactaat gatancanca cttcanntct gagttgaaac agctgagaac 360

taaaccattg ccaag 375

<210> 4318
<211> 363
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<400> 4318
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gaagtgtggc tgcctgggcc agcagtgcca tgctttaggg gacacaagcc atgcagagtc 120

ctcagaacaa gagttcaagt ccaaggaaag tgaggaacat ggccagcagt tggcatncag 180

ggtcagcgag gacatgcttg ggcctttcca gtaaactgaa tactgctgct gtcccaacca 240

aaaggtcctc ccgaggccag aaagtggctt gaattctacc tacctgccgc ttcctcttca 300

agagggacat cgaccccaga tggtcttgga ggtaggagag gcccctctcc actgattagg 360

tgg 363

<210> 4319
<211> 190
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<400> 4319
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agtgctacac agctgacata ntntggattt tgcggatntc cttntgtgga acatcagtgg 120

agacatanta gaagtcacag gaaaacaacc cgtgggntnt gaccntcgca atgcttgatt 180

atgagagtgt 190

<210> 4320
<211> 88
<212> DNA
<213> Mus musculus

<400> 4320
gagatgtgga ggtgccaaca atgatgaagg taaaggggac tgtgggcctg tcacaaagca 60

gcacgctgga ggtacagatg ctcagtgt 88

<210> 4321
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
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<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
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<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
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<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(334)
<223> n is a, c, g, or t

<220>
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<222> (336)..(336)
<223> n is a, c, g, or t

<220>
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<222> (341)..(341)
<223> n is a, c, g, or t

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<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
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<222> (383)..(383)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
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<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (480)..(480)
<223> n is a, c, g, or t

<400> 4321
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gaggtacaga tgctcagtgt ggctcccacg gctctggaga acttgcacat ggagaggtga 120

gagaggacag ggctgagggg ctgcnagnat caatatttga taaatggaac ttcatgaaag 180

taaaagtttc tataaggnaa anaatgctgt caataggaca aaaangnagt gtacagattg 240

naaagtatct tcaccaaccc tacatcttac anagggctaa tgcacanant ttaagaanaa 300

accaagaagt taggtgttaa tacncnnaac aanntnatct naaaatgggg ttgagagctn 360

aacggagaan tctcagcaag ggnatntaga agagcagaga agcacttaag gaaatatttg 420

antntttant catcagtgaa aagtcantcn aaacctntct gtagttccat cctgtacctn 480

tcaggatggc taagaccaaa cctcaaggga tagcacatgc tcacaaggat ttagagc 537

<210> 4322
<211> 198
<212> DNA
<213> Mus musculus

<400> 4322

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gtcctaccgg tgcaactgaa gctggttgag agcatcttgg aacagaactt cctgcaagat 120

aaagaggatg ttttcccccc gcgacctgat ctgctctcct ccctcgggga ggaggaccag 180

attctaacag aagcactg 198

<210> 4323
<211> 236
<212> DNA
<213> Mus musculus

<400> 4323
atccagacac ttgtcacaac ctctgtgccc tctatgctgg cctctccctc cttcacctgc 60

taagcaggga ttcctaatgc aacttctctg cctgctgccc taaagccttc ccggccttac 120

tgtgctctgt ctgaaacact ccaagatggt ggcattcacc tttaatccca gcagtcagga 180

ggcagaggca gtgagttcaa gaccagcctt gtctacaggc tgctcccagg ataaca 236

<210> 4324
<211> 406
<212> DNA
<213> Mus musculus

<400> 4324
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ctgcgacctg atctgctctc ctccctcggg gaggaggacc agattctaac agaagcactg 120

gtgggactaa gcggcctgga agtccagaga tcagggcccc agtacacgtg gaatccagac 180

acttgtcaca acctctgtgc cctctatgct ggcctctccc tccttcacct gctaagcagg 240

gattcctaat gcaacttctc tgcctgctgc cctaaagcct tcccggcctt actgtgctct 300

gtctgaaaca ctccaagatg gtggcattca cctttaatcc cagcagtcag gaggcagagg 360

cagtgagttc aagaccagcc ttgtctacag gctgctccca ggataa 406

<210> 4325
<211> 308
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
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<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<400> 4325
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tgggtgaggg taccagtaag accccgagat taggtgaaaa aatatctcga aaggaaacaa 120

agtccaatat ggtggccact acattttctt gtttcttggn aagctgtggc ttcagtccna 180

atagtctatt tctttgtcac tcaaagaagg ttttcaggnt cgtgtctanc ctgtcccacc 240

ctgctccaca tcactctgca cctctgtagg agtcaccttg ttaagctctt gtgacattca 300

aacttggt 308

<210> 4326
<211> 495
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)

<223> n is a, c, g, or t

<400> 4326
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tngtttctta aggatggtga caagtagttt ctgttttntg aaggacggcg atgtagattg 120

cacgtctcat tttaatcagg ctttcttccc tgccgggctg gaagacccag agctcaccca 180

ctgaccgnga ctgcacatgg aaaacggaaa ggaggaagcc acaacttaca tggacttcag 240

ttgtgatgtg acgagatgtt tagctataaa tgtgcacttt ttagataact ccaacaggaa 300

actgtaactt ctatgtctaa tagggatgca gaaaagaaaa atgattgttc tttatttggg 360

agctacttaa acagattaag tgggaaataa atctatctat aaatttgtnt ctttatctca 420

gtacattgat gaaaagtatt ntcttgacta ttttatagtt ttatagggaa gatgtgcatc 480

tatttttctt gactt 495

<210> 4327
<211> 60
<212> DNA
<213> Mus musculus

<400> 4327
tggtacgctt catactgtgg tcctgtttgg ggacctatat ggactatagg ctggcccggc 60

<210> 4328
<211> 95
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<400> 4328
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ntnatnctgg caaacccaag gaagagtaag ccaag 95

<210> 4329
<211> 185
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (78)..(85)
<223> n is a, c, g, or t

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<222> (101)..(101)
<223> n is a, c, g, or t

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<222> (103)..(103)
<223> n is a, c, g, or t

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<222> (111)..(111)
<223> n is a, c, g, or t

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<222> (114)..(114)
<223> n is a, c, g, or t

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<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<400> 4329
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gacagacntn atttagcnnn nnnnngcctg tgagaagtgt ntncattgca ntcntntgtg 120

ntccacatgt tggcttccca tggaaccttg tgatttgggg ggaataagtg cattttacc 180

ttgta 185

<210> 4330
<211> 429
<212> DNA
<213> Mus musculus

<220>
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<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(272)
<223> n is a, c, g, or t

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<222> (278)..(279)
<223> n is a, c, g, or t

<220>
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<222> (281)..(282)
<223> n is a, c, g, or t

<220>
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<222> (286)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<400> 4330
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accacacttt gctgacacct ccccaggtgc agatcactgc cacccatgct cccggatgct 120

ccaggacaca catacaccca gcagggctgc cgactgcatt ctctccttgt gcccacaggc 180

actggcctgg gactttcatg gaggtcctag cctttcctcc cacactctag cctttctcag 240

gctgcaccaa agattccacc ttcagggncc nnacaganng nngggnngnn cnnncccnac 300

caggangccc aanccctccc ttggatcaga gagagaancc ctctcntgaa ctgcccnngg 360

ttggtattga atcccantcc actgaaagtn ccattgacca ccnctgcatc cgggctgtac 420

aagacgaca 429

<210> 4331
<211> 278
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<400> 4331
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taccgtcaga atctgactgt acctccgggc tactgcacag actttctact ctgtgtgagt 120

agttctggtg ctgtgctgcc tatgaggaca caagacccct tcctgcccta cccaccacgg 180

tcctgccaac aggaccaggc aaactttaac tccacaaccc aagaccctgc ccaaagggtg 240

gtgctgatgc tgagagaacg ctggcatttc tgccgaga 278

<210> 4332
<211> 242
<212> DNA
<213> Mus musculus

<400> 4332
atctgccaca actggaaatg ctcaagaacc agctggacca ggaagtggag tttttgtcca 60

cgtccattgc tcagctcaag gtggtccaga ccaagtacgt ggaagccaag gactgtctga 120

acgtgctgaa caagagcaac gagggaaaag aattactggt cccactgacg agttctatgt 180

acgtccccgg gaagctacac gatgtggagc atgtgcttat tgatgtggga accggctact 240

ac 242

<210> 4333
<211> 370
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<400> 4333
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gaattactgg tcccactgac gagttctatg tacgtccccg ggaagctaca cgatgtggag 120

catgtgctta ttgatgtggg aaccggctac tacgtggaga agacagctga ggacgccaag 180

gacttcttca aaaggaagat agacttcctc accaaacaga tggagaaaat ccagccagcg 240

ctgcaggaga agcatgccat gaagcaggct gtcatggaaa tgatgagcca gaagattcag 300

cagctcacag cccntggggg cagcgcaggc cacggtncaa agcctgagag tgcactgcag 360

aaatgaagca 370

<210> 4334
<211> 285
<212> DNA
<213> Mus musculus

<400> 4334
gctgaatacc ggaacttcca ggcttgtctg cacaactcat ggattgagca ggcggcagca 60

gccctagaga ttgagctaga agaagagatg tacaaaggag gaaaagctga ccagcaagaa 120

gaacgtcggc gacagaagca gatgaagatg ctgaagcagg agctacgcca tctgctctcc 180

cagccactct tccaggagaa cctgaagacc agatacccca cacagtctgg caggccgcct 240

cagcctgtgc tggcctccag gaatatcgag tctgcgctga gctgc 285

<210> 4335
<211> 447
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 4335
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gcggggccga ctgactctca tctgctccct ttcctaagta tccattcctt tgaatgtaaa 120

gaatgaaact ctttgatact aactttgagc cacttgggga ttaactccat gtcagtattt 180

gagtctttac ccattttctc ctactgtact caagctgaag tgaaacaaac cagaacgatc 240

ttttctatag tgtacaaatt gcaggagtta ccaattttga aaggtggcat tctccttttg 300

tcttggtaac cctcctggac ttctcccgga acccctgcgc ccgcccaccc tttgntcagg 360

catccccgtt tgcacgaatg cgtgtcaaga atggctgtgc actgagacag ccccaactgg 420

aagcatgctt tccctgttgc tgttaga 447

<210> 4336
<211> 367
<212> DNA
<213> Mus musculus

<400> 4336
gctgtttgtc atggcccgag aacatgctcc atccatcatc ttcatggacg agattgactc 60

tattggctcc tcacggctgg agggggggctc tggaggcgac agtgaggtac agcgcacgat 120

gctggaactg ctcaatcagc tggatggctt tgaggccacc aagaatatca aggttatcat 180

ggctactaat aggattgata tcctggactc tgccctgctt cgtcctggga ggattgacag 240

aaaaattgaa ttcccacccc ccaacgagga ggcccggctg gacattttga aaatccactc 300

tcggaaaatg aacttgacca gggggatcaa cctgaggaaa attgctgagt tgatgccggg 360

agcttca 367

<210> 4337
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<400> 4337
cagctcttag ctttcttttg ggattcctag agtccccaga ccctagagga accaagcttt 60

caatagatgt tggtttcttc tccggggcag gaccaggctc tgcatggtgc acttctctca 120

cagctacact gcgcaggctc agggtagatc ccaggttacc cctctcctgc cctgagaact 180

ccatccaggg ctattgattg aactgatggt atgtttgagt tgtntcnttg tctgagattt 240

tgttgtctgt ctgagatttg ggaaaggnag gnccacactc tggggctgca ggtggtggct 300

ggcagcttaa gcatggtcta ac 322

<210> 4338
<211> 376
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<400> 4338
gaatcgacgg tctgttgcgg ttcctcccac ttttccataa gcagaacaag aaccaaatca 60

aaacgtctta acgcgtgtag cgagatcacg tcccgagagc agacacaaaa tggtggcagg 120

cttggcgaac aggaactaga ccacccgaag ggcagcccac caccgtaaat cagacctcac 180

ttccgaatgt aaaaggttca catnccttg gcttcctgtt gacttcctcc cgacccagaa 240

agcatgggaa atgtgaaggg tatgcaaaaa tggttgttgg ttactgttgc tccccgtgcc 300

cttgacccat cccatgntcn cctntcgctc cancaaaccc caaggactag ctgaccacag 360

actccacaga cgggat 376

<210> 4339
<211> 537
<212> DNA
<213> Mus musculus

<400> 4339
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gcgacgccct cgttctagcc aaaatgaaag ggttcgacgt attcaatgca ctggatctca 120

tggagaacaa gacattcctg gagaagctca agttcggcat aggggacggc aacctgcagt 180

attacctgta caattggaag tgcccgagca tgggggccga gaaggttggg ttggtgttac 240

agtaaccagt tgccagtgag attctggata aagccactga gaattcaaac caggaaacgg 300

aacccttcca cttgttggtc caactttcac agatgtgaga tctctggcaa acaaaacaga 360

actgaaccgg ctttaccaaa ccgccagcga acttgacaat tatattgcga tggcgtaggc 420

tgcgtgatgt cacctttagc catgtttctg gtctccctat tttcaatgaa ttaacatgct 480

catgcagccg tgatcaaggg aatgtaactg ctgaaaccta gctcgtgatt ggcatat 537

<210> 4340
<211> 454
<212> DNA
<213> Mus musculus

<400> 4340
gttagagctg gagcgcatag gccctcagca ccaggcagga tctgactcac tgcttacagg 60

aatggccttt ttcaaaatga gagaaatgtt ctttgaagat cacattgatg atgccaaata 120

ctgtggtcac ttatatggcc ttggttctgg ctcatcctat gtacagaacg gcacagggaa 180

tgcatatgaa gaggaagcca gcaagcagtc atgacaggaa atagtcttct tatttttatt 240

ttatacgagt tacacaactg cttgtatata ggttttatca tcccttaaat aataggcaat 300

acccccccccc ttttgtagac cttctctgct ttcagtaata agtatggcct ttcttagcta 360

tgatcttaat aaattaaagt acattcacct taaatctggc cttaatttaa tacacttctt 420

atcaagcttg tgtgacaaag ctacattact gaat 454

<210> 4341

<211> 304
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (200)..(201)
<223> n is a, c, g, or t

<400> 4341
tcaccacagt tcctctcaga aggtaataac ctttccagga tcatcttaca ctctataatg 60

tttaggttaa ctcctattaa caagtttcgc aactgttgcc ttcattgcta cccaaggaga 120

gcatgccaga tagcgaggat ccaaggtcaa ggcagagcct tgacagctaa gagtcctaag 180

cttttgcgat ttttttttn ngtttagact acatatttta agggctagag ggatggctca 240

atggttaaga acactggtga ttcttccaga tggcgtccag tgcttagcgc ccacatggtg 300

actc 304

<210> 4342
<211> 383
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<400> 4342
tcacagggtg gctacagtcg gaacacagag cacagcatga actaccagta cagataaagg 60

cccaggctgc ctgcccctct caaccttctg cacctctgcc tccaacttgt ctcgggagat 120

tgagtctgca catcaccagt tgccatgttc actgggccag tgcccacccg tccacgttgc 180

tgacattgcc acgctttgag gtgtggtggt cgctgggacc cgtgccgtga cccctattta 240

gctgtgtttt ggactccgtg tcttcagtgg tttgttagtt accattacgt aaaccttgtc 300

tgagtagtgt tccgaggtct tnccgttccg gatccctctg tctgtttatg cctggtgtga 360

gttccatcgg gtgtctttaa ata 383

<210> 4343
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<400> 4343
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ggttagaact gtataatccc cagttgacat ctagaacttc cagtgtagct tttcttcatt 120

atggccgttg tgtttgaggt tgtaccccga ttagatggtg agaacagtta atgcaatttt 180

gcacaaatat ttttacattc tgatcattca cttctgtcat tgtgatcttt gctgttagaa 240

aaangaaatg atggaaagat aagggttctg tcaancattt gtaaagctaa gaattctgnt 300

ttaaattgtg aactgctttt ttttttcctn tgctgaaacc attgcaaaat tgagctttgg 360

tagggtaggg ggagtatgtt catgagactt ttaatttgta taaaacacag aacttagttc 420

tntctgcaat ttatttaata cantcaacat taaattgagt gttcaaaaag aagagatgtt 480

tccctacaat aacaacctt 499

<210> 4344
<211> 481
<212> DNA
<213> Mus musculus

<400> 4344
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agctgtgctc cgcaaccaga tccatgtcaa gtctcctcct agagaaggga gccaagggga 120

gctgactcca gccaacagcc agtcacgcat gagtaccaac atgtgaaagg cattcctgtg 180

accgtcagac catagtctgc acacctactc tgcctgtgga agcagcacct gggcctcctg 240

cctgctttcc tcaagacgag agagacccca gactgtgtgt ggttcattag agcagtctgg 300

ccactggggt gccagttcgt tggccttcca cgctgaggta ccctctgcag tggtaggcag 360

cctgcccata tggccacttg ggcctgactc taagtttctg ccccagtgaa acagaccatg 420

tgcaattccc aggtaagggt acctcagacc cttcctgtcc atgtagttcc gactgcagca 480

g 481

<210> 4345
<211> 394
<212> DNA
<213> Mus musculus

<400> 4345
agaggcctcg agtggctact gcactgcgct cagccatggt catctgcacc attttctaca 60

ccagatctgc ttggcaccat ggggaactct gcccctgcac aatgacattc caatcactac 120

cagccagaag ttacagccga ccttgctgat tgtcacaagc aggaccttgg gtccattggc 180

actgtcggtg atagtaagcc atttcttggg aagaggagac tcttccctac agatctgctt 240

gggcctgtgc aaatggcact gcaaacgagc cacacacacg tggagtccat gagctagtgg 300

gatgtacaaa gacgcttaag catttcaggg ctggttctgt tcatatccaa ttctggtgct 360

taggaacagg gacccatgtt aatgccccag ggca 394

<210> 4346
<211> 499
<212> DNA
<213> Mus musculus

<400> 4346
gaagagtgtc tgctagtcca gtctccagtc cattcgagca gatgccacag gtgcctgcca 60

ggttcccacc agttgcctga gcgggagtag aaatgagggg ttttatacac tactgggtca 120

gccagaaaag ggaaatgtgc gtcagttcgt gaaagagccc ggggaacgcc ctctgtctgg 180

aatgtgcctg aggtctgaca tcaagtcagg gtttccatcc cacacttggc accgtacctt 240

aacctgcagt ttcttccaaa tgcccaaagc cttgtttccg cttaccttag gctgaaaccc 300

ggcctaagga aatctatggg aaagtaacat tttaagtttt ttaaaagaaa aaatgttttt 360

ctttgtttca gtgtttggag atttttgttg tttgttgtcc ctccctttcc tgaatcctgt 420

tatgaaccaa ttttatataa tataattagt gttaatctaa ggtgttactc ggcaccgttg 480

ttgcggtcat ctttataag 499

<210> 4347
<211> 296
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<400> 4347
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ctaagtgatg cctggactta ctgcatcagt aaaaatgaat ggattcagtt taatcatcct 120

tatgttgaaa aaccaagatt atggcacacn gcttgtgcga gngatgaagg agaagtcatt 180

gtttttggtg gttgtgctaa caatctgctg gttcatcaca gagctgcaca cagtaatgaa 240

gtacttatat tttcagttca accaaaatct cttgtacggc taagcttaga agcagt 296

<210> 4348
<211> 353
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<400> 4348
gtgctggggc taaataccat catttgtttt tctctttaaa ctaagacatg tttcaacaga 60

atttctactg aactgactac aactcaattc tttcagaata caaaatactc aattttaagg 120

aaaaacatac aggcgtacca cttggtaatt aanagaccat agcaaatcct ttattacaaa 180

taattaaatc tctccacgtc gcacacagta tcaaacagca ttctgtagtc ccactagaca 240

gcacaggagg cattcaatgc tacaagtgag gacggagtta aacttgcaac tcctgacccg 300

gtgtcctttc cccacatcac ccaactgtgt gccacaagca tctcatctca aac 353

<210> 4349
<211> 226
<212> DNA
<213> Mus musculus

<400> 4349
caaggatggc gaggtttact gcattgatgc ccgttactat ggcaacatca gccgattcat 60

taaccacctg tgtgacccca acatcatccc tgtccgggtt ttcatgctgc accaagatct 120

acggttccca cgcattgcct tcttcagctc cagggacatc cggactgggg aggagctggg 180

ctttgactac ggtgaccgat tctgggacat caagagcaag tatttc 226

<210> 4350
<211> 201
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<400> 4350
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ctcataaaca gcacatagca gacagaccag tgagatgctc tctctntcat tagcacctga 120

catcctgctc ccaccacacc agacccattt cccattgttt tagagatttg gaaactttgt 180

acaaattatc cacggcaaga t 201

<210> 4351
<211> 484
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (408)..(408)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(455)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(458)
<223> n is a, c, g, or t

<400> 4351
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aggactatcc agaaagaaac ccatcagggg tgtagcacag ggttagccaa gcccctgtgg 120

ggtgcttgga tcaggagagg atacctcagt ggttaaggtt ctgatggacg cacatataca 180

tagatgtact cacttatcta tggtacagat gggtggggaa gaggttgctc tttactctcc 240

atctctgaca caaagtgtag ctgctagagg gatgacctct ccttcaactt gtcctgaagc 300

acttacattt agttgttgaa agcagtagta gcagaccaag ctanccccctt atccanccaa 360

cactgcacct aaccccaggg atttgctacc agagcaaact cagttctncc tntccctgaa 420

gtatgaccag gagacancca gtttcaaggg ctnnntnngc ctagcagagg ccaagtggtt 480

tgaa 484

<210> 4352
<211> 309
<212> DNA
<213> Mus musculus

<400> 4352
gagtgctgga gcgttttcag tccctgggac tcatcgtgaa agagtggacc agtgtgaaac 60

tgcacgccac ggtcatgaac acactgctca ggaaagaccc caacgcggaa ggcaggtaca 120

atctctacac agcagatggc aaatatatct tcaaggagag agagtctttt gatggccgga 180

acattttaaa gacatttgag aacttctact ttggttccct gaggctcaat tctattcaca 240

tctcccagag gttcacggtg gacagctttg gaaactatgc ctcctgcgga catgttgact 300

tctcctgac 309

<210> 4353
<211> 448
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (359)..(359)
<223> n is a, c, g, or t

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aagcccctct tcactgggct agtgactcag tgtcagaaaa tggacattcc tttccttggt 120

gaaatgcccc cagagcccat gatggtggac gagctgtatg agctggtggt ggacgccatc 180

ttcggcttca gtttcaaggg tgacgttcgg gagccattcc acagcatcct gagtgtcttg 240

agtggactca ctgtgcccat tgctagcatc gacattccct caggatggga tgtagagaag 300

ggaaacccta gcggaatcca accagactta ctnatntcac tgacggcacc caagaagtnt 360

gcaactcact ttactggccg atatcattac cttgggggtc gctttgtacc acctgctcta 420

gagaagaagt accagctgaa cctgccat 448

<210> 4354
<211> 377
<212> DNA
<213> Mus musculus

<400> 4354
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ccaaagatgt gaaaaaatct gtcaaagcac ctgctgaagc acagccagtg agtgatgtcc 120

tcatcagctg tgcgacttgc cacagtgaat ttccatcccg gaataaactg tttgatcatc 180

taaaggctac tggtcatgca agagcacctt cagccacagc atctttaaac agtgtaacta 240

ggaacaagaa agagaagcgt agaagtagat aggaattctg ttaactcttt ttttttttta 300

actgtctcta gatctggaac caaaaactga actgacataa tctagagtta aaatttcagt 360

gatctgcaat tcattgc 377

<210> 4355
<211> 176
<212> DNA
<213> Mus musculus

<400> 4355
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ttgaattggc taaacaaatc acatcatatg gagagacgtg tcctgggctt gaacagtatg 120

ctattaagaa gtttgctgaa gcgtttgaag cgattccacg ggcactggca gaaaat 176

<210> 4356
<211> 371
<212> DNA
<213> Mus musculus

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<222> (250)..(250)
<223> n is a, c, g, or t

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<222> (253)..(253)
<223> n is a, c, g, or t

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<222> (255)..(255)
<223> n is a, c, g, or t

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<222> (315)..(315)
<223> n is a, c, g, or t

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<222> (321)..(321)
<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

<220>
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<222> (335)..(335)
<223> n is a, c, g, or t

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ccaaactgtt cagtgtgggt gtggaagcca ctcactcgcc tgtcttccct tactttacct 120

tcatcctgtg tttgttctct ttgaagtgaa ctcactgtca tgactgggta gtgtggacta 180

tcctgagccg taactgctct gaatgttcac tcgattagcc atgtatattt taaatgctaa 240

tatttaatgn aantntaagt ttcaacattg ttgctatttc tgcatttaaa cataattggg 300

agacaactga cattnctaca ntcaactngc caggncctta gactaagtat gtccattttt 360

gttcaggtac a 371

<210> 4357
<211> 529
<212> DNA
<213> Mus musculus

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<222> (243)..(243)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (250)..(251)
<223> n is a, c, g, or t

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<222> (257)..(257)
<223> n is a, c, g, or t

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<222> (267)..(270)
<223> n is a, c, g, or t

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<222> (277)..(277)
<223> n is a, c, g, or t

<220>
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<222> (293)..(294)
<223> n is a, c, g, or t

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<222> (304)..(304)
<223> n is a, c, g, or t

<220>
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<222> (330)..(330)
<223> n is a, c, g, or t

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aagagcaatg tccactgtca ggtgttttcc aagtccagtt ccaggagcct cctcatgttt 120

gcctgctggg atccctgcac aaggtgtttc tttacaatag accaggatgt gaagcactgc 180

tgctaacccc tgctccctgt gacatcacca tctcctccct ctcttcctct ctccattttg 240

ggnaattntn ngtcagncga ggtcttnnnn ttacttngtt tttgactcat gtnnccgtgg 300

gcanctagag tagagaattc tggaggaaan aaagtttatt tcatcttgac ttttgtgttt 360

gagttatttt taatattttc ctgtaaatat tttgtaatat tttccttgta gtgaaatgga 420

ttacagtatc atttcctaat tcaaaacagg atatgtggga agaaaatata caattctggg 480

attaaagtta cttcccacaa gctaaactct tttgagtgtt tcatggaca 529

<210> 4358
<211> 58
<212> DNA
<213> Mus musculus

<400> 4358
acatcgccga caacttccag gcatttgtgt gggagccagc catggtgcgc atcaacgc 58

<210> 4359
<211> 221
<212> DNA
<213> Mus musculus

<400> 4359
catcatgatt gtgaggaggg ccatcaagaa tgactctgtg gtggctggtg gtggagccat 60

cgagatggaa ctttccaaat acctgcggga ttactcgagg accattcctg ggaagcagca 120

gctgttgatt ggggcatatg ccaaggccct ggagattatt ccacgacagc tatgtgacaa 180

cgctggcttt gatgccacaa acatcctcaa caagctgcgg g 221

<210> 4360
<211> 250
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

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acgatgttgg agaatatgtc cggcattatc cccggggaaa acgggttatt gagcagcttg 120

gtggaaagca gttggtgatg aaccacatgc accatgaaga ccagcaggtt cgctacaatg 180

ctcttctggc cgtgcagaag ctcatggtgc acaactggga atatncttgg taaacaacta 240

cagtcagagc 250

<210> 4361
<211> 516
<212> DNA
<213> Mus musculus

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<222> (147)..(148)
<223> n is a, c, g, or t

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<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
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<222> (369)..(369)
<223> n is a, c, g, or t

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<222> (387)..(387)
<223> n is a, c, g, or t

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<222> (394)..(394)
<223> n is a, c, g, or t

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<222> (412)..(412)
<223> n is a, c, g, or t

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<222> (431)..(431)
<223> n is a, c, g, or t

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<222> (477)..(477)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (485)..(485)
<223> n is a, c, g, or t

<400> 4361
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aatgaggagc cccagtgagg gtccgcacca ggggcctgga caagaccatg aacgcgagga 120

gcaggggcag gggcaagggc tgagccnnga gcgcgtagag gactatggga ggacacacag 180

gggccaccac caccacagac acaggcgctg ctctcgtaag aggctacata ggatccacaa 240

gaggcgtcgg tcatgcagaa ggcggaggag acactcctgc cgccacagga ggcggcatnc 300

gcagaggctn gcagaagatc ccgaaggagg aggagatgca ggtgcaggaa atntaggagg 360

caccatcant aagcctcccc aggcctntcc attntgcctg gagccaagga antcacttgc 420

ccaaggaata ntcacctgcc caagcaacat catgtgaggc cacaccacca ttccatntcg 480

atntntgagc cctgagctgc caaggagcca cgagat 516

<210> 4362
<211> 493
<212> DNA

<213> Mus musculus

<220>
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<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(272)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

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<222> (326)..(326)
<223> n is a, c, g, or t

<220>
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<222> (400)..(400)
<223> n is a, c, g, or t

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ggtagctgtg agcagaagac ggtttaccag gggcccagga gtatttggaa gcaacgtgtt 120

aattataaac agcagggttt gagcacaatc tgttctactc ttaatgatgt tatcttaaca 180

ctgaaattgc ctgaaaccca tttacttagg actgtgtttt gctctatgaa ctatcccctg 240

cgctttgaac gtgccagnca gcccttgntt nntttgccca nccttttnca cttcctctcc 300

acaggagtnt ntnctggctc ttnccnaagc agatttccta aggccactat tttaaaagat 360

catagttgct aaagtatgtg ctgtgtatgt ttatcttctn acctagtttt ctcaaaacct 420

ggcagcttgt tcattgtgca cacagcagct tcatgtctaa ctctgcttgc taacctgaca 480

gtactggtca ctc 493

<210> 4363
<211> 433
<212> DNA
<213> Mus musculus

<220>
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<222> (329)..(329)
<223> n is a, c, g, or t

<220>
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<222> (359)..(359)
<223> n is a, c, g, or t

<400> 4363
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tgtttctttc ctggatgttc gaaacatcat cctaggcaag tctcactatg tcctgtatgg 120

gctggtagcc gccatgcagc ctcggatgct ggttacattt gatgaggagc tgcgaccatt 180

gccagtttct gtccgtgtgg gtcaggcagt ggatgtggtg ggccaggctg ggaagccaaa 240

aacaatcaca gggttccaga ctcatacaac gccagtgttg ctggcccatg gggagcgggc 300

agagttggcc actgaggagt ttcttcctnt cacccccatt ctggaaggct ttgttattnt 360

tcggaagaac cccaactatg atctttgaaa aagtggcttc tagagaccct ggctgcagcg 420

gaatttttg ttt 433

<210> 4364
<211> 82

<212> DNA
<213> Mus musculus

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<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<400> 4364
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cacatcataa caaagttcaa ta 82

<210> 4365
<211> 294
<212> DNA
<213> Mus musculus

<400> 4365
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tgcccatatg gagtggtgta aacgttgctg gcgtaactct gaagtcactg aacccagcaa 120

taggaactga ctcagataag gaacactgga aaaatgttca caagcaggtg gtggaaggcg 180

gctatgaggt ccttaacatg aagggctata cctcttgggc tatcgggctg tctgtgactg 240

atctggcgcg atccatcttg aagaatctta agagagtgca tcctgttacc acgc 294

<210> 4366
<211> 362
<212> DNA
<213> Mus musculus

<400> 4366
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tgatggagga atccaaaatg tgggtcatat tgccaaagct ttggctcttg gggcttccac 120

agtcatgatg ggctccctcc tggctgccac cactgaggcc cctggcgagt acttcttctc 180

agatgggatc cggctgaaga aataccgagg tatgggttct cttgatgcca tggacaaaca 240

tctcagcagc cagaaccgat acttcagtga agctgacaaa atcaaagtgg cccaaggagt 300

ttcaggggca gtgcaggaca aggggtctat ccacaagttc gttccttacc tgattgctgg 360

ca 362

<210> 4367
<211> 515
<212> DNA
<213> Mus musculus

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<222> (269)..(269)
<223> n is a, c, g, or t

<220>
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<222> (275)..(275)
<223> n is a, c, g, or t

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<222> (302)..(302)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (456)..(456)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (490)..(490)
<223> n is a, c, g, or t

<400> 4367
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ccaggaagag tctctgagga cctacctttt tacctacagc agtgtctatg actcaatcag 120

tatggagaca ctatcagata tgtttgagct ggatctaccc actgttcact ccatcatcag 180

caagatgatc attaacgaag aattgatggc ttccctggac cagccgacac agactgtggt 240

gatgcaccgt actgagccca ctgcccagnc agaancttgg ctctgcaagc tggctgagaa 300

gncttggcag cctagtggag aataatgaac gggtgtttga ccataagcag ggaacctatg 360

gtggctattt ccgagaccaa aagggatggc taccganaaa anatgaaggc tatatgccgc 420

cgtggtggct acccgccagc nagcagtctc agacangcct actgagnttc tccacttcag 480

tcaccctgtn gaacagacca tcttagcctt tttgc 515

<210> 4368
<211> 407
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

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cgccatttca aatatctttc aggctgcaga gaaactaggt gagacagaaa agctnagtat 120

aatgattgaa gagtgtggag gcttggataa aattgaagca ctacagaggc atgaaaacga 180

gtctgtatac aaggcctcat tgaacttaat tgagaagtac ttctcagtgg aggaagagga 240

agatcaaaat gtggtgccag aaactacctc tgaaggcttc gccttccaag ttcaggatgg 300

agctcctggg acctttaact tctaatgtcc agctaaggca caaagttgtt agctatgtgc 360

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<210> 4369
<211> 301
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

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tgtgttcgtg ctttcgcgga tgctatggaa gtcattccat ctacactagc tgaaaatgct 120

ggcctgaatc ccatttctac agtaacagag ctaagaaacc gccatgccca aggagaaaaa 180

actacaggca ttaatgtccg aaagggtggg atctccaaca ttttggagga aatggttgtt 240

cagcctctgt tggtgtcagt cagtgctttg accttagcaa ctgaaactgt gcggagcatt 300

c 301

<210> 4370
<211> 162
<212> DNA
<213> Mus musculus

<400> 4370
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cagatgttca gtccatcatc ggcttgcagc gcttctttga gacacgcatg aatgatgcct 120

ttggtgacac caagttttct gctgtgctgg tagaaccacc ac 162

<210> 4371
<211> 522
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<400> 4371
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aaactatgca acaagcatgg gatctcggga acagcttgct attgcagagt ttgcaagatc 120

tctgcttgtg attcctaata cactggcagt gaatgctgcc caggactcca ccgacctggt 180

tgccaagtta agagcttttc acaatgaggc tcaagtgaac ccggaacgta aaaatctaaa 240

gtggattggt cttgatttgg tccatgggaa accacgagac aacaagcaag caggggtgtt 300

tgaaccaacc atagttaaag tgaagagcct gaagttncgc aacagaggct gcaatcacca 360

tccttcggat tgatgatctg ataaaattac acccagaaag caaagacgat aaacacggaa 420

gttatgaaaa tgctgttcac tctggagccc ttgatgactg attggatttc cctnttattt 480

ataacagtgt caggtgcaat gccgtagcct tgggtgtctc ac 522

<210> 4372
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

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<222> (286)..(286)
<223> n is a, c, g, or t

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<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
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<222> (310)..(310)
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<222> (312)..(313)
<223> n is a, c, g, or t

<220>
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<222> (335)..(335)
<223> n is a, c, g, or t

<220>
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<222> (341)..(341)
<223> n is a, c, g, or t

<220>
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<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<400> 4372
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ccttgcgagg gaggtgtgtt ggagatctag acccctttaaa acaaagcaag ctgcagttaa 120

ccatgttgcc ttttgccact ctaattgacc agtggactaa atggcaggga ggccccttct 180

gggttggtca gattgnagag aaggggctga ccaaagtgcc aagacctaat gggtgccagc 240

cttgctctca gaagtggtcc aagggccttt gcgcctggta caagcntagg gtgagncctg 300

tcttncaccn gnncaccctc acccgtgaca ccaangtctc ncctcagttc cagattccag 360

acagtattnc tttntccncc atcctatgac caaaggtccc tgccagatgt aaagcgaagc 420

tggtgtgtgt ggaatcagtg tggcaaccca tggactgcag tgcgcataac cagctcacct 480

ctt 483

<210> 4373
<211> 234
<212> DNA
<213> Mus musculus

<400> 4373
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ccagtcggtt gccgaataca acatctttga agggatggag ctgcgtggtg cacctctggt 120

ggttatctgc cagggcaaga tcatgctgga agatggcaac ctgcacgtga cccaggggc 180

tggccgcttc attccctgca gcccattctc tgactatgtc tataagcgca ttaa 234

<210> 4374
<211> 303
<212> DNA
<213> Mus musculus

<400> 4374
aagagattta tcaccggatc cccaactcag acccatcatc aagcaaaacc aagcaggtca 60

tctccaagat caggacacag aaccttccca actgccagct catctcccga agccactact 120

cccccattta cctgtcattt atcatgctct tggctgccct gagctggcag tacctgagca 180

ccctgtccca ggtcacagaa gactatgtcc agagagaaca ctgattttgt ttagccggaa 240

gtggaagttc ccgtggagtg ggtttttcct tttcctccag ctggattttg acttcccttg 300

ttt 303

<210> 4375
<211> 448
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
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<222> (379)..(381)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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tgctgggaca gtgatggtct tggccaaggt cagcatgtaa tggaaagaca gtgtattgcc 180

aggctggata gatggggtca tctcacagtg ggtcacgtga aaatcagtgt cacgtagtcc 240

cagtgaatgt tgtgttcttt ctgggggggag gggggaatag aataaactca aattcttttt 300

cagtatagcc ccntgagtna atgaatgnaa atttgagctt atgtaagtaa agattcattt 360

atnccaccag ggagagccnn ntatntgaga gacatttagc agagagcact ttagtttttt 420

gctgctaact gttgtgtgat cctttgct 448

<210> 4376
<211> 380
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

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tgatttggcc aactgtaact taaatgatga gtatgtcaac aaaatgaact cagacagagt 120

tccagatgtg gtgttaatta agaagagcta tgaccgcacc aaacgccagc gccgtagaaa 180

ctggaaactg aaagagcttg caagagacag agaaaacatg gacacagatg atgaaaggca 240

atatcaagat tttcttgaag atcttgaaga agatgaggca attagaaaac atgtcaacat 300

ttacagagat gcaannccat cccntgtgga aagtgacaca gantgantng aaggnagcac 360

ctcgaattag tctggctgag 380

<210> 4377
<211> 150
<212> DNA
<213> Mus musculus

<400> 4377
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ggtcagggag agagtgaaaa tccttctagg cagctcactt gtagatacac acgactgcca 120

ggattcagga aaagcgtggc cattttcaaa 150

<210> 4378
<211> 180
<212> DNA
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<222> (78)..(78)
<223> n is a, c, g, or t

<220>
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<222> (125)..(125)
<223> n is a, c, g, or t

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acacacctcc tcctccangc aactcctgtc ctcagctcct cccacggcct cctcccacct 120

ctggnttcag gcgctctgaa aacactcaca gggagaggct tgcagccgag cgagcgagcg 180

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<211> 183
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<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aagagggtgg atgcgcctaa ggaactctgc tcctggtgtt acagtngctn tccctctcca 120

cccttgagta tttatgctga gtaagctcca ggctccngct cagtgatgct gccacctgct 180

gga 183

<210> 4380
<211> 288
<212> DNA
<213> Mus musculus

<400> 4380
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ggcagaagtc atcctctgta ggccctgtag gaagggaccg acgactccgg ccaccacctg 120

gggcttgttc atgtggatgt agtgattgcc tgggacttcc acaaactgga accgctagag 180

aaaaggggtg ggtggtgaga tagcgcccac tcaggagact cctgtggtca gaggcaacct 240

tgtctattca cagtagcctg gggacttgga ggctgtcacg gaaatgta 288

<210> 4381
<211> 495
<212> DNA
<213> Mus musculus

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<222> (309)..(309)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (422)..(422)

<223> n is a, c, g, or t

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<222> (424)..(424)
<223> n is a, c, g, or t

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<222> (450)..(450)
<223> n is a, c, g, or t

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gaagggatgc tataacacta gactcaagga agatggcggc tgtactatct ggtacaatga 120

aatgcagcta ctttccgaga tagaagagca cctgaactgc accatttccc aggtcgagcc 180

agatataaag gttccagtgg atgagtttga tgggaaagtc acatacggtc aaaaaagggc 240

tgctggcggt ggaaactaca aaggccatgt ggatgtcctg gcacctaccg ttcaagagtt 300

ggctgcccnt tgaaaaggaa gcacagacct ctttcctaca ccttggctac cttcccaacc 360

agctnttccg aaccttctga cgtcatgtag acagaggagc attggantca taaantctgt 420

antnttaact ctaaccctct ggtgctgctn tctgagcagc agtatttaca ataaccgagc 480

tatcacggct aactc 495

<210> 4382
<211> 274
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<400> 4382
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aggttgtcaa ggagatggac aatgagaaga ggatccggct actgcagttt gtcacgggaa 120

cctgccgtct gcctgttggg ggatttgctg agctcatcgg gagcaatggc ccngcagaag 180

ttctgcatcg acagagttgg caaggaaacc tggctgccca ggagccatac gtgcttcaac 240

cgtctggacc tgcctcccta taagagctac gagc 274

<210> 4383
<211> 473

<212> DNA
<213> Mus musculus

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<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(275)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

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<222> (285)..(285)
<223> n is a, c, g, or t

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<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

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gagtgtggaa tttaatacat ttcctttaga gctaccatac tatttttga cattaagtgt 120

gtggcaccta gacaccatgt catatctagt taatgagcag aaacaagcac aagttcccac 180

ttgaccaagt gatagtcctc tgtaggaaac taactaccca gctacagagg gaagagtagc 240

cttagggaga gagctgaccc aagggtntac tttnntcctt ggnanagttt gagcattttc 300

agtgtacaga gttttcattc ctaggctatt ttccatcgac ttagtttttt gtgctagtgt 360

taaactntct gtggtttcct ntgcnttctc ctttgctgaa gttggtttgt gttttgtact 420

tttgtgctag ttctggctaa ttccaattgc ttgctttcga aattgcggtt gct 473

<210> 4384
<211> 286
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (142)..(142)
<223> n is a, c, g, or t

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<222> (151)..(151)
<223> n is a, c, g, or t

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<222> (155)..(155)
<223> n is a, c, g, or t

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<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

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<222> (171)..(175)
<223> n is a, c, g, or t

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<222> (186)..(186)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (257)..(257)
<223> n is a, c, g, or t

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caagggcgtc aagangaggt ggaagcaaga gaaaataccg gaagagcgtc ctgaaaagta 120

ggaaacgggg cgatgatgca antcgcaatt naccnatccc actntntgat nnnnncaatg 180

agnntntncc cntggtgntn ttcaaacaac acggggcagg agcatgagga catcagaggg 240

ggactgccaa agagatnctg aagttagacc aaaagccaaa gatcct 286

<210> 4385
<211> 186
<212> DNA
<213> Mus musculus

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<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<400> 4385
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gtcaagcccn gtgtcctcca gaggctnctg gcacatagag tggagtcacc aaagcaccac 120

ttttgcactg gctacctctc actcctatnc ttgtgcgctt ctgtggcagg gactgactgc 180

tgatac 186

<210> 4386
<211> 155
<212> DNA
<213> Mus musculus

<400> 4386
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gtgtgctctg gagaccaatg tgaaggtcac tgaactctcg gccagcattt aaagaacaag 120

ggcaagtggt gaatccagcg ctcccttgca agctt 155

<210> 4387
<211> 547
<212> DNA
<213> Mus musculus

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<222> (299)..(299)
<223> n is a, c, g, or t

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<222> (311)..(311)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttgggattt gaggaggact gtcccaggtg gtgccctccc cacattgtca ctcacgctct 120

ggagagtgtg ctcttcctcc tatcccagaa caaggaagca gtgatgtagc atcagaaagc 180

tgcgtggtgg cggaccctgg aggggagctt gtcaatgctc catttgtttt cccagtgtgt 240

gcaagcatcc attgcgtgag acagacagtc tgcagtgaga actcaactta ggtgttctng 300

gggaaactcc naagttctga tncctcctta gagaagaagg gagggagcag agtgcagtgt 360

gtgctgtgct gaaggagctc ctgacctgag agatggactg cangccctcc tncctgctgc 420

gcatccagat cctgaggaga aatgccgaat gcatctattt ttgttcttgt atggcagccc 480

ttgaagattt gaggtggtta atgtatcttc aggttaaaac gnccctagtt catttattct 540

gcatttg 547

<210> 4388
<211> 369
<212> DNA
<213> Mus musculus

<400> 4388
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cgtctgggga ggggtctaat gttctgatgg agtcattctg ttgttgatat aaaaaaagca 120

actctgaaaa aggaagcact ccgccaggat caggtctaga ggagagctgg agctggtggt 180

gtctgtgagt ggttgaacaa ggaaactgtc cagaaccggg cacagtgggg tctttaaggg 240

ccctgtcccc caactgagac aactcaagac tcccatctta gctgagccct gactgtccag 300

atcaggtggc tgcgtaggta tcaagtgtct aaagaacagt gctgctgtgg agagagaccc 360

tcttaagcc 369

<210> 4389
<211> 364
<212> DNA
<213> Mus musculus

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<222> (63)..(64)
<223> n is a, c, g, or t

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<222> (97)..(97)
<223> n is a, c, g, or t

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<222> (100)..(100)
<223> n is a, c, g, or t

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<222> (122)..(122)
<223> n is a, c, g, or t

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<222> (125)..(125)
<223> n is a, c, g, or t

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<222> (128)..(128)
<223> n is a, c, g, or t

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<222> (143)..(143)
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<222> (191)..(191)
<223> n is a, c, g, or t

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<222> (194)..(195)
<223> n is a, c, g, or t

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<222> (201)..(201)
<223> n is a, c, g, or t

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<222> (236)..(236)
<223> n is a, c, g, or t

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<222> (254)..(254)
<223> n is a, c, g, or t

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<222> (267)..(268)
<223> n is a, c, g, or t

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<222> (303)..(303)

<223> n is a, c, g, or t

<220>
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<222> (330)..(330)
<223> n is a, c, g, or t

<400> 4389
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ggnnccaagc cagcaccatg gccagatacc gatgctnccn gcagcaaaag caggagcaga 120

tnccnccntc gcaggcgaag atntcgcaga cggaggaggc gatgctgccg gcggaggagg 180

cgaagatgct nccnntcgcc ngccgctcat acaccataag gtgtaaaaaa tactangatg 240

cacagaatag caantccatc aaaactnncc tgcgtgagaa ttttaccaga cttcaagagc 300

atnctcgcca catcttgaaa aatgccaccn tccgatgaaa aacaggagcc tgctaaggaa 360

caat   364

<210> 4390
<211> 360
<212> DNA
<213> Mus musculus

<400> 4390
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cctcaagtgc agacccaggc ccaggaagga agaggaagag gatacagtca tcacagagtg 120

cagagtgagg tgcacagccc aggctggcac atggtggaat ggggcaggat acctgggcat 180

gctcctgcag cctctgaatg ccgaggttct gagcgtccgt cctatagggg aggagcagga 240

ggaggacgga agaaactctt ggtttagtcc cagcctttaa gcatgatcct gcctcagagc 300

catgacctgc atctcagaaa aacactcaac atttcacttg tacatatgct atggctgtgc 360

<210> 4391
<211> 550
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (225)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (231)..(233)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

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caccgcagac cagaatctgc agttcatcga ccccttctgc cagatagcag cccgcactaa 120

ggattcccag gttttgcata agatcattca gagcatcttt cagacgattg tggagcaggc 180

tcccttggcc atagaagaca tcatgaatga actggacaca caganngggng nnngggaagg 240

gtcagatgag gacgatggtg atgatgacag tgacgaggcc tcagagggtg agcangatct 300

ncaagacaca ccacccaaga agctgcctgc aggcaccgca catagggctg nccctgaggc 360

agacaaggaa caggcgtggg atgacgagga gaacgctggc cctgtcctcc agtttgacta 420

cgaggcactt gctaacaggc tgttcaagct cgccagtaga cagagcaccc cttctcagaa 480

caggaagcgc ctntacaaag tgatccaaaa gctgcgggag ctggctggag gcactttccc 540

agaggatgat 550

<210> 4392
<211> 223
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (77)..(77)

<223> n is a, c, g, or t

<400> 4392
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ataatacctg cgaggantcg ctcctggccg cgcccatcat gctggaccta gtgctgctca 120

cagagctgtg tcagcgcgtg agcttctgca cagactcgga ccccgagcct cagggcttcc 180

acacagtgct gtccctgctt agcttcctgt ttaaggcccc gct 223

<210> 4393
<211> 413
<212> DNA
<213> Mus musculus

<220>
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<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<400> 4393
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actgggtgta cacgttctcc cgagctgccg tcctcctcag catcgtatac ttctattctt 120

ctttcagtcg gtttatcatg gtaatgggag ccatgctgct ggtttattta caccaagctg 180

gatggtttcc gttcaggcaa gaaggcggtc agcaacaagc tcccaacaat gtggacgcta 240

acaatgacgg gcataatgca aacaatctag aacttgaaga aatggagcgc cttatggatg 300

atggacttga agatgagagt ggagaagatg caggtgaaga tgccagtgca gntcaaaggc 360

ctgggttaat ggcttcagct tgntctttta tcaccacctt ttttacttca cta 413

<210> 4394
<211> 503
<212> DNA
<213> Mus musculus

<400> 4394
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gctaaatacc agttggatcc tactgcttct atctctgcaa aggtcaacaa ctctagttta 120

attggagtgg gctatactca gactctgagg cctggtgtga agcttacact gtctgctctg 180

gtagacggga agagctttaa tgctggaggc cacaaacttg ggcttgcctt ggaattggag 240

gcttaatcca gttaaaagaa acctctggga acgaatatca gaagatttgg ccttaatata 300

tttccatgcg accagcaggc tccccttcct tcccccagaa ggtgatcaca tcaaaggatg 360

atgaagcaag agctgtattt taaatattta gacagtcact gttggctggt tcctagttgg 420

atggttatca gtgctgccgt ggtgcggccc cctatacatt atttaaatgt atttaactgt 480

taaatgtgct acccaccaat gat 503

<210> 4395
<211> 300
<212> DNA
<213> Mus musculus

<400> 4395
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aaaagcttgc tttctgtatt ttaaacttgg tggagagtgt gtgaccggtc ctgttgggtt 120

gctttcaata ttgtctcctc accctctggt gttgattcga cacttctttt ccgttgcaat 180

ctacgccacg tatttctgct tcaaatcaga gccgtgggct acaaaaccac gggccctttt 240

cagtagcggt gctgtactgt acaaagcgtg ttctatccta tttccactca tctattcaga 300

<210> 4396
<211> 532
<212> DNA
<213> Mus musculus

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<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (332)..(333)
<223> n is a, c, g, or t

<220>
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<222> (339)..(339)
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<220>
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<222> (343)..(344)
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<220>
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<223> n is a, c, g, or t

<220>
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<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (496)..(496)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (505)..(505)
<223> n is a, c, g, or t

<400> 4396
gacatctgtg aataccgtcc ttattcctgt ccttgtcctg gtgcntcctg caagtggcag 60

ggatccctgg aagctgtgat gtcccatctc atgcatgccc acaagagtat cactaccctt 120

cagggagagg acatagtctt tctagctaca gacattaacc tgccaggggc tgtggactgg 180

gtgatgatgc agtcctgttt tggccaccac ttcatgctgg tacttgaaaa gcaagagaag 240

tacgaaggcc accagcagtt ctttgccatc gtcctcctca ttggcacccg aaagcaangc 300

tgagaacttt gcctacagac tggnagttng annatgggna acnngnnnga ganctgnacc 360

tgggnaggcc acacctcggt ccattcatga tggcgtgngc tgcanccatc atgaacagtg 420

actntcttgt ttttgacaca gccatagcac atntctttgc agataatggg aaccttggaa 480

tcaatgtcac gatatntaca tgctntcagt gaggctccag gaggctttcc ta 532

<210> 4397
<211> 272
<212> DNA
<213> Mus musculus

<400> 4397
tgggctgcaa tgagtgcaca caccccacct gccagcactc actgagtatg ctgggcattg 60

gccagtgcgt ggaatgcgag aatggagtcc ttgttctgga ccccacttct ggtcccaagt 120

ggaaggtggc ctgcaataca tgcaatgtgg tggcacactg ctttgaaaat gcccaccgag 180

tacgggtatc tgctgacacc tgcaacacct gcgaggctgc cttgctcgat gtagacttca 240

acaaggccaa gtctcccctt cctggcaatg ag 272

<210> 4398
<211> 394
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(43)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<400> 4398
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gacacctaca gttacttggc ttaacccatc tagcagggtc tgcatgaccc acaagcagat 120

agttccagtg aataaaatgg aaacaactca agttcatagc agccagcctg ccgccatttg 180

gaccttcatt tttaaagctg agaccacagt tcccaccagc tgctggtttc aggctacagc 240

aggactgctc aggactgact gacacatttc agtctgtaaa cagacgccaa tgccatttac 300

cctaactcac agacagaggg gaaccgnaac cttccatgct gaggctgcat gctaccgcac 360

ttaaatcaat acattggctc cctggttaac agct   394

<210> 4399
<211> 62
<212> DNA
<213> Mus musculus

<400> 4399
catgggtgat gcttggatat gaacagtggg attttgtgca caggaaccat gatattttta 60

at   62

<210> 4400
<211> 296
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<400> 4400
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ggcanagatc acaggtgcta atgccaagaa ggagatggtg aagtccaagc tgcccaacac 120

agtgctgggg aagatctgga agttggcaga tgtggacaag gatggcctgc tggatgacga 180

ggagtttgcc ctggccaacc accttatcaa ggtgaagcta gagggccacg agctgcccgc 240

tgaccttcct ccacatctca ttccaccctc caaacggagg cacgagtgac ttccat   296

<210> 4401
<211> 577
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<400> 4401
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ggcanagatc acaggtgcta atgccaagaa ggagatggtg aagtccaagc tgcccaacac 120

agtgctgggg aagatctgga agttggcaga tgtggacaag gatggcctgc tggatgacga 180

ggagtttgcc ctggccaacc accttatcaa ggtgaagcta gagggccacg agctgcccgc 240

tgaccttcct ccacatctca ttccaccctc caaacggagg cacgagtgac ttccatnccn 300

tgagataccc tacaaccccc agggctgctg ccnactttct acccaccagc tccttnttct 360

gcccaggtgg gnctggggcc tggaggggca gaaattgggg gagggaaagg gtcaccattt 420

ttcaaggtcc ataaagactg agcggtgttt cctcagctct tgaataggaa aaccaccatc 480

tttcttttaa agctgttccg gggttcagcg ggaggcatgg gtgatgcttg gatatgaaca 540

gtgggatttt gtgcacagga accatgatat ttttaat 577

<210> 4402
<211> 400
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<400> 4402
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cctgtgacct ggggtggtct ggggctggta agaggaagcc tgtggctctg gcctgggtgt 120

agtgtccatg cagcacgaca ggggaaaacc cagccccttc cctcgccctg tcatttcctt 180

cctctcctcc tctgctgagc caaggaggtc tgggtgtcct gagagcccca gactgagcag 240

taagaagcct gagctagcaa atgaccactt tagtcacccc actgtagcct ggggacccgg 300

acacatcctg tggccagtgg tttggctgtc agggtgggct ttccactgag ctgggtaggg 360

cattgcancc tgctncctct gacactgtag gtgggcttca 400

<210> 4403
<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (298)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<400> 4403
gggctttggc tcttacatca gtgaagtaaa agaagtctta caagaatgca agacagtagc 60

attaaaaaga agaaaggcca gttctcgttt ggaaaacctc ggcattcctg aagaggaatt 120

attgagacag caacaggaat tatttgcaaa agctagacag caacaagcag aattggccca 180

acaggaatgg cttcaaatgc agcaagcagc tcaacaagcc cagctggctg cagcctcagc 240

cagcgcgtcc actcaagcag gatcttcaca agacgaagaa gatgatgatg acatctgnna 300

ntncaccacc tgggctttca agaaaacagt gaaagatatg cctatctgta attctgtatg 360

catcttggtg gacttaccat tggtattcta gagacgtctg ttgtctggtt tcaactactg 420

tgctatacat gtaaaactgt ctctttgaac tattgaaaat ttaaggttaa gtataatatc 480

acctttggat ttgtaatggt gtttctggaa tcttagacca gtgtgaaccc tt 532

<210> 4404
<211> 89
<212> DNA
<213> Mus musculus

<400> 4404
cagtctgtcc catctcagtt tgcaaaaagc actgacacgt atctcttcta ttgtaagctt 60

tccatttagt ttgcttccaa tgattaaat 89

<210> 4405
<211> 321
<212> DNA
<213> Mus musculus

<400> 4405
tgacagaaaa atctaaggcc atgactggtg tggaacaatg gccatataga gctgtggccc 60

aggcgttaga ggtcatccct cggaccttga tccagaattg tggggccagt accattcgtc 120

tgcttacctc ccttcgggcc aagcacacac aggagagttg tgagacctgg ggtgtgaatg 180

gtgagactgg taccttggtg gacatgaaag agctgggtat ttgggagcca ttggctgtga 240

agctacaaac gtacaaaaca gcagtagaga ctgcagttct gcttctgcgg attgatgaca 300

ttgtctctgg ccacaagaag a 321

<210> 4406
<211> 475
<212> DNA
<213> Mus musculus

<400> 4406
gggccagtac cattcgtctg cttacctccc ttcgggccaa gcacacacag gagagttgtg 60

agacctgggg tgtgaatggt gagactggta ccttggtgga catgaaagag ctgggtattt 120

gggagccatt ggctgtgaag ctacaaacgt acaaaacagc agtagagact gcagttctgc 180

ttctgcggat tgatgacatt gtctctggcc acaagaagaa gggtgatgac cagaaccggc 240

aaactggtgc tccagatgct ggccaggagt gagtgctgag cacggtgact tccatgcaca 300

gaaccagcag tctccccttt cctgagccag agttccagga acactgtgga catctttgtt 360

tgcgaaggat caggttgagg ggcagccccc agtctgtccc atctcagttt gcaaaaagca 420

ctgacacgta tctcttctat tgtaagcttt ccatttagtt tgcttccaat gatta 475

<210> 4407
<211> 319
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<400> 4407
tgagtaccag actatcccac ttaataaaat agaagatttt ggcgtgcact gcaaacaata 60

ttatgcctta gaagtctcat atttcaaatc atctttggat cgtaaactac ttgagctttt 120

gtgngaataa natacnntgg ngtgaatacc ctgagttcct ctagcttgct tactaatgca 180

gactacacca caggccaggt gtttgatttg tctgagaagt tagagcagtc ggaagcccaa 240

ctgggacgtg gcagtttcat gttgggctta gaaacacatg accgcaagtc ggaagacaaa 300

cttgccaaag ctactagag 319

<210> 4408
<211> 154
<212> DNA
<213> Mus musculus

<400> 4408
cccatcttgg gccaagtcag caggttccaa gtctagtggt ggcagggaag attcggagtc 60

gcctggaaca cagagaagta actcttctga agcaagctct ggagatttct tagacctcaa 120

gggagaaggt gatatgcatg aaaatgtgga caca 154

<210> 4409
<211> 46
<212> DNA
<213> Mus musculus

<400> 4409
gaatctctgg ctgactacat caccgcagca tatgtggaga tgaggc 46

<210> 4410
<211> 186
<212> DNA
<213> Mus musculus

<400> 4410
aggatgccac ctatacttct gcccggaccc tgctggccat tctccgactt tccactgctc 60

tggctcgact tcggatggta gacattgtgg agaaggaaga tgtaaatgaa gccataaggt 120

tgatggagat gtcgaaggac tcccttctag gtgaaaaggg acagacagct aggacccaga 180

ggccag 186

<210> 4411
<211> 170
<212> DNA
<213> Mus musculus

<400> 4411
gaagctgtag caatggagtc gtttgcaaaa gccctgagaa tgttgccgac catcatagcc 60

gacaatgcgg gctatgacag tgcagatctg gtggcacagc tccgagctgc tcacagtgaa 120

ggccatataa ctgctggact ggatatgaag gaaggtacca tcggcgatat 170

<210> 4412
<211> 286
<212> DNA
<213> Mus musculus

<400> 4412
tttcttggta cggaagtgtg ctcacgggag ctgctagatc ttctctgcag caacgcttta 60

ttcatcttct gtggatttga caagaaaaac ttaaatgtga gtcgctttga tgtgtatcta 120

gggcataatc cagcaggaac atctactcaa gacctttcc actgggcaca gcttgctaaa 180

tctgggaagc ttcaagccta taactgggga agtccattac agaacatgtt acactacaat 240

cagaaaacgc ctccctacta tgatgtgtca gccatgaccg tgccaa 286

<210> 4413
<211> 460
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<400> 4413
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tgggaatgta gccgaactgg cactgaaagc tactctggtg gagagctcta cttccggttt 120

cactcctagt ggagctggtg cctcagtatc catgattgcc agtagaaaac caacagatgg 180

cgcttcctca tcaaattgtg tgactgatat ttcccatctt gtcagaaaga agaggaaacc 240

agaggaagag agtccccgga aggatgatgc aaagaaagct aaacaagagc cagaggtgaa 300

tggaggcagt ggggatgctg tctccagtgg aaaggaagtt tcagaaaaca tggaggccga 360

ggctgagaat caggctgaga gccnaaacag cagaggggac cgtggantct gcagctacaa 420

ttaaaagcac tgcatgttaa gaggcgagca gaaccttcct 460

<210> 4414
<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<400> 4414
cttcagaaga tcagcctatc agggctgcag aaaagcaggg cactttaatg aaggtggtag 60

aaatagaagc tgaaatagac cctcaagtca agtcagcgga tgtgggaggg gaggagccaa 120

aagatcaggt agctacctct gagagtgaac taggtaaggc tgttcttatg gaactgtcag 180

ggcaagatgt tgaagcatca ccagtcgtgg ctgcagaggc cggagctgaa gtctctgaga 240

agccagggca ggagattaca gttattccca acaatggtcc agttgttgga caatcaactg 300

taggagatca gactcctagt gaaccacaga cttntgcaga aagactgaca gaaactaaag 360

atggctcaag tgtagaggag ntcaaggcag agctggttcc tgaacaggag gaagctatgc 420

tacctgtaga agantctgag gcagctggag atggggttga gaccaaggta gcccagaggg 480

ccacggagaa agcacctgaa 500

<210> 4415
<211> 399
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<400> 4415
agaactcccc agagaagttt gccctgaagc tgtgctcaga gctgggcttg ggcggggagt 60

ttgtcaccac cattgcatac agcatccgag gacagctgag ctggcaccag aagacctatg 120

ccttcagtga gaacccactt cccacagtgg agattgccat ccgaaatacc ggagatgctg 180

accagtggtg ccccctgctg gagacactga ctgatgccga gatggagaaa aagatccggg 240

atcaagatag gaacacaagg cgaatgaggc gtcttgccaa cactgcccca gncctggntg 300

atgaagacat ccatgctcga cctntacgga gcatctcaga ctngcctttc cttcctctgt 360

ggaaagagaa aggcaaaggg acagctggtg ccatcctga 399

<210> 4416
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<400> 4416
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agattaactt cttccaggac cacaccaaac ttatcctgtg ccccctgatg gcagcggtga 120

cctacatcaa cgagaagagg gacttccaaa cgtaccgcct gagcctcctg gaggagtatg 180

gctgctgcaa ggagctggcc agccgcctcc gctacgcccg caccatggta gacaagctgc 240

tgagctcgcg ctccgccagc aaccgcctca aggcctccta ggtctctctc cttcggactg 300

gtgccccttc actntgctag ctctgagcct gcactgtagg ctccttgggg gctgctgttc 360

agtgcccctg gcccntgggg gctgggcagg agcaggnccc cctttgaagg ggttgctgtg 420

tgtaagttat tttgtacatg tctgggtgtg ggtttacatc tgcttccctg c 471

<210> 4417
<211> 473
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (108)..(108)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<400> 4417
gagccagctg tcctaaagtg gatacgggag aatatatctg agtggagaaa ctgtactatt 60

gtctcacctg atgctggtgg agccaaaaga gtgacctcca ttgcagancg gctgaatgtg 120

gattttgctt tgattcacaa ggaacggaag aaggccaatg aagtggaccg catggtactt 180

gntgggagat gtgaaggacc gtgtggctat acttgtggat gacatggctg acacttgcgg 240

tacaatctgt cacgccgctg acaaacttct ctcagctggc gctaccagag tttatgctat 300

cttgacgcat ggaatctttt ctggccctgc catttctcga atcaacaatg catgctttga 360

agcagtagta gttaccaata ccatacctca ggaggacaag atgaaacact gctccaagat 420

acaggtgatt gacatctcta tgatccttgc agaagccatc aggagaaccc aca 473

<210> 4418
<211> 548
<212> DNA
<213> Mus musculus

<400> 4418
aatgtggact gaactgccct gtaagaattt tcatcttctt ctgtgttgtg ccatcctgga 60

atcagaaaag caacagataa tggcaaagca ctatggcttc aatgaaatcc ttaagcacat 120

caatgagttg tccatgaaga ttgatgtgga agatatactc tgtaaagcag aagcaatttc 180

cctacagatg gcacaatgca aggaattgcc acaagcagtt tgtgagatcc tgggacttca 240

ggacagtgaa attacaacgc cagattccga cactgatgaa aatgttggca gcccttgtcc 300

tgtatctgcg tttccaagta gcaccttgcc catccttgct gccagtgaag ccaaagatga 360

cagtccaaca cagacattag catccccgaa tgcctgcaga ttaacacctg catgatcatt 420

tgtcttacag tttttgagat actttgttgc aattccttt taagtacatg aaagatagac 480

attcacggtc ttggtattga tcatgcttta agttttatgg agagacagtg tactgatgtt 540

cttgcatt 548

<210> 4419
<211> 539
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<400> 4419
tattcactca tcttgcggaa aggcaaatga ccaagacagc ttgatttcag gaatattgcg 60

tgttttagaa aaggatgctg aagtaatagt ggactggaga ccattggatg atgcattaga 120

ttcttccagt attctgtgtg ctggaaagga ctccagctca gtcgtagagt ggactcaggc 180

tccaaaggaa agagctcatc gggggtcgga ccagcagagc agctatgaag cggagtggga 240

catggttact acagtgtcct ttaagaagaa accacacacc aatggagatg ctccaggcca 300

taggaacggg aaaagcaaat ggtcgttcct gttcagcctg gcagacctga agtcagtcaa 360

gcagagcaag gagggcatgg gctggtcgta cctggtcttc tgcctgaagg atgacgtcat 420

gctgcctgcc ctgcacttcc atcaaggaga cagcaaactg ctgatcgagt ntcttgagaa 480

atacgtggta ttgtgtgagt caccacaaga tagtagaaca cttctagtca attgtcaga 539

<210> 4420
<211> 425
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<400> 4420
atggagtgga tctcggccaa actgaagggg tcccagggca cagggaaaaa atttgttagc 60

gatgattcca tttgtgtcct gggaatttgc aagagagatc tcctgtttca accagtggca 120

gagctgaaga aagtcactga ctttgagcac aggatcccca aggagcagtg gtggctgaaa 180

ctgcggccca tcatgaagat cttggccaag tatgaggcga gctatgacat gtctgattca 240

ggcaagctgg agtccttgca gcaccatgaa gaactatgag ccnatctcat caagtctgcc 300

atcacctgac ctggaatgtt nctccaggga ccatcctttt ttgtaacata gttatttatc 360

agcactttat ggaagcnaag cattgttgac ggagtcagca gtaataatca gagagcacca 420

cttgc 425

<210> 4421
<211> 174
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<400> 4421
agccatgatg gcaagcttaa gaagagaggc ggtggtggcg gattcggcta ccagaaaaca 60

aagaaagtgg agaagtccaa gatctttaaa cacatcagta agaagccagc agaccgcagg 120

cagttctcac actgaggcaa tctnccttca gcctggactg actttgccca gctt 174

<210> 4422
<211> 475
<212> DNA
<213> Mus musculus

<400> 4422
tggagtcatc cccttgaacg agaaggactt cctcctggct gggaacgagt agagtcatca 60

gaatttggaa cctattacgt ggatcacacc aataaaaggg ctcagtacag gcacccctgt 120

gctccgagtg tacctcggta tgatcagcct ccacccatca cgtatcagcc acaacaaact 180

gaaagaaatc agtctctcct ggtccctgca aatccctacc atactgcaga aattcctgac 240

tggcttcagg tttatgcccg agcccctgtg aaatatgacc acattctgaa gtgggagctc 300

ttccagctgg ctgacctgga cacgtaccag ggaatgctga agttgctctt catgaaggaa 360

ctggagcaga ttgtgaagtt gtacgaggcc tacagacagg ctcttctcac tgagttggaa 420

aaccgcaagc agaggcagca gtggtatgcc cagcagcatg gcaagacgtt cttaa 475

<210> 4423
<211> 151
<212> DNA
<213> Mus musculus

<400> 4423
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aaagtcggag aggttgacgt cgagcagcac actttggcca aatacctcat ggagctctcc 120

atgctggact acgacatggt gcattttgct c 151

<210> 4424
<211> 366
<212> DNA
<213> Mus musculus

<400> 4424
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gtgaatggac accaactctg cagcactacc tatcctacag tgaagactcc ctgcttcctg 120

ttatgcagca cctggctaag aatgtagtca tggtgaactg tggcctcaca aagcacatga 180

ctgtcaagaa caagtatgca gcatctaagc atgctaagat cagcacgctg gcacagctga 240

actgtacact agttcagaat ttgtctaagg ccgtgacaaa ggcataactc caatagactg 300

ctacatctgc agatgcagtt ggcaccatgt gccgcctgta cataggatac ctaccgtgtt 360

tacttg 366

<210> 4425
<211> 549
<212> DNA
<213> Mus musculus

<400> 4425
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cagatcagca atatcaaata ccatgaggag tttgagaaga gccgcatggg gcccagtgga 120

ggagaagggg tggaaccaga gcgccgagaa gcccaggaca gcagcagcta ccggaggccc 180

acagagcagc agcagccgca gcctcaccat atcccgacca gtgccccccgt gtaccagcag 240

ccccagcagc agcagatgac ctcgtcctat ggtgggtaca aggagccagc agcccctgtc 300

tccatacagc gcagtgcccc aggtggcggt gggaaacggt accgtgcagt gtatgactac 360

agcgctgccg acgaggacga ggtctccttc caggatgggg acaccatcgt caatgtgcag 420

cagatcgatg acggctggat gtacgggacc gtagagcgca ccggtgacac ggggatgctg 480

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tccatggca 549

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<211> 390
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gctagaaatg gaaaagagtc ggtgcatccc tgagatgagc gattctgagt tttgtattcg 120

cattcctgga ggtggaatca caaaaacgct ctatgacgaa agctgttcta aagagatcca 180

gatggcagtt ctgctaaaat ttgtttcaga aggggacaat atcccagatg ccgtcagcct 240

tgtggagtac cttaatgaat ggcttcagat aatcaaaccc tgtaancgac ggccccatgg 300

catctgccct gccnttggaa gatccccagn ctcttggcgg ctgnntcttt ggcagtgggc 360

ttcctcccgc gctgttttga tctgttttca 390

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<211> 517
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctgggcagct tgggccctgc aggaagaagt gaagtcagac agctagggtg ggtcagtgtg 120

gctgattgtg ttggtattgt gtgtatgctg cttttctaac caagaggctg gttttggcat 180

ctatctcatt ccctgggaat gcggtggtta aatgtgtgat acaaaancag gnctggnaga 240

aacagaaatg aaggtcaaaa tcgctggcct gtacctacag gcnatagcna ncccaantcc 300

tcatntctng gggancctga aantntccag aacgcttgtg aacantgggg aatcaggtnt 360

gaaaatttaa aactaaaatn catgagactg agnccatcca ntnttntggt gtggcgggag 420

aggtggagcc atggtggtgc anccatccca gcgtgntctg ntcatggatg ggatggttgc 480

aatgttgaga aaatcccggg aattttatca acacaag 517

<210> 4428
<211> 177
<212> DNA
<213> Mus musculus

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atgaagaaaa ccaccggcct ttgttccata agggtcctgt gatcaaggtg aacagcaagc 120

agcggctacg cctctaatgc agtgtctgag tccatgattc gagaggtggc tggccaa 177

<210> 4429
<211> 551
<212> DNA
<213> Mus musculus

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<222> (75)..(75)
<223> n is a, c, g, or t

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<222> (329)..(329)
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<222> (431)..(431)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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attgacctca ttcgnctggc cattgcttta caggacagtg caattatcaa tgaagataac 120

ctgtcaatgt ttcatcgttg tgggatcatg gccctggttg cagcttatct caactttgtg 180

agtcagatga tagccgttcc agcattttgc cagcatgtta gcaaggttat tgaaactcga 240

actatggaag ccccttattt tctaccagag catattttcc gagataaatg catgcttccg 300

aaatctttag agaaacatga caaaaattna tatttttga ccnacaagat tgcggagtcc 360

ctgggtgnca gcgggtacag tgtggagagg ctgacagttc cttatgtgcc acaggtgaca 420

gatgaagatc nccttttctag aagaaaaagt attgtggata ctgtatctat tcaggtggat 480

attttatcca acagtgtncc ttctgatgat gtggttagca acaccgagga gatcaccttt 540

gaagcactga a 551

<210> 4430
<211> 392
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

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aacatcttgc tgcataagtc aaccattaac agggaggcta cccggttacg gagccgatgg 120

ctgacatatt tcatggccgt caagtccaat ggtagcgtct ttgttcgaga ttcctcccag 180

gtgcacccac tagctgtgtt gctcctaaca gatggggacg tgcacatccg agatgatggg 240

cgtcgggcca ccatctcatt gagtgacagc gacctgcttc ggctggaagg tgattcacga 300

actgtgcggt tgctaagggn antttcgtcg agccctagga cggatggtgg agcggancct 360

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<210> 4431
<211> 495
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

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gaactaggga agcaaatcca acagtatatg aaagtgatca gctctttcaa aaacaaggag 120

gaccagtatg aacacttgga tgctgctgac gtgacaaagg tagagaaaag caccaatgag 180

gcgatggagt ggatgaatag caagcttaac ctgcagaaca aacagagcct gacggtggat 240

ccagttgtca agacaaagga gattgaagct aaaattaagg agctgacaag tatttgcant 300

cctataattt caaaacccaa acccaaagtg gaacccccaa aggaggaacc aaaacatgct 360

gagcagaatg gaccagtgga tgnccaagga gacaacccag gctcccaggc tgctgagcac 420

ggtgcagaca cagctgtncc ttctgatggc gacaagaagc ttcctgagat ggacattgat 480

tgattccaac acttg 495

<210> 4432
<211> 224
<212> DNA
<213> Mus musculus

<400> 4432
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tcattttgaa acacgagaag ccctgccaac atgggacaag cagatccagt cactttgttt 120

ccaagtaaac aacctcctgg agaaaattag tcagacggcc ccggagtgga cagcacaagc 180

catggaagcg cagatggccc agtgagccct cagcgctgtg cgca 224

<210> 4433
<211> 433
<212> DNA
<213> Mus musculus

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<222> (356)..(356)
<223> n is a, c, g, or t

<220>
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<222> (359)..(359)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 4433
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ggaagagagt gaggctaagc gcttggccat catgatgatg aaaaagcgag agaagtacct 120

ttaccaaaag atcatgtttg gcaagcggcg caaaatccga gaggccaaca agctggcaga 180

gaagaggaaa gcccatgatg atgctgtgag gtctgagaaa aaggccaaga ggacaaggcc 240

cgtgtgagct ccagttgtcc ctcactgaga tttggacttg gcagaagcaa gctagtgaaa 300

cacacataca caccagccag cactctcata ctttggtggt atgtggctag ccccanccng 360

cctttgtggt tcatgccagt gcctgggcaa agagacctca acccaacnca gtttctttaa 420

tccaggagtc cgt 433

<210> 4434
<211> 441
<212> DNA
<213> Mus musculus

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<222> (54)..(54)
<223> n is a, c, g, or t

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<222> (57)..(57)
<223> n is a, c, g, or t

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<222> (61)..(61)
<223> n is a, c, g, or t

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ntatcacttg tccctggaaa tgaagagaaa tgaacccact atgttttggc cttaaaattc 120

tgtgaaattt caaaagtgtg aacttttttat tcttccaaag aattgtaatt cttcccacac 180

tgaagtctag agattacaga tctatccaat gggaggtcct ggaaggcatg cctggaaatt 240

gtcatgtttg tgccacattt cagttgagtt ctgcagagtt aatttaaata tgttcctcag 300

caacaacgta gtgtcatgtt aaaggagcga cctgcctccc cggtctgtac accgtgtcct 360

gcatgtccca gtccactttt ccatggcctt ttgttatatc agtctctgct ctagtgagag 420

ctttggtttt gcatcagagt a 441

<210> 4435
<211> 503
<212> DNA
<213> Mus musculus

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<222> (422)..(422)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (439)..(439)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggctaatgac agactcttac cacagcgtgt tttggaacaa cacaaactga ccaaagagca 120

gtgggaggag agaatacaga actggcatga ggaacacaga gggatgctaa gggaagattc 180

gatgatggaa tacttgaaga ttgcgcaaga tctagagatg tatggtgtca actactttga 240

aatcaagaat aagaagggta ctgagctgtg gctaggtgtt gatgctttag gcctgaatat 300

ttatgaacat gatgacaagt taacacctaa aattggtttt ccctggagtg aaatcagaaa 360

tatttcattt aatgacaaaa aattcgttat aaagccaatt gacaaaaagg cacctgattt 420

tntnttnnct atgcacntnc gtctgagaat caataaacga attttgncct tatgtatggg 480

aaaccatgaa ctgtacatgc gaa 503

<210> 4436
<211> 403
<212> DNA
<213> Mus musculus

<220>
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<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<400> 4436
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atagcccaac aactataaag tnggcgagga gggaccagca gagtcttgca taggagtgga 120

cctcatctac agtatttcta agcggtttcc tttgatgaag tgcctaaact tgtgcttttg 180

tatggtactc tcatgatgtg ctgctgttca catctgtttc tgctgttcat aggttgaagc 240

ttcgctaaaa gaacatttnc tatgaggatg ccnattttta agaactcaca ttcttttaaa 300

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cactgttaag agtgtcacag tgtgaagaat tgccctaccc tgc 403

<210> 4437
<211> 359
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 4437
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tctggctaac ctccttcaga ttcagcgtca tgatgactac ttggtaatgc ttaaggcaat 120

tcgnattttg gttcaggaac gtctaacaca ggatgcagtt gctaaagcaa atcaaacaaa 180

agagggctta cctgttgctt tagagaaaca tattcttggc tttgacacag gcgatgcagt 240

tcttaatgaa gctgctcaga tcctgcggtt gctgcacata gaagagctca gagagctaca 300

gacaaaaatt aatgaagccn atagtagccn gtnccaggcc atcattgctg atccaaaga 359

<210> 4438
<211> 551
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
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<222> (359)..(359)
<223> n is a, c, g, or t

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<222> (366)..(366)
<223> n is a, c, g, or t

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<220>
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<222> (464)..(464)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tagcttctgc aggtgagtgc agctgcatgt ccccacctgc cctttcctga gagtggacag 120

gtggaggagg agccatagcc accaacctct agggtggtct tcagatcacg atcatgctca 180

tcttcactgg caaagcactg ctcctccctc tgggccctgc tggacctaga agtgggaagc 240

agcagaggaa ctaggtgcaa gacattttgg aggacctagc ggcnangaag aagcctcagc 300

actctctggg agccatgtgg atatgncctn tccctgttcc tnccnacagt gactcagtnc 360

ctcttntccc aggagaagac acctcaggga gtncttgccc tgtaatgctc acgtccatcc 420

tgtaacctaa gagtcactcc agttgctcca gggtctgtat tctntcttgg gagnccaccg 480

ggtgttaaga ataagccccc aggcttctag tgagctgtgg ctntctgttc tctgtgtgtt 540

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<210> 4439
<211> 497
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (229)..(233)
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<223> n is a, c, g, or t

<220>
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<222> (258)..(258)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (439)..(439)
<223> n is a, c, g, or t

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<222> (441)..(441)
<223> n is a, c, g, or t

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ntncctcaac ttctcagatt ttatattttc tattcctctg tgtatttata taaaatatat 120

taactataac gtccccaggg accagagcac agggcagtgg tgctaggagg gctcttccca 180

gagcgacctt gtccatcctg ccaccccccc tccccccatt tgcgtgggnn nnnaaanaaa 240

acaaccagaa gagaaaantc ctgaactgcc aagtgcctgc ttaggagctc tgctaagatg 300

cccctgttaa acttttagg aggggtctgg gtntcntagg acccccttt caggcttggg 360

taatagcagc catttttaga ttggttctgt ttataccttc ccacccatct tgggcaaaca 420

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gcttcctttt tgagata 497

<210> 4440
<211> 464
<212> DNA
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<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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ccgttctctg ctcctccgcc tgcaggggcc atgatcccac ctcccccag tctcccgggc 120

cctcctcggc ctggcatgat gcctgccccc cacatgggag gccctcccat gatgccaatg 180

atgggccccc ctccgcccgg aatgatgccc gtgggaccag ctcctgggat gagaccaccc 240

atgggaggcc acatgcccat gatgcccgga cctcccatga tgagacctcc tgcccgccct 300

atgatggtgc ccacccggcc tggcatgacc cggccagaca gataagagca gaagcgctnt 360

tgatggtttt gtatttcttg ttctgttcca ccaggagctn ttggtgctga gcccgagtgt 420

ttactagatg catggaaagg aaacttccct tcctaactga atat 464

<210> 4441
<211> 137
<212> DNA
<213> Mus musculus

<400> 4441
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ccttatgtca ccatgggttc tggctccttg gcagcaatgg ctgtgtttga agataagttt 120

aggccagata tggagga 137

<210> 4442
<211> 368
<212> DNA
<213> Mus musculus

<400> 4442
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cacatctgta cgcacggcag ctgacattgg aacaactgca tgctgtggag atcagcgctg 120

tgcactcacg ggaccacggt ctggaggtcc tgggccttgt acgggtccca ctgtacacac 180

agaaggatcg agtaggcggc tttcctaact ttctgagcaa cgccttcgtc agcactgcca 240

aatatcaact tctatttgcc cttaaggccc tggaattccc gagacgcgtg ccttctagtg 300

tgtttgcttt tgcatccctt ctgactgcaa gggacatgca ggcagctgtt catcattact 360

gtcccaag 368

<210> 4443
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctctttagaa aacattactt ttgaattaga ggctttatca gacatggact ttctctttat 120

agaaatgctt tagagaaaag ccccttccat ctatcatgac ttactaacat ctaccacagt 180

ttatcagcat ttgaagattt ccttgatgat ccatacttgt cttgggatag ggtttgttta 240

tagggaggag tctggaaatt tcagtatgaa tgaaaactag cnaggcaatg gtgagatgcn 300

agtaaaatcc tnatctaatg tttacctgat gccntaccta gtgaagagtt aatgaagggc 360

nagaangcct tctgcttgct ctcatgagtt tgctcaactg gcagtttgct cagttgatat 420

gaatcatgct aggtattatg aaagtttcta tgaaacattt aantcaattt taacaataca 480

tgattctggg aaagaattgt tccatgctnt catgattatg cggaaaccca aaagattact 540

t 541

<210> 4444
<211> 376
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttcgtgacg ctgccttttt atacactgtc cttcttcctc gatggaccct aactgatgcc 120

cctnccttgg ctggacttan cccttccact ctgccccaca gacaaactgt tcccagttac 180

tctaaccaac atttcattta gcttccacgt atattttctn acctaagaga atagtttcct 240

gctttaanca aaagacctac aataggtggt ggaattatag gttggggtgg agtgttgata 300

taaatatata aatacaaatg tatatttttc aggatgtggt ttaggaactg ggaataacgt 360

tttctgttac tcctga 376

<210> 4445
<211> 562
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (321)..(321)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

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<222> (331)..(332)
<223> n is a, c, g, or t

<220>
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<222> (344)..(344)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (434)..(434)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (469)..(469)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (498)..(498)
<223> n is a, c, g, or t

<220>
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<222> (515)..(515)
<223> n is a, c, g, or t

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ccaagagtgc aggaccnttt ctgactgcct ggaggatgtc tgggagagaa ctaagcacca 120

ccctttgcct ctcgggagaa gcagcctccc tgtcccctag ggggacacaa gggttggcct 180

ttccatcctt ccagtctccc ggctctgtga gtcaggccag aggtggggca agagagtggg 240

aggtggccca ctncccatca ccccccctgcc actcaaagcc agtctcactg tgaaccactg 300

ggacctcagc agaggagggg nctgnccngg nncctggtgg gccntcgggg tnccctcanc 360

cccngcaccc agcacttgaa cccttcaccc tctcccctgg ctggcacctt ccctcctntc 420

caccccctgca actntgcgga ggaacctntn gtttgtaaga tgtattctnc agattggtgg 480

agggggacca agncaatncc cagggtctgg ctttntcctg gtttcaagat tttgggagaa 540

ctgggtcaat aaagtgtact ac 562

<210> 4446
<211> 461
<212> DNA
<213> Mus musculus

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<222> (53)..(54)
<223> n is a, c, g, or t

<220>
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<222> (305)..(305)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (413)..(413)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaccatagca accagaatcg ataggcagtc catccacagc caggagatgc tgggccagct 120

gctccaggag gtctccttta tggcagtgat gaaagcctga cacgagaccc tgtgtgccag 180

ccatggccag agtggctgct gcccctgtgc ccagcatcca ggtgcatctc cagccagcta 240

caagccagct tctcgtcagc tctggaggtt ggctgtggac cttggggcta aaatagggtg 300

ctttntcctg gattgaagac atctcgggtc cantgggtgc tncagggcgg ggnctagaan 360

tcccaagtgg tatnttcatt ccttagtgaa ggccaggaga ttcctggggc ccnggtttnt 420

tgtggaaagc tttgcagaat ccacataacc ttcttgactt c 461

<210> 4447
<211> 344
<212> DNA
<213> Mus musculus

<400> 4447
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gactttgagg ttcggcacgg caatgaggat accatcaggg agatgctgag gatacggcgg 120

agtgtgcagg ccacatacaa tactcaggtc aacttcatgg cttcacagat gctcaaggtg 180

tcgggcagtg ccacaggcac cgtgtctgac ctggctcctg ggcagagtgg catggatgac 240

atgaagctgc tggaacagag agcagaacag ctggcagctg aggcggagcg ggaccagccc 300

cccagggccc agagcaagat cttctttgtg aggagtgatg catc 344

<210> 4448
<211> 175
<212> DNA
<213> Mus musculus

<400> 4448
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tatttttagc ctagatctaa ccattttcat actcttacct gaaagattca cagaagtgtc 120

aagtgctatg cattgaaact tgtttttttaa acattacctg gcactgtgta tatta 175

<210> 4449
<211> 328
<212> DNA
<213> Mus musculus

<400> 4449
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cagcgttcat ttgctgagac tgttcgagac tgttgctgtg ttgaagtagg aatagaattt 120

gcaacccttt gagcaaagct gggtgatgag ctgaaagaac gcgggcgtgc atgttgcctt 180

ccctgtaaat agccttagct atcatttcct agtggaaaac actgtggggt aggaacgctg 240

caacctgggt ataaatatta tgcctttatt tttggctaga gaaaagttat ttttagccta 300

gatctaacca ttttcatact cttacctg 328

<210> 4450
<211> 535
<212> DNA
<213> Mus musculus

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<222> (128)..(128)
<223> n is a, c, g, or t

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<222> (197)..(197)
<223> n is a, c, g, or t

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<222> (218)..(218)
<223> n is a, c, g, or t

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<222> (505)..(505)
<223> n is a, c, g, or t

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cgacagtgaa aaggcaggag accgagaggt gcagaggacc atgctggagc tactgaacca 120

gctggacngc tttcagccca acactcaagt gaaggtaatt gcagccacta acagggtgga 180

catcctggat ccagccnctg ctgcgctcag gccgcctnag accgcaagat tgagtttcca 240

atgcccaacg aggaggccag agccagaatc atgcagatcc actcacggaa gatgaatgtc 300

agtcctgatg tgaactatga agagctggct cggtgcactg atgacttcaa tggagcccag 360

tgcaaggccg tgtgtgtgga ggcgggtatg atcgcattgc gcaggggagc cacggaactc 420

actcatgagg actacatgga gggcatcctg gaggttcagg ccaagaagaa agccaaccta 480

caatactatg cctaggggac acctntagtc tgtccgctgg tctgagggct aaagt 535

<210> 4451
<211> 85
<212> DNA
<213> Mus musculus

<400> 4451
tggattcacc ctcagtgacg gatgtgagaa aagagttaca tgcgaatatg agtcagtcaa 60

cacgttttgc atggttaagt taaag 85

<210> 4452
<211> 575
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

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<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (515)..(515)
<223> n is a, c, g, or t

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aataacgtca tacacaataa tgaaggttat ggtgttgttt tggtgaagcc tacaattttc 120

tgtgatctac aggaaaatac acaagatgaa attaatgaca atatggttca gaaaaataaa 180

gaggcagatg tcactgaagg attagatctg gaagaaatgc ttcagtgtgt ggctagcaaa 240

atggagcctt atgccacagc tgactttaat gaacaagcta agggaaactg tgaaattata 300

natgaactac ttgctatttc catncaaaaa ggccggatga agaaaagact gagtgaactt 360

gggattacac aagctgatga caacataatn tcacaggaga tgtttattga aattatgggg 420

aaccagttta agtggaatgn caaagggagt tttggcacat ttctttacta gctacaataa 480

tatcaatact cacaaaatac tgtattttga acatntctta agtatgctgc ttatatactt 540

tgcttcattt gcttcatggc tgtgtattat ataaa 575

<210> 4453
<211> 431
<212> DNA
<213> Mus musculus

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<222> (129)..(129)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ccataccctt gtaataacca gactgagcca gtgagaagct gtgcctgcca ctgctgcctt 120

ccagccacnt gaactggcct ggcccctacc tcctgtttcc atcattttga tcttgtggga 180

ctcgggctgg gggagcagag ctgtgcctca gctgtccctg cagntcttag accctcggtg 240

acccccttctt tctccagggg aacaggcagg aagacaaccg tgctgaaatg tgaaatgtga 300

tggggctcct acttgacatt tccttttttat gtatgctgtt ctgttacact atccataaga 360

gaaaactcgg ttttatagtt acattttcag atgttgtgta taagaacata actgttttca 420

tgggtttcaa c 431

<210> 4454
<211> 349
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (112)..(112)
<223> n is a, c, g, or t

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<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

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caagcctgag tggactcaca cagaacccct tcccnggtcc cattctgatc cnagggtggg 120

aaggaagggc ctgccagcct cccccaggga caagccagct ggagctgtgc tcctggtgcc 180

tcatgactgg ccacccacca ccctgtagac gccatccctg cccacctccg aagcctcctt 240

ctgttgccat tttgctgagc atngttggnt cattgtcatt gtcatctgtg gctgtcctgt 300

caccttttctt caagtgtcct gtgcagctgc catgctgcac ttaatgagg 349

<210> 4455
<211> 86
<212> DNA
<213> Mus musculus

<400> 4455
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catggcctgc tgcatgttgt accggg 86

<210> 4456
<211> 161
<212> DNA
<213> Mus musculus

<220>
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<222> (90)..(90)
<223> n is a, c, g, or t

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catggcctgc tgcatgttgt accgggggggn atgtggttcc caaagatgtc aacgcggcta 120

ttgcaaccat caagacaaag cgcaccatcc agtttgtaga t 161

<210> 4457
<211> 483
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (383)..(383)
<223> n is a, c, g, or t

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<222> (428)..(428)
<223> n is a, c, g, or t

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aggagtggga tgaggaaaaa catcgcaccg tttcagaggt agctccttta atatccagct 120

ctgcttccag ctgtgggtag aaatgctcag aaaatcagat ttgagtcttc acaggggaaa 180

cttcactatg aggataattc ctaaaagaca aaagatgtat ctgatctaaa gaaacaccag 240

agtattatta ggggaattta tataaaattg tgattttngt catggaacag gcagatgttt 300

tggtcctaag tattttagct ttgcctttct gtagttgcag tatgtgatag gaatcagtga 360

ttcctgacac agttctttgg ccngccataa gaccgtgaag taagcagtta tgttcagacc 420

ctacccgntc cccattcctt ccaaagctat tgcagatgaa ttgcggagct gtttattcat 480

tta 483

<210> 4458
<211> 499
<212> DNA
<213> Mus musculus

<400> 4458
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caggaaactg gattctttaa gctaactgac tatggtcttc aagagatttc aacctgccgg 120

cagaaaggct ttcaccccca tggcagagac ccaccgctgt tctgtgactg cagccatgtc 180

actgtcaagg acagaattgt gacgatcaca gaccttcgat aaatctcaaa tcatgaacca 240

gggagatgga tcactggaca aatgtgaaaa tgaccaaatc acaccaagca actaactcaa 300

aaattaggat gcaagagaaa atacttctct agatccaaac actggccttc tgttcctctt 360

gaaatttacc tcccaacttg ttcatctctg cctttggact aaataggggc atctgtgcaa 420

aactgtagaa gccattttga aggatttggc tttttattgt ttgtggcatt aataagggag 480

cttaccattc tggtgggat 499

<210> 4459
<211> 527
<212> DNA
<213> Mus musculus

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atgatgatga cgaagcggag gaagacagag gcgcgtgggg tcgagagagc tatgcgtttg 120

atggttctca gcctccagag gaattcggtt tcagcttcag ccccagggga gggatgcgat 180

tccacggcaa ctttggcttt gatgatctat tggatgatac atggcctgtg agtccccatt 240

ctagagccaa agaggacaaa gatcttgact cccaggtttc ccaggaaggt ctgggtccac 300

ttcttcaacc ccagcccaaa tcgtatttca aaagtatctc tgtgaccaag atcactaagc 360

cagatgggac agtggaggaa cgccgcactg tggtagacag tgagggccgg agggagacca 420

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cagctttgga tgatcccttt tccattctgg atttgctact aggacgt 527

<210> 4460
<211> 530
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (417)..(417)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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cctgcttctg acccaagatg gcctcgtgac tagacctgtt tttaaggaag cgctgtctgt 120

ttttaagtat tcttaaaaac gttttggaaa gcacttcaga ttttactgtt taccatgagc 180

catgggtttt tgtttttttct aaattgtcgg gttgtgtggg ttttggttac tcgtttttgt 240

tttttcaggt tttttggttg tggcttttct ttttttttct ttttttgtgt ggtcgcccct 300

gaagtctggc gccccacccc tcctgagatg gaatggantc gatttgagca agccatggcc 360

ctccagctcc ccagcccggc tgcggagttg cagcaggtcc tgcccatcgg gcacatntnt 420

caagcccatg gggagcatag cantccggga ggctgtggaa atgtttattt atattntcct 480

tttttaccga agacatgcat antccatcga tgttgtattc acagtggctg 530

<210> 4461
<211> 465
<212> DNA
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<223> n is a, c, g, or t

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<222> (111)..(111)
<223> n is a, c, g, or t

<220>
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<222> (289)..(289)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcaggctgag ttcaatcctg gaggccatgt ttcacacttc cctaccaagt ctgagcaggc 180

gtggcaactt gagagaaaaa ctcagtacct agtcccaaga gaaccaatgc gacggtgcca 240

tcagagagga gcagtgtcgg tgtggtgtgc agagctggtg gttcccagna gcnaccattc 300

cctgacctcc tnnccanaag tnaacacnan caattcttna gagattataa cgagtgcatt 360

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catgggatat gctggaggtg ggaagcaagg aagtagttcc ctcca 465

<210> 4462
<211> 368
<212> DNA
<213> Mus musculus

<400> 4462
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gccagctccc cagctcagca cacagagaca cctggcacct gctgctcatg aagaagtgca 120

caaggcacaa atgtgtacac ttcccatggg accacagacc cagctcagct ctgttgaaga 180

ccaagcacaa aggccttgaa gagtggacat tcccaggtcc ctggcacctt cccttgagcc 240

agctccattg ctacttattc atgtgactga agctgaccac aggcagctgg caggtccttt 300

tttcaaccag caggctaggc tggccataga cccagctctg cctcaccctg ccatgttcca 360

gtaatgga 368

<210> 4463
<211> 344
<212> DNA
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cctcaatctg gccatgtgtc acctgaaact gcaggccttc tcagctgcca tcgaaagctg 120

caacaaggcc ttggagctgg acagcaacaa cgagaagggc ctgtttcgcc ggggagaggc 180

ccacctggcc gtgaatgact ttgacctggc aagagctgac ttccaaaagg tcctgcagct 240

ctatcccagc aacaaagccg ccaagaccca gctggctgtg tgccagcagc ggacccgtag 300

gcagctcgcc cgggaaaaga agctctatgc caacatgttt gaga 344

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<211> 214
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<213> Mus musculus

<400> 4464
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gggagaaacc ctataagtgt aaggagtgtg gcaaagcctt caaccatagt tcaaatttta 120

ataagcatca tagaatccat actggcgaaa agccctattg gtgtagccac tgtgggaaaa 180

ccttctgtag caagtccaat ctgtccaagc atca 214

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<211> 494
<212> DNA
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atgccggcac atcacagact acaagacccc cgagtctacc tgcagccttt cctctccttt 180

cctgagagcc ctaaaaactc agacattcaa agatgccctc tgctgcccac tgctggaaca 240

gccgaacatt gtgcatgacc tgtctgcagc agttctgagc tactgtcaag tatggaaaat 300

ccctgcggtt ctgtatctgt gctacactga tgtgatgaag ttggaccgtg tcacggttga 360

agcttttaaa ccgttacttt cttccaggag cttgaaatgc ttggtgaann aacattcctg 420

aaagcacaga aattnnctgn aagaagttga tgaccacaaa tgagattcag agcaacattt 480

acacatgacc ccag 494

<210> 4466
<211> 278
<212> DNA
<213> Mus musculus

<400> 4466
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accacctgcc ctccagctcc caggagcacc tacagtttcc agtttcagtg cagtgtggga 120

ggctgctact gaagatgatg gggcagtggc tgccaggatc actgatggct tagaactgtt 180

gtcctgtgga gagcttagaa aacttgaaga gttagcagag ccagggtggc ttgtgctctg 240

acagacagtg cctgttttcc tcatgaaagt gccagtgc 278

<210> 4467
<211> 364
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cacctgtaca gctcatgctt ccccccctgg gtcttttctc tgagcaccac tctgagaaga 120

gttgcttcag gcagtggccc aataagtctt aagtccaagg tccaaagacc aggatgcaga 180

ggagtcaagg gtgtcagcca gagcaacccc ggcagccaca ntgtgtgcac tcgatgatgc 240

gacccntgaa acagaagaag aacatttgaa cacactgcta cagcccntgc nacactccct 300

tncagagcat cntntactgg acacttntac ttgggcntct cagctccttt gtgacgtgga 360

acag 364

<210> 4468
<211> 302
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (162)..(162)
<223> n is a, c, g, or t

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<222> (192)..(192)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttttatgct gctcagccag acaaaggtac actaggaggc agcaactgcc ccttnccaga 120

caaccgtggc tgtgctgagg aagcctagcc tgcagctcat tntggctgcc agtgtggcct 180

tggtagctgg antcttggcc tggtactaca tgtgaaggac ctgtcatgtt gtttgcatcc 240

taccccaagt gacctgttct atccccatnt ccacctctgc ctaaaactac cacctcaggt 300

ga 302

<210> 4469
<211> 521
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcagaatatc tcaaaggcat tggagcacaa agaggaagca ttcaacagag ggtccatgaa 120

cccaggcgtg gtctccggtg gcaacacaga ccagaacctc atgacagtcc ctggtagctt 180

caacagctac gcatatcatg gcaacacaga ccagaacttc atgacggtcc caggtanctt 240

caacagctan tcatntcatn gcnacacaga ccagaanttc atgacgntcc caggtagctt 300

cnacnagcta ntcatntcag gatnttcctt actaccgatc aataccagaa gacggtaacg 360

acagccagca gtaatagant caaagcaatt atgcaacntc aaagccacaa cagaagaaga 420

ccacaaccaa gaagctcact gttnctgtgg tnctgataca agagcaagaa ctagcccntn 480

tctttntntg tggcttactg tttttggtta tacatgcctc c 521

<210> 4470
<211> 105
<212> DNA
<213> Mus musculus

<400> 4470
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gtggaagatt tctgcatgaa gattcacaaa aatctcatca aagaa 105

<210> 4471

<211> 482
<212> DNA
<213> Mus musculus

<400> 4471
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gatggcgccc tctggtggag aagaatccac aaagcatctt gaagccccat gctcctactt 120

acaatgatga gggcctttga gagactggtc cctccggaca gctggctggc tggctttgag 180

gaccttccat ggaagaagtg cctgtttgcc ccaggaccct gaagaaggtg gcctgaactg 240

acttgtgaac agtacctgtt gaatactcag cccactcgtg ttgagtttct tcttcctgat 300

ctggtggggt tactggggag gtcctcttgc tcttctgaca ggtcccctcc ctcaagagaa 360

gccccaggca cacttcccaa gtcccctcag caccacacgt gactgagagc tttttccgaa 420

ggctgaggaa gggatgggta ggttagaagg gggtgccttc actcagaaac ccctgtgctt 480

gg 482

<210> 4472
<211> 534
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctgctcgagg ctctggcttc caccgctttg ccttcttgct cttcaagcag gacaagccaa 120

tcaacttctc agaggacacc cgtccctcac cctgctacca gctggcccag aggacctncc 180

gcacttttga tttctacaag agacaccagg aagccatgac tccagccggt ctggcttttt 240

tccagtgccg ctgggatgac tctgtcaccc acaccttcca ccagcttcta gacatgcggg 300

aacctgtgtt tgaatttgta cggccacccc cttaccaccc caaacagaag ngcttcccnc 360

acgagcagcc cctacgntat ntggaccgat acagggacag tcatgagccc acntatggaa 420

tctactgaga gactcagtac attcatctcc gagggggaac tgtcncagca gctggaaggt 480

cacacctccg gagagnncca tctgaagcca actgagacag tcccatgctg gcct 534

<210> 4473
<211> 342
<212> DNA
<213> Mus musculus

<400> 4473
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attgacgatc tggcagacct cagctgtctg gtttaccgag ctgatacaca gacataccag 120

ccgtataaca aagactggat caaagagaag atctacgtgc tcctccgtcg gcaggcccaa 180

caggctggga agtaattgag tcggaagcat tggggctggg ggtggacttg gaacaggtac 240

atacagcgtg ctgtagtgaa ccttttgtat gatagcgatc ctgtttcaac gttgttacac 300

tcaagccaag attgaatgtc tgacatgaac cgtgaatgat ct 342

<210> 4474
<211> 407
<212> DNA
<213> Mus musculus

<400> 4474
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gggcagcagt gctcgccaca tggtcatgca aaagctactc agaaaacagg agtctacagt 120

gatggttctc cgaaacatgg tggaccccaa ggacatcgat gacgacctgg agggagaggt 180

gacagaggag tgtggcaaat ttggtgctgt gaaccgggtc attatctatc aagaaaaaca 240

gggcgaagag gaagatgcag aaatcatcgt caagattttt gtggaattct ccatggcctc 300

agagactcac aaggccatcc aggccctcaa tgggcgctgg tttggtggtc gcaaggtggt 360

ggctgaagtg tatgaccagg agcgttttga taacagcgac ctctccg 407

<210> 4475
<211> 296
<212> DNA
<213> Mus musculus

<400> 4475
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agaggggatc cgaggcccag tgctgcctgg agaactgaga atagacctct gttgttgacc 120

cttcctcagg ctggagcctg ggtgttggaa gggagagact gtcacccagt tgtcatgtct 180

tttggttgtg agcctatgca ccttaccttt aatggttgaa ccatcttttc agcccaaaca 240

gtttatttct aaaaagtaga tttaatgcta ggggccatta tgcaggcttg taatcc 296

<210> 4476
<211> 572
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (411)..(411)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttaacccatt cattcttagt gtgaattttc taaaatagaa gtataaaaaa aaagtctcta 120

taatctgata ggaaaccgtc ttttcccaag tgaattccct tttattcatg agaacaaaag 180

tacttagata ctataaaacc ttaatttccc caacttttaa aataaaatgg aatatttgct 240

gaatgaatta agcatagaaa atgtcaaccc atcagaatta tatttataca tattggtgga 300

taagttcttn tcttcccnac atcagagaat ttttttttaa accnaaatgg gcagnanagc 360

attttgtatg ttagagacca ttcttttcta ntccttccna acattcctgt ntcacttaag 420

aatgttagta gaggtcgcnt tctttggaaa ttgaggactt ttttttttnc ctttgaaagt 480

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tcttttagat gaaaagcatt ctgtgtgatt gt 572

<210> 4477
<211> 374
<212> DNA
<213> Mus musculus

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<222> (334)..(334)
<223> n is a, c, g, or t

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caaaacccat aaaaacaaca aaagcaaact aagtcaagaa ccgtagtatc tgtaggcact 120

tagttaagta tagcaactca aaccagacct gcatccatcc gagacaaacg ttcctccttc 180

acccttgttt ttacttgaaa ttcgctagaa gaaatggcga gcagacatct gttccatgca 240

ctagttaatg ctactggctc agcatataca agttagcttg ctttaggcaa gggacctttc 300

ttgtgatgga cgtgcactac gaagtgagat ggantcctgc tccgtgcagg aggcccttca 360

ttattgctgc agaa 374

<210> 4478
<211> 405
<212> DNA
<213> Mus musculus

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cactctttga ctccagtggc tcagtcagat ccacttgtga gaaggcagcg tgtacaagat 120

cttatggcac aaatgcaagg gccctataat ttcatacagg attcaatgtt ggattttgaa 180

aatcagacgc ttgatcctgc cattgtatcc gcacagccta tgaaccctac ccagaacatg 240

gatatgcctc agctggtttg ccctcaggtt cattctgaat ctagacttgc ccaatctaat 300

caagttcctg tacaaccaga agccacacag gttcctttgg tttcatccac aagtgagggg 360

tatacagcat ctcagccctt gtaccagcca tctcatgcta cggag 405

<210> 4479
<211> 461

<212> DNA
<213> Mus musculus

<400> 4479
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gatgatatgt ttcattggca ggctacaata atggggccaa atgacagccc ctatcagggt 120

ggagtatttt tcttgacaat tcatttccca acagattacc ccttcaaacc gcctaaggtt 180

gcatttacaa caagaattta tcacccaaat attaacagta atggcagcat ttgtcttgat 240

attctacggt cacagtggtc tccagcacta actatttcaa aagtactttt gtccatctgt 300

tctctgttgt gtgatcccaa tccagatgat cctttagtgc ctgagattgc tcggatctac 360

aaaacagata gagaaaagta caacagaata gctcgggaat ggactcagaa gtatgcgatg 420

taattaaaga aattattgga taacctctac aaataaagct a 461

<210> 4480
<211> 506
<212> DNA
<213> Mus musculus

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<222> (68)..(68)
<223> n is a, c, g, or t

<220>
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<222> (324)..(326)
<223> n is a, c, g, or t

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ccttaagntg gagtccatcc aatctcaaac agtcataaaa agcaaggtga agaacgtgaa 120

gctgtttcta tattcatttc atcctgaagg acctacaact taggtgaaag ttatgaccaa 180

acagattaaa ctacatgctg tgctttaagg tctaaggtta acggatcaac atttaaatgg 240

actggagctg ttagtacata aagtgtggtg ggctttgttc ccaacacttc acatctccct 300

gccctttcag ccttcctcct tttnnnagcc cctttccata atctttggtt tgtatgtggt 360

ttctcagtta atacatagct aatagctctt atttttctta tgtttttaac tgctttaggc 420

ctatttcgat gtaagggtgg agatgtattt gatggaaatc cgtgtgtata tttaagaccc 480

tgttgctcct ctggagcttg tacgtt 506

<210> 4481
<211> 428
<212> DNA
<213> Mus musculus

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<222> (360)..(360)
<223> n is a, c, g, or t

<220>
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<222> (375)..(375)
<223> n is a, c, g, or t

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gcagattcac tgtatgtgga ggaagtagat gtgggagaag cagccccgcg cacggtcgtc 120

agcgggctgg tgaatcatgt tcctctagaa cagatgcaaa atcgtatggt ggttttactc 180

tgtaatctga agcctgcaaa gatgcgggga gttctgtctc aagccatggt gatgtgtgcc 240

agttcaccag agaaagtgga gattctggcc cctcccaacg ggtccgttcc tggggacaga 300

attacttttg atgcttttcc tggagagcct gacaaggagc taaaccctaa gaagaagatn 360

tgggagcaga tccancctga cctgcacacc aatgctgagt gtgtggccac atacaaagga 420

gctccctt 428

<210> 4482
<211> 217
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (50)..(55)
<223> n is a, c, g, or t

<220>
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<222> (57)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(89)
<223> n is a, c, g, or t

<220>
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<222> (91)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(117)
<223> n is a, c, g, or t

<400> 4482
caaaaagctt ggtgagaaga gatttggggc ctcgggcttg gcagatgaan nnnnncnnnn 60

nnnnccnnnn nnnnnnnnnn nnnnnnnnnc nnngnnnnnn nnnnggnnnn nnnnnnncat 120

gcctttcctt gacatacaga aaaagctggg catcagcctg gaccggcact ttatgttcct 180

aagcgcagaa cagccctata agaacgccgc tcggtgc 217

<210> 4483
<211> 378
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)

<223> n is a, c, g, or t

<400> 4483
gaaacccttg gcaccagttt gtagaaaata atctaatatt aaaaatgggt ccagtggata 60

agcgaaaggg tttatttgca agacgacgac agttattact cacagaaggg ccacatttat 120

attatgttga tcctgtcaac aaggtcttga aaggtgaaat cccatggtca caagaactcc 180

gaccagaagc caagaatttt aaaactttct ttgtccacac gcctaacagg acgtactacc 240

tgatggatcc aagcgggaat gctcacaagt ggtgcagaaa gatccaggag gtttggagng 300

cancagtacc agancaatcc agatgctnct gtgcagtgac gtgncctgcg nccgggctgc 360

ctattgctgc caggatac 378

<210> 4484
<211> 328
<212> DNA
<213> Mus musculus

<400> 4484
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acacacagaa cgctgaaatg aggccactcg gttgttgtat gattttaatc ggtatcgatg 120

aagagcaagg ccctcaagtg tacaagtgtg atcctgcagg ttactactgt ggctttaaag 180

ccacggcggc aggagttaaa caaacagagt caaccagctt ccttgaaaag aaagtgaaga 240

agaaatttga ttggacattt gaacagacag tggaaactgc aattacatgc ctgtctactg 300

ttctgtcgat tgacttcaaa ccttcaga 328

<210> 4485
<211> 447
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<400> 4485
aaaggttgca gttatctgtc cagaaaccag atcaagttat caaagaggat gtctcggaac 60

taaggagtga actgcagcgg aaggatgcgc tggtccagaa gcacttgaca aagctgaggc 120

attggcagca ggtgctggag gacatcaatg tgcagcacaa gaagccggct gacatgcctc 180

agggatcctt ggccttcctc gagcaggcgt ctgccaacat tcctgcacct ctgaagcaga 240

cctaagcact cctgcctgtc ttgcagcctt gcagtcttgc cagacacgtt tccttacaga 300

cctggtgtgt tggaaggant ctgttggata atgagtttgt atcagtttct gtccctattt 360

ataaggtagg gtttcattat gaagccggga agggccttga atctatgatc ccctgcctca 420

gntcctctag tactctaaac tcctgaa 447

<210> 4486
<211> 428
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<400> 4486
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atgcctgtan gncctttggg agcagaggcc ctcaggactg ttttgggacc tgtagttgtt 120

ggcctgggca atggctggac tatgcgatta catccatgcn gagatctgca ggcccccatg 180

tccttggctg acactagctt caccaaacta gtctatagct gaggggatag cctgcntcct 240

gattccttga gataatagca gccttaacct ttagcctata ggctttcgtc cancctagt 300

cacttnctgc cccaggtcaa caggctgctn tcatagccac accacacagg agctggccag 360

tgctttntna tcgagactga cccacacatg ctgtgttgtg tnccttttgt gacactgtgg 420

tttaccgg 428

<210> 4487
<211> 503
<212> DNA
<213> Mus musculus

<400> 4487
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tatcacagcc aactacacct acctaatggc cagccccaga gctgcgtgga ccagcagcag 120

ctcctgcctc agtgcccgct cctttcctgc cactgctgct gcttctggct tgcctctgta 180

ctgtgtggtg tggagggcac taagtatcac tgaggagcaa caaggagaga cctctgctgc 240

cccgtgagcg agcggtgctg ggttttgacc tgggcagtgg ccagtgtggc tggcggtcat 300

gactggtggc tgtgtctggt ccgttgagtg tagagctgag aagaggcagg atttggggtt 360

gaggtgagtc atggcctctt gctggaaagg tgtgttgggg tgtgggtgtc atctcaccct 420

cgtccccact cctccggcct ggaatgtgaa gtgactcccc agccccttg gctgtggcag 480

tgtatggact gggctgccac tgt 503

<210> 4488

<211> 517
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<400> 4488
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gatgaggcgc agctggatga ggtggtggag tacctgcagg gcgtctgcag agacatggac 120

ggccaggtgc ctgagcgcgg cagtggagac cgcattcgct tcatcttgga tgtgctgctg 180

cccgaggcaa tcatctgtgc catttccgcg gtggaggcgg tggattacaa gacagccgag 240

cagaagtaca ttcgtggccc cacacttagc taccgggaaa aggaaatctt tgacaatgaa 300

ctcctggagg agaggaaccg acgccgtcgc tgatgccgca gtctgcacct ggccggccag 360

cactgggtgt gacctgccag aggccntcca ccaggcctag gagtgtgaga actttgacct 420

gtgcgtgggt tntacgtnct tcagcctaag tctgggagat cagatgccat cagatncctg 480

ctnccatcta tgaacagctg ctttctggaa gtttctg 517

<210> 4489
<211> 409
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<400> 4489
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agatcgtcta cttcctccct ttctgccact cagagctcat ccagctggtc aacaaggaac 120

tgaacttctg ggccaagaga gccaagcaga ggcacaacat cacactactg tgggaccgcg 180

aggtggcaga tgtgttggtt gatggctaca acgtccacta tggtgcccgc tccattaagc 240

atgaggtaga gcggcgtgtg gtaaaccaac tggcggcagc ctatgagcag gacctgctan 300

ccaggggtt gcaccctgcg tatcactgtg gaggattcgg acaagcacct cctcaagagc 360

ccntgagctg ccctcacccc aggctgagaa gcgtccacct acattgcga 409

<210> 4490
<211> 560
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (534)..(534)
<223> n is a, c, g, or t

<400> 4490
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ggcttttcca gacattcact acccccttct cccttgtgcc gtagtctgtc tccggggact 120

gggggaggag tccgaggtgg ggttagctac ctgtcccgag gggaccctgt gagggtcctt 180

gctcgaagag tgcggcctga cggctctgtg cagtacctag ttgagtgggg angggggggg 240

catcttcctg acagcctgct tctgctcccc tccccattca cacactggca ctttcatgcc 300

ctngacctct gacctcacct acagctggga tgtacctgga gagatgggga gtggttntcc 360

ctcctnccca ggctggaatc caggggagtg aagagntcct nttntctncc ccttcatgac 420

tcctaatngc ccccctcat ttcctttgat gttattttgt tacagctttt gagataattt 480

tttaagacta tttaacccct gggattagag attgggggg gggggtttgg gtgntccagg 540

attccagact gtatgactgt 560

<210> 4491
<211> 130
<212> DNA
<213> Mus musculus

<400> 4491
ctgtcttcca ccattggcag attgtcccag gcgatcctct ggacaagagc attgtcattc 60

gcccgctgga gccacagcca gctcctcacc tggctcggga gttcatgatc aaaacccgtc 120

gtaggaaggg 130

<210> 4492
<211> 192
<212> DNA
<213> Mus musculus

<400> 4492
gagaattcag attccatcta ttcatcaact cctgaagtta aggcctgagc atcagacgtg 60

tgctgccgaa accatatgtt catggactaa acaagcagag acaagcatcc gccttcagag 120

ttactgtctg cctgaggcaa agagggcaga aaatattggg gcatatgagt tagctccagt 180

gcacgaacag ct 192

<210> 4493
<211> 518
<212> DNA
<213> Mus musculus

<400> 4493
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gcaggtacct gccacttggt cctgggaggt caaaggccac agagggatag gtacagtcac 120

caccaccctg gaaccaaggg tctcacaaca ttgctcagtg ctgaactata actgccacac 180

gtcccctcat atcaaatgaa gcagtggcaa tctccctgtt ccccaaccta actcttggaa 240

cttggccctc tcctttcttc ctgttaagtc tgagagggaa gagctaggct atgaagggaa 300

gatgtggccg tacgtgggaa taaccagtgt cccacgctca ttttccctcc atcctgcgtt 360

ccgcctccct tggtactcag ccttttgggg acagctgggg ccaggactgg gtcacctatg 420

agctgaatca gcctctcctg agtcccaggc ccctgcagtc ccctggttct ctggcctgca 480

gcctcttgcc cgctggttcc actttatagc cacctttt 518

<210> 4494
<211> 275
<212> DNA
<213> Mus musculus

<400> 4494
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ggagcggagg ttcagctcat ggattggtgg ctctatccta gcatctttgg gtacctttca 120

acagatgtgg atttctaaac aggaatatga agaaggaggg aagcagtgtg tagaaagaaa 180

atgcccttga gggctccacc ctgcctgccc gtcacctcaa cgtctgtagc tttagtacac 240

tcaggaaaaa gatgaccatc ttttgtagaa tgttt 275

<210> 4495
<211> 492
<212> DNA
<213> Mus musculus

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<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
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<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<400> 4495
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agcctccacc tgtggggctc ccactaattt cctcctggat gngaacgact cgggcactgt 120

tgtcatcaga gtgacagccc tggagccttg ccagtgactt cctcgcctca catggacccc 180

caggttcact gcacacgctg agaaatagaa ttgagaagta aaggaaatgg ccttcaaaag 240

gccacacctg agacccgccc ctgctttatg acacccttcc ctgggcctca tgctgtacca 300

caggaggcag agtcagcaca gccgtggcca gggcaccccc aggtccctga cctggtantt 360

agcagtgcac ccctcccccc agtgctgtgc actgagcagc ccccactcag ctactgccag 420

ntntccntcc caagcaccaa ggtagactct gagcacagac agggccccgt ggcccagtca 480

gctgaccagc ta 492

<210> 4496
<211> 512
<212> DNA
<213> Mus musculus

<220>
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<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<400> 4496
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cttggcccac tagtgagttt gnagaacagt ctaagangca tgaggtaaag gttttacaga 120

acatggtngc ccgtgccttt aatcctaata ctttggaagt agacanagga agatttttga 180

gtaagnccaa tctgaactta aatcagactt tgtctcaaaa aanagaccgg gtgtggtggc 240

actccccttt aatcctacaa cttnggaggc aagaggcagg ttggatctnc tgagcttgaa 300

gttagccagg attacctagt gagatcctat cttaagntcc ccctccctgc tcctgacaaa 360

aacacacaaa ttctgtttgt ctcantctta gcacattggg ctagagggga aacgacatca 420

tccnaaacga tctttttctg tacaagtatt tctttacctg acttggttac cagttttgca 480

tgtaagaagc agaactctat acccctaata ag 512

<210> 4497
<211> 441
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<400> 4497
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ctgtaccaac ctcgtcactt cccagggccc ttttctctac tgctcactca tggagggcac 120

tccagatgtc accctgtttt ccaagccagc atccttgagt ctgctcagca gacatctgct 180

caagtccttt gtgtactcga caaagaatcg acgatgcaag ctgctgcccc tggtgatggc 240

tgccccgctg agcgtggaac agggcacagt gaccgtggtg ggcatccccc cagagactga 300

tagctcngga tagaaagaac ttttttngnt cgggcttttg agaaggcagc agaaagcacc 360

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cggagcaagt tcctggacgc t 441

<210> 4498
<211> 372
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(344)
<223> n is a, c, g, or t

<400> 4498
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ggttccttca agggacttcc tcgcccaaag agcgcaggca ctgcaacaca gatgcgacaa 120

agcgccggct ggacgcgcat tatccagtcc tggtgggatc gaaacttggg caaaggaggc 180

tccaccccct cccagtgatc ttctgctcca catcccggaa ctctacccgc tcccgtcgcc 240

cgccatattg ggtgtgggcg gaagtctttc gaggccttag gaaaaaaaaa gaggatcgct 300

gtgtcccttt aacagggaga agagnctgan gnacngnnnn nnnncttgag tcccttccgg 360

tgcgtgcaat ag 372

<210> 4499
<211> 293
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<400> 4499
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atgagcgggt ccagttcgtc atcacggccc aggagtggga ccccaacttt gaggaggccc 120

tgatggaaaa cccttccctg nccttcgtgc ggccccggtg gatctacagt tgtaatgaga 180

agcagaagtt actcccccat cagctntatg gggtggtgcc ccaggcctga gtgtacacct 240

gtgtacgtgc agatgtgcac atgtatgcac aggcctgagt gcacacgtgt gta 293

<210> 4500
<211> 475
<212> DNA
<213> Mus musculus

<400> 4500
gtcgtagagt tttgccacca gtaattttca aagatgaaaa ccttaagacc atgtacagcc 60

aagaccggca tgctgatgtc ctcaatctct gtgttgccca gtttgagcca gattccgctg 120

agtatatcaa ggttcatcat cagacctatg aagatataga cagacatgga aaatatgagc 180

ttttacgttc aacaagacac tttggtggaa tggcttggta ttttgtaaat aaaaaaaaga 240

ttgatggttt gcttattgat cagatccaga gagacttggt tgatgatgcc accagcctgg 300

tccagctgta ccacatgctc catccagatg gccagtcagc tcaagaggcc aaagagcagg 360

ctgctgaggg agtcgactta attaaggtct tcgcaaaaac agaagcacag agaggagcat 420

atatagaatt agcacttcaa acttatcaag aaatagttac cagtcattcc gcagc 475

<210> 4501
<211> 351
<212> DNA
<213> Mus musculus

<400> 4501
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gctcaagtca cgggtcctgg ggccgaaagt tgaggctctc cagaaggtga acaaggctgg 120

agccgagaag gaacgggccg ataacgagaa gctagaggag cagccggggg agcaggctcc 180

cagagagctg gcagaggatg agcccagcac cgatcggtca gcacctgtga atggtgaggc 240

cacatcccag aaggggggaga acatggaaga cagagcacag gaagacgggc aggactctga 300

agatggcccc aggggtggct cctcagaaga gctgcatgac agcccacgcg a 351

<210> 4502
<211> 465
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<400> 4502
atctacaagg ctttcaggtc tgacaactct ttcagcttct tcgtgttctt ttttgtattt 60

ttttgtcaaa tagggatcta cttcatccag ttgattggct tgcctaactt ggggaccagt 120

ggttggcttg cagccctatc tacgatgaaa aatgggccct tagctgtgac catcatcatg 180

atggtagtgg ctggcttctt taccctctgt gctgggcttt cactcttcct cctgcagcgg 240

gtacacgcct tctaccgccg aacaggagcc agcttccagc aggcccagga agagttctcc 300

cagggtatct tcagcagcag aacctttcgc ggggctgcct catctgctgc ccgaggagcc 360

tttcagggga attaggcttc ccgactctcc ttccctgagc cctggcctct ctgtcaactg 420

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tgaacaacaa cagcccttct ggaaacggcc tgctgccttt ctgcttctgt ttggcatagt 180

tatattgaag ctaatggaag tacctgcaat atcagctcac taacacgggt accactagtt 240

cttgtttctc tttggtgtca ttttatatgg cgatgtgctt cctgtgtgct tccagaccta 300

tccctgagnt nnnacnattc cnntggccat tcatattagt tctattacaa gnnntggaag 360

agnttanatc ntttntacnc aggcccnacg antacagctg atacagntga cataaantnn 420

tgatggagat acaactcagg gccttgcatg ntacactgac ttgctttnnc aggctccaac 480

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c 541

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ggaaagccta cctcagtgct caggatgata ctggcggcct tttcttagct gaattgctac 180

tgaagcctga gaactcagag atgcaaatct ctgtgaagca aagtaaggca aggactgaat 240

ccctgcatgg ttttgtttct gtcctggaaa ctgtgattgg aacagttgga gacataaaat 300

cttaacagag ttccttcatt gtcttaaaaa gctgcttgta agtccacata ttaacttcaa 360

aagagagtgg gaggtctggg aacccagctn ttatgtttac ccaaagttta cgttgttctt 420

ttcaagccnn tntcaggaat tgatcccatt ttaaaag 457

<210> 4505
<211> 484
<212> DNA
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ctggtgggaa gtgtcagccc cgtcaccggg cctccaactt cagtgggaac atctgcctgc 180

ttttgtgctt tcctgctgtc tctaactata gaggccagtc ataggctctt ggtctcgtgc 240

aaagccatcc cttgccttta ccgggttgac tctggtgagg gtcttgtaan catcgcnttt 300

tctaacaaaa agagnttgct gcaagaccag atgtgatgat catattttac cagcaaaact 360

gantcttgtg tgtttcccgt gggcctggag agaantntgg catntacttg ggattgatgt 420

tntnttcttt ccctacccag ccatntcata aagtgggggа acaggccatt tgcgaagaca 480

cact 484

<210> 4506
<211> 414
<212> DNA
<213> Mus musculus

<400> 4506
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tgcagctttg gagtcacagg tctgaagctc caaggggcca cgtgcagcaa caacaagcta 120

tcactctcca atgccatctc cacagtcctc cccctcacac agctgcgctg ggtgaaacaa 180

acaagcgccg agaagaaggc cagcgtggtg accttacctg tctacctgaa cttcacccgg 240

gcagacctca tcttcaccgt ggactttgaa attgctacaa aggaagatcc tcgcagcttc 300

tatgagcgtg gagttgccgt tctgtgcact gagtaaagct agacttttct ccagtcctct 360

ttctggaata ggaaactccc aatatttaac cttcattcat ccttaacggt gtgg 414

<210> 4507
<211> 437

<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aagatcatca ccagagaaga ccacctaaaa gtcatcccca agctgaattg tgtgttcacc 120

atagaaattg atgacttcat ttcctacatt tatggaagca aattccagct tcgggcaagt 180

gagcggtctg ccaagaagtt caaagcaaag ggatcaattg acctgtgaac tctgccactg 240

gagacagatg tccctgacac tgaagaactg gaaactccct aaatactcac tttttcttga 300

agagcctctg gctgtagccc ntnctgtagt ccagggaaaa cagaggggct gaagagcatc 360

gaacaactcg ggagaaagct aggggtaaat atttgtactg ttaggtgacc ttaagttagc 420

tttagttcca cagggag 437

<210> 4508
<211> 550
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccctgctcga tgtttctggg gccctgggag cccagcaagt ctttggctct acagaggaag 120

ccctgcaggc cgcagcccac gtactggaag cgggcgagca cccacctggg cccctgggta 180

cgcggggtgc tatgcaagaa gttgcccnga atcctgctgg gcgagggtcc agtcaatcag 240

aaaggctaca ctctgacagc actggggcac ctagctcaga ccctgggacg agcccggaag 300

caggctgtga ttggtggaga gcgagatcga ctttaccggg ctcggaagaa ntgccagttc 360

ctgctggctt ggaccaacga aaacgaggct nccctcacac ccctggcgct agactngtgc 420

caganccccac cgagcccatg cntgtgacag ctgaggagat ggcaacgctt actggagagt 480

tagaacggct ttggggaggc ccagtgccac ccactccaag gactctcatt gaggaactcc 540

ctggctgaac 550

<210> 4509
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcaacangga ggaggaacca gtgaccggca cattcgcatt tggaacgtct gctcaggggc 180

ctgtctgagt gctgtggatg tgcattccca ggtgtgctcc atcctctggt ctccccacta 240

taaggagctg atctcaggtc acggctttgc ccagaaccag ctggttattt ggaagtatcc 300

aaccatggcc aaggtggctg agctcaaagg acacacngca cgggtcctgg gtcttacaat 360

gagt 364

<210> 4510
<211> 322
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gtggccttct ttgccagcaa gagaatccgg gctggaacag aactcacttg ggactacaac 120

tacgaagtgg gcagtgtgga aggcaaggag ctgctgtgct gctgtggggc cattgaatgc 180

agagggagac ttctttagag gaagacttcc tcactttgag aacgcttgaa ctatnnttt 240

ccccaggaac tgggtcttcc tgactgttga actctgaccc caagtctctg atctagcttc 300

ttcccagctc ctagtagata ga 322

<210> 4511
<211> 450
<212> DNA
<213> Mus musculus

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gatagaagat ggagaaattt ttgcaagtat taaccagaag gatggaatgg tcagtttcca 120

tgataaccct gagaagtata ataacccagc catgcttcat aacatcgacc aagagatgct 180

aaaatgcata gagctggatg agcgactgaa ggctatggac caggagatca cggtgaaccc 240

ccagtttgtt caaaagagca tgggctcaca agaagatgac tcaggaaaca agccctccag 300

ctactcttga aactaacccc catcttgagg taacagaacc ttggcctggc aagtgtgaag 360

agcgcagcag gaagtaccat gcgggttcca tgccggttcc tcctggacag tcagaaattc 420

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aggcatttcg cagaggtttt catatggtga ctaatgaatc gcccttaaaa tacttattca 120

gaccagaaga aattgaattg cttatatgtg gaagccggaa tctagatttc caggcactag 180

aagaaactac agagtatgac ggtggctata cgagggaatc tgttgtgatt agggagttnt 240

nnggaaattn ttcattcntt tacagatgaa cagaaaagan tctttctnca gtttancaac 300

aggcacagac agagcacctg ttggaggact aggaaaattg aagatgatta tanccaaaaa 360

tggcccagac acagaaaggt tacctacatn tcatacttgc tttaatntcc ttttacttcc 420

ggaatattca agcaaagaaa aacttaaaga gagattgttg aaggccatca catatgccaa 480

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<210> 4513
<211> 540
<212> DNA
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<223> n is a, c, g, or t

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aaatccttta ttattattat aattattttt ttgcgtgaaa gtgttacata ttctttcact 180

tgtatgtaca gagaggtttt ctgaatattt attttaaggg ttaaatcact tttgcttgtg 240

tttattactg cttgaggttg agccttttg agtatttaag atatatatac caacgaaact 300

attctcgcaa ggaaaacatt gccaccattt gtagaacatg taatcttcaa gtatgtgcta 360

tttttttntcc ctgtatctaa gtcaaatcag gaactttntt ctaacaattt gcttttgaaa 420

cttgaagtca aggaaacagt gtggtgcaag tactgctntt ctagccccca aagagttttc 480

tgtacaaaat tttgagaacc aataaagatg gaagggagaa cttggaatgt ttgaaccaca 540

<210> 4514
<211> 553
<212> DNA
<213> Mus musculus

<400> 4514
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gtggagaatg tgcaggacat aggaaaccct cactctatac acagttctcc agtcacactg 120

gggctcaggc gtgcctccta aggcatgtgg acacgtcaca ggaacacgtc tgaatccagg 180

gcacacattt cagtttggaa gaaagaccaa tagggcatcc gcaggatctc tgccaccagc 240

agaacctcca ctttctgggc ctcctcagtc atgtgaggag gagaatcagc tggaggcaag 300

gggctgtccc tgacattcct gcgccaatct tgggtgaagg gctgtcagtg ctatgataca 360

caggcagata ggcagatact atcactggga cccaccagcc tcaacaccat attctcttat 420

tctctatacc accaccaagc gtgtgggttt ccttcggaat actgcagatg gcgctcgcca 480

cactgggcag caatggggag cactctggtg aaaattcccc tttttatatg tgcactactc 540

tgtcatatga ttc 553

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<211> 430
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gctttgtttc ttttaagtca cattgtaaag tactaaggca tgtttcttga cttaattttt 120

gacatgtgag ctgttctgtg aagcatagag catctcgccc attccacagt ttctccctgc 180

tctcctcagg agttagtggg gttggatttg tcagaggtga tgagttaaag agtcctttca 240

cactttccag atgtgaaaca caggactcct aggagcccgc gcagcccgca gtggggaggc 300

atccttgttg tattgtgtgg aggagcgctg ncctcccact nccagaaggc tgggcgtgan 360

cctcagacca ggctggggca agggnccttn gctgcacaat gcaaggaact tgggctcctc 420

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgtcatgcct gaaacgacgg ccctgggagc tgccatggca gccggagctg cagaaggggt 120

aaatgtttgg agtcttgaac ctgaagattt gtctacgatc ttgatggaac gatatgaacc 180

acaaatccaa gccacagaga gtgaaattcg tttttcaaca tggaagagag cantgatgna 240

ntcaatgggt tggnttacan caaaggaccc tgaaaatggc gataaccctn tnttntnctt 300

ntntgccctt gggtttttt atantgagta gcanganntt attaattgga gcnagatgtn 360

tnntcaactg ctgaagagta atttgaacca cggacttgca atgtgtgaac tttttacaga 420

aagaattccn tnttttagtg tgaaaccaat attataggtt tatttttacc tataggccac 480

ttgcttacag gaacccatga ggccc 505

<210> 4517
<211> 187
<212> DNA
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<223> n is a, c, g, or t

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cagggattgg tcctggtaca agtttcaatc tccaacccta gtggttttct gaaacctgca 120

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ttcccca 187

<210> 4518
<211> 384
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (240)..(240)
<223> n is a, c, g, or t

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<222> (319)..(319)
<223> n is a, c, g, or t

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gcgccacatt tgctgagatt atttgtgcga attggagcga tgttggccta cacgcctcta 120

gatgagaaaa gccttgcttt attactgaac tatctacatg attttctcaa gtacctggcg 180

aagaattctg caaccttgtt cagtgccagt gattatgaag tggcccctcc tgagtaccan 240

cggaaagccg tgtgagggcg tgctcgccct ctctccctcg tgcttggatc tctgtaaaca 300

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cagagttgtt tgtttcctct ttga 384

<210> 4519
<211> 240
<212> DNA
<213> Mus musculus

<400> 4519
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caaagtgcca ggctacttgt ttgtgtgaag acaaaattca ttaacatgcc cagtgtgcag 120

caggacagac tacatgagga aggggtacag acttagttga gactgatggg gaaaatctat 180

aggagattag tgacatgtca catcccaaat gacaaggctt ctttccttcc tagattcata 240

<210> 4520
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<222> (33)..(33)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttcttacaa gaaagcntca gcgagantct gggctatgag ccnacttgtc aactgggagg 120

aagcaaanca gaaaacctca gagtggatag ggacaatagt ggaacagcna cagggnagat 180

attggacaca aagtgccagt gatggaaaaa gggcaggtac atggctctgg gagttataag 240

gtcctgtagc aagtacagag gcacaagcca ggtcctgctg tctcctgtag acacagagac 300

caacttggta tctttctcaa gtcaccagaa nccttgccag tcactaaccc actcacaaac 360

ttgcttccct aagcccctgc tcagagacaa acatagctga gtntcagttc ttaggcttca 420

gcaattacaa tttactttca cttagaactt agtattgctt ttatttcccc cttcaantcc 480

taaatcatnt cttnccttg gtaaaatccc gttgctttct gaag 524

<210> 4521
<211> 367
<212> DNA
<213> Mus musculus

<400> 4521
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tcaccaaccg aggcatcgca caaatgttgg aaaagtacca gcagggagac tttggctact 120

gtcctcgtgt atactgtgag aaccagccaa tgcttcctat cggcctttca gacatcccag 180

gcgaggccat ggtgaaactc tactgcccca agtgcatgga cgtgtacaca cccaagtcct 240

ccagacacca ccacacggac ggcgcatact tcggcactgg tttccctcac atgctcttca 300

tggtgcatcc agagtaccgg cccaagcgac ctgccaacca gtttgtaccc aggctctatg 360

gtttcaa 367

<210> 4522
<211> 374
<212> DNA
<213> Mus musculus

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<222> (189)..(189)
<223> n is a, c, g, or t

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<222> (203)..(203)
<223> n is a, c, g, or t

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<222> (211)..(211)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agcatttcct aaaaccccac ctgtgactgc agagtgagag tgctcagact cggacctctg 120

tagccggctc ttcctcaggg caggccagca ctgcagatcc tccggcccga gccacacagg 180

cggctgggng ctggggctgg ggnctggggc nagagccngc ctcttccaga gcttctattt 240

tatctagaac gcgttacaca ctgttacagt cttaccggct cagccctgct tgtcttgcac 300

atctgacctt gcagaagctg gggtgggtgg tagcatgcta attaagagaa tcagaagtag 360

tttccagagc tggc 374

<210> 4523
<211> 503
<212> DNA
<213> Mus musculus

<400> 4523
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caccagagtg gccaagctca gcacggagct gcaggaggag caggagctga acaagtgtct 120

gcgcgccaac cagctggtgc tgcagaacca gctcaaggag gaggagaagc tgctgaagga 180

gacctgtgcc cagaaagacc tgcagatcac cgagatccag gagcagctgc gcgatgtcat 240

gttctacctg gagacacagc agcagatcag ccacctgcct gcggagacga ggcaggagat 300

ccaggaaggc cagatcaaca tcgccatggc ctcagcgccc aacccaccct cttccggggc 360

cggtgggaag ctgcagtcca gaaagggccg cagcaagagg ggcaagtgac catcagagac 420

ttgtccctga gacttcctgg gcaccacagg gtctgctggg acctttgctg agcggaagtg 480

tgggccctaa taagtacgtc tga 503

<210> 4524
<211> 553
<212> DNA
<213> Mus musculus

<220>
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<222> (292)..(293)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (397)..(397)
<223> n is a, c, g, or t

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<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

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<222> (443)..(443)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<400> 4524
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ctcagagacc attgaggtgg atgactctga cgaagatgac atttttccta ccaattccag 120

ggctgatcaa aggtggtcgg gcacaacatc tagcaaacgg atgtcccaga gccagacagc 180

caaaggggta gactttgaat cagatgagga tgatgacgat gacccttca tgagcagtag 240

ttgcccaaga agaaaccgaa gataatgttt ttaatggaac ttagaaattg cnnatgatgc 300

aggaagaaat caaagcacca catactgact tcacagctga agatgtttaa ntnctgggct 360

tatatttnat cgttttctga acggtgantc ccttaancca tttcctagcc caatgataag 420

gagattgcag ntnttcttag ccntttaacc tggttgttat tgtnctgggg ctgctctgcc 480

atatcgagaa cattaacttc ctgacagaac tgtgttttct gcttgtaaga acttggctaa 540

aatcccattc tta 553

<210> 4525
<211> 406
<212> DNA
<213> Mus musculus

<400> 4525
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gagttggtat gactgtcaca gggaaacaac tgcaagtttt tctgatactt accaggatta 120

tgaggagtac tggagagcgt attacagggc atggcaagag tattatgctg ctgcttccca 180

ttcatactat tggaatgctc agagacatcc aagctggatg gctgcctatc atatgaatac 240

agtttatcta caagagatga tgcgtggtaa ccaatgaggt tagcatgtgc ttcagactag 300

tgactgtcaa cggataattg gatatgcatt cttcacctag aacaagtggg gtttggtggc 360

attttggagg aacttgagag gacttgaggc tttctactgg gacaca 406

<210> 4526
<211> 446
<212> DNA
<213> Mus musculus

<220>
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<222> (144)..(144)
<223> n is a, c, g, or t

<220>
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<222> (150)..(150)
<223> n is a, c, g, or t

<220>
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<222> (154)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<400> 4526
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cacctggcac ttctcagagg cacaggtgat tttgtgtgtg tgtgtgtgtg tgtgtgtgtg 120

tgtgtgtgtg tgtgtgtgtg tgtntgtgtn tgtnngtaat ggactctgaa ctctagaagg 180

atacaatcct tttggatttt gcacagtcct agatctaatc ccttttgata aaagggtctt 240

tgcttctgat gaaaggagca ctgtggaacg tatgtaaata tgtttttata attccattgg 300

aagctggtgt gcactcagac gaaagcagtc cctntcaact actgtccagg gctgtgatgg 360

gatcagacct gggcgtgaaa gtatctgttc tttggagcta gcctggtgtt ctgaccattc 420

aactcattgt aagttgccac taccaa 446

<210> 4527
<211> 427
<212> DNA
<213> Mus musculus

<220>
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<222> (213)..(213)
<223> n is a, c, g, or t

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<222> (256)..(256)
<223> n is a, c, g, or t

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<222> (284)..(284)
<223> n is a, c, g, or t

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<222> (309)..(309)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcttcaagag agatggttct gatgtcatct atccagccag gattagcctt cgggaggctc 120

tctgtggttg cactgtgaat gtccctactc tggacggcag gaccatccct gttgtattca 180

aagatgtcat caggcctggt atgcggcgga aangtccctg gagaaggcct ccctctcccc 240

aaaacacctg agaaancgtg gagaccttgt tatcgagttt gaangtgatc ttcccggaaa 300

ggattcccnt ntnatccaga accatnctgg agcaggttnt tcccatatag ccacctgcan 360

tcctcaagga ctgagccagg ggctttcaga gctgcagatn tccagaccgt tccactggtt 420

gcatact 427

<210> 4528
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
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<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<400> 4528
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ggaatcctta ccatcacaca aaacttacat cagtgctgga aatgtaacag aaaatctggg 120

gatgcctgac tttggttatt tccctggtat tttattaagc ttgagtatgg ttaatattta 180

tgctggcgtt gcattaatct caaaagatta gcacctatat tccatggatt ctctcggctt 240

tagtccnaaa tatttttaac tgggcatggc agtacacacc tttaatccca gcactgagga 300

ggcagaggcg gcctggtnta cagagcaagt tccagaaaaa ccacagctac acagagaaac 360

cctntntcaa aaggaaagac aaaaagaatc cctgggaaac attttcagct ttttcagttt 420

gttattctca 430

<210> 4529
<211> 228
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (110)..(110)
<223> n is a, c, g, or t

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<222> (122)..(122)

<223> n is a, c, g, or t

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<222> (186)..(186)
<223> n is a, c, g, or t

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gggtggntct ttctacctgc agtcaaaggt tgtccgtgca aaggaacgtn tagatgagga 120

antccgaata caagcccagg aagacagaga gaaagggcag aagcccaaaa cgtgactgct 180

gggctntcca caccccagcc attgcctcat aatttatagc ctagtaat 228

<210> 4530
<211> 416
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

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gtcaccctgc ctgagctcta tcaggaccct gcataccagc ggataaacca caacatcctg 120

tccaccagca ctctgagcag cccagcagtg agcctcggtg gctttgcccc tgtggtccct 180

gatggctttg gcattgcgta tgctgttcac gatgactgga taggctgcaa tgtctcctcc 240

tactcaggac gcaatgcccg agagtttctc cactgtgtcc agaagtgctt ggaagacatg 300

ttcgatgccc tcgaagncaa agccatcaaa acttagcttc ttggtcgatg aaaagcctcc 360

attcttcctc atgaacattg gtgttcatgt agctggaagg taccatcttg tcaaca 416

<210> 4531
<211> 487
<212> DNA
<213> Mus musculus

<400> 4531
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gtgctgctgg tgctgaaccc cttcccagaa atggagagca gtggcacgag atccggcagg 120

gtcggttacc tcggatccca caagtgcttt cccaggaggt gacagagttg ctgagagtca 180

tgattcatcc tgacccagag agaaggcctt cagcaatgga gctggtgaag cattcagtgt 240

tgttgtctgc atctagaaag agcgcagagc agttacgaat agaattgaat gctgaaaaat 300

tcaaaaattc tcttttgcag aaagaactca agaaagccca atggcagcc aaagttgcag 360

ctgaggaacg ggcactcttc acagatcgga tggccactag atccaccacc cagagtaata 420

gaacttctcg acttattgga aagaaaatga accgctctgt cagccttact atatactgaa 480

ctgctca 487

<210> 4532
<211> 285
<212> DNA
<213> Mus musculus

<400> 4532
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gcctgcaact ggcaaacatc tgttgcctgg gcagacagcc ctccatgctg tgacagctgc 120

atgcggctcc accgtttccc ccaaactctg cccatacaca tcagcaggaa ctgtggctga 180

catgagacac tgctggccta cacggactag agaccagcag ccccccgagc cccatggcat 240

tacccattga tttactgatg agcaccttca aatgtgggag tccca 285

<210> 4533
<211> 445
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

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<222> (313)..(313)
<223> n is a, c, g, or t

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<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (380)..(380)
<223> n is a, c, g, or t

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<222> (396)..(396)
<223> n is a, c, g, or t

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<222> (398)..(398)
<223> n is a, c, g, or t

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ttggaatgga cctattgggg tatttgaatg ggatgccttt gctaaaggaa ccaaagctct 120

catggatgaa gttgtaaagg ccacctccaa tggctgtgtc accattatag gaggnggaga 180

tactgctact tgctgcgcca aatggggcac tgaagacaag gtcagccatg tgagcacagg 240

aggtggggca agtcttgagc ttctggaagg taaaatcctt ccaggggtag aggccntcag 300

caanatgtaa ttntcataat ntanttgntt ncnnnnttcc tgcgcannng gaccagaacc 360

aantcaacct aacctatatn tcaacatttg ttaacntnta ctatgaatca agacccaggt 420

aatgagctag cagtgagcca tcaat 445

<210> 4534
<211> 294
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
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<222> (138)..(138)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (267)..(268)
<223> n is a, c, g, or t

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atgacaagct gtcagaggtg gatgaagctc aagaaagcac catggaagca gaccctaagc 120

cnatagatgg actgaccntc nccatttaca gggacagcga atagctgcat gggcttcctg 180

ggttcagtgt gttgtacttt tgggatattt caacttcagc attgaagtac tttgctttca 240

agtattcatg tgtnncgttc atatttnnct tcacagaacg gaaatgtatc ccat 294

<210> 4535
<211> 537
<212> DNA
<213> Mus musculus

<400> 4535
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caggcagaga gtggcaagag gaaactggag gaggcactgt ccacggaggg ggctgaagac 120

accggcaaca gtgacaaaaa gaaggccaag agggactagt ggtcaaccgg accctgccca 180

tgtggactgt tttctgagcc cttggacccg agactgagtt ttgtccttgt cctttagcct 240

tagcagtggg tatgaggtgt gcaggggggct gggtggcttt cctcagccca ttacaaagag 300

ggcccccccac ccccccccacg cggcagcctg ggaggctctg ctgtcctctt aagcctcctt 360

actctccttg ggctcatcga ctatcggttc tgtgcctgtg ctctgttgtg ttggagggaa 420

ggactggtag ttctgatttt tactctgtga acactttatt taaggacatt ctttttttatt 480

ggcggctctg tgacccctag ccgcttgcac ccgctctctg ttgtacactt tcaagca 537

<210> 4536
<211> 130
<212> DNA
<213> Mus musculus

<400> 4536
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caacctggcc acctgaattc aaacccctgg agatattaca gaaaccagga gaaactgtct 120

ttgtaccagg 130

<210> 4537
<211> 428
<212> DNA
<213> Mus musculus

<220>
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<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<400> 4537
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cagttgcgca gcagcaccgc gagcaactcc tgttggagga gctggtgtct ctggtgaacc 120

agagggatga actggtccgg gacctggacc agaaggaacg gatcgctctg gaggaagatg 180

agcgcctaga acgaggcctg gagcagagac gtcgcaaggt gagccggcag ctgagcaggc 240

gggaacgctg taccctgagc tgagtctcct gtctggtttg tccctttctc tggtcgtgga 300

ccgtnttcgc cactccccca gcctgcacag cagaggccag ntccccatgc tccttcagcg 360

agcagaagca agactgacca gactctcggg ctggagcagt gancctgcta gtgtttattt 420

atccgagt 428

<210> 4538
<211> 433
<212> DNA
<213> Mus musculus

<400> 4538
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cccaagtgga aagctgcggc tgctgtatga gtgcaacccc atagcttatg tcatggagaa 120

ggccggtggg ctcgccacca cgggggacaa agatatatta gacatcgttc ccaccgagat 180

ccaccagaag gcaccagtcg tcatggggtc ctctgaagat gtgcaggagt tcctggagat 240

ctacaggaag cacaaagcca agtgaaggcc agccttgccc ctgccccaga gcagagctca 300

agtgacgcta ctccattctg catgttgtac attcctagaa acaaacctaa cagcgtggat 360

agtttcacag cttaatgctt tgcaatgccc aaggtcactt catcctcatg ctataatgcc 420

actgtatcag gta 433

<210> 4539
<211> 404
<212> DNA
<213> Mus musculus

<400> 4539
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gatgaagatg aggagggagc cgccgcattg agcagccaca gctctatccc catggaccca 120

gaacatgtag agctggtgaa aaggacgatg gctggagtaa gcctgcctgc accaggggtt 180

cctgcctggg ctcgggagat ctcggacgct cagtgggaag atgtggtaca gaaagccctc 240

caagcccggc aggcatcccc tgcctggaag tgaccagaga gcgagctgcc ttacctccct 300

acattccaag tcaggaccag cacaggacta acaactctgg tcttaacagc ctcctccttc 360

ccatgtccct ttccacacca aggcgactca gacctctcag agac 404

<210> 4540
<211> 398
<212> DNA
<213> Mus musculus

<220>
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<222> (344)..(344)
<223> n is a, c, g, or t

<400> 4540
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caacctgacc cgcaccaggc ccgactgttt cttggaagta gccgatgagg ccacaggtgc 120

cttggcctcg gcagtgtcgg gctacgtgca ggctctggcc agtgcgggcg tggtggctgt 180

cctcgccctg ggtgctcctg caccgcaggg ctgcgctgta gctgtggctt ctgaccgctg 240

ctccatccac ctgcagctgc aggggctagt ggacccagcc cgggagttgg gcaagctgca 300

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ccagctactc agcaaaggtg ccccttgagg tccaggag 398

<210> 4541
<211> 509
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (385)..(385)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (468)..(468)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

<400> 4541
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accatcccca gcacgatctt cccacctcaa gaccccagct ggtgggccgc agacacccac 180

aagcactcca gcccctgggt ntgntacacg cacacccctc acacaggacc cagcctccat 240

cacagacaac ctgctgcagc tccctgcccg acgcaananc nttcagactt cttttagagc 300

caggcctgac tggacctgtg gatgttttgt ggaacacttt gtggagcatn tagggcangc 360

tttntaccac tcagaggatt ccagnccttg gagacacaga ccacagttga ttattccagg 420

anccacaaat atctagtgtt gttcccgtgg ccaggttggc acattacncg gaccantccc 480

ttggaagtac agcgttggtg ctgttccca 509

<210> 4542
<211> 535
<212> DNA
<213> Mus musculus

<400> 4542
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acttatgaat tagttcgaga tgaccttggg tttaggctca tctcagaaca ggtcagccat 120

catcccccaa tcagtgcatt ccatgcagaa gggctcaaca atgacttcat cttccatggc 180

tcaatttacc ccaaactgaa gttctggggc aagagtgtag aagcagagcc taaaggaacc 240

atcaccttgg agcttttaga ccacaacgaa gcatacacat ggacaaaccc cacctgttgt 300

gtgcataaca tcatcgtggg caagctctgg attgaacagt atggcaacgt ggaaatcata 360

aaccacaaga ctggggacaa atgtgtgctg aattttaagc catgtggtct ttttggcaag 420

gaattacaca aagttgaagg ctacatacaa gataaaagca aaaagaagct ctgtgctctc 480

tatgggaagt ggactgagtg cttgtacagc gtagaccctg ccacttttga tgctt 535

<210> 4543
<211> 454
<212> DNA
<213> Mus musculus

<400> 4543
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gaagcatcac agtgacaggg cccaatgtaa aggctgtggc gactgccgtg gaacagatct 120

acccgttcgt gtttgaaagc aggaaggaga ttttataact caaacttggt tggttagtct 180

ccacctgagc accgtttgag acctgctgca cattggactc aaaacacaag gaaaactgga 240

ccaacagtga ccgaggacag actcggactc acagctgcag tgtaagctcc agtccctttg 300

gattttactt caaagtttgc tgtaatataa aaaggaagtt tacaagacat gacattgctg 360

cttttacaaa aggacgttct atttattttc gcagtaatct ccatgtccca caggcagagc 420

tgtcgcagtg tgcacttccc gacagttgtt ttat 454

<210> 4544
<211> 494
<212> DNA
<213> Mus musculus

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<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

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atgaaggcca caaagttggg agttcctttc aaggtgatat gacccgggct ggaaaggtga 120

aggtagacaa cttcctagac ttagaagatg tggacatgga ggaagagagt aagccccaga 180

tgaacaagga ttgcctgcta cttccaggtg aggtggaaca ggatataagc accagcgttc 240

catcttatga tccttctgtg gacctaccgc tcacctctga ggtgaggcca aagcctgctg 300

tgggaaggac tcagaaacaa accgaagaga tancttggag atgaagttca ncccttcttt 360

ctcgatgaag aatttgatta tgacaatgtg actctcantc ctaagtttac tgctggagag 420

atagcaacca tccaagagct atctnangca aaagagagtg ggttccggta caaacgtgtg 480

cgaactccat gact 494

<210> 4545
<211> 379
<212> DNA
<213> Mus musculus

<400> 4545
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aaaagatacg agtagacatc atggagaacc agatcatgga cttccgcatg cagctggttc 120

gcctctgcta caattctaac cacgaaaacc tgaagcctca gtacttggaa cagctacctg 180

cacagctgaa acaattctca ttgttcctgg ggaaattcac atggtttgca ggagaaaagc 240

tgacctttgt ggattttctc acctatgatg tcttggatca gaaccgtata tttgagccca 300

agtgtctgga tgagttccca aacctgaagg ctttcatgtg ccgttttgag gctttggaga 360

agattgctgc attcctgca 379

<210> 4546
<211> 488
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
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<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<400> 4546
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acatccaaag tgaggctttt ctatgtttga gagaatttgt gtgcacttct aagaatttgg 120

ccgggggcag gaggaagctg aacttgttct ctgcacacct gactgggata ctccagctga 180

ctcactcctt caacacagaa cccacctgtg caccaggaaa ccagctctga atagacggcc 240

agtggctttt ctcccaaaac ctccatcttc actgacaaga ctaaactccc aaccccagcc 300

aaaggcaggg ataagcctcg actccttcct ggcgcaaaca tgggaacaaa ccctcccagg 360

agccacgctg cgccntgtca cctncctgcc tcctccttgg gccccnacag gctttcttta 420

gccntctggt tttgaaaaaa ttttaccttt ctgacccatt taggtttttc ctaccacttg 480

tatttcat 488

<210> 4547
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<400> 4547
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atccagaagt catggtggct ttccaggatg tggcccagaa cccatcaaat atgtcaaaat 120

atcagagcaa cccgaaggtt natgaatctc atcagtaaat tgtcagccaa gtttggaggc 180

caatcgtaat gtcaaagccc ttgctgaatg aagaacagct tagctcactt cctggatgtt 240

gcaataatac aaaccagtgt acctctgacc tcaccgggag agctggggcg cttcgaagat 300

aatccctacc ctctacatca aatgcggctg aggcatttta cagtggtttg ccattagcgt 360

gtntcattca gataatgttt tcttactagg aattacaaac ttaaaacatt tttcaacctt 420

taacatattt tgtaaaaact taggggagtc aattcctcca tttttcttta ctaacttggg 480

cttttccttt tgaattactg ggcag 505

<210> 4548
<211> 563
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (504)..(504)
<223> n is a, c, g, or t

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cggtggccac tctgtgagaa gacatctctt tctgctcact gcttgcaata aaaactattc 120

ttggcnatct cagttaatct tcattctgtc agtttactgg gttcttatgt acctgtcaaa 180

ggcaagcagg tcaaagaaaa tctcctaaaa atgttctgag ggctgaagaa accataatga 240

cttggagact ggcggcggtg gggacatgga gacatcctta taagacagca tatttcagac 300

ctgcttacga tgtggcagca agaaactcaa atgtgcattt gtaactgaat tgaacacttg 360

tcatgctgta gatgccagcc catcaatagt agagcttatg agactcattt aaactgtnct 420

ttggtttaac acgggtttgt gtcattaaag gtttcttacg ttactgttga gtcagatatc 480

taaggtttag attcaggtgg cctntcctat tttgttttga gggagtcatt aaccttactg 540

tcactaaata aacccctgct ggt 563

<210> 4549
<211> 429
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<400> 4549
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gagccaaagc ccaagccaca gctgctgcag ccagagccgg ctccagggga ggagaagtga 120

ccagcggcgc agggactcct ggatcttgag tagtagaggc tcttagactg ggcgtgggct 180

ggctgggcgg ggcctcatgc cgatgggcgg ggcctgggca tgccccagag cgaaccaggc 240

acagtcagtg ttggagactc agtgcccagg gcagctatgg tgccctttcc acgcgcgacc 300

gaagggtgtg accttgtaca gagccccctc cctgcctccc cgagtccctg aagctgcagc 360

gcgcgggctg ccatcccact cgntcttccc ctccgctgtg ctccattccg cactgggaag 420

ccctaagga 429

<210> 4550
<211> 411
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<400> 4550
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gagcagcagc agctcctgca gaaggtgctg gcagccaccg acttggatgc agaggaggaa 120

gtggtggctg gagagtttgg ctctagatct ggccaggcat cccgacgctg tggcaccatg 180

agctccctgt caggcgcaga cgacaccgtg tacatggagt accactcctc ccgaagcaag 240

gcctccagca agcacgtgca cccgcttttc aaacgcttca ggaagtgacg cccaccctgt 300

gctcaggtga agactggctg cctggatccg tgttgaagag agacttnctt tcttcaccgg 360

tgtgatcgtt tctatccaag actgtntcct ttcctattga ctgactgctg a 411

<210> 4551
<211> 474
<212> DNA
<213> Mus musculus

<400> 4551
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ctagataaca gactgggatt ttttcagaaa gaacttgaac tgaatgtgaa gaagactaga 120

gatctggttg ttcgccttcc aaggctacta acaggaagtc tggagcctgt gaaggaaaac 180

atgaaggttt atcatcttga acttggtttt aaacataatg aaattcaaca tatggtcatc 240

aagattccta agatgctaac tgcaaacaaa agaaaactta cagagatttt tgattatgta 300

cacaatgtga tgaatattcc ccaccacatc atcgtcaagt ttccacagtt atttaacaca 360

agagtgttta aaattaaaga aagacacttg tttcttgcct acctgggaag agcacagtat 420

gacccagcaa aacctaacta tgtttctttg gacaagttcg tatcttttcc tgat 474

<210> 4552
<211> 557
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

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ttccttatga agcacacagc ctgcaatgtg gggcatcgga accataaggg ggacaccgcc 120

ttcgacttgg ccaggttcta tggaagaaat gaggtcatta gcctgatgga ggcaaatggg 180

gttgggggag ccacaagcct gcagtgaatg tgtagaggtc tctctcactg acctcacact 240

gtccgttagt tggttggctg tccgtttcac tatcacttat taaaatatag ggttttcctt 300

tcgctttgtt nttcatattt taagcancca aatccttcna aacngcctaa gtggaaatct 360

tactacaagt ttatgaaata tttaaacttc tttttcactg tcnaaattct gatttctaac 420

atgtaatagc tattcctttt tttctggata ttttatcttt gatttttttt ttctttgctt 480

acccttttc attctcagtg tctgacttgg agactttgtt ttaaaaatta tttgtcctga 540

tgcatctttt gcctaat 557

<210> 4553
<211> 480
<212> DNA
<213> Mus musculus

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<222> (321)..(321)
<223> n is a, c, g, or t

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<222> (380)..(380)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

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ccaaagtacg ttgcattgtt gcggtgtcac caattacgga gattggaaag gtacgaacta 120

ttactcagaa acaggatttc ccaagagctg ctgtaaactg gagggctgtt atccacagag 180

agatgcagat aaagtcaacg aagagggttg tttcataaag gtaatgacaa ctatagagtc 240

agaaatggga gtcgttgctg gaatttcttt tggagttgct tgctttcagc taattggaat 300

ctttcttgcc tactgcctgt ntcgtgccat aacgaataac cagtatgaga tagtataatc 360

actacacacg ggctcatatn tcctcagttt taangnttac ctttgtgagt tataacagcg 420

cctggatgga gactgacatn tgcttagcct gaaaagctac accagtaggc tgattcaatc 480

<210> 4554
<211> 334
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<400> 4554
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gaggcaagtg acaagagtgg cagcggtgag gatgaaagca gtgaggatga agcacgtgct 120

gcccgggaca aagaggagat ttttggtagt gatgctgatt cagaagatga tgctgactct 180

gatgatgagg acagagggca ggcccacagg ggcagtgaca atgactcgga cagcggcagt 240

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cttccccagt ggcagtgagc actcagctca ggaa 334

<210> 4555
<211> 393
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 4555
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tgttcatgaa tttaatcatg agtttctttg tgtgtgtgtg tgtgtttttt tccaaagaat 120

tgcaaaggat tttagctgca acaaaaacat cgcaaacagt aacaaaactg gcatcttcct 180

caatgccata gtataaattc atgctttaac atttgttggg atggtcaact cttgagatgg 240

tgcacgtaga aaacccacgc acttgctcat ctgcgcacct gagttgtgat gaaaacaact 300

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accttggntc acctaagcac aattcaacat taa 393

<210> 4556
<211> 382
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

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gaagagggct ctgtttggcg tctacgacaa cattggaatc ctggggaatt tcgagaagca 120

cccaaaagaa ctgatcaagg gcccagtatg gcttcgaggc tggagaggaa atgaattgca 180

gcgttgtgtc cgaaagaaga aatttgtggg aaacaggatg ttcattgagg acctgcataa 240

ccttaacaaa cggatcagct atntntacaa acactttaac cgacatggga agtacagata 300

ggacgggaaa tgtgtcaccc tggagaaggg gaacaggact tatcccagca aggagagagc 360

tttgtgtgct cgatgtaata aa 382

<210> 4557
<211> 395
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

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ctttgcctgt ctcttggctc ttaacaatgc ctaccctctt gttccccctc gttcatttcc 120

cagtccagcc attttcccac tcctaagttc tttactgtta agaatgagag aatcgtcaga 180

agtaatatta gtgagtagaa ggatagctgt cacccgaccc cattcaaatc agagtggacc 240

tgtgaaactc tcaagtgaca tccaaggtct tttgaaatca tgaccaaatt cccgtgtctg 300

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cttgagtttc ttgggacttc tcacaaatac ctggg 395

<210> 4558
<211> 406
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<400> 4558
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gtactgttct tgggccaaag tcctgaggaa gagaatccag acagctgaga attttgacta 120

tcaaaaaagg attgcgtttg atttaccatt gtggtagatg agttgtctct gatggttgca 180

attcccattc gccaaatgaa agacatcgac cagcacacaa gataccatgg acctgtgttt 240

agaccaagaa agccacaaaa ggagtgaaaa gaggcaggaa gngggcactg gaacacgcaa 300

gagggttgna ctactcggcc tttcttccat tccaagttta gtgggacaca gagccttcct 360

tgttaagaga attgtttgga atccctcctt gggttatctg ttagat 406

<210> 4559
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
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<222> (242)..(242)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<222> (275)..(275)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (349)..(349)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (373)..(373)
<223> n is a, c, g, or t

<220>
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<222> (390)..(390)
<223> n is a, c, g, or t

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<222> (393)..(393)
<223> n is a, c, g, or t

<220>
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<222> (398)..(398)
<223> n is a, c, g, or t

<220>
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<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (479)..(479)

<223> n is a, c, g, or t

<400> 4559
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agccnaccat gtcgtatgtg attctgaaga ctttggctga caagcgggta cataattgtg 120

tgtcccttgc taccttgaag aaagctgtgt ctatcacagg gtacaatatg acccataaca 180

cctggcgctt caagcgtgtg ctccagaatc tactcgataa aggcatgatn atgcatgtga 240

cntgctgcaa gggtgcntcc ggctccctnc tnccntgtgc aaggagcggg ccntcaantc 300

caaccacagg gccaagagat gccaggacag acagaagagc cagaagccnt cagaagcctg 360

ggcagcgtga ntntgaacca tgccaattgn tantaagntc caaaaagaag aatgaccagc 420

ttttcaaagg antccgtagg gtggccaaag gcaaccgcca ttgccattat taaggcagnt 480

caggcggggt gccaggcttg ccaccaagtg ggaat 515

<210> 4560
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<400> 4560
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atcacggcaa cagcaaggaa gatttcctct ccaagctttt catcctacta taaaggagga 120

ttcgagcaga aaatgagtaa gcgagaggct agtcttattt taggtgtaag cccatctgct 180

ggcaaggcca agattagaac agcacacaag agaattatga ttttaaacca tccagacaaa 240

ggtggatctc cttacttagc atccaaaata aatgaagcaa aagatttgct cgaagcatcc 300

agcaaagcta actgatgcta aaggactgta cataccgagg gaaaatggaa caaacgcaca 360

gctgtaaaag tccttcagaa gaatgtggca cgtgntcgtg ttccatactg acccagtctg 420

ttttctgtca ttaa 434

<210> 4561
<211> 407
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<400> 4561
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tctctgccac caatgcgtcc ctggcccgcg cctcctgtgg cacagaaggc tttcgcaatg 120

ccaagaaggg caccggcatc gccgcacaga cagcaggcat agctgccgca gcaaaagcca 180

caggaaaggg agtgacccac atcagagtcg tagtgaaagg catggggcca ggacgctggt 240

ctgccatcaa aggactgacc atgggggtc tggaagtgat ctcaatcaca gacaacaccc 300

cggtcccaca caatggctgc cgaccccgga aggctcgaag gctgtgacgg gaagggancc 360

tgcacttgga cctgncctca gntcttgact cctgtggatc ctacaga 407

<210> 4562
<211> 389
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<400> 4562
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ggctgagttc ctcctggtct accatgactg cgtgctccct cttctgcact cgacactgct 120

gccccccttt aggtgggccg aggaagagac agaggctgca agatggaaag ccattgctga 180

cttcctcaag cagagccggg agaacgaggg ttccctgaag gctctgctgt caccagatgg 240

agttcacaaa ccatttgacc tttcggagca gacctttgan ttcttngggt gaaataagaa 300

agaantcagg ctaatggcga ccatgntccg attcccactg gacccaggga gcttccagga 360

agacttgcct caaacaactg agccaaaga 389

<210> 4563
<211> 440
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<400> 4563
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tggatgctct caggagttcc tggtctgaga aagaaagtac actaaagcga gcagagaaga 120

gagacaaaga gctcctaaag gctgagttcc tcctggtcta ccatgactgc gtgctccctc 180

ttctgcactc gacactgctg ccccccttta ggtgggccga ggaagagaca gaggctgcaa 240

gatggaaagc cattgctgac ttcctcaagc agagccggga gaacgagggt tccctgaagg 300

ctctgctgtc accagatgga gttcacaaac catttgacct ttcggagcag acctttgant 360

tcttngggtg aaataagaaa gaantcaggc taatggcgac catgntccga ttcccactgg 420

acccagggag cttccaggaa 440

<210> 4564
<211> 187
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (39)..(40)
<223> n is a, c, g, or t

<400> 4564
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taggtttggt ttggtttcat tttaattact ctagggaaaa cactgacgaa tggtcagcgc 120

tcctgtcctg atcttttcat caaggcgcct ttcctgtact atggttcagc tgtgaatgta 180

gctatgg 187

<210> 4565
<211> 571
<212> DNA
<213> Mus musculus

<400> 4565
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tgtccaaagt ggagaaatac gagatctcac cagaagctta cgaacggagg cagaacacag 120

ttcgatcctt catgaaacgc agcaagctag gcccgtacaa tgaagaactc cgggcccagc 180

aagaggcaga ggctgcccag cgtctcagtg aggagaaggc ccaagccagt gccatctctg 240

tggggagccg ttgtgaggtg cgggcacccg accactccct tcgcaggggc actgtcatgt 300

atgtaggact cacagatttc aagccaggct actgggttgg tgtccgatat gatgagccgt 360

taggaaaaaa cgatggcagt gtgaatggga aacgctactt tgaatgccag gccaagtatg 420

gtgcctttgt aaagccatca gctgtcaccg taggagattt cccagaggag gactacgggt 480

tggacgagat gtgactgtac ctggaaggag gccccgcccc tgacacagcc cctctgaatg 540

cctgtggccc ttttcctctg agatttgtgc a 571

<210> 4566
<211> 438
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<400> 4566
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atctccntga aaagctggta gcaacaaggc tcggctgggg atggtgtttg acttgggagg 120

aaaaagttgc tactgccatt aaaggcacta gagttagtgt gctagccctg aataatctca 180

gtttctaaaa acatgcagct tccttcaccc ctttttttatt tttgaaagaa tacatttggt 240

cataaagtga aacccgtatt agcgagtacg tggcaatgtt cattccggtc agatgcagct 300

ttntcctcca tctgntctcc cgcgtgaatg cttccctcnc ctcagtaggg agaaacagtg 360

ggagttctga gatgcctggn gtttngccat cggacaaaga atgaggttag aagactgcag 420

tttggagtct ctctgggt 438

<210> 4567
<211> 213
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (151)..(151)

<223> n is a, c, g, or t

<400> 4567
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ctccatgtta actcagtgtg taggttcggt atgtgtggat atttattttg gcatatgaat 120

ttctctggct gtaagattta tcagaatgcc nttgtaagac tttttcctgc atcataattc 180

agcaacccga gatttgcaaa acctgcccag caa 213

<210> 4568
<211> 462
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<400> 4568
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aacttagcca gagcacctct gagctaaaag acagtgaatt gtggaataaa ttctttgtgc 120

ggattctgaa tgccagtgac aagtccacag tgtctgttct gggggagctg gcagcagaaa 180

tgggtggggc ttttgatgcc acattccata gccacctgaa cagagccctg tggaagctgg 240

ggaagacaat cagcccggaa gctttgctca ctcagcaaga caagcagcca ggcggctccc 300

agagccctgc ctaagccatg ggnatggtga agaactggtc tggggctgct gtgatttgtt 360

tagagcacac ttagacacat cagcagtcct tcactagggg tcactctcag tagcacagct 420

ttcagccagg tggctgtgcc ctggcagcct catctggttt at 462

<210> 4569
<211> 334
<212> DNA
<213> Mus musculus

<400> 4569
ggttttgctg cccagactct gaaaagttgg gactctgtga agccctgctt accacgagcc 60

tctttctgtt cctaacagta gtttacaagg acacagatgg tttgtattgt catcggatcc 120

agttgtcatg gacccatgcc tggggagatc tggacaaagg cttttcaagg ctctgagtga 180

tctaagccaa atatttgact ctaaacaggt gtccatgggc aaaaacactg acccacttga 240

aaaaaaccaa ctgtcctccc aaagcacaag gcatcccagt atcccttggg tgtcacctgt 300

cccttcccca tcagcctttc tgccatagag gact 334

<210> 4570
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
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<222> (415)..(415)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<400> 4570
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gcctcagccc tgagtccaag aagatcctga cacctacact caagaagcgg agccgagccg 120

gccgtggaga gaccaccaag ccagaggagg gcactgaacg gccagagccc atccagcctg 180

tgacactcaa cctgtctttc aagcgctatg tctttgacac ccagaagcgc atggtacaga 240

ctccctgaat gaaccatcct gcccagctgc aagccagacc acagtgccag atgcccccag 300

acatgcctcn acctccccag ntntgaggcn agtcaacccc atcccactgc cattgcactg 360

ttattgagcc ccnattgaga aaacctgggg aaaatgagga acagtgccag gaggncctnc 420

cactccatcc ctgaacccac tcaggatagc aacgaggcct actagaaa 468

<210> 4571
<211> 195
<212> DNA
<213> Mus musculus

<400> 4571
aggctataga aagcgccatc ggtggtaatg cctaccagca cagcaaagtc aaccagtgga 60

ccactaatgt cctagaacag actttgagcc aactcaccaa actggggaga ccatttaaat 120

acattgtgac ctgtgtgatc atgcagaaga acggtgctgg gttacactcc gcaagttcct 180

gcttctggga cagct 195

<210> 4572
<211> 476
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<400> 4572
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gacatatcca gtccagtcgc atggtggaaa ctacctgggc cacggcattc accaagtatc 120

tgttgcccag aactataacc taggacctga tcctatgggc tcgctgagat ctctgcctcc 180

aaatatgaac tcggtaacag cacacaccgt ccaacctcca tacttaagca ctggacagga 240

cactgtctcc aacccttctt acatgaacca gagctctcgt cttcaggcag ctgctggtac 300

agctgcttac acacagcctg tggggatgtc tacagatgtn tnttntttcc agaacacagc 360

atccggtttg cctcagctgg ctggctttcc agtggcagtt cctgcacctg tcgctgcaca 420

gccacaagca agctaccacc agcagcntnt cctgtagaga cgcaccagga cctgct 476

<210> 4573
<211> 378
<212> DNA
<213> Mus musculus

<400> 4573
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atcctggcct tcccctgcaa ccagtttggg aggcaggagc caggaagtaa tcaagaaatc 120

aaggagtttg cagccggcta caacgtcaag tttgacatgt acagcaagat ctgtgtaaat 180

ggggacgatg cccacccact gtggaaatgg atgaaagtcc agcccaaggg caggggcatg 240

ctgggaaatg ccatcaaatg gaactttacc aagtttctca ttgataagaa cggctgcgag 300

gtgaagcgct atggtcccat ggaggagccc caggtgatag agagggacct gccgtgctat 360

ctctagctag ccctacaa 378

<210> 4574
<211> 353
<212> DNA
<213> Mus musculus

<400> 4574
tgttgttgct cagtcagttc atccggcctt atggaggcat gctgccccgg cgggtcacag 60

gcttgtgccg ggaagaacac cgaaaaatcg aggagtgcgt gaagatggct catcgagcag 120

gtctgttacc aaatcacaga ccacagcttc cagaaggatg cttaccaaag gataaaccca 180

agctcaaccg ctatctgact cgctgggctc ccaagtccgt caagcccatc tataaaaaag 240

gccaccgttg gaacaaggtg ggtatggccg tggggtcacc actcctgaaa gacaatgtct 300

gctactccag aaggcctctg aagatgatgc attagtggga gcaggacttc tga 353

<210> 4575
<211> 534
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<400> 4575
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ggtttgatcc atatacggaa gattcctcgg cttaataact tgacttgtga tgaatcggat 120

gtcaaagact tagcttttaa gttaaaaagg aagctgttca ccattgagcg actgcatttg 180

cctccagact tgtcagacac agtgggccgt tcaagcaaac aggatctggc agcatccacc 240

gcgcggctgg gtgcaggctg tagctccatg gccgaaaggc aagaagcacc tggacttcta 300

gggaccctcc gtagtcaccg agtgcgaagt tatcttgaca ctctgattag gactgctagt 360

agttcatgta aacatttntc ttaatgatct gaccctccag actttgagaa atacaaggtc 420

acaaagtgga nccaccatcc ttaagtttga gttgtttcat gatttatttt tttntactga 480

cttttgtaca aacataatat ggcagaaata ctgccatttg acatttagct gctg 534

<210> 4576
<211> 274
<212> DNA
<213> Mus musculus

<400> 4576
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gggtcagcca aaggtccagg ctacaccact gcatggaaac caggaagcaa ggagtgcact 120

cactgcaaag ttcttcccag gagcagttac ggctggaggc taaaagggag agcttttcca 180

acagagaggt ggggactaag tgggcagcat atgcctggcc atctgttact ctctcgcccg 240

cacactacaa cacacatgcc catgacagca ggga 274

<210> 4577
<211> 338
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<400> 4577
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ctcagcatgg aggaaaagtc agaagactgt aaggtcccag aagatctgtt caatggtctg 120

aaagtcgcag atcctcaaga aggagagtct gccagcccca tggtttctga tcccaagggt 180

cagcactgcc agagcaagct gccgaaggct gctgaagccc atccacagga cgaccatgtt 240

gaagaggaat gttttcatga ctgtagtgcc tcgtttgagg aggaacagcc aggggcgcac 300

gtggcaggga gcaaagccag cgatgattct agttctga 338

<210> 4578
<211> 358
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(180)
<223> n is a, c, g, or t

<400> 4578
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cgcccggtgc cctgcgtcgc cgcgtcgtga ggttcaagga cactttcacc gaggaactcc 120

gccgtnggcg ntccgggacc gtccagggca gcagaagggt ccgggcgcca aagcgtaann 180

cacgggactg gaccctcccg ggccgaggtc acgtacccgt cccttcagtg atctacaccg 240

acctcagcag tcacgagtca tctccaggac gctacgctgc ttcgaatcct aactcggatt 300

gtcctacaga tgcctaaagt caaatggaca tgtgcccggt agtcctgcag acgtaaag 358

<210> 4579

<211> 375
<212> DNA
<213> Mus musculus

<400> 4579
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agcacctgcc ggagtccatg tgcagggctg agtccagagg ctgaacaaga ctacggccca 120

ggttcccaat gtatcatcca ctccatgaac catggagaag agagccagtc cagcccatcc 180

cttctcacag caggagccgg gaagagttcc tttcctcagc ctggccaatc tcttgtcatc 240

tccacagcca ggccaaaatc tgtcttcatt ggtaaatgcc caaggaccag cggtgggagg 300

attatctatc agtgagggct ctcaacctcc ccatagctaa gggttaagtc tttgtagcca 360

aagggacatc tgagg 375

<210> 4580
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (88)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
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<222> (423)..(423)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<400> 4580
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gcacataacc tgccaggaaa ggaaagcnnn nnnnnnngca ctcagtgctg catggcctct 120

ggtcatcagc ttggtggcgg gcagttcttc tnnnaaggca gaagtctcct cactgaggca 180

gacaatgcat gtggagttgg atatggaagc cttgtgaagg gcagacctcc ccaggcctca 240

ggactattct gtggaggaaa acctggcnnn nncnnnnnnn nnnnnnnnnn nggaggcagg 300

ctggcaggga gggagggntt ttgacagtag cacagaccag acatagcggc atagctatgt 360

accagagtgt accagaggct ggcaggcagt ggcagatgtt ggggtcattc aaatcctcac 420

ttnggggggc taaagggnac aaaantatnc tggaaatgcc tgtgacttca tggtcttac 479

<210> 4581
<211> 424
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgatcatcaa tctctgggca ctgcatcacg ataaaaatga atgggaccag ccagatcggt 120

ttatgcctga gcgcttcttn agatccaaca ggaagccatc tcattacacc cacacccagt 180

tatttgccct tcggagctgg tccccgatcg tgcattggag aggctctggc ccggcaggag 240

ctctttatct tcatggcctt gctgctgcag aggtttgant ttgatgtgtc agatgacaaa 300

cagctgcccn tgtctggtgg gtgaccccaa ggtgntcttt ctgatcgacc ctttcaaagt 360

gaaaatcaca gtgcgacaag catggaagga tgcacaggtt gaggttagca cctagaggcc 420

gaat 424

<210> 4582
<211> 334
<212> DNA
<213> Mus musculus

<400> 4582
aagtatccag gatgatctcg ctaatttcac agactatatt taccaaatgc gtttgcccct 60

ggttcctagg aatacagtat caaaatctat taagaataac attaggttgt cggaactact 120

aagcaatcct aatgtactca gcaatgaact caagatagaa ttcctcatcc ttttgcaaat 180

gctgcaaaga aaattaagca gaaaactgaa tccagggtgg tttgatgtca agccaactgt 240

gggagaaatc acaatcgacc gtcttcctgc ccatagctat aagcgcagat acaagtcaag 300

aggttcaaag gagaaagctg cacaaccttt atca 334

<210> 4583
<211> 223
<212> DNA
<213> Mus musculus

<400> 4583
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tgacgctggt agatgagact aacatgtacg aaggtgtagg aagaatgttt attctacagt 120

ccaaggaagt aattcacaac cagctgttag aaaaacagaa aatagcagaa gaaaaaatta 180

aagagctgga gcagaagaaa tcctacctgg agcggagcgt caa 223

<210> 4584
<211> 423
<212> DNA
<213> Mus musculus

<400> 4584
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ccacttgact acccccttgag ccctccgaag atgagattca cctgtgagat gttccatccc 120

aatcatctat cctgatggca gagtctgcat ctccatcctg catgctccag gtgatgatcc 180

catgggttat gagagcagtg ccgagcggtg gagcccagtg cagagtgtgg agaagatcct 240

gctttctgtt gtgagcatgc tggcagagcc caacgatgag agtggagcaa acgtagatgc 300

ttccaagatg tggcgggatg accgggagca gttctacaag atcgccaagc agattgtcca 360

gaagtctctg gggctctgag gctacccctg tgcacactga gcactctgct cgagaacctg 420

tgg 423

<210> 4585
<211> 300
<212> DNA
<213> Mus musculus

<400> 4585
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acagccagct acagactgct accggccatc actctgcttg agcctgtgga aggagaagcg 120

gctgaggagc tgagccagtg tttctcccct ggcgtgattg aggtggagga agtacaaggt 180

aaaaaggtgg ccagggtggc caatgctcgg ctggatacct tcagcaggga aatcttccgg 240

catgagaaac tcaagaaggc tgtgcggctt gcccgggttc gggaccatta tatcttttct 300

<210> 4586
<211> 475
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctccgagatg tgttccagct atactgcagc ctgagccctg gtaccactgt gcgagacctc 180

atnggccgcc acccccagca gttacaacac gttgatgaaa ggaagctgat ccagtttggg 240

ctgatgaaga accttatccg gagactacag aaatatccag tccgagtgtc tcgggaggag 300

cggangccac cctgccaggc tttacacggg ctntcacagc tatgatgaga tntgctncaa 360

gacaggcatg agctaccatg agctggacga gcgactagaa aatgacccca acatcatcnt 420

ntgctggaag tgaggctggc tagctggaac atgttactat ggctacttgc cccta 475

<210> 4587
<211> 315
<212> DNA
<213> Mus musculus

<400> 4587
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tccgctgccg cctgccggga gcctatttct tctccttcac gctgggcaag ctgccgcgca 120

agacgctgtc ggtgaagctg atgaagaacc gcgacgaggt gcaggccatg atttacgacg 180

acggcgcttc gaggcgccgt gagatgcaga gtcagagcgt gatgctgccg ctgcggcgcg 240

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gcaagtacat cactt 315

<210> 4588
<211> 455
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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agctttgagg acttcctgga cctcctgagt gtcttcagtg acacagcaac cccagacatc 120

aagtcacact atgccttccg catctttgac tttgatgacg atggaaccct ggacagagaa 180

gacctgagcc agcttgtgaa ttgcctcacg ggagagggcg aggacactcg gctcagtgct 240

tctgagatga agcagctgat tgacaatatc ctggaagagt cagacattga cagggatggg 300

accatcaatc tttccgagtt ccagcatgtc atctcgcgct caccagactt tgccagctcc 360

tttaagattg tcctgtgatg tcttctaagt accaacatcc tgtccaagac ctggccanct 420

gctgagatgt ggccaaggtt atgcctgcgg tgtca 455

<210> 4589
<211> 568
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (390)..(390)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (459)..(459)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (516)..(516)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 4589
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gaggcncaga aaaaggaaag ggtgtctcan cccgctttct cgcttttcgc tttagccatg 120

gcggagacag gggccgggat aagtgagacc gtcactgaga caacggttac tgagacaacg 180

gttaccgaga caaccgagcc agagaatcag agcctaanta tgaaacttcg gaaacgcaag 240

ccagagaaga aggtggagtg gtccagtgac actgtggaca atgagcatat ggggcgacgc 300

tcgtcgaaat gctgctgtat ttatgagaan gcctcgggcc tttggcgaga gctccaccga 360

gagtgatgag gatgaagaag aaggctgtan tcataagcac tgtgtacggg gtcaccgcaa 420

aggacggcnt cctacaaccc cagcacccac cccaaccant cctccacagc nctcctgatc 480

cctntaagcc ccctccagga cctatgcagc actaanatcc ctctcaccat tcatgtntct 540

ngcctgcccc aaatatatcc atctgaca 568

<210> 4590
<211> 530
<212> DNA
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<222> (209)..(209)
<223> n is a, c, g, or t

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<222> (286)..(286)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (479)..(479)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (502)..(502)
<223> n is a, c, g, or t

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tcctgtggcc ttccgctgtg tctggacaac actaacacag gacccttgtt gctacctggt 120

tctgactcca gacaaccaca atgccaggta cggggtctct gagcagcagc cagtgcagat 180

ccccatttgc agtaagattg tacctcagng gtacaattcc tcaccaagga agtggctgca 240

gggacactgg tgccacggct cctgggccag cccttatgtc tgaaanctgg ttgccaacag 300

ccccgagcca aggcaaggat ttgtgtttgc caaaaatgtt nctggggacc cagccagtgt 360

gggtctgaac atccccgccc acccccagac tgcattntca tcagggtttc ttgtgcccnt 420

tctgctgtgg cagtgacaac tgtgcctagc cggggctgcc acagctccca ggtattttnt 480

acaggaccat ctgagcgggc anccaaacct gcttcacagt atcaataaag 530

<210> 4591
<211> 343
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

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<222> (107)..(107)
<223> n is a, c, g, or t

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<222> (156)..(156)
<223> n is a, c, g, or t

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<222> (162)..(162)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<400> 4591
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tgtatagtta taaataccaa catgatgatg gcagagtctc ntacccnctc tgctttattt 120

tctccagtcc tgtcgggtgt aagcctgagc agcagnatga tntacnctgg gagtaagaac 180

aagctantcc agactgccga gctaaccaag gtatttgaaa taagaaacac tgaagatcta 240

actgaagaat ggttacgtga gaaacttgga tttttccact aatgtgaact tctgtgtttc 300

taaagtattt atgtattaaa cctgaccata ctggaaccag aca 343

<210> 4592
<211> 523
<212> DNA
<213> Mus musculus

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<222> (346)..(346)
<223> n is a, c, g, or t

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<222> (362)..(362)
<223> n is a, c, g, or t

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<222> (370)..(370)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (394)..(394)
<223> n is a, c, g, or t

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<222> (408)..(408)
<223> n is a, c, g, or t

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<222> (438)..(438)
<223> n is a, c, g, or t

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<222> (456)..(456)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

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gtttccgcca gcagagagat tgcagccttc ttccctgact tcagtgaaca gcgctggtat 120

gaggaggagg aaccccagct gcggtgtggt cctgtgcact acagtccaga ggaaggtatc 180

cactgtgcag ctgaaacagg aggccacaaa caacctaaca aaacctagga gacccagcca 240

agtaaagtcc cgaggactgg tcgcagtgtt cagcccttcc tcctagggtc agggaaggtg 300

gtctgaaggc actgtccctg ttggacccct ccatgagctg gcgagntcta gccgaccaca 360

gntcagctgn ctgcagtcca gttctatnta cctnttcctg tggagtantc atgggtgttc 420

aggaaggatg gtgacgcntc tttttacaaa ggactntcnt ccttcctcaa gaaagagcct 480

gcctgttgac tagtcaggaa aatgcagtgc ctgggtaacc agc 523

<210> 4593
<211> 532
<212> DNA
<213> Mus musculus

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<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (299)..(300)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (367)..(367)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<220>
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<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(402)
<223> n is a, c, g, or t

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<222> (406)..(406)
<223> n is a, c, g, or t

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<222> (467)..(467)
<223> n is a, c, g, or t

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<222> (471)..(471)
<223> n is a, c, g, or t

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gcgaaaactt tgagaattac gtgagagaac tgggagtgga atgtgagccc cggaaagtcg 120

catgtttaat aaagccaagc gttagtatta gtttcaatgg ggaaaggatg gacatccaag 180

caggaagtgc atgcaggaac acggagatct ctttcaagtt gggggaagaa tttgaagaga 240

ccactgcaga caaccgaaaa gtgaagancc ttataacctt tgaaggtggn tnaatnatnn 300

caggtccaaa aatggcttgg caaacagaca acaattaaaa gaaaaattnt ggatggaaaa 360

atggtantgg agtgcaccat gaacaatgtt ntncagcact nngatntacg aaagggtgta 420

gcagaagggt agacaccagc aagaacttgg ccaccacaaa gaacttnccg ntcaagaaag 480

ccagccccag ggacagtgat ttaagacatc accagcatta agttttgctc aa 532

<210> 4594
<211> 386
<212> DNA
<213> Mus musculus

<400> 4594
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gccttagggc tcttcaagcc tcatgattgt acaacctact cgaaatatga cagcactgtt 120

gatagtgtgt gttgctactg tgcttctgtg cctataagac tattgataat ttgtttagtc 180

atatatggtc agtagtctgt cttttcaagg tcatctgcta atagaatgta tgcccatttg 240

caaaactgtc ataccactga actgagctta tgttgcactg tggatttctc cactgacaaa 300

gcttatttac gacatcctaa aagcagcgtt ttttctattt gtgaaagtta ctgattgtac 360

tggtattacc tcagtattca tgcact 386

<210> 4595
<211> 477
<212> DNA
<213> Mus musculus

<400> 4595
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caatgagtgt ccatgtgatt ttgactgcaa atttcgctta tttgattttt agcggagacg 120

tccttgctct tacttgtgga tcaggagagg ttttcttagc ccttctaagt gttcccaacc 180

cgtgcgctgt agaacagatt gcgcaaactg acagcagagt aaaaggggggc ggggcttcac 240

ttccggcatc ccaccagtcc acgcccgccg ttttcacctc tccagactcg ccactccttt 300

attcatttgc aactgcaaat gtagcaattt gcaatcctaa tacagggcca gggcggtgga 360

taccttaaag ttttatttga cttcatttag tgctttctgt ccatttttaa tgacttttgt 420

ttttttgttt ttgtttctcc agccccatct cctccctctg ccctagtatg aaacttg 477

<210> 4596
<211> 404
<212> DNA
<213> Mus musculus

<400> 4596
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tccgagaaca tgaacatgtg gtggaatgca tttcctgggc tccagaaagt tcatattctt 120

ccatctctga agcaacagga tctgagacta aaaaaagtgg caagcctgga cctttcttgc 180

tatctggttc cagagacaaa actattaaga tgtgggacgt cagtactggc atgtgcctta 240

tgactcttgt gggtcatgat aactgggtac gtggagttct gttccattct ggggggaagt 300

ttattttgag ttgtgctgat gacaagaccc tccgtgtatg ggattataag aacaagcgat 360

gcatgaagac cctcaatgcg catgaacact ttgttacctc cttg 404

<210> 4597
<211> 549
<212> DNA
<213> Mus musculus

<220>
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<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
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<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

<400> 4597
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tttggagagt ctcatggggc aagtgggagt gtccaggaca caagcaataa cagcgtggag 120

tagaaggctg agagaaatgg ctggtctctg tggctttgtt tcatgtagcc caggctagtc 180

tcaganttgt catctgggag gctagccttg agctgcttgc tgaccctccc acctctgcct 240

tccntggttc tgggatggtg ggcacgtgcc cccatgtccc acatcagctt tcatccatgt 300

tattgtgggt tgcttggttt gctttggttt ttcaggatgg ggcctcattg tgtagctctg 360

actntcctgg aactcactct gtagnccttg aactcagctc cacctnctc cctcccaagt 420

gctnccatta aaggcgtgtg ccaccatgcc tgaactgaga ggtttttta atactatcta 480

gtantccttt atttggatca gtcacaacct agctttgtac tgttgaaatc gtattgtttc 540

cctttgagg 549

<210> 4598
<211> 396
<212> DNA
<213> Mus musculus

<400> 4598
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cccggcttct gaataaattt acggagaacg acagtgagaa ggttgacaga ctaatggagc 120

tgcattttaa atatctcagc gcaatgcagg tggccgacaa gaagattgaa ggggagaaac 180

atgacatagt gcggcgtggg gagatcatag acaatgacat ggaggacgag ttctacctgc 240

ggcgcctgga tgccgggctc ttcatcctac agcacatctg ttacatcatg gcggagatct 300

gcaatgccaa tgtcccccag attcgccagc gggttcacca gatcctgaac atgcgtggca 360

gctccatcaa gatcgtcagg cacatcatca aggagt 396

<210> 4599
<211> 445
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

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gcaagtacta taaaaacgtt tatgttaaaa tgtttgtttt catgtagatg ttttcttgat 120

ctaagcaaag gctattttcc ttggctctac aaataaacat gccgagaatg aaggaggccc 180

atgtggttgt taatgtgaac acggctatgc agtagggatt tcggaaggga ttaatctcaa 240

atattctgct ttttaattct ttatattatt tgtaaactgt gtgttcccat gctattagga 300

agtgtatatc taggaatgga tatacgctat cnaatgggtc atagggantn ttccacactt 360

cttccatnta tactgcaata aaaatactgt gatntacttt ntagtattcc ttccccctag 420

gtttctcaat aacaggtaca ccaaa 445

<210> 4600
<211> 533
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (472)..(472)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<400> 4600
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agattgaggt cctggtggac gctgaccctg tggtggacaa ctcacaaaag cgctaccggg 120

ccgccagtgc cttcttcacc tacgtgtccc tgaaccagga gggcaagcca atgcctgtgc 180

ctcagcttgt gccagagacg gaggatgaga agaagcgctt cgaagaaggc aaaggccgtt 240

atctgcagat gaaggcgaag cgacagggcc acacagagcc tcagccctag gtgtcttcct 300

cctgtcccgg gtcagcacag ttgtggcaat agcccagtat gcagtcactt agaaattgcc 360

cccttggcca aacccccgat ttccactgag agctggtgtt gtgtgaagtg ttgagtggca 420

gtgttcccta tggcccatcc ccaaaaacct gtgcaccaaa gctttattta tntccccagt 480

gtntgtccca aaggccacca tggacaccag agcacaccga ctggcctgaa gaa 533

<210> 4601
<211> 211
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<400> 4601
caaggatttc tacgaccatg gagaatgaga cctctttcag gaatgtaaca tttacctctg 60

ctggggactc atcccgaaac ccaagtgcct atggggttat tgcngctgct ggggtgttga 120

gtgccatcct ggtttcggcc acccttctca tattgctacg cctccgaggt cagggttatc 180

tgcccccacc agggctgttg gtggctgtga a 211

<210> 4602
<211> 473
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<400> 4602
gagagagtgt gcaaccccat catcagcaaa ctttaccaag gcggtccagg cggcggcggc 60

tcctctggag ggcccaccat cgaggaagtg gactaggctt gcgctggagt ccgcgtaaac 120

ctcttttcct ttntnntntn ttttcttttt tnttttttnn ccttttctcc cttttgtttt 180

ggtttctttt aaatgtcctt gtgccaagta agatctatta ttggaagtct ttagcctggt 240

gcatacatat gaaaggaaag gtgcaacaac ttagtttagt tataaaaggt tagttctaaa 300

antttgattt gggggaaaaa tgaggtttnt ctttaatgca tttagagcga ttgctgattt 360

aagntntttt tgttgttgtt aagcttacgt atgtacatgg agatttgctt gaaagtagaa 420

ccctgatgct cgcacacctg acctgtggaa gcttggttac actaagacac agg 473

<210> 4603
<211> 191
<212> DNA
<213> Mus musculus

<400> 4603
tatcctccag attgaatctg aaaaggctga gttacggtta aaggagcagg aagttcgaag 60

gctgatgcgt gcccgaggtg atggaccctg gtatcaattt ccaacccctg aaaaggagtt 120

cattgatcat tctccaaagg caactcctga caactgatga ttcatttgtc tgtccaagaa 180

cagtgtgtcc c 191

<210> 4604
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (475)..(476)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (511)..(511)
<223> n is a, c, g, or t

<400> 4604
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ggctggagaa ccggctgtgt gcggccacag ccaccatcct ggacaaaccc gaagaccgcg 120

tgagngttac gatacgacct ggcatgaccc tgttgatgaa caaatccaca gagccttgtg 180

ctcaccttct ggtctcttcc atcggggttg tgggcaccgc ggagcagaac cgcactcaca 240

gcgccagctt cttcaagttc ctcaccgagg agctgtccct ggaccaggac cggatcgtta 300

tccgcttctt ccccttggag gcttggcaga tcggaaagaa aggaactgtc atgacatttc 360

tgtgacggaa acaaagaacc cagggtgttt gctcgaaccg ggccagagcc cttccagaga 420

ggccctcccg gcagaatcgt ggcctggtag ataggatggt aaatccctcn ttttnngcct 480

aaacgtctgc gacttcagtg gtccattttt ntcttcccca gcctcgtgaa taattgaa 538

<210> 4605
<211> 417
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<400> 4605
tgcgagtgcg aatgtgcttt ccgacgggtt ctccttgctg ggcaccagaa caaangaggc 60

tgtgtgctag aagtggaccg cggctctgtc aggacagcat gcgaggtgtg cttgtgcatg 120

cttgtgtgca gtccttcgtg taggccagtg agctgggggg gnttattggg ggtagggact 180

ctgctgtttg ttttcataca atctctcctg ctaagttgat gctcccctga tccagctcag 240

cctgggggtg ggggtggggg caggacacag atttctggtc ctctgtcatc tttggtggac 300

tgccaccaaa cagaaagcat gtgtatcaca tctctagaaa gaagacgaaa acagttcaaa 360

ccctaatgcg tacttttgac tttaactttt atagtaaaca gactccgtgc tgacttt 417

<210> 4606
<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<400> 4606
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atgttatgaa ttatttatgt acagatacat cgtcacacat tttcatattc tctgatagtt 120

ggaatttatg tcaaatttta gttgggaatc ttgtttccta ttaagctcag gactttatac 180

cctctgaact gagtnccttt gagtcacata cataagtaga tttcatggtg aatgtancan 240

ggggnagctg ggaacaaaac angtcgtgtt agaacaactt accttntcaa gaataagatg 300

tatgctcatc ccgatctgta tgtgttggtc ccttgtgttt attgctattg aaaatagcct 360

ggatcattnt cctccagtca gagtaagtgt ttttgt 396

<210> 4607
<211> 555
<212> DNA
<213> Mus musculus

<400> 4607
aactggctac caaatactga cgcttgaaaa agaccaggag caagtggtga tgaacttgga 60

cagcagactt ctgatcttcc ctctgtacat ctgctgtaac ttcttgtata tatcaccaga 120

aaaaagaact gagagtaatc gtcacccaga aaacccagga cactgaggca ctcatcagtg 180

gccagtttta acttaatgac ctactgcgtt cacgtccaag gtgactaaca gtgaccggcc 240

ttatgaactg tgggaccctg gagatgtcct caccctcatt acatttctat gcacatatga 300

aaaagttttt taaaactgag aaagcatctg tcaaaccatg ttaaaaggat atcaactctt 360

gctttaattt agtagcagta aaaattgctg taggtaaatt tctcatttct ttgcaacaag 420

atatagattt aattttgagc ttgaatttcg atcctatcta atgttagtga gtttactcat 480

ctgtaaatgt gttcctgttt tgttaagaga atgctaagga cggagtttaa gtggccaatc 540

ataaatgctc tttca 555

<210> 4608
<211> 376
<212> DNA
<213> Mus musculus

<400> 4608

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tcgatgttga gagaatggaa gaagccaaaa ctgaacttca taaaataact aggatatccg 120

aaaatcaggg agtccctgtg cttatagttg ctaataaaca agacctgagg aactcgctct 180

ctctctcaga gattgagaag ttgttagcaa tgggggaact gagctcatcg actccttggc 240

atttgcagcc cacctgtgca atcataggag atgggctaaa ggaaggactc gagaaactac 300

atgatatgat aattaaaagg agaaaaatgt tgcggcaaca gaaaaagaag agatgaatgg 360

cagtaccttt tatatt 376

<210> 4609
<211> 518
<212> DNA
<213> Mus musculus

<400> 4609
aacatcgtgc gctgcatagt gcactccccc accaaccctg gcttcatgac gtgcagcgat 60

gacttccgag ctcggttctg gtaccggagg tccaccactg actgaactgg ccccatccta 120

gggttcttgt ctcaggactc tgccctcctc cctgtgtcct caccggctgc ggaagtgagc 180

agcttgcacc atctgtggcg ggggtgtggc cgcctggctc ctgccttgga tctgtgtgtg 240

gaagcttgtt ttttgacctt gacgtagacg cgtggtggga aaagtcctat tacagtgatt 300

tccatgtggt ctccaccagc ttagtgagtg caggacttgg cacagccttc agctctcatt 360

cctggagaag gacggcgtgt ggcctcggga tcacacttgt cacttcctgc gttgtcctgc 420

cccctctgta ttttctttcc agatgcattt tgacacatga ggagggctac atctctgagg 480

agccgggttc catgtagaac catcttgcag ggatccca 518

<210> 4610
<211> 150
<212> DNA
<213> Mus musculus

<400> 4610
gggccccgga actctggtgg agccagtgca agtcagggtg agcatccccc tatccatcat 60

ggaccctcca caccagtatc gaattcacag aaggaagagc tttgatgcat ctgacactct 120

agctttgcct cggcactgtc tgctgggctg 150

<210> 4611
<211> 381
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 4611
gaaaagcatg atcgtgtttg tttaaaacac aaggcgtggc ttagacagtt tgcaacgcag 60

tggaccgagc actcctcaca gcttcaaggt aacagcgacc gtgcccatgc cgtcctaggc 120

agcttccctt ccctcgcctt ttccttacct cccatgaatg agaaggccat ttccccttg 180

cagaccgcat acagttttag tttatgcatt tccttaaaat taactgtaga atccaggata 240

caaaccatta gtaggcaata ctattttaga atgtaacata ggaggtgtat ttancctctt 300

ttagaagtca gtgggttgaa tntctttttt ttnaaaattt ttattcatta aggtncctcg 360

tttttcttga ctttgtccat t 381

<210> 4612
<211> 577
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<400> 4612
tttgagctcg ccacaggaga ctatttgttc gaaccgcatt ctggggaaga ctattccaga 60

gatgaagacc acatagccca catcatagag ctgctaggca gtatcccaag gncactttgc 120

tctgtctgga aaatattctc gggaattctt caatcgcaga ggagaactgc ggcacatcac 180

caagctgaag ccctggagcc tctttgatgt acttgtggaa aagtatggct ggccccatga 240

agatgctgca caatttacag atttcctgat cccaatgtta gagatggttc cagaaaaacg 300

agcctcagct ggcgaatgcc nttcgacatc cttggttgaa ttcttagcag attctacaaa 360

tatagcattc tgagctagca aatttntccc agtacattgg acctacacag tggntctcat 420

tntttaacag gattaccagt gagctggctc caccctcaga cctttgtagt gctttgaggt 480

actgttgttt gacactttgc ttcctgtgca ccatggtcct ggggaaggct ggtctttgtc 540

ttcagctaag tagtttactg gccattttct tctggaa 577

<210> 4613
<211> 231
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (103)..(103)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<400> 4613
gcatgaatgg gatacatgtc tgcatggtct ttngaagtac ttggtcacca tctcctcaaa 60

tggatcatca aatccaacta tcaagncctc ccagtacgtt ntntgaagan gtatcattcg 120

acagntcctt caagggttag attatntaca cagtaagtnc aagataattc acaccgacat 180

aaanccggaa aacatcttga tgtgtgtgga tgacgcttac gtgagaagaa t 231

<210> 4614
<211> 294
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<400> 4614
gcagattact gcaaaggtgg ctatcatcca gtgaaaattg gagatctctt caatggtcga 60

tatcatgtca ttagaaagct aggatggggg cacttttcta ctgtatggct gtgctgggat 120

atgcaaggga anaagatttg ttgcaatgaa agttgtaaaa agtgcccagc attatacaga 180

gacagccttg gatgaaatta aactactcaa atgcgttcga gaaagtgacc ccagtgaccc 240

aaacaaagac atggtagttc agctaattga tgacttcaag atctcaggca tgaa 294

<210> 4615
<211> 344
<212> DNA
<213> Mus musculus

<400> 4615
gggaccttga gcagatttta tcacagtaca ttacgtttgt gaagcctgcc tttgaggaat 60

tctgcttgcc aacaaagaaa tacgccgatg tgatcattcc tagaggtgcc gacaatctcg 120

tggccatcaa cctcatcgtg caacacatcc aggacatcct caacgggggg ctctccaagc 180

ggcagacgaa cggctatctc aacggctaca ccccttcccg caagaggcag gcgtcagagt 240

ccagcagccg accacattga ctcccgtgcc cctgactcca aaccccagcc ccccagctcc 300

aagacacagg aggggtcgag aggctctggt cacctgtaca tacg 344

<210> 4616
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<400> 4616
tgtgtggaca ctttacagca tgcccatttt ctgaagtgtc ctaatctctg tagagtgctt 60

tagtttttaa tattgaattg acttcctgga atctaaattc atgacaagaa aaggctgtgc 120

cnaatttaat tttttccttt gggaattacc cctgcctccc taagaattga ccccagagct 180

ttgtgggtgc tagggaagca ccctcaagaa gctgcacctt tagtccccat attttggggt 240

ttttaatatt ttttttaagt tctgttagtg aatggcgtgt tatttaaaaa ccgtgtgttg 300

tcatttcctg gggctgagat agagttattt aacctcttat ctcgaacatt agatggatgt 360

tagaatctat ntcgtaagga cactgtgagg atttgtttaa agagtaaaag cctagaacaa 420

tgttatagtt tgttgttgaa gacttaataa aatgagtata ctgtagntta atgaggtggg 480

aaagctacta tctcatatg 499

<210> 4617
<211> 234
<212> DNA
<213> Mus musculus

<400> 4617
agtatctcct cgctcttcga acggacctgt cgccagtttg acaagctgcg gaaacgggag 60

gccttcatgg agcagttccg caaggaggac atcttcaagg acaattttga cgagatggac 120

acctccaggg agattgtgca gcagctgatt gacgagtacc acgcggccac acggccagac 180

tatatctcct ggggcaccca ggagcagtga gtcacggacg acagggaccc tcat 234

<210> 4618
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (444)..(444)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

<400> 4618
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aatcagagat tcagttgtgg aaatcctttt tgaacaagat aatgaggaga agtcagttgc 120

cactttaatt ttggattccc ttttacagtg cccaatagac accaggaagc aactggcaga 180

gaatttggta atcatcggtg gcacatctat gttgccaggc tttctccaca gattgcttgc 240

agaaatacgg tatttggtag aaaagccaaa gtacaaaaag acacttggca ccaagaactt 300

ccgaattcat actccacctg caaaagctaa ttgtgtggcc tggttgggag gggctgtttt 360

tggagcattg caagacattc ttgggagccg ctccatttca aaggaatact ataaccagac 420

gggccgcata cctgactggt gctntntcaa caaccctccc ctggaaatga tgtttgatgt 480

ggggaaagcg caaccaccgc tgatgaaa 508

<210> 4619
<211> 304
<212> DNA
<213> Mus musculus

<400> 4619
atcaatccat gatgcttgta agtgataaat gataaataag gaaactagct taattgaaaa 60

catggccata ttggaatggg atttttagtt tttctatcag acatattaga ggatacatca 120

gttgctctaa ggtagtaacc agatagtcca cacacacaaa catgaactat cactctgtcc 180

cgtctaggga ggacatgtca caggtgttct gagcgatcag gccagctgtt ggtttttatc 240

aggcaggata gttcatcctt aggctttgga attccattgg aaagtgactt cataccaggg 300

tttt 304

<210> 4620
<211> 512
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (339)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (478)..(478)
<223> n is a, c, g, or t

<400> 4620
ttggcctgtt gcttgaacgc tgcttgcatg gcattggtgg atgcaggtgt gcccatgcga 60

gccctcttct gtggggtcac ctgtgccctg gactctgatg gaaatctcgt gctggacccc 120

acaaccaagc aagaaaagga ggcccgggcc atcctgacct ttgctctgga tagcgccgag 180

cagaagctgc tcatgtccac caccaagggg ctctattctg acgctgagct ccaacagtgt 240

ctggccgccg cccaagccgc ctcacagcac atcttccgat tctaccggga atcactgcag 300

aggcgctact cgaagagctg aggcacgcca gggtagggnn ncccctccca ccatgcccac 360

cgcctaccac cgccacgagc cagcantcca ctgtgcctct gtctgtgccc atgtagcctn 420

tggtcctntc gcagcggagg ctcctgtgcc aggctggggt gggggcttag ggacattnta 480

ggcctgggta taaccctccc ttcatcagga ta 512

<210> 4621
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

<400> 4621
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tgccgctgcc gagccagaaa acgatgcata aaaaagttct ctgtccagag gttcccaaag 120

atcttggtgc tccacctgaa gcgattctca gaatccagga tacgaaccag caagctcaca 180

acatttgtga atttcccact aagagacctg gacttgagag aatttgcttc agaaaacacc 240

aaccatgctg tttacaacct gtatgctgtg tccaatcant ccggaaccac catgggaggc 300

cactatacag cctactgccg aagtccggtt acaggcgaat ggcacacttt caatgattcc 360

agtgtcacac cca 373

<210> 4622
<211> 439
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<400> 4622
gagtctctta gacaaaggcc ctctggactg agcttctcag ggacacccac accacccctt 60

accccatctt ggcatcagtc tttggtcctg tcctgggagt gtgagcctgg atggctgggg 120

ttagcttgta tgattctttg ccctgacgtt agncaaaaaa aaaaaaaaaa atactccatg 180

ctgtcccaag agccaagcta ttcagcacta aggcatttcg cacagtgcat tttgcacccc 240

ccacaggtgg gcctggctta tgccctcaga acctcgagtg nttgagtgtc ccaggacagg 300

gcacccaaga aaagacaccc tgagtttacc tggcctgata cccttctcta gggaagacct 360

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ctagtgtaca gtggagcct 439

<210> 4623
<211> 473
<212> DNA
<213> Mus musculus

<220>
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<222> (127)..(127)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acctacggaa aagactggca aaatatgaat ctgaagatta aagactggag attttgtcta 120

gaacctncca cacatgaaca tacaagctat ctccattcac ctcaggcatg tatttagaag 180

cattttgtca tattctgttc tttttccaat gtttaggctt tccttgtaat attagaacta 240

tcattcttat cttcagttct gtaattgcga agagaaaaaa aatgtaatga ttcttttcta 300

ttntcccaaa tacgcctctg tcatatgctc cagagcctcc atgcaagtac agtgagattt 360

nttcatggta gacagcagtt tagagtggga agaagagcca tccttttgcg ttagtgagtg 420

aacttttaa tgttagagaa gctggtaaca tctatacttg tacagtccct aag 473

<210> 4624
<211> 522
<212> DNA
<213> Mus musculus

<220>
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<222> (242)..(242)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<400> 4624
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gagggataac tatttgtcac taaggcaaac ctcctgagcc ctggcctcca gaaactcagt 120

ggcaaagccg agtccatgga tgtaaattgt caccatcgag acaggtacag ctgtcttctc 180

ggaacccata tgcaggattt ctgtctgttt tgaatgaaca gtagtaacag tgatctgctt 240

tngngtacat tgttcaatca agctgtgggt agtagatttg gggaaaagga gttttgggct 300

ttgttatcca acagaagaan ccggcccttt ttaataacgt ataaattata agttctcagt 360

tgagtatttg gaaccatttg gaagagagag gcatacaaac acaaaattgc tttaatgaga 420

tagtatggaa gatgcattag gcagcggtta ttgaccattc cttatgtgca gttccacaga 480

gctctgtaaa gacagtgtgt ggcccttgcc tgaattctaa ta 522

<210> 4625
<211> 395
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (109)..(109)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (114)..(114)
<223> n is a, c, g, or t

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<222> (117)..(117)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (302)..(302)
<223> n is a, c, g, or t

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<222> (309)..(309)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

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ggaagtagcc ctcccagatt ctcagacact cccattctcc ccacgccgnt nccnccnccn 120

ccnccnccat ncaanngcga ggacgccaga tacctcaana aggaaagtta aaggggggaa 180

tattgatgta catccatcag aaaaagctct cattnttcag tatgaagtgg aagctaccat 240

tcttggagaa atgggagatc ccatgttggg agaacgaaag gaatgccaaa aaatcatccn 300

tntgaagant ctcaatgcta acacagacat cacctntntg gcccggaagg tggttgagga 360

atgtaagntc atccatccct caaagctaag cgagg 395

<210> 4626
<211> 166
<212> DNA
<213> Mus musculus

<400> 4626
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ggagcttcag gaatttgata gcactcgagg ctctggcggt ggtcagagac gtgaagccta 120

taatgatagc tctgatgaag aaagtagcag ccatcatgga cctgga 166

<210> 4627
<211> 494
<212> DNA
<213> Mus musculus

<400> 4627
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gggcagcagc aatgactctg cgcacggtat tattgtcatt gcaagcgctg ttggcggctg 120

cagaaccaga tgacccccaa gatgcagtag tagcgaatca gtacaaacag aatcctgaaa 180

tgttcaagca gacagctcga ctttgggcac acgtgtacgc tggagcacca gtttctagtc 240

cagaatacac caaaaaaata gaaaacctct gtgctatggg ttttgatagg aacgcagtaa 300

tagtggcctt gtcttcaaaa tcatgggatg tagagactgc aacagaactg cttctgagta 360

actgaggcac aggagctgcg ccagcatcgc tctcgcctct tgaggagcat caacacctgt 420

tatttttagg attctgcata aagttctttt aaactggcat tcttgcctaa tgatgttacc 480

taggcaccat tgga 494

<210> 4628
<211> 407
<212> DNA
<213> Mus musculus

<400> 4628
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caaggctatt gaaattgaca acaaatgtga ctttgcatat gagaccatgg ggactattga 120

agtgcagaga ggaaacatgg agaaagccat tgacatgttc aacaaagcta tcaacttggc 180

caagtcggaa atggagatgg ctcatctgta ttcactttgt gatgctgccc atgcccagac 240

agaagtagca aagaaatacg gattaaaacc gccgacatta taaacacagg ggaaacagac 300

tgactctttt caaagaagtt taccccctct tcaactcaac cctgaagaca ctgtcataaa 360

ttgttgaacg gtggaactta gtagtccctt tgtgatgttg tcattca 407

<210> 4629
<211> 136
<212> DNA
<213> Mus musculus

<400> 4629
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tcatagtttg accagtgaaa atgttcatag aattttgtgt agttgtaccg tacgatttta 120

tcttcttcat ttattt 136

<210> 4630
<211> 281
<212> DNA

<213> Mus musculus

<400> 4630
accctcagga ggactgctca ggaatgcccc gtgcgcactt ctctggacct ggagctggac 60

ctgcaggcct cgctgacccg ccagagtcgc ctcaatgacg agctgcaggc cctgagaggc 120

ttacggcaga agctagagga gctgaaggct cagggagaga ctgaccttcc cccaggcgtg 180

ctggaggacg agagattcca gaagcttctg aagcaagcag agaagcaggc tgaacagacg 240

aaagaggagc agaagcaaga cttgaacgca gagaggttga t 281

<210> 4631
<211> 542
<212> DNA
<213> Mus musculus

<400> 4631
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atctgataca atctgtgacc tgttgggagc taagggcaaa gacattttgt atattggaga 120

tcacattttt ggagacattc tgaagtcaaa gaaacggcaa gggtggagga ctttcttggt 180

gattcctgag cttgcgcagg agctccacgt ctggacggac aagagttcac tctttgaaga 240

acttcaaagc ttggatattt tcttggctga actctacaag cacctggaca gcagtagcaa 300

tgagcgcccg gacattagtt ccatccagag acggattaag aaagtaactc atgacatgga 360

catgtgctat gggatgatgg gaagcctgtt ccgcagcggc tcccggcaga cactctttgc 420

cagccaagtg atgcgctatg cagatctcta tgcggcctcg ttcatcaacc tgctgtacta 480

cccattcagc tacctcttca gagctgccca tgtcctgatg ccgcacgagt caacggtgga 540

ac 542

<210> 4632
<211> 541
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

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<222> (321)..(321)
<223> n is a, c, g, or t

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<222> (367)..(367)
<223> n is a, c, g, or t

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<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
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<222> (435)..(435)
<223> n is a, c, g, or t

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<222> (439)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<220>
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<222> (485)..(485)
<223> n is a, c, g, or t

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<222> (513)..(513)
<223> n is a, c, g, or t

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ggacagactg gaatgacatg tccaagtttt tacagtacgg atggagatgc accactaatg 120

agaactccta ttcgaaccgt accctggtag gaaactggaa ccaggaaaga tacgacctaa 180

aaaatattgt aaagcctaaa cccttgcctt cccagtttgg acatgccttc gaaacaacat 240

atgatgcaaa ctacagcagg aagaagccac aatcaacaca tagatttnaa ncgagancct 300

cactggtttc ctggacatca ncctgagctg gatcctcctc actacaaatg cacagcgaag 360

tcaactnata tganctaact actcagaacc tcancccact cattactcct gctgtgtata 420

tgatccaagc gtganccant nttagggccc gggaatctga agaagaagaa gtagcttcat 480

ttttntctag agtagactgt agaaaggaac acntgctaag cagactcaac atcactctca 540

a 541

<210> 4633
<211> 171
<212> DNA
<213> Mus musculus

<400> 4633
gaaggagaat ccacgagttg taagaaaatg gcagacaagc cggacatggg ggaaatcgcc 60

agcttcgata aggccaagct gaagaaaacc gagacgcagg agaagaacac cctgccgacc 120

aaagagacca ttgaacagga aaagaggagt gaaatctcct aaaagcctag g 171

<210> 4634
<211> 487
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

<400> 4634
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atcaagtacc tgcgcatccc tgatgagatc attgacatgg tgcgggagga ggccgccaag 120

ggccgagggc gaggaggacc gcagcagcag aagcagcaga aaggccgagg catgggcggc 180

gctggccgag gtgtgtttgg tggccggggc cggggtggca tcccaggtgc aggccgaggc 240

cagcccgaga agaagccagg gcggcaggca ggcaaacagt gatcactccc tgcctgagcc 300

gagcccagaa cggtgggtga ggcctcaggg cacctttgtg tgaagcccca cttggcgtct 360

ggtccagtga angtccctcg ctggccnctg actcagtttc tggaaggttc cgagtnctga 420

ggtgcctgtg gagccttaga tgccctttga agggctgact tnttccaggc atgtttgagt 480

ttcagtt 487

<210> 4635
<211> 271
<212> DNA
<213> Mus musculus

<400> 4635
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tcgattacaa atgtgtccat ggaaaaggtc ccacagagca gcttgtctcc ccagagcccg 120

aagtccatga tattgaaagg tctgaagaag atgaccagtt catcatcctt gcatgcgatg 180

gcatctggga cgtcatgggg aacgaagagc tctgtgactt tgtgagatcc agacttgaag 240

tcactgatga ccttgagaaa gtttgcaatg a 271

<210> 4636
<211> 236
<212> DNA
<213> Mus musculus

<400> 4636
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aagtattggg cagccttgtg tggaacacag ctttttttact atgccgccaa atctctgaag 120

gctacagaaa gaaagcattt caaatcaacg tcaaataaga atgtgtctgt ggtgggctgg 180

atggtgatga tggctgacga cccagagcat ccagacctct ttctgctgac tgactc 236

<210> 4637
<211> 410
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<400> 4637
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aagacctggg agggacctgc tgtggaagct gtgggtgcag gctgggatag atagggaggg 120

catgcctcgc tttggatgag ggatccattt aaacactacc gtttggaatt gagggctaga 180

aggagaacat gatttcctgc aggagggaca aaggctgagt gttcacgtgc cagcaggctc 240

cagaacacac cagggttaaa gtttaacttt ctgtatgaat tcattgttgg gcccaaatcc 300

gcataggagc acggtgatcc cgcgctcggg tttctgtanc cttttcacaa ntcaggtggg 360

ttatccagcc acgggtntcc cagggaagac cctggtgttt cttgtgctgt 410

<210> 4638
<211> 467
<212> DNA
<213> Mus musculus

<400> 4638
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tttggaacta gatggccaat gttgtggtct aagctcaaag cattaacttg tatgggaact 120

gttaactaga tatatgtagt taatataact tatggtagct agattctaga agtagcttta 180

acactagtga cccctgtcta agatgactta agaatcaagg gaccattgct ttgttacaga 240

tctttttaga tattcttgct tctttagtgg gttactaaaa atttcactac gtacatgtgg 300

tacagatatc tgtctgctca tagtgtcagt ccttcagctg gcctgtcagc ccatgcgccc 360

tgggacttga gaagagttca taaacgtagc tcctagggtg tcttgcctct ctacacttag 420

cttctaattt attactttgt ttctactgat tgtgtcttaa gtctttt 467

<210> 4639
<211> 466
<212> DNA
<213> Mus musculus

<400> 4639
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agcagcccag cccaggagac ctacttccag cagctggcac ccactgcccg cagctctggc 120

ttcccaaacc ctcaggattg cgccttcagc ctcgcaggca aagccaagca gaagctgctg 180

aagcacgggg taaacctgct gtgagctggg tgcagcttgc atatcacgag ggccatgtcc 240

ccaatgctaa cggttgagcg ggcccttgct cctcagtggc agctgcaaga actgagtggg 300

ctcaggtcct gtcctgtgga agccttgagg gcggtgcaga gcaggctgca ggctcaggaa 360

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tatggtgccc agttccaggt ttatgaagca gattcccaaa ggctca 466

<210> 4640
<211> 206
<212> DNA
<213> Mus musculus

<400> 4640
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atgcaaccag tgtaaggccc ctaagcccga gggcttcctc ccgccaccct ttccacctcc 120

gggtggtgat cgtggacgag gtggccctgg tggcatgcga ggaggaagag gaggactcat 180

ggaccgtggt ggtcctggag gaatgt 206

<210> 4641
<211> 483
<212> DNA
<213> Mus musculus

<220>
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<222> (384)..(384)
<223> n is a, c, g, or t

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atgacagaga agccactggc aagatcacat ttgaagattt taatgaagtt gtgacagact 120

ggatactaga gagagatcca catgaggaga tactgaaagc atttaaacta tttgacgatg 180

acgattcagg aaagataagc ttgaggaatt tacggcgtgt tgccagagag ctgggtgaga 240

acatgagcga tgaggagctc cgggccatga tagaggagtt tgacaaagac ggcgatggag 300

agataaatca agaggaattc attgctatta tgactggtga catattaaag aatcaacacc 360

aaaatgttac ttttaccatc tatncttctc tttgtgtgcc tggagtccag tttaagaaaa 420

cgaaacaaaa caaacgtagt tctttttctg aaaggaacaa aaccaagcat cctttgtatg 480

tat 483

<210> 4642
<211> 486
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
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<222> (413)..(413)
<223> n is a, c, g, or t

<220>
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<222> (434)..(434)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

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ttgccaggta tggcaaggna cttctacacc tcgaaatacg aaggcaatgt gacgtctctg 120

cagctaacgt ctcccactga ctactccatt tttgataact attacatccc tgaaatcact 180

agtgttttgc tgttgcgatc ctgtaagact ttaacccatg agatcggaca catacttgga 240

ctgcgacact gccagtggct tgcgtgttta atgcaaggct ccaatcactt ggaggaatct 300

gaccggcgtc ctctgaatgt ttgccctatc tgcttacgna agctgcagag tgccattggc 360

ttcaatattg tggagagata cagagcactg gtgaagtgga ttgacgacga atnttgcaac 420

gaatcaggag caantccgaa aagtagttnt gagcatgcgc atttgccgaa acctgtggaa 480

gccttt 486

<210> 4643
<211> 466
<212> DNA
<213> Mus musculus

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<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<400> 4643
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cgaatcaaaa tcatcaaagc aaatgaagga atcacggtcc cagaaacaca cacggatgct 120

gaaggaggtg gtaaaagaca ccttgaagag gcaccacatc acggaggccc atgagagctt 180

cacggcctgc agccagagac tcttcgacat ctccaagttc tacctgaagg atctgaaaac 240

atcaaggggt ctctttgaag aaatgaagaa aacagccaac aacaatgtgg tgcaggtgat 300

cgaatgggtg gtagaaaaga tgancaagaa ataagctact gcacccccctt tccttagaga 360

actgtacaca ncctgtaaac tttccccaaa gagcagatnc ctcatttgta aggagggtcc 420

atggtgtcct gtatctatat agttttgtga cactcagtta ttttca 466

<210> 4644
<211> 256
<212> DNA
<213> Mus musculus

<220>
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<222> (128)..(128)
<223> n is a, c, g, or t

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atagaataga caaggctttg atgaggcctg gaagaattga caggatcatt tatgtgccct 120

taccggangc agcaaccaga agggaaatac tgaacctgca gttccactca atgccgatca 180

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tcatagcagt ctgcaa 256

<210> 4645
<211> 556
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

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<222> (299)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (503)..(503)
<223> n is a, c, g, or t

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cagaaaggca gctgtctgtt gtttgtttgt ttgttgctat tgtttttaaa ttctgcattg 120

taagcaagag cggtgggtca ttgggtccag ccactgtggc ccaggagttt ggttcttaga 180

aggaagactg caggtgtcta caagttgttc cttctgcatt cctgcctntg ggcacttggc 240

agctcccatg ngggggttgg tttacttcct tttaaaggag gtaatttctt ncccccccnn 300

nnnnnatggt ttcccaacaa cagacccaga aacttctaga actttgtgac atgagctgca 360

cttggtggct ggggactctt gttactgtta actgtgcctg gagttagcta cttgatagtc 420

ccctgaaaat cccagtgccc cttgagacca cagcaaagac cacctggggc aggcctgagc 480

cctaagaact gtgccttttt ttncaccaag taggatacca gtccatggct gttcacattc 540

ccatgactcc aaataa 556

<210> 4646
<211> 526
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<400> 4646
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ctgcccatta caagttgacc tccacggtga tgctatggct gcaaaccaac aaatccggct 120

cgggcaccat gaacctggga ggcagcctaa ccagacagat ggagaaagac gaaactgtga 180

gtgactgttc cccacacata gccaacatcg ggcgcctggt ggaggacatg gaaaacaaaa 240

tccgaagcac gctgaatgag atctactttg gaaaaacaaa ggacatcgtc aacgggctga 300

ggtctgtgca gacgtttgca gacaaatcaa agcaagaagc gcttaagaac gacctggtgg 360

aggccttgaa gagaaagcag cagtgttgaa gacctctgct tcacgctaac cggacacgcc 420

atgcactncg ttaggttcct ttctttagaa aactcgtttt ctgctccttt tccntcttcc 480

tttcccgccc tgacaggtca cataacagtt tgcatcgacc acgcag 526

<210> 4647
<211> 555
<212> DNA
<213> Mus musculus

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<222> (50)..(50)
<223> n is a, c, g, or t

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catggaaaat tgttaaccaa aataagtgta gatttcagaa tcattccagc tctactctta 120

actgtcctga atttgttaga aactgatttg aaagaaatgt tttcttaaaa ttccatacac 180

acacacacac atattatgaa ttgtctttaa ttgtagtcag aatttattat aacaatattt 240

gatttggacc attttaaaca ttccctattt taaaattcat acggcttcct taagaagtag 300

aatgaaaggg taaattggtg acatgtttgc tctctgcatt ttctaacctt ctaccgaatt 360

gtgactgact cagagagctc tagcatttac cagtgaggtt cagaaactaa actctcagga 420

attcattgca tctgttgtag aagtgcttct gggtctgagc ctggcctcct cagagtggta 480

atactgccca cttcctctgg aaaataggca gggctaatga gaaactaatc aaaatgatta 540

acctctgcgg ccctt 555

<210> 4648
<211> 459
<212> DNA
<213> Mus musculus

<400> 4648
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gagagctctc agactctgct tagtgtactc aaaagagaag ctgggaacct gactaaagcc 120

acagcttcag accagaagag tagtggaggc aaggacagct gacgagtgcc tgtttcagcc 180

gtggcctatg gctgcttagt cctcaacatg tctgtcctaa agcatctttg ttcttcgtgg 240

cctcagatgt cttttatctc tggtgcccag aggggcaatt tctgacctcc acctgcctag 300

acaagaaaag ccctaggaca gtccaatgga agaggtgttc ccagctccgt actcacatgt 360

gctgtgggga ccctgagcag ctccatgagg ggcctctctc tgaagctcct gaatcccttt 420

gggctaccag gaatgtcctg gtcctggtct gagtactgt 459

<210> 4649
<211> 482
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<400> 4649
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aagccaggag gccggtttct ctgtctggaa tttggccaag tgaatgaccc tctcatatcc 120

aggctttatg atctgtacag cttccaggtc atccctgtca ttggtgaggt cattgcagga 180

gactggaagt cctaccaata ccttgtggaa agtattcgga agttcccaaa tcaggaggac 240

ttcaaggaca tgattgaaga cgcaggcttt cagagggtga cgtacgagaa cctgactaca 300

gggattgtgg ccattcactc tggcttcaaa ctctagctcc ttttnctact gtggcacaca 360

ggccagtcat ttctactgaa ccccggggcc agatcatntc cctgatgaga cagtagctga 420

ccattcgtct cctcttacgg ccgttaagac tttggattag ctctcattag tagctgccca 480

gg 482

<210> 4650
<211> 269
<212> DNA
<213> Mus musculus

<400> 4650
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tcacacaatt agagtgtggg atgttgagtc tggcggtctt aagtcaactc tgacaggaaa 120

taaagtgttt aattgtattt cctattctcc cctttgtaaa cgtttggcat ctggaagcac 180

agacaggcat attagactgt gggatccccg aactaaagat ggttctttgg tgtcgctgtc 240

tctcacctca cacacaggct gggtgacat 269

<210> 4651
<211> 475
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
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<222> (365)..(365)

<223> n is a, c, g, or t

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<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<400> 4651
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caccatcttc gataatgggg tgaaccctga gcggagttac tgggttccag acagtgcccg 120

gatcagagag gagctgggag tcgtctgtta tgagaccaat gtcttgggat tcaggggcc 180

tcggaaaatg actgtgatcc ttccaggaat ggacagccgg aagcagagga tgaaagtcca 240

gccacaaaat gatcaggatt ccatattgag tcgcgtacag aagggcgctg gacacgggct 300

gcttctactg cagaacaagg ccccatcntg gagcgacgaa agcggcgcat acntantcaa 360

ttttnacngg tcgcntcacg cgggcttcan tcaagaantt ccagatagtg cacccggatg 420

aacccgacca cctggtgntc cagtttgncc gtgtggcccc aaacatattc acgat 475

<210> 4652
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<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<400> 4652
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gctccaattg tcaagccccc tatgactcct ctgccattga gtcagccttg gtggaagccc 120

tgcagaggaa actgatggcc ttcacacttc aggacctggt atgcctcaag tgccgtggta 180

tgaaagagac ccatatgcct gtgtactgca gntgcgcagg ggactttact ctcaccatcc 240

gcactgaggt cttcatggaa cagattagaa tcttccagaa cattgccaag tactacagca 300

tgtcatatct ccaggagacc atagaatggc tgttacagac aagccctgta tcaaactgtt 360

agcaagccta ggctaaagac actttggtat cccacaccta ctgcctgctc caaaaggcag 420

aaccactgac caccttgctt ttccaaactc atgagcacag cccagaagga acagaagact 480

tctgctaacg tcatcatgcc ataaacagac agaagcaggg aatggctcta tccctagctg 540

c 541

<210> 4653
<211> 215
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
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<222> (159)..(159)
<223> n is a, c, g, or t

<400> 4653
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accatctacc gggaagaagg catcgtagga tttttngcgg gtctcattcc tcgcctccta 120

ggtgacatca tttctttgtg gctgtgtaac tcactggcnt atctcatcaa tacctatgca 180

ctggacagtg gggtttctac catgaatgaa atgaa 215

<210> 4654
<211> 466
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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<222> (315)..(315)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (375)..(376)
<223> n is a, c, g, or t

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<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(382)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

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<222> (389)..(395)
<223> n is a, c, g, or t

<220>
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<222> (398)..(398)
<223> n is a, c, g, or t

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<222> (400)..(400)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (403)..(405)
<223> n is a, c, g, or t

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<222> (407)..(408)
<223> n is a, c, g, or t

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<222> (410)..(412)
<223> n is a, c, g, or t

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<222> (414)..(418)
<223> n is a, c, g, or t

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<222> (421)..(422)
<223> n is a, c, g, or t

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<222> (424)..(425)
<223> n is a, c, g, or t

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<222> (427)..(428)
<223> n is a, c, g, or t

<220>
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<222> (430)..(440)
<223> n is a, c, g, or t

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gctgtgctgt gtggtttgct tctagaggaa tcggttggtt ggtgacccaa gatgctgtga 120

gatcttacaa gagcagtgca aaggtgattc ntnactggga ttggtgcaga tgagcagttg 180

gcaggttatt cccgtcatcg tgcccgcttt cagtctcttg gcctagaagg actgaacgag 240

gaaatagcaa tggaattggg tcgcatttct tctanaaacc ttggtcgtga tgacagagtt 300

attggtgatc atggnaagga agcaagattt cctttcctgg atgaaaatgt tgtgtctttc 360

ctaaattctc tgccnntntg nnaaaangnn nnnnncantn tgnnncnngn nntnnnnnac 420

nngnnanntn nnnnnnnnnn gcatctgata agtgtggaag gctcca 466

<210> 4655
<211> 544
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(466)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

<400> 4655
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gtgcctttac ttcctggagc tataataacg tgcttgggtg tgtgacttgc cgaggttggc 120

tttcncaatg ctttatgtaa actctgctgt tggcacttgc agctgtagaa gctgtcggag 180

ggattactta cttacggtta tagcatctgg ggtctcttgc agctgcaatg cctgggatct 240

tttgcaactc tgacttttc agtagcagct tggaatgtta aaannntatgg tgagcctctt 300

ctctgtgaag gaagggcctg nacaatctgc cagccaggga gtcctgttaa agactgggaa 360

ctcagtgcag tggttttcct gcctttcccn ttctcctttg gtctatagtg atactgacan 420

caatacaaag taaaatctgt gtatataaaa atcctaagta tgagnntctt aaatgttctg 480

gaantttag aaaaaactta attggatgca attgtttata attaaccaag tcatcttatt 540

tata 544

<210> 4656
<211> 466
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<400> 4656
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atccgcaaag actacttaga ggagcctgag aaaactcagt ggaataatgt agagaacctc 120

actaggtttg aaagaccgat ggattactat gaagatctaa aaatgggaat gaagtttgtc 180

agtgatgaac gctacaatga aagtgaagat ggtttggttt ctcatgtaga tggctccgta 240

atttccagga gggagtggta tgtctaacag ccactgacgc gacttcacta tgtacaaggt 300

ttcattcaca ctagttgacc attttcagat tgttcatact ttttcttgag gaagaataag 360

ctttttcaag ttgatttcga gcttactttt tatattctga tctgacaaat gaaaatgtaa 420

aacctgggtt caatgtnnnt ntgagctgct ttacagtttt cactgc 466

<210> 4657
<211> 487
<212> DNA
<213> Mus musculus

<400> 4657
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gctaacagaa ctattgtgga aggatacgcc aatgtcaaga aatgcagtaa tgaggggcgt 120

gccttgatgc aattggattt tcaacagttt ttaatgaaac tcgaaaaact aactgacatt 180

agacctattc ctgataaaga atttgtggaa acgtatatca aagcctacta cctaactgag 240

aatgacatgg agcgttggat caaagagcac agggaatact caacgaagca gttgaccaac 300

ctggtgaatg tttgcctagg atctcatatc aataagaaag caagacagaa gctcctagca 360

gctatagatg agatagacag gcctaaaaga taatgaacag agctctttcc tcggggacat 420

tgatcttctt tcggcctgta cgacatgaaa ggcagttctt catacactcc tcataattct 480

cttctaa 487

<210> 4658
<211> 401
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<400> 4658
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ccagtatacg tatgagaaga cttcgggggc tgggccaaat caacagaggc cgggtgagac 120

ccagaaatcc gtgctagatc cntccacgac atggtcgtgg ctcctggcga cagtatgatc 180

ggaggcaccc aaaaggaggg ngagtgctgc accccaaaag gtaccagtga aatccatgaa 240

ctgccacctc ctgagaagcc tctcaaggag actgtagact taaaggcaga accccgtaac 300

aaagggctca caggtcatcc tcaggagaag gggcctggta gctggcaggg cccctcagct 360

cgcaggactc gggactgtgc tcgctgggaa cgctccaaaa a 401

<210> 4659
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<400> 4659

gagttggtac gctgcattcg atttgataac aaaaggatag tgagcggacg ctatgatggg 60

aaaattaaag tgtgggatct tatggctgct ttggacccgc gtgctccagc agggactctc 120

tgtctgcgga cacttgtgga gcattctgga agagttttcc gcctccagtt tgatgaattc 180

cagattgtca gtagttncac atgatgacac aattctcatc tgggacttcc tgaatgatcc 240

agctgctcac gctgaaccgc cccgctcccc ttctcggaca tacacctaca tctccagata 300

aataacccaa cactggcctc ataattgccc aggactcgtt aatgttgcag tatttaacag 360

acctgccaag accaggatga acaacaatca aactcctacc cggattcccg gacggatgag 420

cgaggagcag ggctttgaga ctcctgttgg gacacagtcg gtcagcagcc 470

<210> 4660
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<400> 4660
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tctgggtagc caatgatgag aactgcggca tctgcaggat ggcgtttaat ggctgctgtc 120

cagactgtaa ggtgcctggt gatgactgcc ccctcgtgtg gggacagtgc tcccactgct 180

tccacatgca ctgcatcctc aagtggctga atgcgcagca ggtgcagcag cactgcccca 240

tgtgtcgcca ggagtggaag ttcaaagagt gaagcccgtg ccgtgccact tccctctcct 300

gtgctgtgcc aggctncagc cccttccctc cctcccctcc cccagataca gcaccccaan 360

tcccctccac acagcacagt ggtgcccaga 390

<210> 4661
<211> 413
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (350)..(350)
<223> n is a, c, g, or t

<400> 4661
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gcctccgcta ccacaacctc catccagact acatccatga acggctgcag agcctgggga 120

agaacttcgc ccttcgtgtg ctgctggttc aagtggatgt gaaagatccc cagcaggctc 180

tcaaggagct ggctaagatg tgcatcttgg ctgactgcac cctggtcctg gcctggagtg 240

cagaggaagc agggcggtac ctggagacct acaaggcgta tgagcagaag ccagccgacc 300

tccttatgga aaagctggag cagaacttcc tatcacgggc cactgagtgn tctgaccacc 360

gtgaaatctg tgaacaagac cgacagccag accctcctgg ctacatttgg atc 413

<210> 4662
<211> 516
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<400> 4662
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acttttagaa gttctaagct ttccaagtct tatttctcta ggataaggcc catcctttct 120

gatctcctct cttcccacgg ttcatattaa gatttacttg gangtggagt aggcnaatac 180

tttgaaaggg cttgccaaat tttaactaca ttcaaggtta acttctggga aaacacccat 240

gcttagacta ctgcatatgt ccacagctcc tctgatagtg actgtggcaa aggctcacat 300

gttatacaga gtggtcctga aaggaagact tcttagaaac aggtcctgca tggttcattt 360

gaggctatcc atctttgata tgatnccaag ctctgcctgt gacattgcat ggacggcaca 420

gtagntccca agggatattg acaattaaga acaggaaaca taggttgcta cagggaatga 480

gggagaagcc agagacaggc taaagacacc tcctca 516

<210> 4663
<211> 476
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<400> 4663
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aatggaatct gcgtaaggca tactggttaa tctcaaattt attttaaaag atatatgtaa 120

ctgagaattt tttaaaccac attctgcttg ctttggtgga ctctggaaga acgttttaag 180

ggctttagga cttgagacat tgttaatctg gccattacta tacaaaatct aataattctt 240

tggaactcct tagttaccaa cttcttgtaa aagtctacat cattgtgata agtagnatat 300

ataaatacca cttataagcc atctcaatat cctatcatga tttatgatat atttgatgta 360

tttttatttt caattgtttt ctaaaagttt agttcattgt atgactttga agtgcaaatt 420

gtgttagcga aacaccttta aagatttata agggatccca ggtaattagt atatat 476

<210> 4664
<211> 265
<212> DNA
<213> Mus musculus

<400> 4664
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aggctccaag cagggccagt caagcccaga tgatcgaccc atctgcttga ctatagactt 120

tctgtccaat tcatggttaa taccaagata acctgggggg cctgtgttag ggttccccaa 180

gtagccacag gggtcagcac catatccacg cctcccaaca aaactccaaa acctgtgctc 240

agggcagtgc ctgagcccct gcagt 265

<210> 4665
<211> 76
<212> DNA

<213> Mus musculus

<400> 4665
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tccaaatacc agagac 76

<210> 4666
<211> 352
<212> DNA
<213> Mus musculus

<400> 4666
gaccggctgt cttctgctgc ttgagcggcg cccgcacctt ccctaggagc tcgcagcagc 60

cggctggcct ctgctccacg gtaaccatgt gcgaccggaa ggcggtgatc aaaaatgcag 120

acatgtcgga agagatgcaa caggactcgg tggagtgcgc tacccaggcg ttggagaagt 180

acaacatcga gaaggatatt gcggcccata tcaagaagga gtttgacaag aagtacaacc 240

ctacctggca ctgcattgtg ggccgaaact tcggtagtta tgtgacacat gaaaccaaac 300

acttcatcta cttctacctg ggtcaggtgg ccattcttct gttcaaatct gg 352

<210> 4667
<211> 177
<212> DNA
<213> Mus musculus

<400> 4667
ggaggacttg acataattaa ggagctggaa gcatcagaag agctggacac gatctgtccc 60

aaagcaccca agttagagga aaggctcaaa gtgctgacca ataaagcttc cgtgatgctc 120

tttatgaaag gaaacaaaca ggaagcaaaa tgtggattca gcaaacaaat tctggaa 177

<210> 4668
<211> 254
<212> DNA
<213> Mus musculus

<400> 4668
aatatcctgg caacatatca tcccgctgac aaagactatg gcttgatgaa aatagacgag 60

ccaaacaccc catatcacaa tatgataggt gacgatgaag acgcctatag tgattcagaa 120

ggcaatgaag tcatgactcc agatatctta gctaagaaat tagctgctgc tgaaggctca 180

gagccaaagt atcggactcg ggagcaagaa agtagtggag aggaagataa tgacctctcc 240

cctgaggagc gaga 254

<210> 4669
<211> 379
<212> DNA
<213> Mus musculus

<400> 4669
accggcgttt ccttaagctc tgtgaggaat ggccagtgga cgagaccaaa cggggccggg 60

acttgggcgc ttacctgcgg cagcgggtag cgcaggcctt ccgggaggga gagaacaccc 120

agattgcaga acccgaggcc tgtgatcaga tgtacgagag cttagcacga ctgcattcaa 180

actactacaa gcacaagtac cctcgcccca gagacaccag cttcagtggc ctgtccgtgg 240

aagagtacaa gctgatcctg tccacagaca ctttggaaga gttccaagag atgaataaga 300

gcatgtggaa gaaactgcag gagaagtttg cgcccaccag gcctgaggag aagcacaagg 360

cctggactcg ggtcctgtc 379

<210> 4670
<211> 94
<212> DNA
<213> Mus musculus

<400> 4670
tcttgcattt tgagcatgga gtaacaacct tgcttgtatc agcaacgtgg actctcagct 60

ttgctgaatg ttcagaacga ctggtgataa tttt 94

<210> 4671
<211> 170
<212> DNA
<213> Mus musculus

<400> 4671
ttttaatcca ggtgctggtt tgccaactga caaaaagaaa ggcgggccgt ctgcagggga 60

tgtggaagca atcaagaatg ccatcgcaaa cgcgtcgacg ctggctgagg ttgagaggct 120

gaagggcttg ctgcagtcgg gccagatacc tggcagagag cgcagatcag 170

<210> 4672
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<400> 4672
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gaaagtgaaa ctcaaagagc gtcaggaagc agagaaaatg ttcaagggca aacggggtgc 120

acagcttgca aaggatattg ccaggagaag caaaactttt aatccaggtg ctggtttgcc 180

aactgacaaa aagaaaggcg ggccgtctgc aggggatgtg gaagcaatca agaatgccat 240

cgcaaacgcg tcgacgctgg ctgaggttga gaggctgaag ggcttgctgc agtcgggcca 300

gatacctggc agagagcgca gatcagggcc gagtgatgag ggtgaagaag agatagaaga 360

cgacacagtc acaaatggnt cctgagctct gccagatgct ctgataagct ntcttgggac 420

aantcttgca ttttgagcat ggagtaacaa ccttgcttgt atcagcaacg tggactctca 480

gctttgctga atgttcagaa cgactggtga taa 513

<210> 4673
<211> 195
<212> DNA
<213> Mus musculus

<400> 4673
gggctggcca gtttctcatg catgcagctt gatgattgag cacagtcagg catttgtatt 60

aaaactgaaa aatggaaaaa acaaattcaa aatctcagat ggcttctagt tcaatctgtt 120

cagataaatt gtcagcagcc agtttactgc aagcaaacat ttaaaattgg tttacctcag 180

gatgattgat gtgca 195

<210> 4674
<211> 61
<212> DNA
<213> Mus musculus

<400> 4674
gaattcaagg aagctttctc cctattcgat aaagatggtg acggcaccat cacaaccaag 60

g 61

<210> 4675
<211> 324

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<400> 4675
cgttccccag gcagccaggg tgtgagggat ttcatcgtgc aacggtacgt ggagctgaag 60

aaggcgcacc ccaacctgcc cattctgatc cgcgaatgct cggaggtgca gcccaagctt 120

tgggcccgct atgcttttgg ccaagagaag acggtgtctc tgaacaatct gagtgctgat 180

gaggtaacca gagccatgca gaatgtgcta agcggcaaag cctgaaggtc tccactgagg 240

actgtgagcg agancagctg aacctgctgg actgaagaca gtgtggggaa atgtgtgctt 300

tgggtcctta taaagcttac gctg 324

<210> 4676
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<400> 4676
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tggagtggct ggaggcagca agcatgggag gaaagctgct tggaaattca tcaaggacaa 120

ctgggaggag cttcacaacc ggtaccaggg agggttctta atatccagac taataaagct 180

ctcagttgag gggtttgcag ttgataaaat ggctggagaa gttaaggctt tcttcgagag 240

tcacccagct ccttcagctg agcgcaccat ccagcagtgt tgtgaaaata tcctgntgaa 300

tgctgcttgg ctcaagcgag atgctgacag cattcaccag tacctccttc agcggaaaac 360

ctccccaccc tcggtgtgag gcctcctccg cacctgggcc tcactgcctn tntgcaggga 420

tgaggtggag ctaccaaaca gctgactcac atnccaagaa tctggantct tacaccagtg 480

ggggttggac aatgaatgta gtaggtccct gctcacactc cagaattaaa t 531

<210> 4677
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (485)..(485)
<223> n is a, c, g, or t

<400> 4677
tcactctgat tgttatggcc gcggccgtcg ctatggagac agatgatgct ggaaatcggc 60

ttcggtttca gttggagttg gaatttgtgc aatgtttagc caacccaaac taccttaatt 120

ttcttgccca aagaggttac ttcaaagaca aagcttttgt taattatctt aagtatttgc 180

tttactggaa agaaccagaa tatgccaaat atctaaagta ccctcagtgc ttacatatgt 240

tagagctgct ccagtatgag cactttcgca aggagctggt gaatgcgcag tgtgcgaagt 300

tcatcgacga gcagcagatt ctgcactggc agcactactc tcggaagcgg gtgcgtcttc 360

agcaagccct ggccgagcag cagcagcaga ataacacagc agggaaatga agagctgggg 420

ccaggtcagg ctcttaggac gtgtatataa tgtattgcta ttgtacagta cagagaaaaa 480

gactnttctg ccccctttac tgtagccctc agaaccatta gtgtt 525

<210> 4678
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (348)..(348)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<400> 4678
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aaaggaactt tgggtgtgtt actaaaggta gcggtctact ctgacaggac ccatctgagg 120

ccacgtggct gagttgggtc tgttcatctg tcttaggtaa cgatcaatac cagcatgaat 180

tgggtctgtt catctgtctt aggtaatgat caataccagc aaaacaaaag tggctttagg 240

ttggtggtga tacttttctt aagttgtctg actacagtta agcatttctc aaaaatgtcc 300

ccaaagaaat gtgaaaggat ttgccacggg acttaagaaa tgacaaancc acctcccctt 360

gtgtccccac acagaaatgc tgcagagtgt ttaaaacttg agacattttg taggacgcct 420

gacaaagcgt ancctttttc ttgtgtcagg atgcgtat   458

<210> 4679
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<400> 4679
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aggacaacat ccagactctc ttgaaagcca aagagcagga agtaactgcg cttgtgcaga 120

agttccagcg agctcaggaa gaactggctg ggatgcgaag atgctctgag acctcgtcga 180

agctggagga ggataangat gaaaagataa atgaaatgac cagggaagtc ctgaagctga 240

aggaggccct gaacagcctc tcgcagctct cctactccac aagttcatcc aagaggcaga 300

gccagcaact ggacctgcta cagcagcagg tcaagcagct gcagaaccag ctggctgaat 360

gtaagaaaca ccaccaggag gtcatctcag tttacagaat gcatcttcta tatgccgttc 420

agggccaaat ggatgaagat gtccagaagg tcttgaagca gatcctcacc atgtgtaaaa 480

accagtctca gaagaagtaa aaatggattc tttggcagga cactt   525

<210> 4680

<211> 429
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

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<222> (182)..(182)
<223> n is a, c, g, or t

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<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<400> 4680
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ctttcttgat agtctctctg cataccaaac aggcccttgt ctcctnggaa atggaaacta 120

tgaaatcaat agctgaggct tctctaggaa agcctgccct ggtcagtana ncctgtttca 180

cngcttctnt agaatantta catcagcctt ctgaagatgg cctcttagag cacatgcacc 240

cccaagattc taagatgtca atactaactg accaaaccat acctctctag ccagccctgc 300

tgctcctgtt gtcttggtac ccaggtgact gaggacatga ctggtggaag gaaactaggc 360

ccctttntct ntcagatggc catacccagc atggctgatg cccagtgtat aagaccctac 420

gcttttcca 429

<210> 4681
<211> 484
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

<400> 4681
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aaagaagatg aaacttgaac agaagaaaca gaaggaagaa cccagtcagt gccaggaaca 120

gcatgccagc agctctgacg aggcatctga aacagaggag gaggaagagg agcccagcgt 180

cgtcatcatg gggcgatgag gagtttcagc agtcgtgagc ccagctcatt ctgtgaccag 240

cctcagaaga gaaatggctg tgtgtgacca gctgctagac tggctgtgtt gggagaaggc 300

aggcacctcc tgcagccctg cctgcctggg gagcagaggg agcagacctt agacatttgc 360

agattgcatt ctgtatcctg ccctgntctt gctgaagggg agtgagtgct tcaccttccc 420

cgggtgccgt tcccnttctg cttgaacagc agtgagntnt gcgctggttt ctgtgaaggg 480

aata 484

<210> 4682
<211> 423
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(68)
<223> n is a, c, g, or t

<400> 4682
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cccgttnncc attcctcagc cccttcctcg agatctctgg aactaagctg tgtttttgct 120

tttcccctga gcacaccaga gccccacctt cacggagtag tgccaacaag gtgggggaat 180

ggaaaaggga ccttttgagc atcctagagt cacagagcca acagtcaggt tgtgctagtt 240

tgtgcctgaa gtctgtgttt gtgttgtggg acaaggcctt tgagtcttaa cgattgtcct 300

ttctcctctt gaaggatacg ccccttattt ctgtactacc ccacccttgc catggggatc 360

ccaaattggg ttgtcatgaa agtgggtgga cacaaggtgg gagccgcgta gtataggtct 420

taa 423

<210> 4683
<211> 505
<212> DNA
<213> Mus musculus

<400> 4683
agccacgaga tttctgtact atgaaatggg ctacaagtct cgaacagaac aacttacaga 60

tagcactgaa atcagcctgc tgccttcaga catcgatagg tacaagaaga gatttcacaa 120

gtttgatgaa gatgaaaaag gcttcattac cattgttgat gttcagcgtg tcctagagag 180

tatcaatgta caaatggacg aaaacacact gcatgaaatt ctctgcgaag tagatttgaa 240

caaaaatgga caggttgagc tgcacgagtt tctgcagctg atgagcgcag ttcagaaagg 300

aagggtctct ggaagccgac ttgccatcct gatgaaaact gccgaggaga acttggaccg 360

cagagttcca atccccgtgg accgtagttg tggaggattg tgagtctgac cagtaaatcc 420

gccaccagca agcataggac agccagcgct atgtacaacc agagatgact taaactctaa 480

aatagtggat ctcgtagctg ccttt 505

<210> 4684
<211> 446
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (81)..(81)
<223> n is a, c, g, or t

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<222> (91)..(91)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

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<222> (118)..(118)
<223> n is a, c, g, or t

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<222> (121)..(122)
<223> n is a, c, g, or t

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<222> (129)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(137)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (140)..(141)
<223> n is a, c, g, or t

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<222> (143)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<400> 4684
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gtgataactc ttgaatngga nttttccttt ntgtcaggcc aaggncctga aaaatncntg 120

nntaacagnn aannnnnatn nannnnnnat tttcagaaga ngccagtggg tcccatagtg 180

tcctcactgg tcccagcaga tgtcagtata caaaacataa tcaatccctg ggcaatcttg 240

tgctctactt tatcttcatc cttagccacg tcctcctgtc atttgtctcg gagtcacgtt 300

ttggagagac aggaagtatt ntcttagaaa ctaggttggg naaatgttca acnatagagc 360

tgagatttaa attttgagtt taaaaatgta catcaggagc aatggaaagg gtgttttctt 420

aaaggcattt ctaatttgct tttctg 446

<210> 4685
<211> 367
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<400> 4685
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tacatgatgc cagatgagga gacaccattg gcagctcagg cctatgggct ttctcacaga 120

gatatcacca ctattaaact tctcaatgag acaagagaca tgctggaaag tccagatttt 180

agtacagttt tgaatacctg tctaaacaga ggcttcagtc ggcttctaga caacatggcc 240

gaattctttc gacccactga gcaggaccta cagcatggta actccataaa cagtctgtcc 300

agtgtcagcc tgcctttagc taagataatt cccatagtgn acgggcagat ccattcagtt 360

tgcagtg 367

<210> 4686
<211> 398
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (335)..(338)
<223> n is a, c, g, or t

<400> 4686
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gtacctctac cctgacattc ccaaagacaa agcctttggc aaacactaca gctcccagcc 120

gtgcgaagtc tcaagaccaa ccgaacgggg agacaagggt tacgtcccct ctgtttttat 180

ccccatttca acaatccgaa gcgattccac ggagccacaa tctccttcag accttctccc 240

catgtctcca agtgcatatg ctgtgctgag agaaaacctg agcccaacga caattgaaac 300

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agcagatgaa actggagagt gttctttacc atagatca 398

<210> 4687
<211> 544
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

<400> 4687
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tgacccagct gcaggcactg gagcccaaac agatgttctg ggtgcgtgcc cggggctaca 120

ttggggnaag gtgacatcaa gatgcattgc tgtgtggctg cttatatctc tgactacgcc 180

ttcctgggta cagcactgct gccccaccag tccaagtata aggtgaactt catggcgtca 240

ctggatcact ccatgtggtt tcatgcccca ttccgagccg accactggat gctgtacgag 300

tgtgagagcc cctgggctgg tggctctcga gggctggtgc atgggcggct gtggcntcgg 360

gatgggntcc ttgctntgac ctgtgcccna ggagggtgtg atccgattga ancctcaggt 420

ntcagagagt aagctatagt gaaagatgcc tggctcggcc tggggctaaa aggactttgc 480

actnccattt ctgaggcagg agtcacagtt gagagctggg cttcctgcct cttacataca 540

ataa 544

<210> 4688
<211> 281
<212> DNA
<213> Mus musculus

<400> 4688
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acggtttgag aagcggaaag aagtgattga aggctaccag aagaatgaag agtcactgaa 120

gaagtatgtt ggggaatgca tagtgaaaat tgaaaaagaa ggccagaggt accaggcgct 180

gaagatccat gcagaagaaa agctcaggct ggcaaatgag gagatcgccc aggtacacag 240

caaggcccaa gcagaggtac tggctttgca ggcaagcctg a 281

<210> 4689
<211> 353
<212> DNA
<213> Mus musculus

<400> 4689
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atgacctgcg cagacagtgc gaagtggtag acgaggcatt cataaatggg ctgaaggaga 120

ccaaggatgc caggaacaag ctggctgatc atctggccaa ggttatggaa gaaattgctt 180

cccaggaaaa aaacatcatg gctcttgaaa atgccatcac gcagcaagaa gggccagcca 240

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atattgccca gtatcggctg atcaaggaga ttcaggagat caaccacaat gtt 353

<210> 4690
<211> 561
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (533)..(533)
<223> n is a, c, g, or t

<400> 4690
agaacttcag gtctctcttt ttcaaaccat ggtgctgcta atgtttnaat gaaggagaag 60

aattcagttt agaagagatc aagcatgcta ctgggataga ggatggagaa ttaagaagaa 120

cactgcagtc actagcctgt ggcaaagcta gagttctggc taaaaatcct aagggcaaag 180

atattgaaga tggtgacaaa tttatttgta atgacgattt caaacacaaa ctattcagga 240

taaagatcaa tcaaatccag atgaaagaaa cggttgaaga acaagcaagc actacagaaa 300

gagtatttca agacagacag taccaaattg atncnncnga tcgttcgaat tatgaagatg 360

agaaaaacac ttanccacaa tcttcttgtt tcagaagtct acaatcagct aaaatttcca 420

gttaaacctg ctgatcttaa gaagagaata gaatccctca ttgaccggga ctacatggaa 480

agagataaag aaaatccaaa tcagtacaac tatattgcat agaatgttgg ccnttggaac 540

ttgtcataat gctgtagcca t 561

<210> 4691
<211> 249
<212> DNA
<213> Mus musculus

<400> 4691
gcagttgtag aaaacacagt tccatagtga cagtcacaaa ggacttactc tgccacaaat 60

gggcactgag aggaagatgt gacgtctgtc tccttgagac ctctgagcca tgcttctgcc 120

aggaggagga gagcatggga gtgtcggtgt gaccctccca ccgtgatggc tgctggccgg 180

cattcgtggc actgtgttgt caaataaagg agtcttgaaa acatttcttg ggcagcagag 240

ctcaggccc 249

<210> 4692
<211> 108
<212> DNA
<213> Mus musculus

<400> 4692
agtgtacaaa cctttcatcc atacctgtgc atgcgctgta ttcttcacag caacagagct 60

cagtcaaatg caactgcaag tagggttgtt ttaagttgtt caagatag 108

<210> 4693
<211> 268
<212> DNA
<213> Mus musculus

<400> 4693
atggcccaca agcagatcta ctactcagac aagtacttcg atgagcacta cgagtaccgg 60

catgtcatgt tacccagaga actctctaaa caagtaccca aaactcatct gatgtccgaa 120

gaggagtgga ggagacttgg tgtccaacag agtctaggat gggttcatta catgattcat 180

gagccagaac cgcatattct tctctttaga cgacctcttc caaaagaaca acaaaaatga 240

agtgcagctg ggatcatcta atcttttt 268

<210> 4694
<211> 345
<212> DNA
<213> Mus musculus

<400> 4694
ggacgatgct ttctaaggcc tcttatgcag gagcgtagag tggttagagc ggtcatctct 60

tgcctgtgcg ctaaagctgt ccaggtgctg cttttaacaa gaactaagta tgactcctgt 120

gtgctgacgc tgttcagacg agctctaaga atccattttc taaagcaaag tcattggagg 180

ggagggtgag gaaagtttcc cataaaggaa ctactgcttt tgtagtcttc ccaacattta 240

gtccagtcct gtagaatccg ctcctcctga aagatgtgta tgcaaggctg tgcgctggga 300

gtgacgattg atttgcagta acctgaatct cggtgcatta tgcgg 345

<210> 4695
<211> 288
<212> DNA
<213> Mus musculus

<400> 4695
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agctaaggca gcgggtccgc atggccgaca acgaagtcat ggatgccttc cggaagatca 120

tggctgcccg gcagaagaag cgcaccccta caaagaagga aaaggaccag gcctggaaga 180

ccctgaagga gcgggaaagc atcctgaagc tcctagacgg gtagcctgac ctgctgctgg 240

ctatccccct ggcctggcag aagtccacaa catcctttga agccttgg 288

<210> 4696

<211> 429
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<400> 4696
cgcgccattg aatctcagtg ctatgtaata gcagcagcgc agtgtggacg ccaccatgaa 60

acaagagcaa gttatggcca tagcatggtg gttgacccgt ggggcacagt ggtggcccgc 120

tgctccgagg gaccaggcct ctgccttgct cgaattgatc tccactttct acaacagatg 180

cgccaacacc tgcctgtgtt ccagcaccgc agacctgacc tctatggcag tctgggtcat 240

ccactctctt aatgctttta acttctgttg gttaagacac agacacagcc aactgggagg 300

tgatgctact gtgacttgta ggcaggacac aagcacggtt cccttcactt gcagaacttt 360

aacctntctt aatggaacac aggcttaatc aagtccatgg gaaagaagag actttgacct 420

gacctcaga 429

<210> 4697
<211> 357
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<400> 4697
gtagccaaga tgtcttcagc acctgatcct ccaacagtta aaaaagaacc attaaaagag 60

aaaaactttg aaaacccagg cctccgaggg gcgcacacaa ccaccttatt tcgagctgtg 120

aatcccgagc tcttcattaa acccaacaaa cctgtgatgg cttttggatt ggtaaccctt 180

tcactttgtg tggcttacat tggttatctg catgcaactc aagagaacag aaaggacctc 240

tatgaagcca ttgacagtga agggcatcgg tacatgagga gaaaaacatc taagtgggac 300

taactgctgc ttccttcagg tggangtgtt attataggct ccgacacctt tgaaaga 357

<210> 4698
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<400> 4698
gtggtccccg gaatttgaag agctcctggg aaaggtgagt ctgcccactg tcgagatcga 60

ttgcagcctg gctgagtaca ttgacatgat ctgtgcgatc ctggacattc ctttctataa 120

gagccggant tcagtctctc cacctgctct tttccctcta ctcagagttc aagaactccc 180

agcattttaa agctcttgct gaaggcaaaa aagtattcac ccctccaccc aactctgcct 240

cccaggctgg ggatgcggag acactgactt tcatctgagc ctcctcctgg gactgtgctt 300

caaagttaga tgaagatgtg gtctctgttg gcagcttaat gtctccctgc tccacagctg 360

ggctctgtca acatgaaccc tgctgccttg tcctcgaggg cagggcacac cttgtttaca 420

cctgcctccc gttgccattc cagaggaagg atgtagccac tctgctgt 468

<210> 4699
<211> 192
<212> DNA
<213> Mus musculus

<400> 4699
ttgttcgtgt tctgcaggct ccacgccctc gcccccgccc tcgcccccgc cccttcttct 60

cctggtttgc cagccatagg cgctgaaggc ttcagtgatt tgagccattg gaacctactg 120

gggaaaatgg taccccgtgg ttctttattg cactggggca gagtagctca tagcagcaat 180

gccttaggag gg 192

<210> 4700
<211> 534
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(290)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (293)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (477)..(477)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<400> 4700
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gagtgtctca cttacgatgg agaaatggac tataagacct acctggactt tgttcntgcc 120

ttagaaaaca gaaaggagcc tgcagctctg cagtacattt tcaaactgct ggacattgag 180

aacaagggat acctgaatgt cttttccctt aattatttct ttagggccat acaagaacta 240

atgaaaatcc atggacagga tcctgtgtca tttcaagatg tcaaggnnnn aannttnnn 300

nnngnnnana ccaaagnatc ctttgnaaat ctcacttcag gatttaatcn acagtaatca 360

aggagacaca ntcacnacca ttctaattga tctcaatggc ttctggacct acgagaacag 420

agaanccctt gttncaaatg acaacgagaa ctntgcagat cttgatgaca catgatntct 480

gcnaaataga cttcttcata aagatgcttg aatgctgcat gcaacactgt tgaa 534

<210> 4701
<211> 415
<212> DNA
<213> Mus musculus

<400> 4701
gaaaagaggc cagtccccaa caaggaaacc ctttttaaat gtaaacatgt ataagaaaaa 60

aatacctta ctgtttttat ttgcagtgtt ggagctagaa cctggggcct tgcatatgca 120

aggcattgct ttcccactaa actaaacccc cagcccataa tgctttcata tattggtaaa 180

ggaacatgag aatcaaattg ccaaggccaa aactagacag tgtcttccag tgactgcagt 240

aaaggaattt ggccacatca tcaggacact gttattagcc tctcttaatt tgagatctta 300

aaattaccaa ataagcacaa atgtctcaat tatgcattcc ttatgtctac tcacattaac 360

tatgaaaggc cacctttctt cagtatagtt gcagagcatt caaaccttac cagga 415

<210> 4702
<211> 315
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<400> 4702
gatgctacta tttgtggtac tgactaccac cttgctcagt ctttccttga ttcccacccc 60

acccccacc ccctcctgac ccttactccc tgatgcacat tcctgagaca ctaaagctcn 120

agacattccc cagggcccnt ggggactgtg aagagcaaga ggttgcctgt tctgagcagc 180

tcaggggaac agttggtcca ggacttgagg gggcatcttg aacatcctgt gagcttatga 240

acctcagagg gaagtctggc atgttcgtgt cagtgttcag tgtttggtag gtgaggccta 300

gctgtatgtt tagct 315

<210> 4703
<211> 524
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

<400> 4703
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aagaaaaatt ttaaccaagg caaatatagt gtttaatttt ccattggtta aaatagaatt 120

aatgttttta aattctgttt atcagtggaa ttctaaaata gattttaaag tcaaccagct 180

aattgctgaa gtaaagcatt ttatctacaa ttttatttta gtgtatgtgg cacaagtgta 240

atttcaaatt taagagttgt tttcatagtt aaaggaatct gccttcactg taacgtctgg 300

aaacagaaac aatttgttat gatttctaca gggattttta atagagcaaa catnttgaat 360

ttaaaatatg aatgacccct ccaagtctna gttttgcttt ggntngaact tagcgtgtgt 420

ttatcagcca tcagttattt gtgaggatgt taattccnta tgaatattgt ttcatgtttg 480

tatgggaaac tgtagctaag catttcattg tctgcagtct gcag 524

<210> 4704
<211> 497
<212> DNA
<213> Mus musculus

<400> 4704
gggctactca ccagaagatg tcatcggcaa cattttccga gtctgcaaaa ccttcccgat 60

ggctgaatac ttgaaactgg agttcatcaa ggagattgga tacactcaca tgaaagtggc 120

ggaaggagtg aactccctgc tgcagatggc tgggctcctg gccaggctgt gtcagaagac 180

catggctcca gtggccagct gacttgagac ggcctccact gatggaacta ggagagtctt 240

tgttgtggga gatgtgcctc agctagaaca tgctcacttt gtttttcttc tgtgaaaata 300

gtctcttgta ccccaggctg accttgaact cccgatcctg ccgagtgctg gggttggagg 360

tgtgtgtcat gtgtgctttc tgcggtacta cagatggaac ccaggactcg tgcgtgtcag 420

acgagcactg ccagctgggc tacagtgaga tactgagctc tggaagtgac acacctctgc 480

tcttctgtgt gaattca 497

<210> 4705
<211> 432
<212> DNA
<213> Mus musculus

<400> 4705
gagaacccat cttctcagta ttggaaagaa gtggcagagc agcggaggaa agctctctac 60

gaagcgctga aagagaatga gaaacttcat aaagaaattg aacaaaagga cagtgagatt 120

gcccgcctga gaaaggagaa taaagacttg gcagaagtag ctgagcacgt gcagtacatg 180

gcggaggtaa tcgagaggct gagtaatgaa cctctggata actttgaatc accggatagt 240

caggaatttg attctgaaga agaagctgtt gagtattcag aactggaaga ctcaggagct 300

gggacgtgtg ctgaagagac tgtgtcttcc tccacggatg ctaggccgtg tacatgaggt 360

gtgggacgca ctgccagcgt tgccctttag tatagctctt ggtaaactaa ctacacggtg 420

caagtgctgg aa 432

<210> 4706
<211> 449
<212> DNA
<213> Mus musculus

<400> 4706
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ttttaacatg tatatctttt tgaaccatga aatcaaaaca atgcagagct tgtaccaagc 120

ttatataaaa ggtctacgtg tggctttgtt tccttttcct tttgtttacg ggggatgttc 180

agctgacacg agcagaagtt ggccaaaata ctgcctgcac tattgacttc ccacacagct 240

ctcccggcag actaacctca tagtggtcaa gtactccacc ttaggtgttt cctctaagtg 300

ttaccattat ggtgctactg agcattttct tttggtaaac aaggaaaatg tccgggctgc 360

agccgtgtgc cgtccgtcgt tttcctcgct gcatccatta atctgcttag agaacactag 420

tgccagctct tttagctgat actgctcat 449

<210> 4707
<211> 482
<212> DNA
<213> Mus musculus

<400> 4707
aagtgagttt gaggcgccat ccctcagtga cagcatgccg tctgtagcag attcccactc 60

cagtcatttt tctgaattta gctgctcaga cttagaaagc atgagaacgt cctgtagtca 120

cggctccagt gattgccacg cccgcttcac agctgtgaac acccttcctg aggtagaaaa 180

cgaccgactg gagaactcac cacaccagtg cagcagcgct ctgctttcca aagctgcttc 240

ctgttcagat gtcccacagc ccagccatgc tgcagacgag catggcacca gcagaagtgg 300

ggggaagcct atggtggatt tgtgttttgg tgatgcactg agagagacaa ataataacca 360

ctcgcaccag acagcagacc tgaaagttgc tgtccagact gaaatttagg cccgtgaatg 420

ctgcagagta agaaccactg aacaaccgtg ttgggagctg gttgaaccat gtgcgactgt 480

ta 482

<210> 4708
<211> 492
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

<400> 4708
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aggcccacgt gcagggcgaa gcggnctgcg cggtaccatt ttgaggacgt tggccgggtg 120

caggggggcta gggctgtgca cgtgctatct gtgcagcctc tctgtttgga gaacttatcc 180

ctgagaggct gctgtcagga tgcctggtcc ctttctggca agcagcaggt agctaaagaa 240

aaccagcagg tagcaaagga tgtcacactg catcaggcct tgctgcggct gccccagtat 300

cagactgatc ttttngctca ccttcaatca gcccccgtgt cacagcaggt ctcttggccc 360

tgaaaatctg tcatgtccac cttggagcct gagtaacttt gaacagctgg taactagttt 420

gantcttcat gatcccaacc tctttnggtc cccagtaaag atcgttgaga cacaacgtgc 480

tactgaggac tc 492

<210> 4709
<211> 369
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (302)..(302)

<223> n is a, c, g, or t

<400> 4709
gaaaattcat gggacttcgt acaccagtgg ccaggcaggg cctgaagtcg tgaagtcaat 60

agtatttcct ctactgcctg gctgtcaacc tagtaggatg aagaaggggc ctccccagct 120

gcagagatgc ttcaccatgt aggacacttg agactggctc tgcatacttc actactggat 180

gctcacactc cttgccctga tctgtttttg tctaactttt gttcccctaa attaatgccg 240

ctttgatttc tgtcttgttt ataaataaag agaaaagtca tctggaaatg ttaaggagtg 300

gnagctgcca ggcccctgct ttcactcctt gcctcttaac tttggctact tgtgagctga 360

ctgtggtaa 369

<210> 4710
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<400> 4710
gaagcggcca aagcactcag gagctgagtc tggttacaag aaaaaaaaga tgaagttacc 60

agagcagcct gaagagggag aggccaagga ccacgaggct ccatcgaaag gtaaattcaa 120

ctggaagggg accattaagg ctgttttgaa acaggctcca gacaacgaga tatcagtcaa 180

gaagttaaag aaaaaggtta tagctcagta ccatgcggtg atgaacgacc atcacacatc 240

ggaggaggag ctcctggcca tcttcaacag gaagatcagc aggaacccca cctttaaggt 300

gctgaaggac agagtaaagc ttctgaagtg aggctctgtg gcttcacact ctgtcatcct 360

attggctgct tccctntact atttgtaaaa tgtgtagtga attataacaa cctgaagatt 420

gctttctgaa 430

<210> 4711
<211> 433
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<400> 4711
tgacgaactt tgaccaccag aactcagaaa atgtgaaact tttcagtgcc ttctcaggaa 60

gttctgatcc agacaatctt atagtccact cacggccacg gcaaaagaag ctacacagtg 120

tggctaatgg ggtgccagct tgcacatcaa aactgactaa atctcttcct gcctcacctt 180

ctacttcaga ctttcgccag acacattcat gtgtgtctga acacagttcc atcagtgtgc 240

tgaatataac tcctgaagaa agtaaaccaa gtgaggttgc aagagaaagc acggatcaga 300

agtggagcgt gcagtcgagg cccagctcgc gggaggggtg ctacagcgga tgntcctcgg 360

ccttcaggag cgctcacggg gaccgagatg acttacctta aatgtgcggg ctgcagtgct 420

gttcccagat gtg 433

<210> 4712
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<400> 4712
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ccaacagagg tcacacgcac atcccaaagc cctcgctctc cagattccag tcagagttct 120

atggcccagg aggaagagga ggaagagcaa ggaagaacta ggaaacggaa acagagtggt 180

cagtgcccag cccggcctgg gaagcaacgc atgaaggaga aggagcagga gaacgagcgg 240

aaagtggcac agctagctga agagaacgag cggctcaagc aggaaatcga gcgcctgacc 300

agggaggtgg agaccacacg gcgggntntg atngaccgca tggtcagcct gcaccaagca 360

tgaacagtgg gcatcacctc ctntntntnt ntccggaagt gtacccagca ccatcgcncc 420

agcgccaagc atgtgaccct gcactgcact gcacatgctg aggaggggac tgagggtaga 480

ccaggagagg gctcggcttg cacatagacg gtacattgtt tattactgtc catgtcca 538

<210> 4713
<211> 353
<212> DNA
<213> Mus musculus

<400> 4713
gaatcggccc ctgaatggtg gatcagagcc ggaaagcaac agcgctcttc aagaagatga 60

aagagaaaag aaagatgaac ttcagacaga gtcgtggtca acaaaacatg aaatagctaa 120

tagtgatggt cttcaggaca gcagtgagga gctgccacgg aaactgctgc tgactgaatt 180

taggtcattg gttgtcagta accacaactc cacctccaga aatctatgtg taaatgaatg 240

tggtccactg aagaatttca agaaattcaa gaaggcgaca tttcctgggg caggaaagct 300

tccacacatc atcggaggat cagacttagt aggccaccat gctcgaaaga ata 353

<210> 4714
<211> 233
<212> DNA
<213> Mus musculus

<400> 4714
gctgcaccgg cagacggctg agtactctgc attcaagcta gagaacgaga ggctcaaggc 60

tagctttgcc cctatggagg acaagctcaa ccaggctcac ttggaggttc agcagctgaa 120

ggcgtcagtg aagaactacg aggggatgat agacaactac aagagccagg tgatgaaaac 180

aagattggag gctgatgaag tggctgcaca gctagagcgc tgcgacaaag aga 233

<210> 4715
<211> 340
<212> DNA
<213> Mus musculus

<400> 4715
accagctggc acactgtaca gactgcctgt ccttccttgc agatatgaat agagcgtttt 60

ctttacaaac agatgatagt gcgtgtctgc ccactcaggc cctgtgcgct ccgtgttagt 120

gtagccctcc acgcattggc atgcagctct ttactttact gctcaacgta ttcccaaatg 180

tgatgtttca gagatttatt cctcagtatc catgtgactg tctgtttaaa agttggtttg 240

atgctttaac agcacttcct atgtcctgct gtcccttgtt ctcagagacc ctcctctctc 300

acccagtcta ctgactcatt tccgccctag gttgtatgca 340

<210> 4716
<211> 478
<212> DNA
<213> Mus musculus

<220>
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<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (343)..(343)
<223> n is a, c, g, or t

<220>
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<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
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<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<400> 4716
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ctcatagtaa gcacagacgg tgacaacctg cctttcaagt tacacagaag cacctggaag 120

aagagctgaa aaatgaacct gacgacaggg cattgcaacc cttgtataag aggtttggat 180

gctaatgcag aagctaagat aggctgttag gtttgntttt ctaagaatgt aggcantcct 240

ntacattgnt nactggtttt gcanccccttc tccctcttcc ctgaagggtc ccnagcattg 300

cattctggaa tcagtgntcc catttttttct tgaggtttca tantncaaag gcncnggaac 360

ttttgnccac agtgttntcc tggcttaggc tcacattacc aaatgcccaa ntcatgtttt 420

ccgatgttga tntcatttga gtggaacaca ccagactcag actttattca cattttat 478

<210> 4717
<211> 419
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<400> 4717
gaagattcca gtgctgaatg tttattttaa tgtagaacta aatggctttt aaaaactttg 60

gtttacatcc attctggtaa tttgcctgtt ggctttgaaa tccatattgt tcactttact 120

tttataatat atcagttttt ataatgtaac tagtattgca tacttgatga aaattttgtg 180

gattttactt agtataaaat tcctataaat ttaaattttt cagttagttt ttgggactgg 240

gtagtacttc tgagtttgtt attatgtact taaccattgc caagtttatc agtcttcctg 300

tggaagttta gtntctcccc cacccccttt agtaatgtaa ttcatgggat ttggacttca 360

gttatggagt aggcgtctga taggggggaga ttgattgaaa ctgtactttc tgttgctga 419

<210> 4718
<211> 292
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<400> 4718
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angtgaccat gcaggtgact gtgagaagca aagagagaac gcctgtggat gttatcttgg 120

cttctgtggg ataagttctt gctgggaagg gtgatgttgc tatgccctcc ctattggtgg 180

tttttaggct agtggcatga tcttccaaga atcacacata aagattaata atgatgactt 240

tgaagaagca aatccaagtg tttggccctg cgccagcaga tcaaacatct gt 292

<210> 4719
<211> 285
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (126)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<400> 4719
ctggctgtgg gctcaagcta agcgcgtttg cagccgtctc cttggtcctg tcaggacttc 60

tggggatggt ggctcatatg ctatattcac aagtcttcca ggcaactgcc aacttaggtc 120

cggagnnctg gagaccacac tcttggaatt acggctgggc cttctacaca gcgtgggttt 180

ccttcacctg ctgcatggcg tcancggtca ccaccttcaa catgtacacg aggatggtgc 240

tggagttcaa gtgcaggcac agcaagagct ttaacaccaa cccca 285

<210> 4720
<211> 423
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<400> 4720

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gagataaatt ttagtctatt cagtggtact tgaacacgtc tctgaaggac aagcaatttg 120

ttaattgctc agttccttat cgtattcgtc acagcaactg acgactgtca tcttgaagta 180

aagcaggtct caagtactca gtgcttagta tttatttagt cttgtgaatg gtttgaggag 240

aagtcacggt gtgaagtgta tgaatgttgt actaaatatc aaaatgtgaa ggagtaatcc 300

agaatatacg gactttatgg ggtgttggaa atttgattta taaaacagtt taggatgcaa 360

ttatgagtat aaataaacct tgtnccttac ttacagtttg catctagctt ttcggatacc 420

att 423

<210> 4721
<211> 452
<212> DNA
<213> Mus musculus

<400> 4721
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aaggctcagg acagaggcgg tggagcgact gagctcactc aggaccaaag ccatgcggga 120

gaaagaggag cagcgggagc ttcgcaagta tacctatgcc cttgtgcgcg tgcgcctgcc 180

agatggctgt ctactgcaag ggaccttcta tgcccgggag aagctatccg cgctcttccg 240

atttgtgcgc gaggcgctac agaacgactg gctgcccttt gagctgaggg cctccggtgg 300

acagaagctg gaggagaacg aggccctggc cttgaatgag tgtgggctgg taccctctgc 360

cctgttgacc ttctcctggg atgcttcagt gttggaagat ataagggcag caggagctga 420

gccagcaaaa tctgtcttga ggcctgagct gc 452

<210> 4722
<211> 491
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<400> 4722

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aacgccagcg ccttgaaaca gctgagaggt ttcagaaaca tctggaacga gtcattgaaa 120

tgattcagaa ttgcttggct tctttgcccg atgatttgcc ccattcagaa gcagggatga 180

gagttaaagc tgagccgatg gatactgatg ataacagcaa ttgtcctgga cagaatgaac 240

aacaaagaga aagttcaggt cacagaaggg accagattat agaaaaagat gctgccttat 300

gtgtgctaat tgatgaaatg aatgaaaggc catgaagaat attccttttt ttccttttag 360

taagtagcat catatattag tttatttcct ctcagacant cttaagaggt ataactaaag 420

atactaagag actttttttn caattgaaat gctgtaggtg gtaatttaac actaaacata 480

ggccagcaag t 491

<210> 4723
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<400> 4723
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gtacaaaccc caagtggtga gacagctttc aaaaacatga cgattcctta tgggtgggcc 120

aaacggccaa tgcttcagcg gataggtggc ttgcatcctg acattccagt ttcagtgatc 180

tttggagccc gatcctgcat agatggcaac tctggaacca gcatccagtc actgcgaccg 240

aagtcctacg tgaagacaat tgccatcctc ggggcggggc attatgtgta tgcagatcag 300

ccagaagaat tcaaccagaa agtcaaggag atctgccaca cagtagactg agcacacaga 360

accatgcagc acccgtgacg ggtgccgttc atgagcaatc cccacagccc gaggaccccc 420

gcagtntcct ggactggact ctngcagctt tccacattta aaccaacc 468

<210> 4724
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<400> 4724
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cttgaatgtc tctagtcaag gggctggggc ttgtgtcttg ctaagagcan tagagcccct 120

ggagggcctg gagaccatgc ggcagcttcg taactccctc cgaaaaagca ctgtcggccg 180

ttccctcaag gaccgtgaac tctgtagtgg tccctccaag ctgtgccagg ccctggccat 240

tgataagagc tttgaccagc gagacctggc tcaagatgat gctgtgtggc tggagcatgg 300

cccntctgga gtccagtagc ccagctgtgg tggtggcagc agcccgtata ggtattggtc 360

atgcagggga gtggacacag aagcccttgc gcttctatgt ccagggcagc ccatgggtca 420

gtgtggtaga cagagtggct gaacagatgg atcagcctca gcaaacagcc 470

<210> 4725
<211> 525
<212> DNA
<213> Mus musculus

<400> 4725
aaggagatct gctatgccct tcgggctgaa ggatactggg ctgacttcat tgacccatca 60

tctggtgtgg catttttgg accatatacc aacaacacac tttttgaaac agatgaacgg 120

taccggcatt taggattctc agttgacgac cttggctgct gtaaagtgat ccgtcacagt 180

ctctggggca ctcatgtggt tgtaggaagt atcttcacta acgcaacagc agacagcagt 240

atcatgagga agctcagtgg aaactagcag gctggcactg tgatccctgc agcgctgttt 300

gtctgtcatg gattgctcta tataaacact gtcatggaca gcagcttcta gaggattctt 360

gtttctaggt atttattgta tcatttatgg gtttacatgg acaggtgact tggggtttca 420

gaattgcaaa tgctagttcc tattctggag tgcatgctga acacatccat attctgcaaa 480

gtgaggtcat cagcttgtaa ccagggtatg tgtgttctct taggg 525

<210> 4726
<211> 522

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (482)..(482)
<223> n is a, c, g, or t

<400> 4726
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ttgagctggt agagaaggat agctcagtgt ccagcctgct gaaggtgttc aatgaccaga 120

gttcctcgga ccgaatcgtg cagttcttac gcctcctcac gtcggccttc atcaggaacc 180

gagctgactt cttccgacat ttcattgatg aggagatgga catcaaagac ttctgcactc 240

acgaagtaga gcccatggcc atggagtgtg accacgtgca gatcacagcc ctgtcgcagg 300

cactcaacat tgctctgcag gtagagtacg tcgacgagat ggacaccgnt ntgaaccacc 360

acgtgttccc cgaggctgcc atcccttcgg tttatntgct ntataaaaca tcccactaca 420

acatccttta cgcagccgag aaacactgan tacttttggg ccatgccgga gcccgtcatc 480

gnaatggact gcattctgaa tggaacatcc tgccttggca at 522

<210> 4727
<211> 543
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (492)..(492)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (494)..(494)
<223> n is a, c, g, or t

<400> 4727
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aagacgattc tgaaatgtcc agatgtagaa gagagatgtt tacagtgtga agaaaataat 120

ttccttagta aagtgaggtg tggttgtaca cttggggnat ctacacacct gcatccacac 180

actcacagct gaaaatgttt cccctaattt taggggcaat agaaaaagat ttgatactgt 240

atttttataa ctatatagaa atggatcaat gaaggccaat catttggcct ttcggtacaa 300

accaggaact ttttatcaat ctagaattca ttgttttaaa atccaggtaa acttttgttg 360

tctcttgttg acttgtctgt caaatatttc cttaaacatg aagttgataa ggagaggact 420

atttttaaca tttaaatttt tggaaaattt acaaatattt tttagaagcc cactccactt 480

gatgcacatg antnttcccc aaatagcttt tctgaagtga ctatactgtg tgttttctca 540

gag 543

<210> 4728
<211> 448
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<400> 4728
agaataatcc agttggtcct ctcaaccagg ggctccaacg gcaaggacac agaggtcggc 60

actccacnat cctgttacct cacccgtccc tggatgcagt ggcgacattt gcaggatggg 120

ccaacatggc taagagagtc tgtcttccgc ctgaccccac gatgctgaaa ctcacaagac 180

ctgcccttcc aggaggacat ttgttcagaa gcctggccac cgggcatgag caggtgtgcc 240

aaggatctcc atgcggggcc acactggctc tactgtgttc agtgagggag ggatatgctg 300

tatttgcagc agggactcag aacataaatg ctgatcacag agggacacac tagagcaggt 360

tgtgagttat aagcaaagta aatatccaac taaatacaca aagtataaag taaagccaca 420

tctagacacc acgttgtatc tgagtaaa 448

<210> 4729
<211> 512
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

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tggacaatta ctgaaaatgc ttcaggaggg agagatgaaa gataaggccg agatacttct 120

gcaagtggat gagtctcaga gcatcaagaa cgagctgacg gtccaggtgt cttcacttca 180

tgccgcactg gaacaagaaa gatctaaagt gaaagtatta caggcagaat tagccaaata 240

ccagggaggc aggaagggga aaaggaactt cgaacctgac cattgcaggt gatcgtggcc 300

tcggaggcca gcacagaatt ctttcacact tttgcagaaa tgtgtatatt taatgctgtg 360

cgactgctaa actgcaggtt tttgttgaag gaactaaaag caactagttc actcatantc 420

tacagtttta tgttcttttg gcttaaagtt aaaagaaaat acagaatacc agcagaactt 480

gattattgtt ttctgtccaa acttcttatg ac 512

<210> 4730
<211> 516
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<400> 4730
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ggccacagat tgtactcagt gtctatgggc cggatgtgtt tgggaatgat gtcgtccgag 120

gctatggagc agtgcatgtg cccctctctc caggacggca caaaaggacc atccccatgt 180

ttgtgccaga gtctacatct acactacaga agttcacaag ctggttcatg ggacggcgac 240

ccgagtacac agaccccaag gtggtggccc agggtgaagg ccgggaagtg actcgtgttc 300

gcntctcagg gatttgttac cctcntnctt caatgtggtg accaaggaca tgaagaagct 360

gggnctatga tactgggcct gtggacacac aaggantcnt ggntcntagc ctgccacagg 420

gcaacccaca ataaaaatca gcccttctnt ccgccactgt ggaccagatg ccctacagcc 480

cacacacagc caaggacatg ccaaccaggc tgggaa 516

<210> 4731
<211> 439
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<400> 4731
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tagacggagg actgatgaag atgctgttct gatggatgga ctgactgaat ctgatacagc 120

ctcagttaat gagaatgggc taggcaaaag atgtgattga agagcatggt ccttcagaaa 180

aggcaataaa tggtccaact agcgcttctg gcgatgaaat tcctaagcta ccgcgtactc 240

tgggagaaga aaagactaag accttaaaag aagacagcac tcaagaagca gcagtcctga 300

atggtgtttc ataactgaag gaagttccta gtttacagtn tcttttacat tacagttaca 360

atagtgcttg tacaagcttg ccaaagatag aatacggatc gccagtctta catcgcactt 420

tcagttcctc catttggaa 439

<210> 4732
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (131)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (452)..(452)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (466)..(466)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

<400> 4732
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cctggccctg ggcaactaga aacattgatg gaaccactca gggctatcca ggaacctcga 120

tcgagcagag nnnctgaaac caatggcatg ttgagtccca aatgccaaag ccattcaacc 180

tagaacacct taggcattat aggaacagga cacttctgcc tcctgataga ggatgagaaa 240

cagaggcaga atgtagtttg aagctagata atagggtgtg atggatgacc attttgtctt 300

ttttgtgttg gtagagtaga agacacaaac tccaaggtgg tgtgtctgga gggaaggggt 360

gtggcggcac tcaggacaga gtttggtggc acctgcaccg aggttcaggc taggagtacc 420

tagcaccaaa gagacaaact ttgtgtaant cnccaccact gangantctc actggagagg 480

cacatcantc cttgtcacca acaggaaact gagtgatgga ccctcacttc a 531

<210> 4733
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)

<223> n is a, c, g, or t

<400> 4733
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tacaacccca acacagccta tggtgaggat ttcctggtgc cagtgatggg ctatgtctgt 120

caaatctgtc acaagttcta cgacagcaac tcagaattgc ggctttctca ctgcaagtcc 180

ctggcccact ttgagaacct gcagaaatac aaagccaaga acccaagccc tcctcctacc 240

cggcctgtga gccgcaagtg tgccatcaac gcccgcaacg cccntgactg cactgttcac 300

ctctagccac cagcccagcc cccaggacac agtgaaaatg cccagcaagg tgaagcctgg 360

atcccccgga ctccctcctc cccttcggcg ctcaacacnc ctcaaaacct gatagaggga 420

gctctggcca ctcancctga ctaaggctca ntntgctaat gcttcctagg tatctgtgt 479

<210> 4734
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (469)..(469)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(489)
<223> n is a, c, g, or t

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atgtcgattc ctttctccaa cacccactac cgaattccac aaggatttgg aaatcttctt 120

gaagggctga cacgggagat tctgagggag caaccggaca atataccagc ttttgccgca 180

gcgtattttg agaaccttct agagaaaaga gagaaaacca gctttgatcc agcagaatgg 240

ggggctaagg tagaggaccg cttctataac aaccacgcat tcaaggaaca agaacaagtt 300

gagaaatgtg aacaagaatt agctaagtca tctggaagag aagaaacacc agtcactccc 360

ttcgaggant ntactgagga agaaagagaa caggaggagg cggctgntct ncaaaatcca 420

ntccntnttc cggggacacg tggctagaga agaggtaaag aagatgaant cagataagaa 480

tgagaatnnc tgaaagaaga ggcagacaat tgagaccaca ggttt 525

<210> 4735
<211> 448
<212> DNA
<213> Mus musculus

<400> 4735
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tgagcagaac aagatggaag agctcattgc agagatcagc ccatccactc tttatgctgc 120

caaagtaact cgccctttgt cgtgttgttt actgaatgtc tccccaatgt tttactgata 180

aaaatgatgt cattctacac tgataattat ttaaatcaaa agaccattct gctagtacag 240

tgtcccagca agtcaaaagt ttatatgcat gtttaatagt catatgtgat ggtgctatca 300

gttatcaata gttttcaggt gttgcccaca tttatgctga agaccctgag ccaaggctgg 360

ttaagatatt tagtttcttt tattaaaatc agttatcgat tctgtgcaat caaaaagcac 420

aactgaatgc tgtggtcagt tctacaac 448

<210> 4736
<211> 342
<212> DNA
<213> Mus musculus

<220>
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<222> (207)..(207)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
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<222> (271)..(271)
<223> n is a, c, g, or t

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<222> (304)..(305)
<223> n is a, c, g, or t

<220>
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<222> (307)..(307)
<223> n is a, c, g, or t

<400> 4736
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agacattatt ttaatgaact tggacaatat gacaacggca tggatatttg tggaggagaa 120

aatgtggaac tttcgctaag aatctggatg tgtggaggcc agctcttcat actcccttgc 180

tctcgggttg gatataacag taaggcnctg antcaacaca ngcntncana ccngngtncc 240

ttntcnagga ntttncnncn nntgnttnac ntctggctag atgaatacaa gggaaacttt 300

tttnntncaa agaccttctt tgacatacgt ttcctgtgga aa 342

<210> 4737
<211> 489
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
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<222> (423)..(423)
<223> n is a, c, g, or t

<400> 4737
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ttgatattgg atgcgaacag cacggtgaat atcgcctcac agatacggaa agaggagaag 120

aggaggagga ggaagagaca ttagtgaaca tcgttnccaa aatggaaagc tctcaacatc 180

acagaattgg ccctgtggac tccaaccctc tccgaggagc agcctccccc tgagggccaa 240

ggccaggagg aaccgcaggg acttactggc gtgggtgacc cctcagaaga catccaggca 300

gaaggttttg agggcgagct ggagccgagg ggggccgatg aagacgtaga cacgttcagg 360

caggagagcc aggagaacag ctacgacata gaccagggaa acttgaactt tgatgaagaa 420

ccntcagacc tccaggatta agatagtgga ggcagaagac cacagacaca ccaggcgtgc 480

cttagttaa 489

<210> 4738
<211> 375
<212> DNA
<213> Mus musculus

<400> 4738
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caaggcgtcg aacgacgtcc ctccagggtg tccctctcca aacgtggctc ctggggtggg 120

cgcggtggag cagaccccgc gcaaacgtct gagatgagtt agtttagagg ctaacggcca 180

gagagaactt gctgggcatc tgggcagcgg acgatggaag aactctgggc ttcggctggg 240

acctttcgtt catgtagcag gaaccggaga tggttgcgta gagcagccca cggttttgtg 300

gaaatctgaa aactgtgcaa tgtattgaga acactctgta ccatgtgcaa ggagtacgct 360

ggtcccaagg tgtaa 375

<210> 4739
<211> 91
<212> DNA
<213> Mus musculus

<400> 4739
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gcatatactg atcttcagca gatattagaa a 91

<210> 4740
<211> 76
<212> DNA
<213> Mus musculus

<400> 4740
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aatcctgggg tccatt 76

<210> 4741
<211> 529
<212> DNA
<213> Mus musculus

<220>
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<222> (222)..(222)
<223> n is a, c, g, or t

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aagaaggagg tggcgttctt caataacttt ctcacagacg ccaagcgccc agctttgcct 120

gagatcaagc cagctcagcc acctggccct gcccagatac tccccccagg cctgacccca 180

ggacttccct acccacatca gacgccacag ggcttgatgc cntatggtca gccccggcct 240

cccatcttgg gctatggagc tggtgctgtc cgccctgcag tcccaacagg agggcctcca 300

taccccccatg ctccatatgg tgccggccgt gggaactatg atgcttttcg aggccaaggc 360

ggttatcctg ggaaacctcg gaacaggatg gttcgaggag acccaagggc catagtggag 420

tatcgggacc tggatgcccc ggatgatgtt gacttctttt gagccatcca tgtcccctcc 480

tgcattgcta catcagtacc cgtgaccact ttatcccatc agctgaaaa 529

<210> 4742
<211> 510
<212> DNA
<213> Mus musculus

<400> 4742
attaaagctg tcaatctctt ccctgctgga acaaactcaa gatgggaagt cattgctaat 60

tatatgaaca tacattcttc ttctggcgtc aaaagaactg ccaaagatgt tattagcaag 120

gctaaaagcc tccaaaaact tgaccctcat caaaaagatg acattaacaa aaaggctttt 180

gataagttta aaaaagaaca tggagtggcc tctcaggctg acagtgcagc accatcagaa 240

cggtttgaag gtccctgcat agattccacc ccttggacaa cagaagaaca gaaactttta 300

gaacaggctt tgaaaacata cccagtaaat actcctgaac gatgggaaaa gatagccgaa 360

gctgttcctg gcaggacgaa gaaggactgc atgaggcgat acaaggaact tgtggagatg 420

gtgaaagcca agaaagctgc tcaggagcaa gtgctgaatg caagcagagc caggaaataa 480

tgcaggcaat cctggttgtg tgtgcacttt 510

<210> 4743
<211> 386
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

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<222> (184)..(184)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<400> 4743
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anaagcaatg gtcttgaaac atcatccaga caaacggaaa gcggctgggg aacccatcaa 120

agaaggagac aatgactact tcacttgcat aactaaagct tatgaaatgt tgtctgatcc 180

agtnaaaaaa ggcgggcatt taacagtgta gatcctactt ttgacaactc agttccttct 240

aaaagtgaag ctaaggacaa ttttttttcaa gtgttttctc cagtgtttga aaggaattcn 300

agatggtcaa ataaaaaaaa tgttcccaag ncttggtgat atgaactcct cgtttgaaga 360

tgtagatgcg ttttactctt tctggt 386

<210> 4744
<211> 534
<212> DNA
<213> Mus musculus

<220>
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<222> (331)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<400> 4744
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agggaatggg ctacatacca tctgccagca tgacccggct cgcccgatca cgaacccact 120

ccacctcaag tagcattggc tctggagaaa gtccctttag caggtctgtg accagcaatc 180

agtcagatgg aactcaagaa tcctgtgagt cccctgatgt cctggacaga caccagacca 240

tggaagtgtc ttgctaagca gatctcctcc cctggaccat gcaagtccct ctccttgaaa 300

tgaccactcc gtaatagaac atttcattcc nntcagctgg cccccacttc ctttcactnc 360

acgcatggcc acagcatctc tctctagtag ccgagagtgt cattctctcc acccttttctg 420

tgtgtaccag agccacaccc atgccattac tgtaacattc caacatctcc atctgacctg 480

acctccatat cttctcttgc cagcctttcc ctatgctccc tcaaatatgt atct 534

<210> 4745
<211> 433
<212> DNA
<213> Mus musculus

<400> 4745
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gcaagaagtc agtcgtgtgg gaaaacaagc atatcacatg gtttgcaacc cttgacggtg 120

gcattgggct cctgctgccc atgcaagaaa agacataccg acgcttgctg atgctgcaga 180

atgcactgac gaccatgcta ccccaccacg ctggcctcaa cccccgcgcc ttccgaatgt 240

tgcacgtaga ccggcgcatc ttgcagaatg ctgtgcgcaa cgtccttgat ggggaactgc 300

taaaccgcta cctatacctc agcaccatgg agcgcagtga gctggccaag aagataggta 360

ccacgcctga cattatcctg gatgacttgg ctggagacag accgggtcac ggctcacttc 420

taactctagg atg 433

<210> 4746
<211> 470
<212> DNA
<213> Mus musculus

<400> 4746
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actggctggc tgagcagcat cacatgcggg caacaggcgg aaagatggcg taccttctca 120

ttgaagaaga catccgggac ttggctgcca gcgatgacta cagaggatgc ttggacctga 180

agttggagga gctgaaatcc tttgttctgc catcctggat ggttgagaag atgcggaaat 240

acatggagac actgcggaca gaaaatgagc accgcgctgc ggaagcgcct ccccagacct 300

gagccgggtg tcctggctac tacacttggc ggcctgcctc caagaccctc tttccccacc 360

cggctgaggc catcatgggg atttggtcta gttgactctt aacagcatta agctgtacat 420

gagctagttt gtagtgactc actgcagagc accccagact ggcatgtggt 470

<210> 4747
<211> 388
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<400> 4747
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agctcaaccc ttatgctgcc tggcgccttc tggacatctc agcctccagc acagagcaga 120

tcctctgagg gcagcaatgg agtctaggca gctcgaggct agaccatcat gggacagaca 180

cacagagaca ctttgccaca tctgatacag ctgtgaanca agcttctgcc ccaagttctt 240

cagggcagcn tgtgaaacca gctggacnaa gggaagagcn ttggggtgtc tgnagcagga 300

tggggactgt ctcccagtgc gtccgtcaca ggggttgctg gcagtgtcag aaggccccca 360

gccccaggac tcctgtcggg tgaggcct 388

<210> 4748
<211> 121
<212> DNA
<213> Mus musculus

<400> 4748
gagaatggcg ctgtcattac aggccattgg tgtagcttga aggcagatgc tactctggcc 60

tcagatacat tgctgtggaa gcaggcgctt ttggtgggga gatggtggtg ggtttgtcct 120

t 121

<210> 4749
<211> 437
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<400> 4749
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gactttggta caggtggcta gctttgccat gggtcgagat ccgggcttct ttcccaatcc 120

aaacaagttt gacccaactc gttggctgga aaaaagccna aaataccacc cacttccggt 180

acttgggctt tggctggggt gttcggcnan tntctgggcc ggcggattgc ggagctggag 240

atgaccatcc tccttatcaa tctgctggag aacttcagaa ttgaagttca aaatctccgt 300

gatgtgggga ccaagttcag cctcatcctg atgcctgaga accccatcct cttcaacttc 360

cagcctctca agcaggacct gggcccagcc gtgaccagaa aagacaacac tgtgaactga 420

aggctggagt cacatgg 437

<210> 4750
<211> 451
<212> DNA
<213> Mus musculus

<400> 4750
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aggtgattct ccctcatttc attcttgggc tgccatagcc cctgctgtaa tttatttctt 120

tagccatcct tcccccgata ctaagaggaa aaattattcc tcatactgct ttcaagctat 180

cctaagccag tgtcactgtg gaaaggagcg aacggatgct gcgtccacga gaacttgaca 240

gctccatcct cccctcaccc gcacagcacg gtagtgttag gcttggttcc cttgggcctg 300

ggggcagttt tacttggcca gaaagcagtg tttgaatact tgaaatcatg tgttgtgttc 360

tgtttaaatg ttgtttgtag acattgtgct gtacacctgt ctccatgtct gtttgcagat 420

gacactgtga agtgtgccac ccttatatgg t 451

<210> 4751
<211> 490
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

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tgaacctcct cagtatccgt atattcctgc acatataaca aaacccaagg aacataagaa 120

gttgtttctg gttcagcttc aagagaaagc cttgtttgca gtccctaaaa attacaagct 180

ggtagctgca ccattgtttg agctgtatga caatgcaccg gggtatggac ccatcatttc 240

tagtcttcct cagctgctga gcaggttcaa ttttatatac aactgaattc ctgtatgcag 300

aagtaaaaga anccgtntct atgagcacag cttacacgtg tagaagagta actgtagaac 360

aagttttggt tttntcttgt tccctaaatt gccaccacct tcctgtttga agagtaaaat 420

gaatatgacc gagatagtgg tggaaacatg tggcagtgtt cattagcttt tggttctact 480

catacttttt 490

<210> 4752
<211> 483
<212> DNA
<213> Mus musculus

<400> 4752
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gaccagagcc ttctgtgagc tgtgcctggc cccttgtctg ctcacaccct ctgtgcctgg 120

ttcttagctc tgggcgtggc tcagcactgt ccctcagcac tgctcctctc ttgctgatct 180

tttagctcac acccaaagca tttcaccaac ctgggccaac agaggagggg cctttcctgc 240

cacaccctta agttcagtag ctgtttaact acagttttta atgttactcg gatgttcaag 300

tgtgatttag tgcttgcttc tccacaggga agtgggggggc ttgtctggtt tgtaacattt 360

ctgtgtttat aatgtccttt ctccctgtga gcacagctca gctatggagt tactcagggc 420

gtgaacagct cacctggtgc tccccacagg cccttctcta acacgtactt cttgtttgtt 480

cct 483

<210> 4753
<211> 554
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

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gaaatgtttt accaaggcct tatctggaat gggacatgtg tggcgaaagg tccatgtagt 120

ctgggtgaac atcgggggcc ttcatgctgc agtttatctt ctaaagcgca ctgctcaagc 180

ctttgttcat ccttcagatc aagatgaagg aagagaccct ccttggtaaa gaaaagagtg 240

aagacaactt attaatattt gtagttccta acactggaaa tatcagcata aagaacttgc 300

tttgggagaa aaatagcaga aaagtaactt acagtacagg ttacactgct tgaccactcc 360

agaantgctt gatttctagc aaggtgattg taatggtatt tcttaagaag cctacactgc 420

ttggcttcta agtgtcagaa cactttaggc catattctat tgcttgtgca acctactgtt 480

ttatggtcta aattctttgt atcatctcag aagcagaagc atcccttaag atctacagtt 540

ttatcatctg cctt 554

<210> 4754
<211> 473
<212> DNA
<213> Mus musculus

<400> 4754
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agagggagcg gaagccatcg ggggggagtt caaagggcac cagtcggcca gggactccca 120

gtgcagaagc agcaagcacc tcttctaccc tgcgggctgc agccagcaag ctggagcagg 180

ggaagcggac gagtgagact ccagcagcca agcgtcttcg gatggacacg ggtccccaga 240

gcctgtctgg gaagtccaca cccagcagcg gtgatgtcca ggtgacagag gacgctgtgc 300

gccgctacct gacccgcaag cccatgacca caaaggacct gctgaagaag ttccagacca 360

agaagacagg gctgagcagc gagcagacag taaatgtgct ggcgcagatc ctcaagcgcc 420

tcaaccctga gcgcaagatg attggtgata agatgcactt ctccctcaaa gag 473

<210> 4755
<211> 545
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<400> 4755
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aagtatggca ttgtcctaaa ggagtttcgg cctgagganc agccttggct actccgtgtc 120

aatggcaaat caggacggaa gttcaaaggc attaagaaag gcggggtaac agagaacaca 180

gcctnactac atcttcacac agtgtgctga tggtgccttt gaggctttcc ctgtacagaa 240

ctggtacaat ttcacaccac tggcccgaca ccgcacactc actgctgagg aagccgagga 300

ggaatgggag aggaggaaca aggtcctaaa ccacttcagc atcatgcagc agcggcggct 360

caaggaccag gaccaggatg aagatgagga ggagaaggag aagcgcagtc gcaagaagcc 420

tagtganctg cgcattcatg acctggagga tgacctggaa atgtcctccg atgccagcga 480

tgccagtggt gaagagggca gcagaacctc caaggctaag aaaaaggccc ctgtgaccaa 540

ggcag 545

<210> 4756
<211> 443
<212> DNA
<213> Mus musculus

<220>
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<222> (34)..(34)
<223> n is a, c, g, or t

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aacgagcctc cactagtcca cacagccgcc agtctcttta aggagatgtg ttaccggtac 120

agagaagatc tgatggcagg aatcatcatt gcaggctggg accctcaaga aggagggcag 180

gtgtactctg ttcccatggg gggtatgatg gtaagacagt cctttgccat cggaggctcc 240

gggagctcgt acatctatgg ctatgttgat gctacgtatc gggaaggcat gaccaaggac 300

gaatgtctgc agttcactgc caatgctctc gctttggcca tggaacgcga cggctccagt 360

ggaggggtga tccgcttggc agccattcag gagtcagggg tagagcggca ggtgcttttg 420

ggagaccaaa tccccaagtt cac 443

<210> 4757
<211> 561
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
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<222> (102)..(102)
<223> n is a, c, g, or t

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<222> (117)..(117)
<223> n is a, c, g, or t

<220>
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<222> (355)..(355)
<223> n is a, c, g, or t

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<222> (361)..(361)
<223> n is a, c, g, or t

<220>
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<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

<400> 4757
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ggttcaagcc aggctgacca agaagccaaa ganctggcca gncagattag ttttaanggc 120

cgaagtcaat tcatctggaa agactatcgc tgaatcagac ttaaaccagt gtttctcact 180

aaatgactca caagacgatt tacctacaac attccagggt gctacagcaa gcacatcgta 240

tggcgcccag aatccatcag gagcaccctt gccacaacct acccagccag ctcctaagaa 300

tacctccatg agccctcggc agcgcagagc ccagcaacag agtcagagaa ggccnatcca 360

nttcccccga tgtgctccaa ggccagccac caagagccca ccacacagag cacggcggnt 420

ccgccatgct gatcatcatc ctgactttag cattggcggn tnttatattc cgacgaatat 480

atctggccaa tgagtacata tttgactttg agttataatg ctggtttgtg acttaagagc 540

tgtgactcag ttgcttcatt a 561

<210> 4758
<211> 86
<212> DNA
<213> Mus musculus

<400> 4758
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ctatcctgat ccctgttccc ctgaga 86

<210> 4759
<211> 460
<212> DNA
<213> Mus musculus

<400> 4759
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acacgtgcgc cgactgcggg acgatcctcc tgcaagataa acagcggaaa atctactgtg 120

tggcttgtca ggagctcgac tcagacgtgg ataaagataa cccggcactg aatgcacagg 180

cggcgctctc tcaagctcgg gaacaccagc tggcctcatc tacagagcct gcctcgagct 240

ctcggccccc atcccagcca ccagtacccc gtccagagca ctgtgaaggc gcagcagccg 300

gggctcaagg cagcccaggc gcctcctctt ccggctgcac ctccaaatac ggacgcggtg 360

gcttccacac agacggccct cctgcagaag ctaacctggg cgtcagtcga gctgggctct 420

agcacctcct tggagactag tatccagctc tgtgggctta 460

<210> 4760
<211> 309
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<400> 4760
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aaactggctt tgcttcttct acaaacattt tgaacctagt tgatcaactc aaagggaaaa 120

agatgaggaa gaaggaggcc gagcagaagg agggagagtt caccttgcat ggccgggcta 180

tcttggagat ggagcagttc atccgagaga gctacccaga ttctgtgaag atgtgcaaca 240

tctgccacgg cctcctcatc cagggtcaaa ngttgtgaga cgtgtggaat taggatgcat 300

ttgccttgt 309

<210> 4761
<211> 140
<212> DNA
<213> Mus musculus

<400> 4761
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aagaggagga ggaagaggag gaggaagagc cggagccaga gcgagtgtag cacaggtgcc 120

ctgcccaagt ctgggctgca 140

<210> 4762
<211> 332
<212> DNA
<213> Mus musculus

<400> 4762
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tccctcaagt aaactgatta gaattcttcg aatgtctgac cctgaaagag ggcaaaccac 120

actgcccttc cgacctgtga ctcaagagga agatgacagt gcaagttgac agcttagtgc 180

cttgcctcgt actgaagggg aattgtgagg ggataactgg actggtggat gaaatggcgt 240

gagacagagg cactctgaaa taaaggagct cctttaacat cactcatcgc ttgtgtaaat 300

aagcctagaa agccagctgt tccttgtgaa aa 332

<210> 4763
<211> 435
<212> DNA
<213> Mus musculus

<400> 4763
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tatatgatgt gagactcaga gctgcttacc atccagagtt tccaactgtt ctgacagctt 120

tagaaataga caatgctgtt gtggcaaaca gcctgattga catgcggagc atagagacag 180

tgctgctgat caaaaataat tctgtggctc gtgcagtcat gcaatcccaa aagccaccca 240

aaaattgtag agaagctttt actgctgatg gtgatcaagt gtttgcagga cgttattatt 300

catctgaaag tacaagaccc aagtttctaa gcagagatgt ggattctgaa ataagtgact 360

tggagactga gattgaaaat aaaaagggcc acataataac ccttcagcag cgtctgtctg 420

cgcttgagaa ggata 435

<210> 4764
<211> 540
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (502)..(502)
<223> n is a, c, g, or t

<400> 4764
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caactgattt cagaaaaagg aaatatttat tcaaggggaa aagactttca atttttgctg 120

ataaggcgtt tgctgatgaa ccacctgaac cagaagcatc accttctctc tgggagatag 180

agtttgctaa gcagttagcc tcggtagctg accagccctt tgagaatgga tttgaggaga 240

tgatacagtg gaccaaggag gggaagctgt gggagttccc agtcaacaat gaagcaggtt 300

tagatgacga tggctccgaa ttccatgagc atatattttt ggnataagtn ncntggagga 360

tttccccaag caaggaccaa tccntctgtt catggagctg gtgacctgtg nccttccaa 420

aaacccatat ctgagtgtta aacagaaggt cgagcacata gagtggttta gaaattattt 480

taatgaaaaa agagatattc tncaaagaaa ataatatagc gttcacttaa catcacaaag 540

<210> 4765
<211> 408
<212> DNA
<213> Mus musculus

<400> 4765
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tcgtatgtga agagactgct aaatatctta ttttatggtg tttccaccta gaagctgagc 120

agaaaggcgc tctaatggaa cagatagcac accaagctgt ggtaatgcag tttattatgg 180

aaatggccaa aaactgcaat gtggatccaa gaggctgttt tcgtttgttt ttccagaaag 240

ccaaagcgga ggaagaaggt tattttgaag cattcaaaaa tgaacttgaa gctttcaagt 300

caagagtaag actttacgct caatcacaaa gcttgcagcc tgtgacagtt cagaatcatg 360

tcccccattc tggtgttgga tgcataggct ccttagaatc cttaccac 408

<210> 4766
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<400> 4766
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tgtcacgcta cggagccagc ggatgaagct acccagctct gtgggtcaga agaagatcaa 120

ggcgctggaa cagatgctgc tggaacttgg tgtggagctg agccctaccc ccacagagga 180

gctggtgcat atgttcaatg agttgcggag cgacctggtg ttactctacg agctcaagca 240

ggcctgtgcc aactgtgaat atgagctaca gatgctgcgg caccggcacg aggccctggc 300

tcgggcagga gtgctggggg cccctgccgc agcagcnagt gggaccaacc ccggcttntg 360

ctgagccaac agtgtctgaa tntgganttg gtnctggacc ccaccaagga taccatcatt 420

gatntngtgg gtgcaccccc cacacccaat tcgcggaaac gacgggaatc agcctccag 479

<210> 4767
<211> 128
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (30)..(30)
<223> n is a, c, g, or t

<400> 4767
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aatggccaac atcccgaaga aaacatccct ccaaaagtca agcctgagcc aagtatctcg 120

taccaggg 128

<210> 4768
<211> 558
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (491)..(491)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (516)..(516)
<223> n is a, c, g, or t

<400> 4768
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ctcattatcc agagatggcc aggatgggga gagggacggg gttgcacttt gcttctgctt 120

gtggcctctg ggggaaggac ctgcagtgca gtctctccac actgtgggtt ctgctatagg 180

cttctagaga tacaggttgc cgtgnccagg atcctgctta ctgccctttc ctcncagctc 240

cccangtctc caagncagtg gtactgcatg aagaaatcct gctgtgaaag cctattggan 300

tcgggntgta gggagatggg tgtgcctgaa gcaaaagcna tgggtactnc acaggagtcc 360

tattaggtgt ttntctgata gtgttcccaa tnnatnccag ggantctacc actgagatnt 420

caggctgagg cctgagaagg agaaagtgac ccctcacttg cctggcttcc ttagcttgct 480

cctgagcttt ncaaaaaacc accctagacc ccactnctac aagctacaga acaacactac 540

tgtaactacc tactaaat 558

<210> 4769
<211> 327
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(291)
<223> n is a, c, g, or t

<400> 4769
cccctgaaca tccaggacaa ggacagcatc cagcgagtct tacaggctgt ggataaagcn 60

aatggctact gttttggggt tcaagagcag cgaagcctgg aagccatgat gtccgctgca 120

atgggagctg attttcactt ctcctccact ctgggcatcc aggagaagta cttagcaccc 180

tcggagcaga ccgcagagca ggaagccatg cagnctgtga cacatgggcc tggagagccg 240

gggacacctc agcgaggtac ggacccaaaa naccacntcc nnnncnnnnn ncagaggctg 300

ggaggaaacc tccatccctg caaagga 327

<210> 4770
<211> 529
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

<400> 4770
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agagtcatct attgcagtct agatgacttc ctggaaaaac tttgcctctt aaaatatctt 120

aactgtgtgt gttaatttgt aaaattcatt atttgttcaa aaagttatgt atgtcccatt 180

cccagatata tgcactttta agtgaagaaa atgttgctag ctgtttattt aaaacttggg 240

aaacttttta ataaaaatc aaaaaaattt agaagttatt tcataaagcc atatggtatt 300

gacatatttt tatggtagta tttttgaatt tttttttga gagttattct ggaagtgtgt 360

tacaagctag gagaatgctt ttggacagtt atttttcata aaagatttgt atgattcaaa 420

accatttctt agactgaagt aantcgtttt aatctgcaca ggttatcttg gcttctgcca 480

aaancaaagt ttagtatttt ctttatatac ttggttatct ggactggca 529

<210> 4771
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (373)..(373)
<223> n is a, c, g, or t

<400> 4771
gtgggaatac acttactaca gcagaaacaa ggacagagat ggctatgaat catcatacag 60

gaggaggact ctttcaagag cccattactc tagacantct tcaagtccag aatttagaat 120

tcagtctttt tctgaaagaa caaatgcgag gaagaagaat cacagtgaaa ggaaatacta 180

ctactatgaa aggcgccggt ccaggagcgt gtccagtaac aggtcgagga ctacatccgc 240

cngggcccga ccgggtgaga aatgagaagc ccggagggaa acgcaagtac naaacccggc 300

atttggaagg taccagtgaa gaggctcagc cggctcggga gttcacttcc aaagggaagg 360

acantcatta ccnaaaatca aaattggatg gcagttataa aaatgagagt gacagctttt 420

cagatagcag atcatcagac agagagacaa aacacaagag gaggaggagg aggacccgga 480

gcctaagtgt agagat 496

<210> 4772
<211> 267
<212> DNA
<213> Mus musculus

<400> 4772
gtggcccaga gacttttcag tatgggtgat gtcaatgcca aggctagcca gactggacag 60

acagccctca tgctggccat cagccatggc caccaggaca tggtagctgc cttgctagaa 120

tgcggggctg atgtcaatgt acaggatgct gatggggcca cagcactgat gtgtgccagc 180

gagtatggac gccttgatac agttcaattg ttgttggccc agccaggttg tgacctaacc 240

atcttagaca atgagggcac aagtgcc 267

<210> 4773
<211> 432
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 4773
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gagcacatcc ggatgatgca gagagagtac cagatcagat ccgctgaact gaacagtgcc 120

cttttcctgc tgagantcat caatagcgat gtcgtcactg aactcttttt caggcccatc 180

attggtgcag tcagcatgga tgatatgatg ctggagatgc tctgtgcaaa gctgtgaagg 240

catatgtcca ctcaagtgca ttttactata gatggagaaa gcggntcgta gctgtaggca 300

gaagantgnt naaatttgtg aaaccaaact ttncttgtat ttttacatnc atagtatatt 360

tgtattcaat tgaagaaata ctttagttac aatgtaaaaa tccntntgct ccatactggc 420

ttcttgtgaa gg 432

<210> 4774
<211> 528
<212> DNA
<213> Mus musculus

<400> 4774
gggaagatca ccgtgagcca catttgctgt tgggaatccc aggtgccacc gttgctgtgc 60

gtatgctagt ggctaaggaa acattcccag gggttcctga agatccagaa agggcatgaa 120

acctgctcca tgtgcctgtc cctccctgct gcagctacca aaggagagtc ctcaaagagg 180

ctccactcag ggctgctttc ctgggcctga gtcaatggca caaggccccc gccacactgc 240

cattgctgta tggctgcata caccagacca gaacactccc acagccaaga catctctctg 300

ggaccgcagc agctccctac cccacagcct aaagtttcct actggggcta ttcagcaagg 360

gccacgtagc ttgaccttcc tgcctctaca ctcagctgga tgtcagagcc cctagtcacc 420

cccaggccct gtactgttgg ggtctttgag ccatgcagtc aggttccctg gctggacaga 480

aaagacagag gctttatgaa gccagaccgt ttctattttt gtccactg 528

<210> 4775
<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (293)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<400> 4775
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aaaccgtatc cctgtgctca gtgtggcaaa agcttcagtc agcgctctga tctggttaac 120

catcaaagag ttcacgctga tcaaaaacta caaatgtgac tgatacctgt gtgaagcctt 180

cagcactgtg accaatctta ctggatatca gaggatctgc aggagccgtt tgcacctctc 240

tgaaacgaga aaaaggaaga gtgcctccca ggcggaatca aagcaggtca gtnnnntggc 300

agagttcccg gcttgctgat gcatggaaca atgagaagag gtgtgcttga ggctcaantc 360

aagggctgaa tcttctgttg accttggtgg aaggaacggg gcttactgga tgggaacaga 420

tgtnttngtg tgtatattgc agcaaattgt taatactggc ttgtggcttt gctccccatg 480

gtactgtagt ataaaaaagg ctatgagaaa tacactcact gctggcgtgg ta 532

<210> 4776
<211> 516
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(285)
<223> n is a, c, g, or t

<220>
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<222> (351)..(351)
<223> n is a, c, g, or t

<220>
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<222> (438)..(438)
<223> n is a, c, g, or t

<220>
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<222> (477)..(477)
<223> n is a, c, g, or t

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<222> (482)..(482)
<223> n is a, c, g, or t

<220>
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<222> (488)..(488)
<223> n is a, c, g, or t

<400> 4776
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gtgcagagca gccggacgta aagcagcgct gttgggtcca gctctgcctc tgctcacggt 120

gggccctgag cagcacccag tcagtccacc gtcctctgct cacggtgggc cctgagcagc 180

acccagtcag tccaccgtgt cctgtgtgag ctccagactt gtatttcctc ttacggttgt 240

gcatgcggtt tgagtaaatt ntaaaacgag tctgccaaac attnnggcgg aattcgctcc 300

caccggagtg tataatatgt ttggggctga ggaaagacgg gggttcactt nttccttgac 360

tttgagtgct gtagatatta aacacctctc caggtgcagc tccacactgg tgcagctgaa 420

agcagaaaca actggttntc ttcaattatt tccaaaggag gaaaaaaaaa tcagttntcc 480

tntccctntc ttgtttattc ctctgtttct tgacta 516

<210> 4777
<211> 501
<212> DNA
<213> Mus musculus

<220>
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<222> (81)..(81)
<223> n is a, c, g, or t

<220>
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<222> (149)..(149)
<223> n is a, c, g, or t

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<222> (153)..(154)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(163)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
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<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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taactactag ccaatttctg ncaaagagca agttaattct gatcccgata acccagagac 120

aaaggtctcc aaggaaaact gctgctgtna gtnngncnnn tnngggcttt gtttttgttt 180

aggganaggg ctagaggaac aggtttagga ggatagcact gtccgcatct ctccgcctac 240

cgtcttctgc caggccgagc tgctccctgt ggagagggac naactctttc tcatttcgca 300

tatttttagt ttgtgagcna ngacacaaat gcnagatttg gctagtaaag caaagtaatt 360

gaacacctac ctccttcaga gaaagatcag gaggggctaa tagtgggaat ggatggaaac 420

ttggacaata ggaccagaga aattctcaaa tggcagcatg catctcacat ctctgagaac 480

ccgttgcaat tcaatcttct a   501

<210> 4778
<211> 277
<212> DNA
<213> Mus musculus

<400> 4778
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gcaaccatac cctctccagc cacctacaga tagacaaggt gactgacaac cagacagggg 120

aggtgctcat ctcggagaaa gtcgaggcct ccattgagcc agaacggaac ccggaagggg 180

actggaaggt tcccaaagta gaagcaaaag agcccccggt gcctgtgcag aaggtcaccg 240

acagcttgca cccagagccc cggcaggtgg ctttctg   277

<210> 4779
<211> 370
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<400> 4779
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cggaaacgcg ttgtccagag gttgatattc tgcaattttg atgaaagaaa tagcactgcc 120

ttcaaaaaga aaaagggaaa aaaaatcaga tgccaagaac ttcagacttg tgtttcattt 180

tgggttttga tttcaggtgc tcaaaatgca gaacacgaaa caaatcctgt acttagatcc 240

actttgactg aatccaaagt tcccatttca gatantccac atntacctgg ntntcctgtt 300

cagtgtgtgt gcattgatgt tgctaagatg tgtgggtttn tntctggatg gcacaattat 360

acttagtttt 370

<210> 4780
<211> 551
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (525)..(525)
<223> n is a, c, g, or t

<400> 4780
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gactgctcag cccccacctc attatgggcc aacacaacca gcctatagtc ctagccagca 120

gctcagagcc ccatcagcat ttcctgcagt gcagtaccta tctcagccac agccacaacc 180

ctatgcagtg catggccact ttcagcccac tcagacaggg ttcctccagc ccggcagtac 240

cctctctttg cagaaacaga tggagcatgc caaccagcag accagcttct cggactcatc 300

ttctctgcgg cccatgcacc cccaagctct gcatccagcc cctggactcc tggcttcccc 360

ccagcttccc gtacagatac aagcagcagg ganagtcagg ctttngccac caccagccaa 420

cctggccccc gantcccttt catccaacac agccagaacc caagattnta tcacaagtaa 480

ccaccagaga gctccagccc accctccatc cctcaggctg gggtnttatg tgccccaaac 540

caataaaatg t 551

<210> 4781
<211> 417
<212> DNA
<213> Mus musculus

<400> 4781
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tggacctaac ttcagaactg aaatgaattg gcaccagtgc tctctcagtg tggtgttctg 120

tgacatcctc gctctctggc ccacttaatc acttttgtat gtgtgttttc tttataatgt 180

attttgtatc aatttaattt gtataactga tttctttgtc ctaactcata aaaatagttt 240

tcttcttgtt ctaaaaagtc attggttaaa tgtatttgct tcctgttgct aaaacgagta 300

aattgcgccc attcgaatgg cctgggtagt ccttgactgc agtgggaacg cacccttgc 360

agccatgaaa gctaaaggtt ttgtttcctg acattattga tggcctctgg tcttttc 417

<210> 4782
<211> 493
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

<400> 4782
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aatcaagaca gcgacctcag gaggagcatt cacctgagga gagtgaacgg agagctcttc 120

tgctgaagag gtgggcactg tttaagcagc aggagcatga gatggagagg gacgccatca 180

gatccatgct agaagcccag caggaagccc tggaggagct gaaacttgaa tctgcagagc 240

tctatgccga ggccataaag cgggatacca gcctattccc cttcgagaaa gaagggccac 300

attacacacc acctatctct aactaccagg cccctgaagg caggtacaat gatatcacca 360

aggtgtacac acaagtagaa ttcaaaagat aagagactga aaactgctnt cctgggaaca 420

tgctggccct aggantntgg agtagagatn taaagtntac tttccacaga caagtgagtc 480

atcctaggaa caa 493

<210> 4783
<211> 380
<212> DNA
<213> Mus musculus

<400> 4783
gttcaatgac ctctgaaagc ctgaacttca gggaaatgct ggctacaatc accgacccgc 60

catggcctcc agtagtgtat tagctcagtg tgtatctagt tggcagttca ccatcctgtg 120

caacaggttt cttttgctgg ctgtacatca tgtaatcctc attaaagtat atcttcatag 180

tgtggaccat aagaaatctt caattaaatg ctaacttctg cctgtgatta gaatttggca 240

taaaatattt ggcataaagt aactgtatga aattctaatc taaacactgt tactaaagtt 300

gtaagtgaaa atgatggtat tcatgattaa atgctgttca tgaatgtgat acaatctagg 360

gctactagtt acttaacatt 380

<210> 4784
<211> 426
<212> DNA
<213> Mus musculus

<400> 4784
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catctcctga ggcagggttg tgctggtgtg ttctccccac tcttgagagg ggtctctcct 120

tcaggcctca actcaaacag gcttgcacag gagtggagac ttgagccggc agagagaaag 180

gactgaggga ctgtcttttc tcataggaag ttgggggtgt ccctggtctt gttttcattg 240

tgaacagcac agattccagc actggtgtgg gagagagaaa ttccccaccc agacagagag 300

ccaggaaaga tggagaaagt gaaagtcagt ggtcaggagc aaagacctca tatgagcctt 360

cagatggttc ggggcccaaa aacactcctg ggcccctggg aaggctggga ccatagtact 420

caaacc 426

<210> 4785
<211> 314
<212> DNA
<213> Mus musculus

<400> 4785
tttccggccg gagagcagtc agatatgaac ggacgggtgg attatttagt cacggaggaa 60

gagatcaacc tgacgagagg accttcgggg ctgggcttca acatcgtcgg tgggacagat 120

caacagtatg tctccaacga cagtggcatc tacgtcagcc gtatcaaaga ggatggggct 180

gcggcccagg atgggcggct ccaggagggt gataagatcc tctcggtaaa tggccaagat 240

ctgaagaacc tgctgcacca agatgctgta gacctcttcc gtaatgcggg atgtgctgtg 300

tccctgagag taca 314

<210> 4786
<211> 342
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (60)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<400> 4786
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ngcgcnctgg ttngcagaga ggtacaacac aaatttgagg ggaaagatgg ctctgaggac 120

aactggagtg ggatggtgct agcccaggtg ccattcttac aggactattt ttacatttcc 180

tacaagaagg atccggtcct ctacgtctat cagctcctgg atgactacaa ggaaggtaac 240

ctccacatca ttccagagac ccctctggct gaggcgagat caggtgatga caatganttc 300

ttaataggtt cctgggtgca gtacaccaga gatgatggat cc 342

<210> 4787
<211> 445
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<400> 4787
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agggtgtggt aaagagacaa gaaatgggag aatctgagaa atggtgagta attatagttt 120

gacaagattg gaattaacct gtgttcttca ggactctatg tgcattaact ctggggtaga 180

caggagcacc tgtaaatgca gaacgtctca cagctacgag tacatgtggc ggatggcagg 240

cagttctact ccgcaatcag gaaatatggt ctaacgttac tctgaaaccc agagccactt 300

cctgcgaaag gctggtttgt acagtggcaa gtcctcccac aatgagtgat aggtactact 360

gttcagacct gtttgtgagt ttagatgtac aaagatntcg gcctcacaaa tcctctgtgt 420

gcagatgtgt ttgttcttac tagaa 445

<210> 4788
<211> 500
<212> DNA
<213> Mus musculus

<400> 4788
tgactttctg ttggagcctc ctgggcacaa caaagaaaat gaagatgatg ttgaggttat 60

gtcaacagac tcttcgagca gcagtagcga ctctgactga gaaaggtgtg gcatgcacag 120

actccagtgc ggcagagttc tgtcaagggg gaaagaaaag cacagaccta aggagcccat 180

gaaaatcagc gggttttctt cctagagccc gagcccctgg ttttctatct gttacacaat 240

gtttgaggat tagtcagaat tactgtagtg tttggttgta catagcagcc ctggcatgag 300

actgaagagg aactcacaca actcatggag catacttaga aagagcactg agccagacgt 360

ggtggctcac acctatagtc ccagcacctg ggaggctgag ggattgctgt gagtgtcggg 420

ccgccttgag ctacagaatg agctgagcca ccagggtaac agagataaga acaggcatcg 480

gagcgctgtg tgatacttca 500

<210> 4789
<211> 528
<212> DNA
<213> Mus musculus

<400> 4789

gaatcgcttc ttctccgata aacagagatt tattgatgaa atcaacagtg tgactgcaga 60

gaaactcatc tataattgtg ctgtggaaat ggttcaatct gcagccctgg atgagatgtt 120

tcagcagact gaagacatcg tttatcgcta ccacaaggca gcccttcttt tggaaggctt 180

aagtaagatc ctgcaggacc ctacagatgt tgaaaatgtg cataagtata aatgtagtat 240

tgaaagaaga ttgtcagcac tctgctgtag cactgcaact gtgtgagtag caggcttgtc 300

tgtggactgg catggaacag gaggtgatac atttgggatt acatcttggt tctgtcaccc 360

atcccaggac agtgtggtga ctaccaaaga acaagcagca gcttaagaag gaagaacaat 420

acaaaactac tacatattgt agaaaacctg ccttattgga gaagtcactc ccccttcct 480

ttctcttcat agaagcagaa caaaaagttt tccacatggc tcaagtta 528

<210> 4790
<211> 472
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<400> 4790
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tcagccccca ccaccctcta cctcgtgcac actgaccatg cttaccaggc cacacccccg 120

gtgacgattc ctggatccgc taagttcacc cccaatggca gcagcttcag catttcctgg 180

cagtctcccc cagtcacttt cactggcgtt ccggtgtctc ctccacatca tcccacagcn 240

ggctcaggag agcagagaca gcacgcccac acagccctgt cctccccgcc cagagggaca 300

gtcaccctaa ggaagcccag aggagaaggc aaaaangtgc cgcaaggttt atgggatgga 360

aaacagggac atgtggtgca ccgcctgccg ctggaagaag gcctgccagc ggttcattga 420

ctgagccatt cctgcctctc cttccaaagg aagctactca aggcccaggg aa 472

<210> 4791
<211> 170
<212> DNA
<213> Mus musculus

<400> 4791
attgttgatg aggattcgcc ggtccttccg cttggagagt tctcggagcc gtttgtacat 60

ttcatcactc agtgcatgag gaagcagccc aaggagagac cggcgcctga ggagctgatg 120

ggtcacccat tcatcgtgca gttcaatgat ggaaactcca ctgtggtgtc 170

<210> 4792
<211> 371
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (298)..(299)
<223> n is a, c, g, or t

<400> 4792
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gcctctcatt agcagtcaac gccaatgttg gggacactgc ggttcaagag ttggctcgaa 120

actgcccgca gctcgagcac ctagacctca ccggctgcct tcgggtcgga agcgacggtg 180

tcaggacact ggccgagtac tgcccggcgc tgcgctctct gcgggtgcgg cactgccacc 240

atgtggctga accgagcctg agccgcttgc ggaagcgtgg tgtggacatc gacgtggnna 300

ccacccctgc accaggctct ggtgctactc caggacatgg caggcttcgc acccttgtc 360

aacctacagg t 371

<210> 4793
<211> 555
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (452)..(452)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (516)..(516)
<223> n is a, c, g, or t

<400> 4793
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gacagagcca tggggcctcc ctgagcattc tttggcccag gcatcttctt gaggcccccc 120

tcttcactgc ttggggcctc ccagacaaag cctggtcctg tgtgctctgt agccagccag 180

ggcataggag cctttggtta gggcccagtc ttgtactgac caaacctcac tttcttctct 240

gagcctggag tctcagcttc actggacaca gcccttccna tacccgtggc gcccatctca 300

ccccaagctg ctggatacag ctntacctgn acnccaaccc ntggcggact cagaaaagca 360

ttcaataggc ttggccagga acttcctgtt ttccacttnt gctagccact gtgacctcac 420

agatccttct gtattccact ctcatctggc ancccaacc aggtgttctc agaagaacgg 480

actgggggcc cagcatgcca attcagagcc tcgaanccgg acacaggctc ttcctctctc 540

ttataccctg tataa 555

<210> 4794
<211> 380
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<400> 4794
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cactggttga acaaaacgga agaggaggct tctcggagca taagggagaa gatgtccatc 120

aacgactctc ccacccatgg acatgacata catgtgacca gagatttggt gaaacaccat 180

ctctcaaagt ctgatatgtt aacagacccg agtcaagaag tcctggagga aagaacaagg 240

atccagttta taagatggag ccacacccgt atcttccaag tgccaagtga agtgatggat 300

gacgtcatgc aggaacgaat agatcaagtg agacgaagcg tatntcatct catgtgtgac 360

tcgtacaatg atccaagctt 380

<210> 4795
<211> 427
<212> DNA
<213> Mus musculus

<400> 4795
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acactgggaa gcaagctttc caaaaagaag aagaagaaag ggaagaagag ttcctcagca 120

gaaggacata ctgatgctgt ccttgaccta tcctggaata agacagtcag aaatgtgctt 180

gcaagtgcat cggcagacag cactgtagtt ctctgggatc tgtctgtggg gaagtcagta 240

gccaggctta ctgcacatac agacaaggtt cagactctgc agtttcatcc atttgaagca 300

cagactctga tttctgggtc ctatgacaaa tcggtggctc tgtatgactg cagagaaccc 360

agccagaacc cacgccagtg gcggttcagt gggcagatcg agagagtgac ctggaaccac 420

ttctcac 427

<210> 4796
<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<400> 4796
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tgactacgaa gcaccacctc aagaagcggg cgtccagtgc tcgtgccaac atcacgctgt 120

ctgggaagaa gcgcaggaaa ctcttgcagc agatccgact tgcccagaaa gaaaaagcag 180

ccatggaagt ggaagccccc tccaagtcaa ccaggactag tcagccacag cccaagcaac 240

aaaagaagat aaaagctccc caggacgtag ctatggagga tnttgaagat aagagctaaa 300

atccctgcnt nttntaccag aagatgntca acagcactga gaaagatttg gaggaacttt 360

ggaaaaaata ttagcatatt tcactttcct agacac 396

<210> 4797
<211> 284
<212> DNA
<213> Mus musculus

<400> 4797
atttgcccac aagcccttta atgaagaact ttgataccag tcagtgggga gacattaaac 60

tagttgatgt ggataaactg tctttgccgc aagacacagg tgtgttcact agcaagattc 120

cctggtaccc ctatctgctg ctcatgatgg tagttctgct gggtctcctc atattctttg 180

gccccactgt attcctggaa tggtctccac ttgatgaatt ggcaacttgg aaagactatc 240

tttcaagctt caattcttac ctgactaagt ctgctgattt tata 284

<210> 4798
<211> 480
<212> DNA
<213> Mus musculus

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<222> (389)..(389)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gccgaagaag ctgacttctc ccctgggaac gcagatacct tcctctttct cgcccttcca 180

gggcagcagg agagggaaga actgaggtcc aggcttttcc ctatctccct gaggccagga 240

cagtcttctc cggtgaccat ggagtgaagg tcattctact gcctgtgctg gtagggaagc 300

cgtactccta tttgtccttt gagttgccac gtntcttggg aactgcagct aggcacctgt 360

gaacctagat tccaagcccg ggaggctgnc cgacgaaggg gagtgcattc atatcccggg 420

gagaagatgg gctgtcccca cccacgggnc cgtggggctt tcctgacttg cactgcatgt 480

<210> 4799
<211> 545
<212> DNA
<213> Mus musculus

<400> 4799
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tggtccagct aggggatgta gttcatggtg tggaaaggct ggtggacctc ctggggtgga 120

cacaagaact gctggatctt atgcagcggg aacgtggcaa gctggatgga caggacagat 180

aagactatgg cttcttcacc tggggaagtc acacagcaga tcatcctatg tccagcaaga 240

cttcatgcct gaagacagct ccaacacgtt tacaaacatg aaccagacca caacatgtgg 300

cctggacagt ggtcctccga ggctgccttt ggaaaggctg accagggatg tctacccttg 360

gggcccctcc atgtgtgcgc cctgtccacc tcatcactgc tgaaggtgta gtgcaggtgc 420

tgctttctgc agcggccctt aagttatcac gagggcagca cagcacgccc gtcgccaggc 480

aggcgatgca ctagggcaat ctagcatgtt gatcggtaaa gtggcatctt taactacaac 540

atcat 545

<210> 4800

<211> 160
<212> DNA
<213> Mus musculus

<400> 4800
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agaaaagcag acggaccctg accctgcatt tactctcgct cggagggtcc tgggagcagc 120

tggtacctca cgcaggatta acatttctct gcaaaggcag 160

<210> 4801
<211> 565
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (373)..(373)
<223> n is a, c, g, or t

<220>
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<222> (389)..(389)
<223> n is a, c, g, or t

<220>
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<222> (391)..(391)
<223> n is a, c, g, or t

<220>
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<222> (399)..(399)
<223> n is a, c, g, or t

<220>
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<222> (426)..(426)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

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<222> (481)..(481)
<223> n is a, c, g, or t

<220>
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<222> (502)..(502)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (517)..(517)
<223> n is a, c, g, or t

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<222> (538)..(538)
<223> n is a, c, g, or t

<220>
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<222> (540)..(540)
<223> n is a, c, g, or t

<400> 4801
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ctgaactgga aaatatcacc attcaatgtg atcctggata taccatagtt ggttcaccaa 120

acatcatttg ttcaaacaga acgtggtacc ctgaggtacc agctgtcag atggaggtcc 180

tagaagactg cagaatagtg agcagaggcg cacaactctt gcattgcctc tcaagcccag 240

aagatgtgca cagggccctg aaggtgtaca agctgtttct agagatcgaa cgattggaac 300

atcagaaaga gaagtggata canttacaca ggaaacctca ntctatgaaa attaatagnt 360

catttagact ttncaattag tggacagant ntccacgcna gcagctggcc tgacacacac 420

caccantcct gttaaaaggt tttggggcca gaagaactta ggttgtgttt tttttntttt 480

ntgttttgtt tttgaaacta tntcattcat tagtgtntag ccattgtggt tcaatttntn 540

tacttggctg gactcactga aatag 565

<210> 4802
<211> 236
<212> DNA
<213> Mus musculus

<400> 4802
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ctgccacctc ctgattgaat ctaacctcat ccagcacaaa gtcaggatgt tgtggaagga 120

gaacagacag ctgctaagga agcagattgc attggaagaa tgcaacataa aaacaaaaat 180

actatgtaaa gaaggcagcc agaagatcaa agacgaatat agcaggcaag cagcag 236

<210> 4803
<211> 495
<212> DNA
<213> Mus musculus

<400> 4803
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tcaactttcc agcagagtat ccattcaaac cacccaagat cacatttaaa acaaagatct 120

accaccctaa catcgatgag aaggggcagg tctgtctgcc agtcattagt gctgaaaact 180

ggaagccagc caccaagact gaccaagtaa tccagtccct catagcactg gtgaatgacc 240

cccagcctga gcacccactc cgggctgacc tagctgaaga atactctaag gaccgtaaaa 300

aattctgtaa gaatgctgaa gagtttacaa agaaatatgg ggaaaagcga cctgtggact 360

aaaatctgcc atgagtgatt ccagcaagtt tgagcagaga ccccgagcag tgcattcaga 420

caccccgcaa agcaggactc tgtggaaatt gacacgtgcc accaactggc gtccgcttgt 480

ggcagttact aactt 495

<210> 4804
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

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cgttgcctta aagcacatgc ctcccaacct gcagaaggtg gacctcttga gggcagttcc 120

caaaccagac ctagattcat acgtgtttct gcgagtgaaa gaacgacaag aaaacatact 180

agtagaacca gaagccgatg agcagagaga ctacgtgatt gacttggagg tgggnctcac 240

agcacttgat ccgatacaaa accatcgcac ctcttgttgc ttctggagca gttcagctaa 300

tataaaacaa agcaagcctg aggacatgga gtggtcacag acaatattag aaacnccatc 360

ttttgtgtct aatagtgaag tcatgttcca tacagttcnt cagcaatgtg tggaccactt 420

ggacgtagaa aggcnccgat gcagaattcc cttcgttgtc acanccttct cctaaattcc 480

tgtttaacca gcaccaacag atgggcccgt gctctgaata ctcag 525

<210> 4805
<211> 483
<212> DNA
<213> Mus musculus

<400> 4805
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gaaggaaaaa gcctgcttca cagaaaaagc gacggtttaa gactcacaat gaacacttgg 120

ctggagtgct gaaggattac tcggacatta ccccgggcaa atagggaaca cttttattcc 180

taaacacagt tacagacacg cagtcgagat ctttcttgat gcttgggatc tcaagactgt 240

ctgccttcct gcctgctcct caggcctgag agaggagctg ctcagtttac agaacaggag 300

cgggttacca gactcattct tttcatccag caggctagtg ggaaggaatg ggtgttcctg 360

tttaactttc tgggtttgtt tgttttattt tattagaaag acacttatat gacactcagg 420

tgtctgctat ttatcttgat ttctaaatgg ttctggattc catgttttct ctattcgctt 480

tag 483

<210> 4806
<211> 554

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<400> 4806
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ctgcgggaac tatacctcag caacaatggt atcgaggtta tcgagggcct ggagaacaac 120

aacaaactca ccatgttgga tattgcatca aatagaataa aaaagattga gaatatcagc 180

catctgacag aactgcaaga attctggatg aatgacaatc tactggagag ctggagtgac 240

cttgatgagc tgaagggtgc caggagtctg gagaccgtgt acctggagcg caacccccctg 300

cagaaggatc cacaataccg gcggaaggtc atgctggcct taccctctgt gcggcagatc 360

gacgccacat acgtcaggtt ntgagccctc cttgctcctc acctggtccc tntcctcaaa 420

agaacttccc agccacggtt ttttaatnct acctattgct cctgatgtcg tcactatacc 480

aacagtcaca acccaatggc aataataagg cactggtggc acctggcctg tgatgctaca 540

caccatttgg agat 554

<210> 4807
<211> 361
<212> DNA
<213> Mus musculus

<400> 4807
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ttatcccctg tgatcctgtg cctcacttca gactgcttag agccagcctc ttctcagact 120

taggcacagc ctctcttacc agatcagtgt taaaaagaag caccttggct cccatgcagg 180

aagacagagg cccattcctc ttgtctatag ccagccgagt ggctacttgt cactttccac 240

aaagaattaa gtatgagagt tttggatggg acagtggact aagctaaaaa tgtacttcac 300

cagcaagaat caactgtaaa attcaagatg ttccttcaaa tgttttctca tctgtctgtc 360

a 361

<210> 4808
<211> 553
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (479)..(479)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (495)..(495)
<223> n is a, c, g, or t

<400> 4808

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cagatcgcag agaggcgaga gcctatgggc agcatgtcat ccatggaagt gaatgtggac 120

gtgctggagc agatggacct gatggacatc tcagaccagg aggctctcga tgtcttcctg 180

aactccggcg gagaggacaa cattgtgatg tcccctggtg tggagatgga atccaacccc 240

aatcagaatg aaatgagtct tcagattcca agtccctcag aatcagcatc ccagccacct 300

gcctcaccct ctgcctgcac tgacctggac actgctgatg ccccccctcat ccagtctgat 360

gaggaggagg tacaggtgga cncgnccttg gtcacattac acactgacag aaantccacc 420

ccaggtgtca gtgntgacag tgaccagtat gantcaactc aggacattta agtgacttnt 480

nanctgtgcg cagantcctc ctgcaaagcc aggtgcttag aggttttcaa ttttacacac 540

ttgctaatgg gat 553

<210> 4809
<211> 463
<212> DNA
<213> Mus musculus

<400> 4809
cagtaccttg tctctgtttg ttaggaccaa acctcaaagc atggctgaga gttttcagta 60

gaaatggagt tacatctatt tgggagaata gtcttcagat cactacaatt tctagtttca 120

caggagcgtg gcttggagca tttcctattc cactggattg ggaaagaccg tggcaggtgt 180

ggcccatctc ctgtacactc ggagcgacct ttggctacgt ggctggcctg gttatctcgc 240

cactctggat ctactggaat agaaagcagc ttacatacaa gaacaattaa gaggagaaag 300

gagagaagtt atttctctgt gcagattcca taagggctgt gcagaagtta catggtccaa 360

gccgggcagt ccatttacag cactgttgtt ttctaaatgt catttcaaca tgatgtgatt 420

gtagcttttt aactatgaaa cccctgagag attgtacctt cta 463

<210> 4810
<211> 366
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<400> 4810
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cagagccaga gaaacctcgg aagcagctaa gctctgaagg cactgtgagg ttctttaact 120

cagttcggct ttgggatttt atcgagaacc gagaaacccg gcaagtcccc agcactgacg 180

atgtggatgt gacagagcta ggagacctct tcatgcacct ttctggagta gaatcatcag 240

aaccctagtc agtgctgacg ccttcatttg gctctgcagt caactttcca aggcacggtg 300

tggacgcatc tgtcaccgac ccgaggtgac gtggtanctg ggatgtgagt gcagtagtga 360

gtcccc 366

<210> 4811
<211> 245
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (171)..(171)
<223> n is a, c, g, or t

<400> 4811
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aaaatgantn ttctgtgntc aaaataagca gggggaggag tntnttcatc attgagatga 120

agcccaaggt tgaaagctgt cacctccacg ccccctngtca cagctgatgc ntcgtctcag 180

gaagctctgg tttactgtca gtaaaagcaa ttatttttat agtaagaaat caacttgttt 240

ctgat 245

<210> 4812
<211> 278
<212> DNA
<213> Mus musculus

<400> 4812
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tctggcatgg gagcatcctg ggtccttcag gaggcattgc tgaaatcttt cccatactac 120

atttcttcag gtttattcca agcttactct ctttgtctag gtcttttag taagaattct 180

gcttttgtac atattaacat gttgactcta ctgcagcatg tgttcctaca tgggacaggt 240

ggttagtgta cagcagatag aatctcatga cgctgtat 278

<210> 4813
<211> 210
<212> DNA
<213> Mus musculus

<400> 4813
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attttgatga gagtaaagaa agtgatgaag actttggtgt gagaagaagt aaagaatcaa 120

agaagaaaac agtgcagaag aaacctgcag gggaaaagaa ggaaaggaaa tcaaaaccca 180

aatgtgaggc atcagtgact tcagtagacc 210

<210> 4814
<211> 356
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

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cagttggtct tccttctgag gccactagga aaccagcaat aatgtgcagc ccttcagctg 120

aaagcaagag gcccaagtgg gtccccccag ctgcctctgg gagcaggaac tctagcagca 180

atgcattggc aggaacacct gccaagtccc cgagtcagag cctgcgtctg ggcctctccc 240

gattagcgcc agttaagcgc ttgcatccaa gtgccacaag cagccaagtg cggtagcagg 300

aaanggactg ctgggaccct tgggactgca agcagggttg tcatattcag cttcca 356

<210> 4815
<211> 459
<212> DNA
<213> Mus musculus

<400> 4815
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ggccctgaat gtggcttaca ggcgctgctt gcagattctg gctgcaggac tgttcttgcc 120

tgggtcagtg ggcatcactg acccgtgtga gagtggcaac ttcagggtac acacagttat 180

gaccctagaa caacaggata tggtctgcta cacagctcag actctggttc gaattctctc 240

ccatggaggc tttaggaaga tccttggcca ggaggggggat gccagctatc ttgcttctga 300

aatatctacc tgggatggag tgattgtgac accctcagaa aaggcttatg agaagccacc 360

tgagaagaag gagggggagg aagaggagga gaacacagaa gaaccacctc aaggagaaga 420

agaagaaagc atggagactc aggagtgacc ttcccttta 459

<210> 4816
<211> 424
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

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caacatgcca gccactttcg gccacctagc tggcggctat gatgctcagt actatggcta 120

cttatggagc gaagtgntac tcgatggaca tgttccacac acgcttcaag caagagggtg 180

tgcttagccc caaggttggc atggactaca ggaccagcat cctgaggcca gggggctctg 240

aggacgccag cgccatgctg aagcagttcc tgggccgcga ccccaagcag gacgccttcc 300

tcctgagcaa gggtctgcag gtggagggca gcgaggcgcc tgcgtgctga ccggtcccca 360

gctcgccgcc ctgtgcctta gcccagcctg ctgggcagct cagcaaccct tgggcgtaca 420

gatg 424

<210> 4817
<211> 74
<212> DNA
<213> Mus musculus

<400> 4817
tcggaaaatg gtaactgaag atgaagtcag acagacagag aacaccgaat ccacccagta 60

gtgttctaaa attt 74

<210> 4818
<211> 435
<212> DNA
<213> Mus musculus

<400> 4818
agcctggtca gagcaccgga agttcctgtg attgctgggg ccttctgcta tgatgtcact 60

ttggataaga gactggatga gtggatgcca acaaaagaga acctgcgttc tttcacaaaa 120

gatgcccatg ctttaatata tagggacctt ccctttgaaa ctctggacgt tgatgcaaga 180

gtggcgctgg aaatatttca acataacaag tacaaagtgg atttcataga ggagaaggca 240

tctcagaacc ccgagagaat agtcaagtta cacagaatcg gtgacttcat tgatgtaagt 300

gaaggccccc ttattccgag aacaagtgtt tgcttccagt atgaagtgtc agcggtccac 360

aatcttaacc ccagccagcc gaacctcatt cgcagatttc agggcctgtc tttacccacg 420

cacttgagag cacag 435

<210> 4819
<211> 391
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

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cgcggaggag gttggaagtc atgccctgaa ggggctgtgc cctctcctgc tggagaactc 120

agttcctgaa tcttgatcct gaattcttat tcaaagtttc ctccactggt cttcaagatc 180

cgcctctcac cagccaagaa tggttacaaa actcatgagt ctccttttct cttagagcat 240

gacctccaca cacactgggt cagntcacac aggggagcac ctcagctcac actggggagc 300

actcactccc ctggcactgt tattggctct gcacctcagg gattcccttc catgtttcca 360

cctcagggag ctatgtcagg gcctatctga a 391

<210> 4820
<211> 489
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<400> 4820
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aaacttgcat aaaaattatg caagtggttt ttataaantn ggaataatac ctcagttttg 120

aggttatgca cactaaatta aatatgtcat aaattaattt gtacaaaaag aactctttat 180

aaggtggctc attgtaggaa atcctgtgcc ttccccttg agcacaagtg ttgcatgaac 240

aacagtttgc tataagaaac ataccaggtt agccaccatt agcatctata tntactttgt 300

gtttaaaaat caactggtaa ttctgaaaca ctgtagaatg gataaaaatt attttgtgat 360

cataactctt tgttgaacta gagtattttt gcagcattcc ttgtcatcaa aaacatggtt 420

aaactttaaa actagaagca gcagaaaact agcttgtaaa atttattcaa gtagagtaca 480

ggctaggct 489

<210> 4821
<211> 548

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<400> 4821
caaacgcaag cagtggttca gtccaatgct gtgccacttt tcttgaggct tctgcattca 60

ccccatcaga atgtctgtga acaggcagta tgggcgttgg gaaacatcat aggtgatgga 120

cctcagtgta gagattatgt gataagtctt ggagttgtaa aacctctgct ttcattcata 180

agtccatcta ttcctataac attcttaaga aatgttacct gggttatggt caatttatgt 240

cgccacaaag acccaccacc accaatggag acaattcagg agattcttcc agctctttgt 300

gtattaattc atcacacaga tgtaaatatc ctggtagata ctntctgggc cctntcttac 360

cttacggatg ctgncaatga acagatacag atggtnatag actctggcat agttcctcac 420

ttggttccgc tactcagcca ccaggaagtt aaagttcaga ctgctgcact gcgagctgtg 480

ggcaacattg tcactggaac tgatgagcaa acacaagtag ttttaaactg tgatgctctc 540

tcacactt 548

<210> 4822
<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (493)..(493)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (496)..(496)
<223> n is a, c, g, or t

<400> 4822
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atccttaacc actgctgggt gcagcccaag gcacgaggtc tgtcctctgg agccatcaac 120

aaggaggggg aaagctcccg ggccactgag ccctcatgga tccctgaacc tggtgctgat 180

aagaagtctg ccaccaagtt ggagcctagg gaagaggcac gatctgaggc ccggtctgag 240

tcaaaacccc aggaagatac tttgcagntg ntcagncagt cagagaacgt gggcctcagc 300

agcgaantga acaggganac agaggaaggn nacccccaac ancttcaga gacacatact 360

tagtgannen tcttgcagcc caggggggca gcagggaatg aggcagagnt catggcttga 420

agcctgagcc tagaagtcaa gggacgagag agagaaggaa gacantcccg gatgagctat 480

tttngtcact ttnttntccc ccccttttgaa cttggtaact cacacggcta aa 532

<210> 4823
<211> 454
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<400> 4823
tggtgttctt gtaccacagt ttttaaccga aggaaccagt tggaacaatc tcaatttana 60

ctaaaacttg aagaactaaa ataacaatgc aaacctttag cattgttttg gccaaacttg 120

ttaaaactgt aatgcaagaa ccaaatgcac tgtgatgtgg caccaactaa ttangcaagc 180

atgaattttt cacctgagag tgaaaaaaga aaactctacc atggcttgaa gttacaggag 240

cagaactcct gactaccatt ctatgactga tgaagagact aatagctaaa acctcagcag 300

gccttgttca cgatatgcag aaaaagtgct gcagtttaga tacctctggn aacttttcca 360

cagtgtcaca ggtttgtaat acttgaagcc cttcatttct aagaatatat ttctcgctca 420

gttgtttcag gcaagcccaa gactttgtaa tttt 454

<210> 4824
<211> 486
<212> DNA
<213> Mus musculus

<400> 4824
ggaattctga ttcattgcca catagattat cagctgccaa aatggtatat tatttagatt 60

cttctagtca aaaacgagca atagagctgg cgacaacact tgatgggatc cctcaccaac 120

agaaaccttc agacttgcat ggaggtgttg ggaagccttg ttgtgatggt agcctaggag 180

actgtaaaga agctgccgaa gcctacagag caagttgtca taagcttttc ccttatgctt 240

tggctttcat gcctcctgga tacgaagagg atatgaagat cacagtgaac ggagatagtt 300

ctgcagaaac ggaagaactg gccaatgaaa tctgaacatc attaaacaag caaatggaat 360

gactttggac catatctagt gtataatatt tttgtcacgc acctgctgca ttgctcttac 420

ttacacagaa tgagaggagt aaatgttctt gccttcaaat agtcttacgt tttttatcct 480

gctgaa 486

<210> 4825
<211> 459
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (102)..(103)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<400> 4825
ggacacagca gacagattta ttaattccaa gtgtgcaaaa tacatgttaa aagccaacct 60

gattaaagag gctgaagaaa tgtgttccaa gtttacgagg gnnaaggaac ttcagcggta 120

gagaacctga atgaaatgca gtgtatgtgg ttccagacag agtgtgctca ggcatacaaa 180

gcaatgaaca aatttggtga agcacttaag aaatgtcatg aaattgagag acattttata 240

gaaatcaccg atgaccagtt tgactttcat acatactgta tgaggaagat cacccttaga 300

tcatatgtgg acttattaaa actagaagat gtacttcgac agcatccatt ttacttcaaa 360

gcagcgagna ttgctattga gatctatttg aagcttcatg acaaccctct gacagatgag 420

aacaaagaac acgaggctga tacagcaaac atgtctgac 459

<210> 4826
<211> 354
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (326)..(327)
<223> n is a, c, g, or t

<400> 4826
cctctgtgag aaaagcttta ttcagaggtc aaacttcaat agacatcaaa gggttcatac 60

gggtgagaaa ccttataaat gtacccactg tggcaagcag ttcagctgga gctccagcct 120

tgacaagcat cagagatcac acttggggaa gatgccctgc ccatagccac gtccccaggt 180

actacagtcc actgcaagcc tgctcacctc tgcctggaag agcttggacc agaaacgacc 240

tcctcctctc tgtgtgttgg agggagagga gctgggcact gttttgatgt ggaggggatg 300

ttgttctgag ttgagtctag tttttnnctt ttgcaccagg aaataaaaca gttt 354

<210> 4827
<211> 510
<212> DNA
<213> Mus musculus

<400> 4827
gggaatcatt accaagtagc ctgtcagaag tacttcgaga tgacacataa tgtggacgat 60

tgtggctttt ctttgaatca tccaaatcag ttctttttg agagccagcg catcctaact 120

ggtggcaaag atatcaagaa ggaaatcagt cagccagaaa cacctcagca caaacctagc 180

acccagaaga ccagggatgc tgcatctgcg ctggcctccc tagactcctc cctggaaatg 240

gacctggagg ggctggaaga gtacttttag taaatgatgt ggccactgta gtatctcctt 300

tcccccagcg aatacattcc tgtttgaaag gtttacaaag gcacacccat gcacacacac 360

acatttactg ggaagcaggc ttgcttccac cttacttttg acagaatggg aaaggaagca 420

ttcctattga aactgttaaa atcctcaagc agcaagacaa ttaaaactaa cttttaaagt 480

tttgtataat gttggccaag tcctcttttg 510

<210> 4828
<211> 204
<212> DNA
<213> Mus musculus

<400> 4828
tcatgacctg gagctactga gaaagcataa ggtgactcat attctcaatg ttgcatatgg 60

agttgaaaat gctttcctca gtgagtttac atataagacc atttctatac tggatgtgcc 120

tgaaaccaat atcctgtctt attttccaga atgttttgag tttattgagc aagcaaaact 180

gaaggatggc gtggttctcg tgca 204

<210> 4829
<211> 463
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<400> 4829
gaccatttct atactggatg tgcctgaaac caatatcctg tcttattttc cagaatgttt 60

tgagtttatt gagcaagcaa aactgaagga tggcgtggtt ctcgtgcact gtaatgcagg 120

tgtttccagg gctgctgcaa ttgtcattgg cttcctcatg agttctgaag aagccacttt 180

caccactgcc ctgtcgttgg tgaaagaggc gagaccatcc atatgtccga atcctggctt 240

catggaacaa ctccgcacct accaagtagg caaggagagc aatggaggtg acaaagtgcc 300

cgcggaggac acgaccggtg gtctgtgatc tgtactccag cagaggcaaa cgacttctgc 360

atcagactct gtcctcttgc ctgtgttttg gaaggaaact tggaaaactt ccctttctg 420

ttntctttta ccagtggaaa tgaacgttac ctttgtcgcc ctg 463

<210> 4830
<211> 441
<212> DNA
<213> Mus musculus

<400> 4830
gctccttgac aagtttctga accttgaatt gcattgtgag atggaaaacc cttctcatgg 60

gaacgggtat ggctaggact ttgtgacaga gctcttgcct agcatgtata aggtcctaag 120

ttccatcccc agcaccacag aacaggcaaa accagtgaat actgagtgct gtataaggta 180

cacagcccag agcttacaac atagagcaag gcttctaggg tgccaatggg gcccagcact 240

tactcatgct caccagctgg acggccatgg ctaaagccca gagtgaactt atttttccc 300

atcagcaagt cactgtacac caacagaggt agggacagca cccctgagac tacattgatc 360

cctaggaggt ccgggggtgc tcacacttga gagctttgta gtgtcatcgc agcagaggga 420

ctgtgtccaa gcaaaaattc a 441

<210> 4831
<211> 556
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<400> 4831

acaagagcct ctgtgtaatc cagggcttgg ctgacattta catcttctca gaggacacca 60

cgtacaagtg ggactcctgt gccgcccacg ccattctgag ggccatgggt gggggcattg 120

tagacatgaa agagtgctta gagagaagtc cagacacggg gttggatttg ccacagctgc 180

tgtatcatgt ggaaaataaa ggtgcttctg gggtggaact ctgggccaac aagggagggc 240

tgatagctta caggtccagg aatcggcntg gacaccttcc tganccncct natccaaaac 300

ctcgggccnt gtaaagacac aagcataaga ctctcatctc aggncccttc anccgaactg 360

catcttttcc tgttatctct tgaagatagt tttgtcccac tggttaaaat tcaccttcct 420

gttttgagga acattttctc attatgtgtt catgatgtga attttagtaa attagtggca 480

tttgtgtcac agttaagttg gtatatgaca tcgttatatg aacattgtgc tgttattgtt 540

gcttggaacc cttcaa 556

<210> 4832
<211> 474
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<400> 4832
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cctgccctca gtactgcgaa ccacaccaga gagctcggtt ttcctaggtg gaaactacca 120

agtcctgtta cacaagttaa tgccccatct tctaaatggg cacggtttct cctggcacct 180

ggaaatagtc ctcaagtgga tgagaaacca agtcctctgc aggaggccac catgctagct 240

gacctggcac aagggactgt tgagaacaag actccagtgg aaggccactt cagcagagcc 300

ccntgccatt agngcctcct caagccattc acactaccac cccacaactg gacagacctg 360

acaggaagac ccgagagcag ccaagggaca tggggactcc tcgagcagat ggtaggcctt 420

tggctcaagg gacccagaag gntccaccct tgcaactgca caacctcttt acaa 474

<210> 4833
<211> 274
<212> DNA
<213> Mus musculus

<400> 4833
aagttacatg aggtgatgcg ctacagactg agaaacctaa acctaaagtc catcagcaag 60

cgaaaacaac ccaaccaaag ctccttcctt taaaacaacc caaggactcg aggataaaaa 120

agacccgagc agccaagaag atccaggcct tgtggcgcgg attcctggtg aggcaaactc 180

tgctggctgc tgccctcaat gtctgggtga ttcagtgctg gtggagaagc atcctccaca 240

gacaggtact taaacggcgg ctggccctgc tgag 274

<210> 4834
<211> 561
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (379)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (478)..(478)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (482)..(482)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (485)..(485)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (497)..(497)
<223> n is a, c, g, or t

<400> 4834
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caccctatac caccttcgga cagagtccag atggctgctc taccgttatg tttcccaaga 120

ttatgggagg agcatctgcg aatgaaatgc tgttcagtgg gcggaagttg acggcacagg 180

aggcctgtgg caagggtctg gtctcccagg tgttttggcc aggaaccttc acacaggaag 240

tcatggttcg aatcaaggag ctggcttcat gtaacccagt tgtcctggag gaatccaaag 300

ccctggtgcg ctgcaatatg aagatggagc tagagcaggc caatgagaga gaatntgaag 360

tgctgaagaa gatntgggnn tccncccagg gcatggantc catgttaaag tacttacaga 420

ggaaaatcga tgagttntga tgggcaggct gagcaggaca tcggtggntc ccacttgnta 480

cntcntcctg cagtggntcg tgcttggagg cagaactgga aacatccgag ctatttattg 540

ccgcggagtt tttaagtact g 561

<210> 4835
<211> 438
<212> DNA
<213> Mus musculus

<400> 4835
gtcaccaagg cccaaaagaa ggatggcaag aagcgcaagc gcagccgcaa ggagagctac 60

tcggtgtacg tgtacaaggt cctgaagcaa gtgcaccccg acaccggcat ctcctccaag 120

gccatgggca tcatgaactc gttcgtgaac gacatcttcg agcgcatcgc gggagaggcg 180

tcccgcctgg cgcattacaa caagcgctcg accatcacgt cccgggagat ccagacggcc 240

gtgcgcctgc tgctgcccgg ggagctggcc aagcacgcgg tgtcggaggg caccaaggct 300

gtcaccaagt acaccagctc caaaatcctg tggaacaaat tctattatct tccttccttt 360

taaagttgag gaaattaaaa tgattgtacg gaagctgcaa cataaataga ggcttgtctt 420

gagtggagac cgaagtgt 438

<210> 4836
<211> 558
<212> DNA
<213> Mus musculus

<400> 4836
tcagagccca gacttcctgg atattaccaa ccctaaagcg gtattagaaa atgcattgag 60

aaacttcgcc tgtctgacga ctggagatgt gattgctatc aactacaatg agaagatcta 120

tgagctgcgg gtgatggaga ccaaacctga caaggctgta tccattattg aatgtgacat 180

gaatgtggat tttgatgctc ccttgggata caaagaacca gaaagaccag tgcagcatga 240

ggagtcaata gagggagaag ctgaccacag tggctatgcc ggagaggtgg gcttccgtgc 300

cttctctggt tctgggaata gactggatgg gaagaaaaaa ggggttgagc ccagtccctc 360

cccaatcaag cctggagaca tcagaagagg aattcctaat tacgaattta agcttggtaa 420

gatcactttc atcagaaatt cacgtccatt ggtcaaaaag gttgaagagg atgaagctgg 480

aggcagattc attgctttct ctggagaagg acagtcactg cgtaagaagg gaagaaagcc 540

ctaagtctaa aactgttg 558

<210> 4837
<211> 464
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<400> 4837
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ggagccggag gagaccagag gtttgggttt tgatgagatc cgacaacagc agcagaaaat 120

tattcaagaa caggacgcgg gtcttgatgc cctttcctct atcataagtc gccaaaaaca 180

aatgggccag gaaattggga acgaactgga tgaacagaat gagatcatcg atgaccttgc 240

caacctcgtt gagaacacag atgagaagct tcgaactgaa gccaggcgag tgaccctggt 300

ggacagaaag tcaacttcct gtgggatgat catggtgatt ttattgctgc tngtggctat 360

tgtggtngtt gcagtgtggc caaccaactg atagcaataa agggaccacc cgctgtgaca 420

cctgccaact acgaatgaaa gcccagcatc cttttggtac ataa 464

<210> 4838
<211> 462
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (93)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<400> 4838
agaagctgac caggccggca gcgtcccctg ctgtgggcga gaagctgaaa aagaccgagc 60

ctgccgctgg taaagagaca ggagctgcca aannnnccca agctgacccc acaggagagg 120

ctgaagcttc ggatgcagaa ggctctgaac cgccagttca aggcggataa gaaggcagct 180

caggagaaga tgatccagca ggagcatgag cgncaggagc gagaggatga actgcgagcc 240

atggcccgaa agatccgaat gaaggagcga gagcggagag agaaggagag agaagaatgg 300

gaacgccaat atanccncca ganccgntcg ccctccccac gctacagtcg agagtacagt 360

tcctcccgaa ggcgctcaag gtccaggtcc cgaagccccc attacagaca ttaggcagaa 420

aacggagttg gggctgttat gctgctgggt ttctgtagtg aa 462

<210> 4839
<211> 457
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<400> 4839
tgccagctga ggatggttcc ccaggcgcca gaggcgcccc agaggacact gaggaggagg 60

aggaggaagc gcctgtatct tctcactact ttgcaaatca aactagaaat gaaagaaaga 120

gaaagaaaat gtcagccacc cataagccca agaggagaag aactagttac ggtggcttca 180

gagcaaaggg gggctctact acatgcagaa aaacgacttc taaaagtaaa ttctatggtg 240

taactggatc ccgctcggcc tcatgtgctt ctcaggcaac atcatcagcc agtagaaaac 300

tggggattat ggctcctcca aagcctgtaa atagaacgtt cctcaggcct tcatatgcct 360

tctcctaaca gttctcctgc gcnatagatt cttgtttgtc agcatcntga ccatcctgtt 420

gaatagaaag ctgttagtct tgttacagca tttgaag 457

<210> 4840
<211> 378
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<400> 4840
gtgagcatct gtcatctcag atcgaggagt gcatcttcct ggacgtggga aatactgaca 60

tgaagtacaa gaancgggtg cggagccgaa tctctaacct gaaagatgcc aagaaccctg 120

gtctacggcg gaatgtgttg tgtggtgcca ttacacccca gcagatagct gtgatgacat 180

cagaggagat ggccagtgac gagctgaagg agattcgcaa ggccatgact aaggaggcca 240

tccgtgagca ccagatggcc cgtacaggtg gcacacagac tgacctgttc acctgcaaca 300

agtgcaggaa gaagaactgc acctacacgc aggtgcagac ccgtagctcc gatgagccca 360

tgactaccta tgttgtct 378

<210> 4841
<211> 344
<212> DNA
<213> Mus musculus

<400> 4841
aagggcaatg gctacagctg ccgtttccgt ctgtagagtt ccatccaggt tgttgagcac 60

atccacttgg aagctggcag acaaccagac tcgggacaca cagcttataa cagttgatga 120

gaaactggat atcacaactt taactggtgt tccagaagag cacatcaaaa ccagaaaggt 180

cagaatcttt gttcctgctc gcaataacat gcagtctgga gtaaataaca caaagaaatg 240

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cgctgacccc ctctccaaca tggttctgac cttcagtgcc aaag 344

<210> 4842
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<212> DNA
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<223> n is a, c, g, or t

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acagcaaaag atattgatgt tttgatagat tccttaccca gtgaagagtc tacagctgct 120

ttacaggctg ctagcttata taagctagaa gaagaaaatc acgaagctgc tacatgtctg 180

gaggatgtng tttatcgagg agacatgctt ctggagaaga tccaaagtgc acttgctgac 240

attgcacagt cacagctgaa gaccagaagt gttacccgta gtcactctct cccagactca 300

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<210> 4843
<211> 421
<212> DNA
<213> Mus musculus

<400> 4843
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ataactaggc agaagcagaa gtatctggac agccccgagc gcctcgtggg actgtgtggc 120

cgctggaaca aggcctcaga gaccctgcgg gagtacctga aggtggtgat ggccctcaat 180

tatgaggaga agccacccta tgccacgctg aggaacagcc tagaagctct gctgcaggat 240

atgcgggtgt caccctatga ccctctggac ctccagatgg tgccttagat ggaatccaga 300

gcttccgact tgcagcttga agtagaacat gaagtagtgt gactggaggc ctgtttgaac 360

tcatagctcc taaaagaatc ccttgaatgt gcattctcac cgctccctta ggacatatga 420

a 421

<210> 4844
<211> 194
<212> DNA
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tggggagttg tatgcctggg agctgtcaga gggtccatcc tgcccaccca tggaacaggc 120

tgcagatctt tttaatgagg actgggactt ggagctgaaa gcagaccaag gaaatcctta 180

cgatgctgat gaca 194

<210> 4845
<211> 254
<212> DNA
<213> Mus musculus

<400> 4845
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ttgtttcctg tgtttcaagt gagatactct gtccgttctc agcgactcct cagtgtgggc 180

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tgtgttggaa tttt 254

<210> 4846
<211> 432
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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atgatccgtc gcctggaggt ggaggccgag aaccactact ggctcagcat gccctacatg 180

acagcagagc aggagtgcgg ccacgccgcg gagcgacggg cccaggcttt tgaagccatc 240

aaggcagcgg ccacttccaa gttccctaag catagataca ttgcagacca gctagaccat 300

ntcaacatnt cgaagaaatg ntcctaaccc ttcaagatta tggataccgg actgctctnt 360

ccttacttgn tcctggagct gagaaaatgt aatttatgta ccagtgtgac cccttcgacc 420

agtatcttat ta 432

<210> 4847
<211> 495
<212> DNA
<213> Mus musculus

<400> 4847

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ctgccaagtc cttcccaggc cgtgtaagac gggctctggg tgggcagaaa gtgctcgccc 120

acactgatga tgatgtatca gaggtaaacc ctctttgtct tagcatcctt tctccagcag 180

gcttgtccgg atggaacacc gctgtctacc accactgtag tatttctgtg cctgcactta 240

gtctaaggaa ggaccacatc aaacgtcatt tgctgtaaac taaacaaggt cacgcactca 300

tttgagatgc atagcctgtg catttgaggt gtgggtgggt ctttctagta tttccttctc 360

ctcagtaaag aagggtaagg cagagaaccc ctaactgtcg tgttatctca gaattctcaa 420

tgcagacaat tgacaatgcg tgcctgtgta aatgtacgta aatgtacggc tgactgtgag 480

agcttcgttc ttggc 495

<210> 4848
<211> 562
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gacctggcac atccttgaga aaaacctgaa atctgcctcc aacattgacg atgtccttgg 120

ccaccacaca agcttccttg acaactgcct gaaggactgc atgctgacca accctgagct 180

gctgaaggtt ttctccaagc tcatgtccgt atgcgtcatg tttaccaact gtatgcagca 240

tcngtctnag catgtgnatg ctcctcanct gncctctggt ttcgagncca ccntcaacaa 300

ctttgacnaa aanttntntn cccatnttct tgatttnctg ncccgactaa gtntntacag 360

caccagtgac tncgaacatg gcatggccag tntnatntcc agactagatt tnnantggtt 420

tntatgctga acncctggaa cntctntntg cagaaaggan tcagaaggct ncccccccaag 480

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ctcacttgtt aaatatcatt at 562

<210> 4849
<211> 500
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acggaaaaca ttggactccc tctgatactg cttgaaaaac acaacccgtg gccagcctac 120

gtcgcttaca tctccccggc agtaacccga atcaccgaaa aaggctgggc cagggaccta 180

gagtacattt atgctgctga gaaaaacggc aagccagtaa agcgcngnaa acatagtgcc 240

gtgctgctga agaggaggaa gccgtccaag ccctcanaan ncntnnntnn aangagaccc 300

tntcagagac catgctaccc acgtgggaat gntccaccat atatgtgant cccacatttn 360

tcccagaacc tgcacaantc caaatggatn tcagagaggg gcccacatca aantacaaca 420

agatcatttt ntccaagagg cctgcgatga ggaaanttcc atttggctta ntacaggcca 480

gcaaggagat gcataccaaa 500

<210> 4850
<211> 491
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (435)..(435)
<223> n is a, c, g, or t

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<222> (443)..(443)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcagagtgag aaagtgactg ttctcacatg gctatttatt gatcatttgc atagcaattc 120

attctttccc cccaggaatg tcccccaggg cattggtcca gagccagaac ttcccnctgg 180

gctctgtact gaggtgtggg cctgtcttcc cttgctggct ctcacccctc tgtgctctgt 240

ctgtgccagg cctgcactga tccattttca ataaggtgtg gtgagatctt gccccttgaa 300

gtaaacacag actatgttta cttttcaggc tggtaaaagc actgcaccat ggtcctaaca 360

ctggctgcac agggcttggt aggcctgaga caggactgct gttgcttctt ccccacccac 420

acagagacaa gctanccctc tancctcctg ntcaccaggt atatgtaacg tgtactgtga 480

ctcggttgtg t   491

<210> 4851
<211> 570
<212> DNA
<213> Mus musculus

<400> 4851
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tgatgaatca gaagatgagg ccgaagaaga gatgagcgtg gaaatgggtg ccggagctga 120

ggaaatgggt gctggcgcta actgtgcctg tgttcctggc catcatttaa ggaagaatga 180

agtgaagtgt aggatgattt atttcttcca cgaccctaat ttcctggtgt ctataccagt 240

gaaccctaag gaacaaatgg agtgtaggtg tgaaaatgct gatgaagagg ttgcaatgga 300

agaggaagaa gaagaagagg aggaggagga ggaagaggaa atgggaaacc cggatggctt 360

ctcaccttag gcatgcagtt gcaaagccca gaagaaagaa atggacagcg gaagaagtgg 420

ttgttttttt ttccccttca ttaattttct agtttttagt aatccagaaa atttgatttt 480

gttctaaagt tcattatgca aagatgtcac caacagactt ctgactgcat ggtgaacttt 540

catatgatac ataggattac acttgtacct 570

<210> 4852
<211> 428
<212> DNA
<213> Mus musculus

<400> 4852
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catcgacagc tacagtagca gaggcttcac tatctgcgga aatcgcgtgt ttggcccttg 120

cgtgctgctc ccacagacgg tggtccagtg gaacgtggga tctcatcagg atatcactga 180

agagagcttc tccctttctt ggatgctgga acctaggata gagattgttg tggtgggcac 240

tggaaacaag actgagcggc tgcaccctca agtactacag gccatgaggc agcggggaat 300

tgctgtggag gtccaggaca cgcccaatgc ctgtgccact ttcaacttcc tgtgccacga 360

aggtcgagtg acaggagctg ccctcattcc ccctcctgga gagactgcac tggcttcttt 420

gggtcaag 428

<210> 4853
<211> 433
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttcctcgatg atcccaaata cagcaatgat gaggatctgc cgtccaaact tgaagccttc 120

aaggtgaagt acatggagtt tgatctgaat ggaaatggag atatcgatat tatgtccttg 180

aagcgaatgc tggagaaact tggggttccc aagacccacc tagagctgaa gagattaatt 240

agagaggtgt ccagtggctc cgaggagacg ttcagctant ctgactttnt cagaatgatg 300

ctgggcaaga gatntnccat cttngagaat gattntgatg tatgaggaga aaaacaaaga 360

acacaagagg ccaactgntc ccccagccaa gaaagctatn tccgagctgc cctgattgga 420

ggtggatgtc aca 433

<210> 4854
<211> 35
<212> DNA
<213> Mus musculus

<400> 4854
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<210> 4855
<211> 502
<212> DNA
<213> Mus musculus

<400> 4855
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tcccagggac attctgtcat tgcagtagct cagacctgtc ttttcttgca caccagctgt 120

gctcttgaga aaatgtaaag gctgccatta tggatattag gtatcccaac ataaccatct 180

ggagtgtgtc cagtttattt ttcataggac caatttttat ttgcagctta ggtttttata 240

tgaagttgca ttattgtgga cttggctgtc ttgtgatgta ttttttttca tatgtatcct 300

gtgccatact attgttaaaa tgaactgttg ctattgtgag atggatttcc tttcgaatgg 360

cactacctta gggacattct agtattgctt ctattgtttg ggcattgtgg ataatgtaca 420

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tgggatacag tctaactcat ct 502

<210> 4856
<211> 394
<212> DNA
<213> Mus musculus

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<222> (345)..(345)
<223> n is a, c, g, or t

<400> 4856
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ttctatgaag tctataaagg tgtagtgtct gagtataatg atatggtgac agagctgtgc 120

tccggccctt gcgtagcaat agagatccaa cagagcaacc ctacaaagac atttcgagaa 180

ttctgcggac ctgctgatcc tgaaatcgcc cggcatttac gacctgagac cctcagggca 240

atttttggta aaactaaggt tcaaaatgct gttcattgca cggatctgcc ggaggatggg 300

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gacacagact gagacgccca gacaatcgag tcac 394

<210> 4857
<211> 175
<212> DNA
<213> Mus musculus

<400> 4857
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agttagactg gaatttactg aaaccagaca tttatgccac aattatggac ttctttgcat 120

ctggcttacc cctagtgacc gaggagacgc ctccgcctcc gggagaagca ggctc 175

<210> 4858
<211> 337
<212> DNA

<213> Mus musculus

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<222> (260)..(260)
<223> n is a, c, g, or t

<220>
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<222> (289)..(289)
<223> n is a, c, g, or t

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gatctacagg ggctttgaag atggcatcgt gcggctgaag ctccagggct cctgcaccag 120

ctgccccagc tccatcatca ccctgaagag cgggattcag aacatgctgc agttttatat 180

tccagaagtg gaaggtgtgg agcaggtgat ggatgatgac gaatcagatg aaaaagaagc 240

aaattcatct taaataatcn gcattttctt tggccacaac cattggacnt atctttactg 300

atcctgtaat tatagtctct gctatggaag tttatta 337

<210> 4859
<211> 285
<212> DNA
<213> Mus musculus

<400> 4859
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ggtgagtaag aactatgaga ttgagcggac gattgtccag ctggagaacg agatctatca 120

gatcaagcag cagcacgggg aggccaacaa ggaaaacatc cgccaagact tctaatgact 180

caggcgacgt gggctccgca gactcagcgg ggactttctc ggagcgactg tggtggttac 240

atggttagag accatggact atgtaaactg ttgtattgct tctgt 285

<210> 4860
<211> 390
<212> DNA
<213> Mus musculus

<400> 4860
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aattagtcca atttctgtgg caaaacccac aactctatag cctgggtgag tgaacaagaa 120

aaagaggctt atcttgactc ctggttccgg tccaaggtca aagggcatct ggatatggcc 180

ctcttgttgc cagagtaccc aggtacgcat aggctagcat attacaaaac acgagaagcg 240

tttgttttca gagtctcttg cagcccacat tgaccttgaa cttattatgc ggtcccttct 300

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aaagtgtatg tcactcactt aggaggcgga 390

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<211> 512
<212> DNA
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<222> (321)..(321)
<223> n is a, c, g, or t

<220>
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<222> (443)..(443)
<223> n is a, c, g, or t

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tgaactggct aaacagtaag atgaatgcac agaataaatt aagtctcact caagatcccg 120

tggtaaaagt gtcagaaata gttacaaagt caataggaac tggataattt ctgtaacccc 180

atcgtttata agcccaaacc aaaagtagaa gctcctgaag acaaagcaaa aactggtagt 240

gagcacaatg gaccaatgga cggacagagt ggttcagaga ccagcccaga tccacccaaa 300

ggaagctcac agcacaccga ntccggagag atggaagtgg actaagtgtc atgttatcca 360

agcagtgggt taactaaagg gcccattcat cctttatgcc cggtacacac aacatatgtt 420

cagttgttct taactacttt tgntcatttg ttttttggag tagttttgaa aagtgtctat 480

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<210> 4862
<211> 455
<212> DNA
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<222> (73)..(73)
<223> n is a, c, g, or t

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<222> (92)..(92)
<223> n is a, c, g, or t

<220>
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<222> (339)..(339)
<223> n is a, c, g, or t

<400> 4862
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agggacagtg cantttgaca ttcagataac ancagcattg gctgcttttg ttggtagcat 120

ggattcatgt tttctcagag gaacttttca cttgaaactg ttgatctact tgtccaaaag 180

accagctgct gcgacactaa tgctaagcct atggggaagc actgttgacc tgctcaggtg 240

cacatctgtg atgccgacag acttggttca gtttttatag ttgtgttggt tttcttaatt 300

gatttttgtt aataatacct taatccaggg tagggagang ttgcacaatg cattgcatta 360

tatataccta tcactgattt aatgttccaa tgtagataga cactattaaa taagcagtaa 420

ttccttgaaa ggagtacctg taccaagtcc tagga 455

<210> 4863
<211> 468
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaagagtctc ccatccttca aatgcttcga gaacagcgtc agatgtacaa ctagtttgcc 120

tgcgttgcta ctggtacctt ggactctgaa ctcaggttac ccacctgagt cctcagtagg 180

cagtggaccc attgagaggc aaatgagaac aggagggaga caagctgtgt tctggggcgc 240

acataaacac ctgacagacg agtctaggaa accgcgtgaa agaagaaatg ttaaattctt 300

tattgtttta ttatatttat acggaaaatg tggctatcct tttgttaagt gcagagtgta 360

ttntctgttt gacccatgac tgtctntcct tcatgaatga gtctttncct gtgattctag 420

tcacgcctgt ggctactgat gggaacggcc gatctgtcat catgtgaa 468

<210> 4864
<211> 540
<212> DNA
<213> Mus musculus

<400> 4864
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ggaggacaca gaccaagcgc tctgcctacc gagttcttgg caaaccggag ccagtccctg 120

agcctgttgc agagaccttg ccaggagaac cagagacgct tcctcagggc cctgccaatg 180

cccacctgag ggacttggat gaggagatat ttgatgatga tgacttttac caccagctcc 240

ttcgagaact catagagcgg aaaaccagct ctttggatcc aaatgatcag gtggccatgg 300

gaaggcagtg gcttgcaatc cagaaactac gaagcaaaat ccgcaagaag gtagatagaa 360

aagccagcaa aggaaggaaa cttcggttcc atgtccttag caagctcctg agtttcatgg 420

cacctattga ccacaccgca atgagtgatg atgccaggac ggagttgttt cgatctcttt 480

tcggccagct caaccctcct gatgcagacc gtgggaagtg acagtagcat cctctcaggc 540

<210> 4865
<211> 276
<212> DNA
<213> Mus musculus

<400> 4865
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ggccaccagg tgtccctgct aagtggggaa ctcacagtgg agcagcgagc ttccatcatt 120

cagagattcc gagatggcaa agagaaggtt ctcataacga ccaatgtctg tgctcgaggg 180

attgatgtga agcaggtcac catcgtcgtg aactttgacc tccctgtaaa ccaatcagaa 240

gagccagact atgagaccta cctccaccgt ataggg 276

<210> 4866
<211> 456
<212> DNA
<213> Mus musculus

<220>

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<222> (342)..(342)
<223> n is a, c, g, or t

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taactgagtc aagaatcttt aatgaactga caactaagat ccgtgggata aaggaattca 120

aggagaagct cttgcttacc ttgggtgctt ttttagacaa tcattttcct ctgcctgaag 180

caagtactcc aaagaaaagg aaaaacattc aagactcgaa tgcacagctg ataacactga 240

atgaaatatt agagatgctt ataaatagaa tgtttgatgt tccacatgat ccatatgtta 300

aaattcgtga ttccttttgg ccaccatata ttgagctact tntgcgttac ggaattgctt 360

tgagacatcc agaagatcca tcccaaataa ggttagaagc tttccatcag taaaatgatg 420

acctgttttc acacagtacg gaatctttac acccat 456

<210> 4867
<211> 320
<212> DNA
<213> Mus musculus

<400> 4867
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agcagctgac ccgactcagc cttatggaag aagatgagga agaagagcta agacttctgg 120

atgaagaatg gcaacgtgga gacaagatgc ttcatagccc ttcttctccc agtgagcatg 180

ggttggacct attagataca acagagctga acatggagga tttctgatgg gactttaggc 240

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<210> 4868
<211> 511
<212> DNA
<213> Mus musculus

<220>
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<222> (40)..(40)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (392)..(392)
<223> n is a, c, g, or t

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<222> (394)..(394)
<223> n is a, c, g, or t

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<222> (397)..(397)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (466)..(466)
<223> n is a, c, g, or t

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<222> (481)..(481)
<223> n is a, c, g, or t

<400> 4868
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gaccatgctt ggggccatgc aggtttctca atacggcgac ctggccaact ggatggtgcc 120

aggcaagaag gtgaagggca tgggcggggc catggacttg gtgtctagta aaaagaccag 180

agttgtagtc accatggaac actgcaccaa gacaaagcag cccaaaatct tgaagaaatg 240

caccatgcca ttgaccggca agcgctgcgt ggacctcatc atcactgaga aggcagtgtt 300

tgaagtgaac cactcaaagg ggctgacnct ggtggagctg tgggagggnt cgtcggtaga 360

tgacatcaag gccaccacan cctgttnatt tncngtntcc cccaacctca agcccnatgc 420

agcagattan aacttgatgc ttgaggagcc ntccagggct natttnccag ttagtgacaa 480

ntggacatcc ttagcagcac ctgaccactg t 511

<210> 4869
<211> 400
<212> DNA
<213> Mus musculus

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<222> (201)..(201)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 4869
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aactgcctct taagtaagaa caactgaacc ctcaataaga aaagcctgaa agggaccaag 120

cagctcacta cactatcacg ttacactaag agttggaaca ctaacacctg taagaggtta 180

catagttttc agtgggggg ntgggatggg tgacgtcatt gttacaaaga gcantttctt 240

gatgcatttt atatgcatac cagcaattag cactgtgctt gggcagtgct cacttaactg 300

gtgctatgtg aagactctgc taatacaggt atctagaatg tgaactgagt ggatccaaaa 360

gcttcacaca gaggagagca agatctagtg cgcttttgtt 400

<210> 4870
<211> 555

<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gttaaagcag ttactggagg actccacctc agatgacgac gggagcagct ccagctcctc 120

gggggacaga gagaagcgca agaaaaggaa naaaaaanaa aagnacaaga aacgcaagaa 180

ggagaagaaa aagaagaaga aacggaagca caaggcttcc aagtccagtg agagctctga 240

ctcagagtga cagcaccacc cacaggccaa aggacagagc cgccgccgag agtgagagac 300

tggacatcta gcacagccct gggccctcac cgcctcctgg tgccaagtga ccactgcaga 360

gcaggtgggc tcctgcgaca cctgtgtcct ctaccttatg gtcaccgtgt ctgtgactgc 420

ttcagtaggc cgctgcagtg ggaggtgatg agaagaccct gaaggggcag acactctnag 480

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ggcttcaccc ttctt 555

<210> 4871
<211> 571
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (523)..(523)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 4871
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tggaaatcac ggttatctgc gctgcccctg gtgcggacgg ggcctggtgg agagcccaag 120

tagtggcttc ctatgaggag accaatgagg tggagattcg ctacgtggac tatggtggat 180

ataagagggt gaaagtcgac gtgctccggc aaattaggtc tgactttgtg accctgccat 240

tccaaggagc agaagtcctt ctggacagng tggttcctct gtcagatgat gatcattttt 300

caccggaggc agacgcagcc atgagtgaga tgacaggcaa tacagcantg ttnncccagg 360

tnacaagcta cagtgcgact ggccttcntc tgattcagct atggagtgtg gttggagatg 420

aagtggtgtt gataaaccgg tnnctnggtg gagcgagncc ttgcacagtg ggtagacagc 480

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gagtgggttt ggcacccagg acagagtttt a 571

<210> 4872
<211> 407
<212> DNA
<213> Mus musculus

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<222> (44)..(44)
<223> n is a, c, g, or t

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<222> (254)..(254)
<223> n is a, c, g, or t

<400> 4872
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gggactggag ctgccgctgc cacccctcct gctcactgct ctcgcacctt catcacgttc 120

agtgatgatg caacgtttga agagtggttc ccccaggggc gacccccgaa ggtcccggtg 180

cgggaggtct gcccagtgac ccaccgtcca gctttgtacc gggaccctgt tacagacata 240

ccctatgcca ctgnctagag ccttcaagat catccgtgag gcgtacaaga agtacatcac 300

tgcccacgga cttccaccca ccgcctcggc gctgggcccc gggcccccac cccccgagcc 360

actacctggc tctgggcctc gagccttgcg tcagaagatt gtcatca 407

<210> 4873
<211> 374
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (274)..(274)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaggcgaaga agacggaaag tgacccgctc ccagagagct gagcttcaat ttcctgttag 120

ccgtgtggat cgtttcctac gagagggaaa ctattctaga cgcctgagct cttctgctcc 180

tgtattcctc gcgggtgtgc nncgagtact taanatctaa catccttgaa ctggctggtg 240

aggtggccca caccactggc aggaagcgca tagntccaga gcatgtgtnc cgtgtggtac 300

agaacaacga acagntccac caantnttca aacaaggtgg nanatcagtg tttgagccac 360

cagaacctga tgac 374

<210> 4874
<211> 193
<212> DNA
<213> Mus musculus

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taagaagagc tgtgaagatc tgtgagccca tccatcctct ttattcactg actctgagag 120

tcacactttc tcgtgcacat ccgccgccag cacaagattg agtaggggag ggctgtggat 180

tctgtgaaca gca 193

<210> 4875
<211> 552
<212> DNA
<213> Mus musculus

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<222> (332)..(332)
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<223> n is a, c, g, or t

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<222> (344)..(344)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 4875
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ttgctgtcaa tgtttagaaa gcaaccatga ttactaatga catcctctag gtctgacctg 120

ccagggtcct gactcttctg tcacagccca ttctgcactc cacctgaaac atcaggcact 180

aattgaagaa tttattatct ctagaaagag aaacggtaac tttgtcgttt agaatgtaac 240

tctttctgac ctgcccaacc taccatctgt gagctgggaa gaacgcagtt gagtcaccac 300

ttaagagttt actccctaac aantttncac tnccatcttn attntntngg aaatntntnt 360

ccaggcagcn ntnggtagag taacagctnt gtggtttcct gtgagttacc ttatagttac 420

tgtgtaagta gtgccactta gtgtatgtca ccagaatgaa gaagatntac cccagactag 480

atgtagcatt tttggtatat ttgtattntn tgatactgat atttntcatt ctcacagcaa 540

gcatactggt tg 552

<210> 4876
<211> 479
<212> DNA
<213> Mus musculus

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<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (400)..(400)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aactcgaaca caccagttga tgatttccat actaacgatg tctgcagctt tcccaacgct 180

ctggtcacaa agctcctgct ggactgtggc gctgaggtaa atgcagtgga caatgagggg 240

aacagtgccc tccacattat cgtccagtac aacaggnccc atcagtgatt ttntngacct 300

tgcactccat catcatcanc cttgtggagg ctggagctca caccgacatg acaaacaagc 360

agaataaaan tccgntagac aaaagtacaa ctggggtgtn tgaaatacta cttaaaantc 420

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<210> 4877
<211> 524
<212> DNA
<213> Mus musculus

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<222> (77)..(78)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agcctgagcc tgcgaannaa gcccttaaga agtcaaagct gccactcggt cgttttgact 120

cactggagga ttcacccgaa gagagagagc cactgcagaa gtttccggat gatgtaaatc 180

cagttaccaa agaaaaaggt ggacccaagg gcccggagcc tacacgatat ggagactggg 240

aacggaaggg acgctgcatt gacttttaag tcacgcactc tcacaactgc agaatcatta 300

cctgaactgt ttacttcaag ttgttttctt tttctgtgtc ctttaagtgt gtaatttcca 360

tcgtatgtcc taaaatgcat gtgacagctt tgaatagcaa atgctgctat agatgaggaa 420

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gatgagagca tcaagtcttt gccacgatct ttttgtcatt tatt 524

<210> 4878
<211> 456
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (340)..(340)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (431)..(431)
<223> n is a, c, g, or t

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cccccagttc cagatctgca tgtttgaccc aaaacagtat cccaatcatc tgggtgctgg 120

aggtggcttt ggtcccgtgg cggatgatgg ctacggggtc tcttacatga tcgcaggaga 180

aaacaccatg ttcttccaca tctccagcaa atactcaagt tcagagacga acgcccagcg 240

ctttgggaac cacatccgcc aagcactgtt ggacatcgcc gaacttttcn aaatttccaa 300

gacagacagc tgaggaaaan gagatacccc anctnccctn tngtnccnca cnntggnggn 360

aagaagaggc cntgtggcca gctcacaggc ataaggggtg gcgtncacac acncccantt 420

cggagaacag ntcttgaggc agtgctcccc ggagga 456

<210> 4879
<211> 479
<212> DNA
<213> Mus musculus

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aatccagcgg aaagtgagaa tgctattagg gcaacagaaa gcaaatgctg aaccgagtgc 120

tgaattggat aaaaagagaa ctgagtatct tcctgcacat gaagacagaa cttgtgggtc 180

accagtacag tctctattgg acctttttca gacaagcgag gagaaatcag aatttttggg 240

ttttacaggc tacactgaaa acagtggaat atgtgatgtt ttagatattt gggaggaaga 300

aaattcaagt accctgttgt caacgttttt ttcttcccct tcaacttctg cattcgttgg 360

attttagtat taaatgtgct tttcagaagt gacagctata ttcctgaagt ttttataaat 420

acatatataa ttagtggtgg gggtttgttt tgttttcgcc aacttttta tggagccat 479

<210> 4880
<211> 546
<212> DNA
<213> Mus musculus

<400> 4880
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ttgtgcagtt tgggatgagt gagaagctgg gccaggtgtc ctttgacttc cccagacaag 120

gcgaaaccat ggtggagaag ccatacagtg aggctactgc ccagctcatt gatgaagagg 180

tccggtgcct cgtcaggtct gcctataatc ggaccctgga gctgctcaca cagtgccggg 240

agcaggtgga gaaggttggc aggcgtctcc tggagaaaga agtgctggag aaagccgaca 300

tgatagagct cttgggccct cggccctttg cagagaagtc cacctatgag gaatttgtag 360

agggcaccgg cagcctagag gaggacacat cccttcctga ggggctgaaa gactggaata 420

aggggcggga ggaaggaggc actgagcggg gcttgcagga gagccctgtg tagcctgtgg 480

ccaccggggc ggcttatgac cactgctgac tgggagctgc tcagccatcg cagagcagct 540

gtcaga 546

<210> 4881
<211> 542
<212> DNA
<213> Mus musculus

<400> 4881
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ctgggtcatt tttataatct gctataattt ttgaaacaac ttcatgtttt atacatataa 120

agctgtattt tcagagctta ccttatacaa taatgaaaaa tacaactttt atgtaaagtt 180

gtctaaatgt aatatatctc acattaagtc cacataactt ttgtaagccc gttcgccttg 240

ctgtaactag ctgtcgtctt ctgacgtgac tctcctttaa agcagtacta tgctgacatg 300

ggctctcctt tccaaatggg tgacatttta agctgagcaa tgtagatgac ttctagtgag 360

aagagttgct gttataattc agataaaaca gtcctcagca ccaagtgtgt cagcaaggaa 420

tggcctgcat attctaagta aatcacgaca gcagcctcct gaggccgcag cctgactttg 480

acgttcaggc aaacagagga gctggtgtat ttgtatgagt caaggtttat cgtcaactct 540

ag 542

<210> 4882
<211> 514
<212> DNA
<213> Mus musculus

<400> 4882
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ctgagagaag ccacttggct agtcagggtg tgcacacatg ggactgctac acattcctgt 120

ccccatgcag tcttagccat caggttgaaa ccagtagtgg agtgtaggct gggtcagacc 180

cacaggctca ttctggccgg gagatgctgt cctgtgatgg agtctataag ccctactgga 240

attccagatt gtatctagaa ctgtgcttgt tgagggaccc tgggccttgg ctgtaacctg 300

gcctttaggt gtttagttct ttttaaatca gaaagtgctc agaggtctat gctgcctctg 360

agaggtatat gccaaaaaga ttataaagga agggccaagc tctgtctttt tgagttctca 420

tggccttgtt gggagaagaa acagaagtcc tggagacatt gaaagtgtat taaccagcat 480

gaaagatgtg tttcgtggag gtcagtcggt tatt 514

<210> 4883
<211> 507
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (303)..(303)
<223> n is a, c, g, or t

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<222> (330)..(330)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (475)..(475)
<223> n is a, c, g, or t

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agagagaagg agtccaaaaa aggaaaagga aagaattgga agaaatgaaa tcactgttta 120

gtaccaataa ctgctgttaa cttaccctct cggccagtcc agctggccta gagcctgaga 180

gcctcaccct ttgccagagt aacaagtttg gtgtagcaca gcggggtggc ctggtggtcc 240

cattatanan aggacggtac agctagaagg tctaactagc cagctctcct gcacctctta 300

tangaggtgg gtaggactgt tccagccctn gcagtgtccc tgcctaactg ttagattgct 360

gggcttcaaa gtgactgtgt agaatcaaaa ctagaaagta cacaggcatg gagtcagagt 420

ttagttaacc atagcaagac gggacgcagt gggcatnttt tgtagcttaa gtttntccta 480

atggccttta gaggaacaat gctcaat 507

<210> 4884
<211> 573
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (471)..(471)
<223> n is a, c, g, or t

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<222> (480)..(480)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (548)..(548)
<223> n is a, c, g, or t

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gccaaagtga ctggagccgg ttcgagatgg aggagcaaag tcctatgaca cagttctttc 120

cccactactc acgcaagggc aaagcnttca accctcaccc ttcttcctcc gcctggagaa 180

gattcacaaa cccagtccct gcaggcgtct ctcagaagaa aggaacacac acttgggagc 240

ctcagtcact gcccgactat cagtttgaaa agacggagtt gcttcctaag gcaagagtgt 300

tttcatacca cagtggcaag ccctatgtta agagcgtaca acttcagaag aaaagcacga 360

acaaaatgaa taccttcaga agtttatttt gggggaatca ttcccaaagg aaacgcagag 420

gctttgcaga taagtgctgt gtgataggat gcaccaaaga agagatgncc ntcgcgtgcn 480

tccccttttgt tgatttttaa accttaacga ttaatcaaac atcactggtg atagagatgt 540

acaaactntc gtaggaacta tgctcgctta ata 573

<210> 4885
<211> 299
<212> DNA
<213> Mus musculus

<400> 4885
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aaggcagact ccagaatgga gaagatgacc gagaggctgg aggccctcat tgacccttttt 120

gacctggatg tcttcacacc gcatctcaac agcaacctca accgcctggt gcagcggact 180

tcagttctat ttggcttggt tacaggcaca gagaatcagt ttgcctcccg gagcagcact 240

ttcaactccc aggagcccca taacatactg ccgctggcct ccagtcagat caggtttgg 299

<210> 4886
<211> 584
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (469)..(469)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtnctcttca tggccagact cntgccagtc tctgggagag ctgtgccctc acctaaagca 120

gtgcattgtg ggacagtgcg ggggttctga gaaacctgcc agggaggcga gggctctgaa 180

aaagcagggg aaggggagag ctcaggatgt cctccccgcg caggcccagt ggcagggagt 240

gaaggaagtc ctgctccaac agagcgtcat ggcctaccgg nnntnnnncn cnnnncnnnn 300

nnantttctg atttgtggat tcactcnatc actgcttctc agggatgccg gctcantcct 360

ggccactgcc accaatnggg atgaactaga aattcaagag gagacagant ntggcagcag 420

tgtcacgtct aagatccncc tccctactca nccctcctgg tatgtacant ccttcctgtt 480

tagcttatgc caggaagtta atcgggttgg agnccatgct ttgccaaagg tcaccctaca 540

ggagatgctg aagacctgca tggcccaagt catagctgcc tatg 584

<210> 4887
<211> 504
<212> DNA
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<223> n is a, c, g, or t

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<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccaaagccct gtccctgtcc tccccccctgt ccctgtccct gtccagccac ctgtccttgt 120

ccgctgaaac caccatgctg cccacagaag tgttcgtgct gccccaaaaa gtgcacctgc 180

tgcccacagc cacctccttg ctgcgctcaa cctacctgct gctcttcaga gaacaagact 240

gagtcagatt ctgatacatc tggccaaact ctggagaagg gctctcaatc accacantcc 300

ccaccaggtg ctcaaggcaa ctggaaccag aagaagtcaa acaaatagac tgtccctgac 360

accatgccct ttttcaaagg gtataggatt actacaggtc aggctaagac tatgttgtaa 420

agatgctgtt ttcacaataa ccaacaantc cantcaacca taagctacca tttcgaccta 480

actgtaggct actattgcaa ctgg 504

<210> 4888
<211> 318
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<400> 4888
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caagaacctg ctgctggagc ggaagctgca ggccctgaac gctgctgtgg agaagagaga 120

ggttcagttc aatgaggtgc tggccgcctc caacctggac cccacagcat taacgcttgt 180

gtcccgcaaa cttgaggatg ttctagaatc gaagaatacc accatcaagg acttacagta 240

tgagctggcc cgggtctgca naggcccaca atgacctgct gcngtacata tgaggcgaag 300

ttactggcct tcgggatc 318

<210> 4889
<211> 426
<212> DNA
<213> Mus musculus

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<220>
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<222> (211)..(211)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (247)..(249)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgtcctcag gctgggtagt cttaatgaca gaggcactgg ggatacacgc attatgtaca 120

gattgttatt tgtagggata gattctatgg ctaaaataat tttgcaactc ttcattatac 180

agttttaagg cctcttttgg tattccatgg natagttcca acaggaaagt naatggtgaa 240

agcantnnna annnnntnnn ccttactata tgtgctattg aaggggatgg ggacttttgc 300

atacgncnga aaatcagtta tttttaacta tgcagttcct aattgcctag cttttacctt 360

tagaaatatg cttcatggta aatttgataa tcctaaagaa tggccaactt tggcagtagt 420

caacaa 426

<210> 4890
<211> 262
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (57)..(60)
<223> n is a, c, g, or t

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<222> (62)..(66)
<223> n is a, c, g, or t

<400> 4890

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gnnnnnggcc gttcgtctgt ttgcgctttc gtgatgtccg gtcgtggcaa gcaaggaggc 120

aaggcccgcg ccaaggccaa gtcgcggtct tcccgggccg ggctacagtt cccggtgggg 180

cgtgtgcacc ggctgctgcg caagggcaac tacgcggagc gtgtgggctg ccggcgcgcc 240

ggtatacatg gcggcggtgc tg 262

<210> 4891
<211> 553
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (327)..(327)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (376)..(376)
<223> n is a, c, g, or t

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<222> (395)..(395)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (464)..(464)
<223> n is a, c, g, or t

<400> 4891
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tcaccaggca taagctcctg tgaatacacc ttaaacacgc tgagatacgc agacagagtc 120

aaggagctaa gcccccacag cggacccagt ggagagcagc cggttcagat ggaaacagaa 180

gtgatggaag ccagctctaa tgggacgtct ctgactggca atgaagagga ggagctgtct 240

tcccagatgt ccagctttaa tgaagccatg actcagatca gggagctgga agagagggcc 300

ctggnaagag ctcagagaga tcatacngca aggaccnaac tggcttgagn tntccgagat 360

gacagatnan ccagantatg acttggagac ctttntgaac aaagcagaat ntgccctgac 420

acagcaggct aagcaggcga agcanttntc agcccttnga gaantcatca aggccctgcg 480

cctagccatg caactggaag aacaggctag caaacaaata aacagcaaga aacggcacca 540

atgatgactt caa 553

<210> 4892
<211> 246
<212> DNA
<213> Mus musculus

<400> 4892
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gtcaacattg agtgtatatc tgatttcaca gaggcacctg tcctcaacat ccagttcagg 120

tatggtggga ccttccagaa tgtgtctgtt aagcttccca tcactctcaa caaatttttc 180

cagcccacag aaatggcttc tcaggatttc tttcaacgtt ggaagcagtt gagcaatcca 240

cagcaa 246

<210> 4893
<211> 424
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<400> 4893
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tgcaacagga tgccgttgac tgtgccacac aggccatgga gaagtacaac atagagaagg 120

acattgctgc ctatatcaag aaggaatttg acaagaaata taaccctacc tggcattgta 180

tcgtgggccg gaattttggc agctangtca cacacgagac aaagcacttc atctattttt 240

acttgggtca agttgcaatc ctcntnttca agtcgggcta ggtggccgag gcgaaggtnt 300

ccgtggcggc ggcagcgatg gcaagcaggc ggcgttgctg ggactgttgc actggggcca 360

gcatcaggaa ntcctctcca atggctgtgc tactgcatgg actgtgtact cgatttcatg 420

tgtg 424

<210> 4894
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<400> 4894
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ggggaggagc aggtgaagat ctggaggcgt tcctttgaca ccccaccacc acccatggat 120

gagaaacaca actactacac ctccatcagc aaggaccgcc gctatgcagg cttgaagcct 180

gaggagctgc ctacctgtga aagtctcaag gacaccattg cccgggcctt ngcccttctg 240

gaatgaggag atcgcaccta agattaaggc tggccagaga gtgcttattg cagcccatgg 300

gaacagcctt cggggcattg tgaaacatct ggaagggatg tccgaccagg ccatcatgga 360

gctgaacctg cccactggaa tccccattgt gtatgagctg gaccagaacc tgaagcccac 420

caagcccatg aggttcctgg gagacgaaga gacggttcgg aaggccatgg aagctgttgc 480

t 481

<210> 4895
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (411)..(413)
<223> n is a, c, g, or t

<220>
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<222> (438)..(438)
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<400> 4895

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aattgggcta aaatactatc ccattataag ttcaacaacc gaacaagtgt catgttaaaa 180

gatagatgga gaacaatgaa gagactgaaa ctgattagct gagacactgg aggctggatg 240

ggtttgattc agcttaatac aaggataaat acttggatca ctacactttg tttacaattt 300

cctggtcagt aatgataaag cattatggtg gtggtggggc agtgaggagg gggaagagaa 360

agagagtttt tgtttttttg gttttgttt gtttgtttgt ttgtttgttt nnntttagag 420

gagatttgtg ctttaaantc tatntcatca ttatttttctg aatctttatt tttgtaaaat 480

atagatatgt tgaaccctac caaattc 507

<210> 4896
<211> 163
<212> DNA
<213> Mus musculus

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cccctcagaa catgcctgaa ggctctggtg tcctcctctt tattttccat gcaaactttt 120

tgggcaaaga cgttattgct cggctttgtg gaccatgcag tgt 163

<210> 4897
<211> 437
<212> DNA
<213> Mus musculus

<400> 4897
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tgtacaagct gtggttttaa atgataaatt tcaacttcct gtttttctgg acagtcactt 120

tgtttattca ttcagtcctg ttgctggccc caataagttg tttataaggt tgacggaagc 180

acccttttgcc aaggttaagt tgctaatagg tgcatacaga gtacagctgc agtgaccaca 240

aaggatggag aaccggcctc ttttcagctg gattccaagg accatccctg tagcagtttg 300

gaattctggt gcagctcaaa tgttcctacc tagttgtaaa cttaaaattt aagcctgctg 360

cctgttcagg tttgtctaca tatatttgtg ccattggtcg aaaacgttca atgttctgct 420

tagtttattt ccacaat 437

<210> 4898
<211> 386

<212> DNA
<213> Mus musculus

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agtacagcca gaccatttct attagggaca gcctcaacct cgagccagag gagatccagc 120

agcaagcacg tcgagagctt gaactgtgcc atggcaggtc cttggagcat ggggaggacc 180

acgaagaatc tgagacctcc ttagcatcgt ctacttcaga atcactaata ttcagcctat 240

ggaagccaca tcgaacctac tggacagagc agcagaacag gctgcctctg cctctgatgg 300

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cgattggcag gaaccacttc atgact 386

<210> 4899
<211> 253
<212> DNA
<213> Mus musculus

<400> 4899
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tcccagtgtc cttatttgtt gcccaaaagc agggaagaag ctgtgtccaa atgggttcta 120

aatcctacag gctggtcggc ttgaggcagt gaatcattac agactcccta gtctccttca 180

ggagagtggc atgtcttcat tattctgtag cgtattctta tatctacata tgcaaagctt 240

tccttcacag taa 253

<210> 4900
<211> 451
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cctattttca taaatgcaga tttataagtt taaaatgatg catttttccc acactatgga 120

atatgttaaa ccctcctctt tgatgttagt ggggaaggct ttatgtagtg ggtctcactc 180

tagtgtgtaa cagagaagcc acgtctgcag acaagctctg agcagctgct gtcaggagtt 240

ttacaggtgc cttctcagag aaaaattgga tttgaccatt ttttttccct aaaattttat 300

aattgaattt ctaaaagcct ncctcatttt ataccatttc tataaaatat gccctgcaaa 360

gcnaaacctg ggtacctagc agctgatatt ttacaactaa catggggtat ttgagtctag 420

aaatataaag ggtctatctc ctcacatttt g 451

<210> 4901
<211> 568
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtgcagactg tccttacctg tttccaggac aaactccatg acatcatcat catagaccac 120

agatatcccc gacagatgga tgcagagaca ttgtgcaggt ctatcagatc atcaaaattc 180

tcagaaaaca cagttattgt tggcgtagta cgcagggtgg acaaagaaga atcatcttta 240

atgcccttcc ttgctgctgg cttcacacgg aggtnnatag agaaccccaa cgtcatnncc 300

tgttataatg aactgctcca gttgncatgt ggagaggtgc natcacanct gaaactcagg 360

gcttgtnact cantnttcac tgcattagag aaaantcaag aancaattga aattacaagt 420

gaagaccaca ttatacanta tncaaaccct gcatttgaat caacaatggn ttatcantca 480

ggagaattaa tagggaagga gttagcacaa gtgcccataa atgaaaagaa aggtgatttg 540

ctcgatgcca taaattcgtg tgtcacag 568

<210> 4902
<211> 520
<212> DNA

<213> Mus musculus

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<222> (292)..(292)
<223> n is a, c, g, or t

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<222> (299)..(299)
<223> n is a, c, g, or t

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<222> (311)..(311)
<223> n is a, c, g, or t

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<222> (322)..(322)
<223> n is a, c, g, or t

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<222> (382)..(382)
<223> n is a, c, g, or t

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<222> (384)..(384)
<223> n is a, c, g, or t

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<222> (441)..(441)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 4902
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aagtaacagc ctttatgtga acggtttgca aagtcacaga acagaacagc acttggtgcc 120

ttggagctca acatggggta ggggggttag cactactcca gtgggatatg tgtctgccct 180

ggttggttct atggagacca gctgtcggag gacatgactt ttcctgacat tgtagcattg 240

tagccgatga gtagcactgt ggctgctgtg cccgtgactc ccagtgccct tngtctgcna 300

gaggttacct nactgttctt tnaccgtggc tttgttcttg accttcattc cctcctggat 360

tcctgtggct gtgctaccac antnttcatt ccagtggtgg acagctgcta caccaagaga 420

cttttnccga acctctgaga nccagagggg tttgggcaat gttgctttgt gtttctgtat 480

ctgtccnaac actaaggatg gccattgcag acagctctag 520

<210> 4903
<211> 486
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (342)..(342)
<223> n is a, c, g, or t

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<222> (352)..(352)
<223> n is a, c, g, or t

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<222> (358)..(358)
<223> n is a, c, g, or t

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<222> (400)..(400)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttcccaggga tcattgatgc cggcgacctc aatgtgcttg aagaagtgga cagcgtatcg 120

aatgaagatt caactgcaaa tagcagcgac aacgaggacc atcaaataaa tgccccagaa 180

gaggatcccc taaattctgg cgatgatgtc agtgagcagg atgtgccaga cctgtttgat 240

acagagaatg taattgtctg tcagtatgat aagatccacc ggancaagaa cagatggaaa 300

ttntacttga aagatgntnt catgtgcttt ggagggagag antacgtatt tnccaaancc 360

attggtgaag ctgagtggta acctcccgag gctcggtgcn tccntcagcg ctgtgagcct 420

gtgtgggact ggctactgta ttgtatgtgt ggcccacatt cttattttac atgtgctcca 480

tcaaag 486

<210> 4904
<211> 472
<212> DNA
<213> Mus musculus

<400> 4904
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tgtgcacctc acttctagac tccccaggag gaaacacagt tgcgaaactg cctggaggcc 120

tcttgcaggg acatgagaac actctgttag cacaagccct ggggaccctg tggctcatac 180

tagcaatagt cacagtgtca ccccaacaag cagaaaccag gcatggtgac catgctccaa 240

ggaaggctcc acacttgccc ttaaaattct ggatctgcaa aaaggcaggg tggccccacc 300

ctgaccccgc tgagggtaca gagccacgag gatgagcaga gtgggtcctg caattagggc 360

gcaggcacca atgcatgggg cttgcatgat cactccaagt tgacatttta aatcttgccg 420

tacttcagta attcacttat ttccaatatt tgtcgtcagc tttgttaatg gc 472

<210> 4905
<211> 527
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (460)..(460)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (501)..(501)
<223> n is a, c, g, or t

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angaagaaag ggaaanatct ggagaaagtt catgccgaag aaagggaact gtggaagaca 120

gaacatgcaa gagatcagga gagggtggca gaggccatcc aggccgctgt gcaggagcag 180

cagaggatga gtcaggaagc tgtcaaggcc gcaatcgtag aggagcagag gagaagtgaa 240

aaggccatgg aggaagccgt aaagagaacn agggacgagc tggtgganta cgtgagggag 300

cagagaaggc tcgatcaagt cacccgccag cgtagcctnt ccagcctgga gctgttccnt 360

ctcctgcgcc cagaagcagc tgagtgctnt aatagctaca gagcctgttg acattgagta 420

gagacacagc anatccatcg ntcntcaagc ctgcccantn tgaagctgtt tttntcctgc 480

gcccagaagc agcgagtgct ntaatggccg tagagcctgg tggcatt 527

<210> 4906
<211> 516
<212> DNA
<213> Mus musculus

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<222> (339)..(339)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (353)..(354)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 4906
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aagattctga gaaggaagag gaagaggagg aaggtggcat tgatgaagct gtcattcttg 120

atgatacaaa gatggacact ggagaagttt ctgatattgg gagtcaaggt gcccctatag 180

tgctatcaga tagtgaagaa gaagaaatga ttattttgga gccagagaag aacccaaaga 240

aaataagagc tcagaccagt gcaaaccaga aggcaccaag taaaggccaa gggaaaagga 300

agaagaagaa gagaactgct aactaagcta aagtggtgna tctctgtgtg tgnntnnnnn 360

nnnnnnnnng tgtgtataca tactcagtgc taacagctct gggtatctta caagctgaac 420

ttcttgatac actgtttgtc tttaacatta tgctttgaat aaactttctg gaaaactttt 480

ctgttgcaca agcttcccaa ctcatgtaag acctta 516

<210> 4907
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcacaagcca agctgctgga gtgctggctc agagctccac ctctgaagag cctgatgaga 120

acccatcctc ggtcacatct tgccaggcta gtctatggat gggcagggtg aagcagctga 180

ctgatgagga ggagtgttgt atctgcatgg acgggcgagc tgacctcatc ctgccctgtg 240

ctcacagctt ctgtcagaag tgcattgata aatggagtga tcgacacagg aactgcccca 300

tttgtcgcct acagatgact ggagcaaatg aatcatgggt ggtgtcagat gcacccactg 360

aagatgacat ggctnaacta tattcttaac atgnctgatg aggcaggcca gccccacagg 420

ccatgacttg gggaagactt tctgttgtta ttntgaacta caaatacact gttntcgtag 480

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ttgctattct ggtatgtccc gttcttaaat 570

<210> 4908
<211> 538
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (387)..(387)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcaaaagact cagagacact tgaagaaaat tgccccaaag ccctgacttt aaggattcat 120

gattctttga ataatactct gtcagttggc ctcattccaa ccaattcaac aaatactatc 180

atggaccaaa aaaacttaaa gatgtcaact ccaggtcann aatgaaagct caagaagttg 240

aaagaacccc tccagccaat tttaaaagga cattagaaga atccaactct ggccccctta 300

tgaagaagca ccgacgaaat ggcttaagtc gaagtagcgg ggcccaggct tccagtctcc 360

ctacagcatc ccagcgcagg cantctntca aactgaccct gaggcgcaga ctcaggggcc 420

agaggaagat gggaantcnt nttntccacc agcaccggaa aacagtgtgt gtgtgctgag 480

atgggcctgg gaagtggggg tntccctacc tacgactgag ggctttttaa acttggtg 538

<210> 4909
<211> 504
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (268)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<220>
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<222> (277)..(277)
<223> n is a, c, g, or t

<220>
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<222> (281)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
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<222> (342)..(342)
<223> n is a, c, g, or t

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<222> (350)..(350)
<223> n is a, c, g, or t

<220>
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<222> (359)..(359)
<223> n is a, c, g, or t

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<222> (363)..(363)
<223> n is a, c, g, or t

<220>
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<222> (412)..(412)
<223> n is a, c, g, or t

<220>
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<222> (418)..(418)
<223> n is a, c, g, or t

<400> 4909
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agactcagga atgaagtttc gaaattcctc tgtcgcaatg ggnagcttcg cttgctcatt 120

cagaatattc tctaaaggta acagatgtga caaaagtaag gactttgaat gcaattgcaa 180

aggacgtcct agtttagtta aacttgtcgg agagacatgg gcatcaacag tgtgaaggga 240

gaagttggac tgacaatacc tgacgaannt ctnaccnttc nacatgngcc atagatgttt 300

gtaagaagaa aaagacattg gaacagcaat gcaattactt tntttagtan tcattggtnt 360

ctntcatcat ggataaattt agtctgtact tcttacaaga agagaggcgt antcattntc 420

agtgggctta actgatgaac tggcaaagtt cagctgcaaa gtatgaaatc agagtttgtt 480

tcagggtcaa tttagtgcca cttt 504

<210> 4910
<211> 285
<212> DNA
<213> Mus musculus

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<222> (92)..(92)
<223> n is a, c, g, or t

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<222> (115)..(115)
<223> n is a, c, g, or t

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ctgtttctgg tttccattcc tttcctaatc tncagactga acagctcttc tccanacatc 120

gcactgtaga cagccacaag cagacagcca ccgcctctca ccagggacta gaaagtcacc 180

agggactaga aagcagagag ctggattctg cggaagaaaa gcttcctttc ccaccagaca 240

ttgatccgca agttttctat gagcttccag aagaggtcca aaagg 285

<210> 4911
<211> 523
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (369)..(369)
<223> n is a, c, g, or t

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<222> (431)..(431)
<223> n is a, c, g, or t

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<222> (475)..(475)
<223> n is a, c, g, or t

<220>
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<222> (480)..(480)
<223> n is a, c, g, or t

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<222> (488)..(488)
<223> n is a, c, g, or t

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aagagaaaaa taccttagaa gagatagccg agctgcaggg agacattcgg cgcctggagg 120

aggacctgcg tagaaagatg atgaacttga agcttgcaca tacccggctg gagtccagaa 180

cctaccggtc caatgtggag ctctgccggg accagacaca gtatggcctc attgatgaag 240

tccaccagtt agaggcaacc atcaatacca tgaagcagaa nctggcccaa acacagaacg 300

ctttggatgc cctgttcaag cacctggccc ggatacaggc tgatatcgcg tgcaagacca 360

acaccctgnt cttggacacc aagtgtatgg acacccgacg caagctgacg gtgccggctg 420

agaaatttgt nccccaggtg gacaccttca cgcgcacgac aaaccgcaca ctgantccan 480

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<210> 4912
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<212> DNA
<213> Mus musculus

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<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

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ggaccaagtg acggacatga tggtcgccaa cagccacaac ctcatcgtca ctgtcaagcc 120

tgccaaccag cgtaataatg tggtacgggg ggcatctggg cgtctgacag ggccttcctc 180

tgtagggcct gggcctactg atcctgacag tgacgatgac agcagtgacc tggtcattga 240

gaatcgccac cctccctgtt ctaatgggct gtctcagggg cccctgtgct gggacctgca 300

acctggctgc ctacttcctg gtgctggcag ctntctgccc tccttggata gcagagagca 360

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ggcaaagatg cagcccttgt cactttaggc tgcggga 457

<210> 4913
<211> 443
<212> DNA
<213> Mus musculus

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<222> (285)..(288)
<223> n is a, c, g, or t

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<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<400> 4913
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aggttcctca gttaaggcgc cttcctgtgt cgtcgtgatc gtgtgcagct cccgttcgac 120

acgcagagtg gtggatcaag tgctcaatcg aaggctggtt ctgcactggg ccaggagagg 180

agcacatgtg tgctggctag agctcagtgc tgtgctgggc taggttgcag aagtctcctc 240

cagtcgagag ctatgatgga gcaagcacaa aataggccaa gagcnnnntn ggaggatggg 300

aggaccatca ggaagggtga tgacagagcn tgctaggggg ttatttattg gggtaacaaa 360

taagtcacac ctctacgtgt cagtaaatac tttncacaat gtttttaaca gtaattcaga 420

gttccacttt atggtttagc cac 443

<210> 4914
<211> 517
<212> DNA

<213> Mus musculus

<220>
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<222> (208)..(208)
<223> n is a, c, g, or t

<220>
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<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

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<222> (350)..(350)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

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acagcaacct ccaacatgtc aggaacccgc cactgcccga catgtgtggc cctgggctcc 120

tgttccagtg ccccctctat gccctgtgcc aatggcacaa ctcagtgcta tcaaggaaga 180

cttgaattct ctggaggagg catggacncc accgtgcaag ttaaaggctg caccactacg 240

atcggctgca gactgatggc catgatagac tcagtgggac ccatgacagt gaaggagacc 300

tgtagttacc antcattcct tcagccccgg aaggcagaaa tcggggcntn tcagatgccc 360

anttcactgt gggtgctgga gctactgttt ccgttactgc tgntcccccc cacccacttc 420

ccttgaagag gacactgggg gtcaggggag gccttgntcc tagacactgg actttgccta 480

ggagggancc ttctgcctgc tgatactgga agaagtg 517

<210> 4915
<211> 423
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (88)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<400> 4915
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attctcttng tcatgttcct atttgccnnt cactgtgggc agtctcatcc tgggatatac 120

ccgttcacgc aaagtggaca aacgtagtga cccctatcat gtgtacatca agaaccgtgt 180

gtctatgatc tgatgtgagg aacctgaaga caatggaaga ttacaatgtc tgaggattgt 240

cttctggtgc ctccggaact caactcaacc atatcaagcc acagtgtatc tatgtaagat 300

caacaggaaa ctggtaagag gattaggtca ttattaggac cagagaagag ggactgatag 360

gcccantntt gtggatgaga catttttcga gacacagatg cgcattataa actcagagcc 420

cat 423

<210> 4916
<211> 416

<212> DNA
<213> Mus musculus

<400> 4916
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aggaaggaag agagagtggt tcaaagtaga agatgcaatc aaggttcttc agtgtcataa 120

gcctgtccac gcagagtatc tggaaaaact aaagctgggc tgttctccga ccaatggaaa 180

ttcctcggtc ccttccctcc cagataacaa tgccttgttt gtgacgtgct gcgccgccct 240

ctggggtgcc atccagtata agatagaggg ttggggtccc tcccccatca tgtgatgcac 300

atgtcacaag gagaggctct ttcacttcta acacacctga ctgctgctgg caaactctgt 360

atttgctatg cagggatttc aaataatttg catgtatttc atctgctttc aagtct 416

<210> 4917
<211> 155
<212> DNA
<213> Mus musculus

<400> 4917
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aaatagcaaa gatttacaga atgcaactga atgcagcttc actgttaaat ttcacctgag 120

ggctcctcat tattcttctg gaacccagaa cttga 155

<210> 4918
<211> 458
<212> DNA
<213> Mus musculus

<400> 4918
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cgggcccggc cggccgctga gcgtgtctgc gcgcgcgcgg agcagctcag aagataagat 120

aacagtccac ttcaagaacc gagatggcga gacgctaacg accaagggga aaattggcga 180

ctctctgcta gatgttgtga ttgagaacaa cttagatatc gatgggtttg gtgcgtgtga 240

gggaacgttg gcttgctcta cttgtcatct tatctttgag gatcacatct atgagaagtt 300

agatgccatt actgatgaag agaatgacat gcttgacctg gcttttggac taacagacag 360

gtcaaggttg ggctgccaag tttgtctgac caaggctatg gacaatatga ctgtgcgtgt 420

gcctgaagca gtggcggatg tccgacagtc tgttgaca 458

<210> 4919
<211> 263

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (165)..(166)
<223> n is a, c, g, or t

<400> 4919
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cgtcggggag cgctcatcgt gctggagggt gtggaccgtg ctggcaagac cacgcagggc 120

ctcaagctgg tgaccgcgct gtgcgcctcg ggccacagag cgganntgct gcgtttcccc 180

gaaagatcaa cggaaatcgg caagcttctg aattcctact tggaaaagaa aacggaacta 240

gaggatcact ccgtgcacct gct 263

<210> 4920
<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<400> 4920
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agttcttctt tggggatgcc cctgcctccc tggacgcctt tgtttttagc catttggccc 120

tgctgctgca ggccaagctg cccagtggga agctgcaggc ccaccttcgg gggctgcaca 180

acctctgcgc ctactgcacc cacatcctca acctnctact ttccccggga tggagatgag 240

gtgccacttc cacgccagac accagcagcc cctgagaccg aggaggagcc ataccggcgc 300

cggacccaga ttctctctgt gctggcaggg ctggcagcca tggtgggcta tgccctgctc 360

agtggcatcg tttctatcca gcggacaagc cctgctcggg ccccaggcac ccgggccttg 420

ggcctggctg angaggatga agaggactga tggcgttcct gttcccagga ctgacttttc 480

tactcgtgca ttccagctgt 500

<210> 4921
<211> 438
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

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agatcgaaaa cctttcatgg aaagttgagc gtgcagacag ctacgacaga ggggacttag 120

aaaaccagat gcacatagca gagcagcgga ggagaaccct gctaaaggat tttcacgaca 180

cctaaactgg gctgtggctg tgccggggtg aggaagatgt agctgtgagg ccgcccggct 240

gccctcctgc aggctgtagg ctctgccttt caccacccag gcaacagcca gggccccact 300

cctgaaagac actggcaaca ncacctctta gccgatttgt tttctcctca tctttttgat 360

ttttatttct accagggtag aggccgcgtt gagctggcct ctaatgagga ctttacattt 420

cccctggatg gttgttgg 438

<210> 4922
<211> 218
<212> DNA
<213> Mus musculus

<400> 4922
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gaaagttgag gatttgccgc tcaaactgac agtctattca gaggaagagc taaggaagaa 120

aatgatagaa gaagaacaga aaaaccattt atctggtgaa atatgtgaaa tgcagacaga 180

agaattagct ggaaattctc agatactgaa agaacctg 218

<210> 4923
<211> 325
<212> DNA
<213> Mus musculus

<400> 4923
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cttacatagt cagcacattt aaaaaaaaag acactaaata aacatttgct ttgatctgta 120

taaaatgtaa attagtttga cactgcattt ttgatgggtg tgctaatttc tgcccatggc 180

agtttaaaac attagaatct gaatcctgga cagattcaaa ccttgacaca ctgtgggatt 240

tttcttttgc tttttgtcct gtttttttctt tcttatgatc ttgacccacc ccctaccccc 300

cccacccttc attgtgacat ttggt 325

<210> 4924
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

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<222> (160)..(160)
<223> n is a, c, g, or t

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<222> (164)..(164)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

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ttttcagaat ttaaaatgtt ncctcattct aaaaattaaa aaaaaagctt tatatgtatt 120

tctgtacaga caagtagcat tctaattaat taaaaaaaan aaanaaantc ttncaagtta 180

ggataaatag aactaaattt atgtaacaga acactaagat ttttaatgcc tatggacaaa 240

acatgccttt tgagatgata atttaaaacc aaagcctaat agttgttttt gtgtgttttg 300

agagagaagc aagttcaagt gttaagaacg tctctgtgag tttttcatca ctaagtaaac 360

caactcttaa aaagtgcttt gccttctgag tctgtctaca cttaccactt cctataatat 420

tgcagagcca gttaaccatg aataatctgt cagtctta 458

<210> 4925
<211> 312

<212> DNA
<213> Mus musculus

<220>
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<222> (202)..(202)
<223> n is a, c, g, or t

<220>
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<222> (208)..(208)
<223> n is a, c, g, or t

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<222> (210)..(210)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

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<222> (278)..(278)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<400> 4925
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attgaaatcc agttcgcaca gggggatcgg aagacaccaa atcaaatgaa agccaaggaa 120

gggaggaatg tatacagctc ttcacgatat gacgattatg accgatatag acgctctcga 180

agccggagtt atgaaaggag angatcgnan gantcgcntc ctttgattat aactatagga 240

gatcttacag tcctagaaac agtagaccga ctggaagnac cacggcngta gccgaagcca 300

ttccgacaat ga 312

<210> 4926
<211> 492
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

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agaagacaac aatggcaaca tgtacaagag catcatgctg acaagccagg ataagacccc 120

cgctgtgatc cagagagcga tgtcgaagca caacctggag tcggaccccg ccgaggagta 180

tgagctggtg caggtcatct cggaggacaa agaactagtg atcccggact ctgcaaacgt 240

cttttacgcc atgaatagcc aagtgaactt tgatttcatt ttacgcaaaa agaactcggt 300

ggaggagcag gtgaagttgc gcagtcggac cagcctgact ttgcccagga cagctaagcg 360

gggctngctg gagtaacagg cacagcaaga tcaccctctg aaagggacag tacactccta 420

ctgcccaagg cagagtgagg ctgancaaaa nccatggcga cnccaaccac cacccagtgt 480

tgagcatcat tg 492

<210> 4927
<211> 497
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (470)..(471)
<223> n is a, c, g, or t

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cattcctgtc cagtgtggat ctccacactc actgctccta ccagcttatg ttgccagagg 120

ccattgccat tgtgtgttcc ccaaagcata aagacaccgg cattttcagg ctcaccaacg 180

ctggcatgct tgaggtttct acttgtaaaa agaagggctt ccatcctcac accaaggacc 240

ccaagctgtt cagtatatgc agccatgtgt tagtaaagga cataaaaaca actgtnttgg 300

atctgaggtg acatncccta actgtaagac catctgtgga cgtgtgtgac tnccgaattt 360

cttatgatgt tttcagaagt gactgatatt ttatatttat atattttaga ccnaaacttt 420

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cgtctcaaac gaggcca 497

<210> 4928
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (323)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
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<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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gcaatgtgct gagaaaaaca gtcaaaagca aagaattctt aatagcttgc attgaagacc 120

acagctatga caatggagag tgttggaacg gtctttggaa gtctaagtgg atcttccagg 180

taaacccgtt tctaacccaa gtcacaggga gaatttttgt gcaagctcac ttctttaggt 240

gtgtcaacct tcatattgaa gtctccaagg acctaaagga gagcttggag gtggtcaatc 300

aagcccagtt ggctctcagt ttnncaaggc ttgtggaaga acaagagaat aagtttcaag 360

ctgctntcat agaagaacta caggagttnt ctaacgaagc cctgagaaaa atattacgga 420

gggatnttcc agtgacacgc actttgattg actggcaacg gatccttt 468

<210> 4929
<211> 172
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (36)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

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tggttgaggc tattcgctat tgccatggct gtgncgtggc cnaccgggac cttaagtgtg 120

agaacgcctt gttgcagggc ttcaacctga agctgaccga ctttggcttt gc 172

<210> 4930
<211> 312
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<400> 4930
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gtcagcatca cggaatatga tgttataaaa gacgatgtgt tatgtgccgg agatctcacc 120

aatcagaaat cctcctgccg aggagactct gggggccccc tggtctgctt cctgaatagc 180

ttctggtacg tggtagggct ggccaactgg aatggagcat gtcttgaacc natccacagc 240

cccaacatct tcaccaaggt ctcctacttt tctgactgga tcaagcagaa aaaggcaaac 300

acgcctgccg ct 312

<210> 4931
<211> 169
<212> DNA
<213> Mus musculus

<400> 4931
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acgggctgaa gaagagggac aagaagaaca agagtaagaa gagcaaacca gcacagtgac 120

aggcgtggct gctaccaacc agctgcacaa gtgcattttt cctctgttt 169

<210> 4932
<211> 420
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)

<223> n is a, c, g, or t

<400> 4932
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agagccacgg atgggaaaag gaagatcagc accgtggtga gctccaaaga agtgaacaag 120

tttcagatgg cctattcaaa tctactgaga gccaacatgg acgggctgaa gaagagggac 180

aagaagaaca agagtaagaa gagcaaacca gcacagtgac aggcgtggct gctaccaacc 240

agctgcacaa gtgcattttt cctctgtttg ctgctttcag cacctctgta tgtaactgtt 300

tccnacggaa gggtccttta agagagaagg actgggatgg gcatngggct agttgtggta 360

agacgccagt ttttgatttg tgctgtgtgg ctggatattc ttagattcca gccgtaaggt 420

<210> 4933
<211> 560
<212> DNA
<213> Mus musculus

<400> 4933
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cccgcacact ggactttggc ctcaatgtta agcttttctg ggagaagttt gtcccaacag 120

actgtccccc agccttcttc cccctggctg ctatctgctg caaactagag cctgaaagca 180

gaccggcatt ctcaaagctg gaggactcgt tcgaggcgct ctccctgttc ttgggggagc 240

tggccatccc actgccagca gagctggaag acctggacca cactgtgagc atggagtatg 300

gcctaacccg ggactcgcca ccctagccct ggtccctccc cctgcagggg gacattccac 360

agccagcatt gccccctctg cacgctgtcc ttgctgtgag caggactgcc taggtttcct 420

gtggattgaa ggcttgctta gaggcacaac aagccatccc tacctacctc cccaggaggc 480

acttgggtgc agggaaaaaa attctccgca agttttgggg gcctagtttc tatctgtaaa 540

tccaacactc acctgaaagc 560

<210> 4934
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<212> DNA
<213> Mus musculus

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taagcgacct tctaggattc aacataagac tgtggaaaat taagtcctga gctgagatgt 120

gtgcctggac tctgctggct ggtgtcactg ctcccccact gaggacaaag atggcccaca 180

gaaaccagtg gccccacctg caggctcaca tgcatcagtc tctccactca gccccgtcta 240

acgaatggag cttcggcacc tcctttcccc ggggcctgtg ttaaaaacct gcactttcat 300

ggttctcaag caacgtgaat agtcagcaaa ctaaagcctg cctcacaaag actcggacta 360

ttcctgagtc aggacattta tcctggagcc tccagtactg tgctagttat acttactgt 419

<210> 4935
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccaggcctca actcaaaccc gaagggctcc aggaggagta aaagaaacca gaaaagcaat 120

gagagattct gacagtggac tagaaagaat ggctgttggt catcacatcc atgaccgagg 180

tcatgtcatt aggaagtcaa agnacaacaa gactggagat gaagaagtca accaagagtt 240

catcaatatg aatgaaagtg acgctcatgc ttttgatgat gantggcaaa atgaanttnt 300

gaagtacaan tntattggac gntcaggana acantggaat gcgaagtntg gntcatgagc 360

atccaggntc acgggaantc aaaaggagag agaaaattca tcgaaattca gccattgaga 420

gtggaagaag atcaaacgtt tttgtggaca aact 454

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<211> 464
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (329)..(329)
<223> n is a, c, g, or t

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<222> (339)..(340)
<223> n is a, c, g, or t

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cttccagcta taatgtctgc ctccggggag gggagggcac gggaagcacc agcagccagc 120

agagagagga gcagccttct ggtgggcagg agagcagcca ccccaccagc agccccgcac 180

acctgctgcc ccgagactgt gctctcgacc tgttcatccc cttccctgga gggagcaagc 240

gccctctgga cagacagaac catntgaggc tcacattggg ttttgagaca agaaggggac 300

gtgtgggttt ctcttcctta cactatttng gctgcacann tctttaaccc aggagcccag 360

gggtagacaa aggaggactg aggtaatcaa tttgcacctt taaaattttt ttcttttatt 420

ttctttagtg gtgacttcct tcccaattat ctttcttcat ccat 464

<210> 4937
<211> 536
<212> DNA
<213> Mus musculus

<400> 4937
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agacgaggcc aggatctgat catgaaaatg aaaattcagc tctctgaagc tctttgtggc 120

ttcaagaaga caataaaaac gctggatgat cgagtccttg tcatttcatc taagtcaggt 180

gaggtgataa agcatgggga cctgaagtgt atccgcaacg aggggatgcc catctacaaa 240

gccccccctgg agaaggggt gatgatcata cagtttttag tagtcttccc tgaaaaacag 300

tggctctctc aggagaagct tcctcagctg gaggctctgc ttccccctcg gcagaaggtg 360

aggatcacag atgacatgga tcaggtggag ttgaaggagt tcaatcccaa cgagcagagc 420

tggcgccagc acagggaggc ctatgaggaa gatgacgaag agccccgcgc tggcgtgcag 480

tgccagacgg catgatggtg cggtgtggcc tggcctggtt ggactctagt acatga 536

<210> 4938
<211> 479
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (356)..(356)
<223> n is a, c, g, or t

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<222> (409)..(409)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttcttacct gttcatcaac cagccctctc attgctgctg caagtctggc tctttgcctc 180

tgctgtgcca ggcctccatg gtgtctgcat agagccacga cagaggcatt cctcagctgt 240

acctctgact ttcttggctc aggttcagtc agttgctctt cctccttggc aaanccatct 300

aggnttccag gtgggtntca tgcataccac atgtgcacag anccagctgc agaggncacc 360

acaagggcac cttaaccagc tcctgatctc aagaacacta aaaggctanc cgttgtctnt 420

ctagagtgaa tacttcacag atctcattta gggagagcct ggtctatgga ctaagctga 479

<210> 4939
<211> 560
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

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tcagcacctc agctcctggc tcaggctcta ctactacctc tcctgtcacc accacggttc 120

ccagcgtgca gcccatcgtc aagctggtct ccactgctac cactgcaccc ccaagcacag 180

cccctgctgg ttctggcagt gttcagaaan tacattgtgg tctctcttcc cccaacaggg 240

gaaggcaaag gaggccctcc ttctcatcct tctccagtcc ccccttcatc ttcttcacca 300

tccccacttg ggggaagtac cctctgtggg gggaagcagg aagctgggga cagccccccт 360

ccagctccag ggactccaaa ggctaatggc tcgcagccta ctggacctgg ctctccccag 420

cctgctctgt gatgtgtcac atgtgctgac ctcctctctt gtgcagattc ctacacactc 480

aaacaacctg tgagggagga aggaggaaag gttttcccca gtgactttct ttttagatat 540

tgtacagtaa gttcctcaga 560

<210> 4940
<211> 319
<212> DNA
<213> Mus musculus

<400> 4940
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agcctttgtc accagcctgg acacacccga acctttttgtc ctcagaacag atgatagccg 120

gggaggtgga agaaattgcc tagaccagga atgaactagc taggaccagg tggctgtgca 180

ctgtcctgga aacctaggga ggtactgggt tttaaagttg gccttctttt gttgagtaca 240

aagaccagac atgtctggag agtctggctg gctctgctgg atgctgcagc tctgtctgca 300

gctcacagtg actctggct 319

<210> 4941
<211> 443
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (76)..(76)
<223> n is a, c, g, or t

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<222> (287)..(287)
<223> n is a, c, g, or t

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<222> (295)..(295)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cgcnaccatt actgangagt tgttcttcaa aggtctcatt ggcaacgtac ggatcgacag 120

tgttatccca cacattttaa aaatggagcc tgcagattac aactctcaaa taattggtca 180

cagcctttga gagctgaggt caccccgcta tgaactaagt ttactgttcc ttctcgggac 240

acaagaaacc aaatggagct gattgcttcc agggagtctg cgaatangta actgntaaga 300

ngtaaccnaa attnannnaa nntatttttn tttntggatt ccttaagaag aaattctaag 360

cgaccaggca ggggtcagga aatatactac cctgtctgtc ctctagggat gatttaaaaa 420

ggtactgggc tgctctttgg tga 443

<210> 4942
<211> 327
<212> DNA
<213> Mus musculus

<400> 4942
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actgaattat gcaaactgca aagcaaggcc gctctggaac aagaggcaga ggaggagaag 120

gccccagaga agccagaaga tgtgcaagaa gaaaagaagc caggtgaagc tgaggtcgtc 180

accgtggaaa aggaagtaat tggtgaaccg gaagagaaga gtaaggaaga cagagaaact 240

ctagaaggtc aagaggaagt gagcaaggct gagtaaatct ggatcagagg atgagatgaa 300

ggacgctgat gagagcccag gatctgg 327

<210> 4943
<211> 454
<212> DNA
<213> Mus musculus

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<222> (35)..(35)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

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<222> (330)..(332)
<223> n is a, c, g, or t

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<222> (368)..(368)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agccagaaga tgtgcaagaa gaaaagaagc caggtgaagc tgaggtcgtc accntggaaa 120

aggaagtaat tggtgaaccg gaagagaaga gtaaggaaga cagagaaact ctagaaggtc 180

aagaggaagt gagcaagctg agtaaatctg gatcagagga tgagatgaag gacgctgatg 240

agagcccagg atctggagac gccccactga agtcattgcg gaagaggagg gtacggaagg 300

attgaagcgt caagggtcgc aaatcccngn nngagagaga gagagatcgg gcatctagag 360

tcagggtntc cagnnngaca gtganctgcg catntgcaca aantctttct aagtatntag 420

cnatgttant ctttcagaca cttctttcta tctt 454

<210> 4944

<211> 341
<212> DNA
<213> Mus musculus

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<222> (57)..(57)
<223> n is a, c, g, or t

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<222> (81)..(81)
<223> n is a, c, g, or t

<220>
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<222> (262)..(262)
<223> n is a, c, g, or t

<400> 4944
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tacagaccac gattccgaag naggggccct cctcgccaaa gacagcctag agaggatggc 120

aatgaagagg acaaagaaaa tcaaggagat gagacccaag gtcagcagcc acctcaacgt 180

cggtatcgcc gaaaacttca ttaccgacg cagacgccca gagaacccta aaccacaaag 240

atggcaaaga gacaaaagca gnccgatcca ccagctgaga attcgtccgc tcccgaggct 300

gagcagggcg gggctgagta aatgccggct taccatctct a 341

<210> 4945
<211> 207
<212> DNA
<213> Mus musculus

<400> 4945
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aacaacacca aagcattgtg caagccctgt gctaaataga gcctctctca gggaaagatt 120

ccactctgat tggtgttcac ctccgaactg tgatgagatc catgaccggg taaaagatgt 180

cttgaaatca catcaagctc atgcaag 207

<210> 4946
<211> 365
<212> DNA
<213> Mus musculus

<220>
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<222> (101)..(101)
<223> n is a, c, g, or t

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tgaagaatag gttctttcta gaatattctt ccaattttat nccctttaa ttttccacct 120

gcttggctgg ttatcttatt tggataatat ttaattagta ttagcttcct gttctcagga 180

atgagcaaaa agatgttctc tgcagaaaca aattttaata atttaaacct gttctaatat 240

tatctacttt ttgctcttag aagaggctat tgtatttctt gggtcctaaa aactggcttt 300

ctttgtaaag ctcacatatg cactcactcc ttctttagaa gaccagctga gttacctgaa 360

tgact 365

<210> 4947
<211> 532
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (458)..(458)
<223> n is a, c, g, or t

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<222> (460)..(460)
<223> n is a, c, g, or t

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<222> (471)..(471)
<223> n is a, c, g, or t

<220>
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<222> (505)..(505)
<223> n is a, c, g, or t

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gacgacccct tggtgcacga aagccttcta accattccaa agtctctctc agagaaacgg 120

gagaatgtca tgttcgtgct gcctctgcat gggggccacc tgggcttctt cgagggctcc 180

gtgctgttcc ccgagccgct gacatggatg gataagctgg tagtggagta tgccaatgcc 240

atttgccaat gggaaaggaa taagtcccag tgctcagaca cggagcagat ggaggccgag 300

ttggaatgag gtntctggan ctcggncgtg ctccangcgg ccntcctntg gaacccacnt 360

ccctttgacg gctgtttcag gtctcccagt gacctggatc tgacctcata ccatcagtgg 420

ggggttaccc atcatgcaac ctntntcaag taggcggntn tccctgggag ntccaggcta 480

tttttgtgct tagttacggg ttttntccat tgcatcgtta gccatggtga ca 532

<210> 4948
<211> 441
<212> DNA
<213> Mus musculus

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tttcactgtg agcttgccaa ggacacctct aaactccccc atgtcagcag atgaagttac 120

cactttattt cgccaccctg caggtaactg aaactcaatt accgctgctc ctcacgcggt 180

tccagccccc tgagtttaga cagctccgaa gcctctcaga actcccgtct gctctctttg 240

ctctacccca ggggtgagcc cactggagcc tgcgaccagc cctgcttgcc accgctcact 300

tatctgagcc tttcagctct ccctggaaga ccttcgggga ggggctcctg agcccccatg 360

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acagcctctg ttgaagatgc a 441

<210> 4949
<211> 470
<212> DNA
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<223> n is a, c, g, or t

<220>
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<222> (266)..(266)
<223> n is a, c, g, or t

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<222> (273)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

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cagtgtcagc cctcactcag acaggccaag cctgggctcg aagacaacat tgtccaggga 120

agcctttagt ttgctatagc acccagaggt tggcgaggaa taagggttag ggtcctcaaa 180

tacacccatg gcttttggag tctatgacca aggccaggct gagacctgaa atgtaaaanc 240

catagaatta aacagaacag actganaaac gantcttaag ttccactttc tggatttntc 300

tggaantctt ttgaatttgt ctgtagaagt tgctgttcct agcantcctt ttntctttag 360

gtagaacaga tacttgacca taatgccaga atgtactttn tctnccttgg tttttctatn 420

ccttgttttt cagtttcagg gccaaacaat tgggccctgt ggtgtaaaat 470

<210> 4950
<211> 247
<212> DNA
<213> Mus musculus

<400> 4950
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cgtatgttca aattcagccc catccaggca gccaaatggc taggggagcc actgatgaaa 120

tgaaatatgt gttgggtcaa cttgttggtc tgaattctcc taactccatc ttgaaaactg 180

caaaaacttt gtatgaacgt tataattgtg gtgaaggtca agattcttcg tcatccaaga 240

cttttga 247

<210> 4951
<211> 388
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (252)..(252)
<223> n is a, c, g, or t

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<222> (254)..(254)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cctcatatta gcttagtgcc caccgcatat cctctgcaga taaacttgga ccataaatca 120

ctcagtttga attgggcaca aggggacaat tctttggaga ttgtggatgg cctaaatggg 180

aagattactg aaagttctcc atttaaaagt ggtttatcaa tggcaagtcg gctttgtaag 240

gctgcaatnt tnantcnnat ttaatctgct tnccaaggaa gctaaaacag atgatttact 300

tgaagctcgg acataccacg cggctaagtg tatntntgga ccctatcaag aagcaaaggc 360

gttactgaag gcctacttgc agcagcat 388

<210> 4952
<211> 262
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gattactacg attatgggca tggactcagc gaggacgctt atgactccta tgggcaagag 120

gaatggacta actcaagaca taaggctcnt tcggcgagga cggcgaaggg cgtctacaga 180

gaccagccat atggcagata ctgattgtac tgtctngatg ttgtgaaata gccaatctcc 240

accgtcctgt atactgttca aa 262

<210> 4953
<211> 428
<212> DNA
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (389)..(389)
<223> n is a, c, g, or t

<220>
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<222> (393)..(393)
<223> n is a, c, g, or t

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ctgcctgcca ggtcaagccc agtcccagga gaccccaggc cttggctcct aggctgttcc 120

atgaacctcc ctgacctgcc tggtgattgc ccagctgaaa cctcagccaa gccccagctc 180

caattacctt gtgctggtag ctgcttgtgt ctgcagtctg agtaggcctt gttgcggttc 240

ctccatctgc ctggtctatt ggtgttctga gaccaattcc actgatgttc tgacagatcc 300

tccaccctgt gcccctgcca gcccccacaa gtttattttt gcacaaaagc catgacccat 360

actcatttgg ctggcatagg gtgtntagnt agnccctggg gactagggag accctggaga 420

tctcaaga 428

<210> 4954
<211> 361
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (101)..(101)
<223> n is a, c, g, or t

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<222> (137)..(137)
<223> n is a, c, g, or t

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<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

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ggcgtcaagg agtgtgcatc aggactgaga atttggccaa ntatgttgca gaactgagcc 120

ttctggaagc tgacccnttc ttgaagtatc ttccttcctt ggttgctgca gcagcttact 180

gcctggcaaa ctatattgtg aacagacact tctggccaga aacacttgct gcatttacgg 240

gctattcatt aaatgagatt gtgccttgcc tgagtgagct gcataaagca tgcctcagta 300

tcccccatcg accgcagcaa gcaatnaggg agaagnacaa ggcttcgaag tacctgcacg 360

t 361

<210> 4955
<211> 422
<212> DNA
<213> Mus musculus

<220>
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<222> (394)..(394)
<223> n is a, c, g, or t

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tggcagattt tggtgctatg ggctgtgtag atattatgcc tttagatgtt gctttagaaa 120

acctaaattt aaaagagagt aataaaggaa atgagcctcc accacctcct ctttgatgac 180

ctccccactc gaagacaatg tcctctgtgc tgtatttgcc aatgaaagtg gacaacagct 240

atcctgggtt tgtgtggtga ttgtaatttc aggtctgtca ctcttgttac attgtgtaca 300

ttcaaaagga agagagaaat atatatgata atcatttcca cttaactaat ttttacttct 360

agcaggtaaa tgtaggtagc agtgcagggt gatntctgct tcctgtacct tgacatgcaa 420

aa 422

<210> 4956
<211> 522
<212> DNA
<213> Mus musculus

<400> 4956
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ggaggtccag cctgatgttg tttccaaaac atcgataatg ctgggccttg gtgagacaga 120

cgagcaagtc tatgccacac tgaaagctct ccgtgcggcc gacgtggact gtttaactct 180

agggcagtac atgcagccaa cgaagcgcca ccttaaggtt gaagaatatg ttactcctga 240

gaagttcaaa tactgggaaa aagtagggaa tgaacttgga tttctctata cggcaagtgg 300

tcctttggtg cgatcttcat ataaagcagg tgaatttttc ctgaaaaatc tagtggctag 360

aagaaaaaca aaagcttcta aagtgtagcc aagcccttca agatcacagg agtgttgcga 420

ttttgcttcc agttggtgtg aggatggtgt caccctgtca ggattcctgt gagtgcaagg 480

cagcaccgtt ctgaagggtc tgatggctga tcgaagcgga at 522

<210> 4957
<211> 431
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
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<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

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tcccntccgt tntgagctac accnggatca tcacanaacc caggtggatc ccactgctca 120

tttgaccttt aaccttcact tatccaagaa agaaagagaa gccagagaca gcctcactct 180

gcctttccag ttcagctctg aaaaacagaa agctctgctg catccggtac ccagccggac 240

cactggccac atcttttatg agccagatgc ttttgatgat gtggacccag aagacccaga 300

tgatgaccta gatatttgac agacaaatgg cagaggaagg ctgtgggctc agaaccaccc 360

tgctgttggc agactctacc ttgtcccttg tcctttgtta ctttgtctgc agaagctgtg 420

tcgtgagcca a 431

<210> 4958
<211> 522
<212> DNA
<213> Mus musculus

<400> 4958
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ggaacatacc atgtcactac aacctgcttc catgatcagc cctctggctc agcagatgag 120

tcatctgtca ctgggcagca ccggaacata catgcctgca acatcagcca tgcaaggagc 180

ctacttgcca cagtatacac acatgcagac cgcggcggtg cccgttgagg aagcaagtgg 240

ccagcagcag gtggctgtgg agacgtctaa tgaccattct ccatatacct ttccacccaa 300

taagtaactg tgagatgtac cgaagggagt tcttacctga agaagggtgt gaaggctgaa 360

caatcatgga tttttctgat caattgtgct ttaggaaatt attgacagtt ttgcacaggt 420

tcttgaaaac gttatttata atgaaatcaa ctaaaactat ttttgctata agttctataa 480

ggtgcataaa acccttaaat tcattctagt agctgttccc ct 522

<210> 4959
<211> 483
<212> DNA
<213> Mus musculus

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<222> (437)..(437)
<223> n is a, c, g, or t

<220>
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<222> (445)..(445)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

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tgccaagtag acctctcctt acgcaagcca aggtgtctgt aggctgctgc ttgtcagatc 120

taaggaggga gagagacttt atgtaaaggt tgtcaaacgc ctaatctgag acaaacaggc 180

tgttttgtaa gcatctggac tgtcacattt ttgtgcattg tgactgcaga tacttcatgt 240

gtatattata gcttagactc ttggacctct gttctgtttt cttacctgca ggtcacaagt 300

gtaatactat tctacttctt cgtacatttt gtagtaatat gtttaatata atcaaatatt 360

ggcagccaga tatgtgagca gttctgaacg aattcatatc cttttaccac ttgaatatat 420

tgcagtgtgt ggtgggntcc taaantcatt cgtntccttt ctgtacagca tgttccattc 480

cat 483

<210> 4960
<211> 551
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
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<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

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ccgcctcctt cacccccacc tcagcagcct aaggacccct cgtactccta caacccatcg 120

ggtcaaggcc tgagccggca cagctttccc tgcagcgtcc atcagtatga atctccggga 180

gcagtgaaca atgacaactc agacctttg gattctcaag tccagtatag tgctgagcct 240

cagttatatg gtaatgccag cagcgagcat cccagcaacc aagttccgag taataatctc 300

ccagaagagt gtttctcttc agatgaggnc actcctccaa gntattaaaa agatcataca 360

tntgctggag aaggtgcagt ttcttganca agaagtagaa gagttngtag gaaaaaagac 420

agacaaagcg tattggcttc tggaagaaat gctgacaaag gaacttttag aactggattc 480

tgttgaaact gggggccagg actctgtccg tcaggccagg aaagaagctg tttgtaagat 540

ccaggccata c 551

<210> 4961
<211> 406
<212> DNA
<213> Mus musculus

<220>
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<222> (94)..(94)
<223> n is a, c, g, or t

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<222> (102)..(102)
<223> n is a, c, g, or t

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<222> (340)..(340)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
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<222> (381)..(381)
<223> n is a, c, g, or t

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gtaagtgatg atattgaccg gtaggttgaa cttnttccaa anagcgtcaa atatgagcac 120

gattagatct tcagtcttgg ttatcaggat accgctgagg ggcttgctgg atcccaagtg 180

caaagtaatt gcacatcgag tattttaacc aaagctgcca gcgtattcta tcttgtggac 240

tgcattttga tcttgtattt ttctccttca aagacctctg aaaggtagat cagttaaaaa 300

caaaaatagt gttcatacac ataggctact gaccagtgtn ttcggtgtaa gacgttnaga 360

gtgtattctg acaaagtaag nataacttca aggcaggcac tatggt 406

<210> 4962
<211> 468
<212> DNA
<213> Mus musculus

<400> 4962
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agcctgtaat ttctgaggcg gacaggactc gtgttcccca cttgccccag gccttccctg 120

agcagcaggc cttcctgacc cagcctcaaa ccagcacagt gcctcctacc tcacctggcc 180

tcccttcttc acctgcacaa gtcacctctg tcccccttagc ccaggatcag gaaactcagc 240

agtccgttga ctcagaggac agcttcgtcc caggccggag ggcctcgctg tctgacctga 300

cccacctgga ggacattgaa ggcctgaccg tacggcagct gaaggagatc ctggctcgta 360

actttgtcaa ctataagggc tgctgcgaga agtgggagct gatggagagg gtgactcggc 420

tgtacaagga tcagaaagga ctccagcacc tggtgtctgg taatgaag 468

<210> 4963
<211> 248
<212> DNA
<213> Mus musculus

<400> 4963
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acttcatgtt gtcaagctgg tgggcaaaga ccctgttcat catcattggc ctcttgaccg 120

gctgctattt ttgttgctgc ctttgctgct gctgcaactg ttgttgtgga cattgtcggc 180

ccaaatcatc gacaccagaa gaggagttct atgtgtcacc agaggacctt gaggagcaga 240

tcagaact 248

<210> 4964
<211> 544
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (425)..(425)
<223> n is a, c, g, or t

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<222> (428)..(428)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

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<222> (482)..(482)
<223> n is a, c, g, or t

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<222> (502)..(502)
<223> n is a, c, g, or t

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attgagctcg tcagatcgaa tgcatgctct cagcctcaag cttgtcctcc tcggcaaaat 120

ctatgctggg acgcctcggt ttttccctct ggattttatc gtgcagttct tggagcagca 180

agtttgtacc ttaaactggg atgtggggtt tgtgatacag accatgaatg aaatcggcgt 240

gcctttacct aggctgctag aagtttatga tcagctcttc aaatcacggg atccattctg 300

gaacagagtg aaaagcccac tgcaccttct ggattgtatc catgtactgt tgacaagata 360

tgttgagaat cctagcctag ttttaaattg tgagaggaga aggtttacaa atctctgcct 420

ggatnccntc tgtggatatc tggtggaact tcantcaatg agttcttcag tagcagtaca 480

anccatcact gggaatttta antcgctcca agcaaagctg gaacggctcc attgattact 540

gtag 544

<210> 4965
<211> 488
<212> DNA
<213> Mus musculus

<220>
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<222> (258)..(258)
<223> n is a, c, g, or t

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<222> (306)..(306)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgaagaatt aaagtttgat cgactctcag tgtttcggcc aggagtccta ctgtgtgaca 120

ggcaagagtc tcgtccaggc gaatggctgg ctaggaaatt cttcggctct ctgccagact 180

cttgggccag tgggtacgct gtgcctgtgg tgacggtggt tagagcgatg ctgaacaagc 240

ctggtgagtc ccagcagncg gacaaatgga acttctggaa aataaggcca tcctccacct 300

gggganaaga cagggatgtg cccaaactgt gaccatgctg gaggacattc gtgaaaacct 360

cagtgcctgt caccaaatca gtcatttggg ggctctataa aaagtctctt tgtggncctt 420

tgtggtgtgc ttctccttag ccaagcggct ccatcagaaa atggcactac tccacgtcag 480

ttgttgag 488

<210> 4966
<211> 503
<212> DNA
<213> Mus musculus

<220>
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<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
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<222> (400)..(400)
<223> n is a, c, g, or t

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<222> (445)..(445)
<223> n is a, c, g, or t

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<222> (459)..(459)
<223> n is a, c, g, or t

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<222> (461)..(461)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (469)..(469)
<223> n is a, c, g, or t

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<222> (471)..(471)
<223> n is a, c, g, or t

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tggggaagag gatggcaaag taggccctaa cctacctgac agcgctcaac ccctgcagct 120

gctgagagag atgaaccagg cgctgcaggc cctgcaggag gagaaccggc tgctgcagga 180

ggagaacagg gctctgcaca tcttgcgaga ggagcaccgc gtcttccagg aggagaacaa 240

ggccctgtgg gagaacaata agttgaagct gcagcagcgg ctggtcatcg acacggtgac 300

tgaggtcaca gcccggatgg agatgcttat cgaagagctg tatgccttca tgccagccaa 360

gaacaacaaa gatcccaaaa agcccagcag ggtntngagn ccttggcagc agacatagac 420

accaagacca gaccagagag aaccntcaac cttccttttnt nttccttant ntgcccagaa 480

gcacgtgccc gtgggacaac gga 503

<210> 4967
<211> 285
<212> DNA
<213> Mus musculus

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<222> (191)..(191)
<223> n is a, c, g, or t

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ttccaaaaag ttggcggccc ttatgcagaa caagctgacg tccccgctgc aggagaattc 120

caccctgagt gaagaggagg aaaaaaagtg aagagcgagc aagaaaaagc agaggagaga 180

cgccggcgcc nacgtttact ccgacttatg gtctgaggcg tacccctctg ctcccctgga 240

tcttttcata ttcagtccac ctctctcttc ttttgggaca gcaac 285

<210> 4968
<211> 253
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<400> 4968
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gatgacatct taatcaagca gaaccagacc ctggctgagc tgcagaataa catggtgcta 120

gtgaaactgg accttcagaa aaaggcagcc tgcattgctg agcagtatca cactgtgcta 180

aagctccaag gccaagcctc tgccaaaaag cggctgggag caaaccagga aaaccagcaa 240

ccaaatcatc aac 253

<210> 4969
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<220>
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<222> (442)..(442)
<223> n is a, c, g, or t

<220>
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<222> (452)..(452)
<223> n is a, c, g, or t

<400> 4969
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aaccctcagg gcagaaacag tcctgctctg gctgttatgg cagcatctgt gaccaacata 120

cagtttcctg atgtttcctt gcagcatgtg aatcccatag aaagctcagg aattgcactg 180

agtgaaagca tccctcagat tccctcacaa cctaccattt caccaccacc taagcctaca 240

atgaccagag tggtttcttc gacacatctg gtaaaccatc catctagacc ttcaggaaat 300

acagcaacga acatacccaa tcctatacta ggagtctaga agacagtctc agctgataag 360

aagaaagaaa caagaaaccc aacagaaggg aagaaccaga tagatgantc ccgcttagac 420

accactcaga cagcagcttn tntgttggcc tntcaggaaa cacctgggaa cagataagcc 480

cggtatccct gtttttccta gagatcctat tccttttatt gagag 525

<210> 4970
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (402)..(402)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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cagaccagtg tgtgtcactg tgatgttaag caggtantgc ctgatgatcc agagcggntt 120

gattcaagtg tggctgtact gggctcaaaa ggcttcacct ctggaaaatg gtactgggaa 180

atagaagtag gaaagaagac aaaatggaca attggagtcg tcagagagtc catcattcgg 240

aaggggagct gccctctgac tccagagcaa ggattctggc ttctaagact aagaaaccaa 300

acagatctaa aggccctgga tttgccctcc cntantctga ctctaggcga cctnagaaga 360

gtgggcgtgt anctggatta tgagggcggg caagtatcnt tntacaacgc tacaaccatg 420

acccatnttt acacctttag cagtgttttc caggag 456

<210> 4971
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<220>
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<222> (287)..(288)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (381)..(381)
<223> n is a, c, g, or t

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<222> (413)..(413)
<223> n is a, c, g, or t

<220>
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<222> (419)..(419)
<223> n is a, c, g, or t

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ctcagacaaa tgtggtggtt ccttggttaa aggctttcaa tgattagaca ctcctaatta 120

tcagccacaa agaaattgat aagcgtattt gtacagtgaa ttcagaactg tgaatcatat 180

tgaaaattcc taaaattata aatgctaaac ttttaagagg ctcatttctt tggttaaatg 240

aatacacttg aattggttga attaaaattg atnattctca ctttagnnat aatnatatat 300

aattntacta tagaaatntt atatatnata tatatatntg accttaactc aagttgatga 360

tnatagctat ttatactgtt natatacata atgatctgtg ctgaacaata atntcattnt 420

gattattggt tattaacatt tgtaactgta actgtatttt cattctgtta ctataaaata 480

ataagtataa tatagaagaa tattctcacc atggcctgta tgttgttatt a 531

<210> 4972
<211> 174
<212> DNA
<213> Mus musculus

<400> 4972
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tggccaaaac cttgaacctg aagagcgaag aacttcaagc ctttcctgct tggcatccag 120

ttaaatccta gtacactgcc aggttcctcg aaacccccttg agtttgtatt gact 174

<210> 4973

<211> 445
<212> DNA
<213> Mus musculus

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<222> (354)..(354)
<223> n is a, c, g, or t

<220>
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<222> (399)..(399)
<223> n is a, c, g, or t

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tcggtcactg agaagcacag atgccgcagg gaagaagttt aaaagaaaaa tcctaggagg 120

ggacacatga taatgaaggg gtcagctgag gatctaaaac cataacggaa aggcagtaat 180

agacagctac agaaaggcac actgtcttaa tcaccagtca gtcagagtga taggaaaatg 240

tccaaagcac aagagtgaaa tatttctcta ttcagaaatg ttatcctaag gattggtaat 300

tatagtcagt tcataatctt ttagagcatt ttcttacatt agcttaacaa gatntccatt 360

tcaggaatgt gtatggagag atgggatggc ttagtaatnc ctgctgttcc agaggaccct 420

ggttcaatta ctaggaccca cttgg 445

<210> 4974
<211> 529
<212> DNA
<213> Mus musculus

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<222> (28)..(28)
<223> n is a, c, g, or t

<220>
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<222> (493)..(493)
<223> n is a, c, g, or t

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cccggatgag aacgaccaag tcattgttaa gatcatcgga catttctatg ccagccagat 120

ggctcagcgg aagatccgag acatcctggc tcaagttaag caacagcacc agaagggaca 180

gagcaacctg gcccaggctc ggaggaagtg accccgcccc ctcctgtccc attggctcca 240

agatcagcag gaggaacaca gaactggagg ggcgggtgga gggccggtgt gctcttccca 300

gcaggcctga gaatgagtgg gaatcagggc atttgggcct ggctggagat caggtttgca 360

cactgtcttg agaacaatgt tccagtgagg aatcctgatc tctcgccccc aattgagcca 420

gctggccaca gcccacccct tggaatatca ccattgcaat catagcttgg gttgctttta 480

aacgtggatt gtncttgaag ttctccagcc tccatggaag gatgggtca 529

<210> 4975
<211> 311
<212> DNA
<213> Mus musculus

<400> 4975
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gcaagaaagg gtccccgaag gagtctaaag gaaatgtatc ccgaacctcc cgaacctccg 120

aacctaaagg cttttaacac ctggtccaga agctgattga actgaatgga aaacctgcat 180

gttgtcagaa acactgtcag tgaccgacaa cagtgctttc tgttgtgttg gcattgtgtc 240

taacaagcat ctgtcctgga gagtcacctt cctctagggc cgccaaggcg aactacacac 300

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<210> 4976
<211> 425
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<400> 4976
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ggctgaatgc agagaaccac aggacgaaga tcactgtcat cttcctgaaa gaggaggaga 120

cacgctcttt gcctctcatc attggcagca gcatcggagg cctcctggtc ttggttgtga 180

ttatagccat tttgttcaag tgtggctttt tcaaaagaaa atatcaacaa ctgaacttgg 240

agagcacaag gagggcccag ctgaaggctg acagtctgct ccaagattag ccccctgctt 300

cctcaccgga aggagggagt ttgagccagt cggaagccgg gatgcccccc atcggggccc 360

cttnantctc cttaggacga tcaagcaaca tcaaagaact gtagagtgtt gttcatagcc 420

acaca 425

<210> 4977
<211> 420
<212> DNA
<213> Mus musculus

<400> 4977
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gaataatgtt ttgcttctca tcaaagcatt agctttgggt tataatgctg aatattgttg 120

taaattattt tcaacctaaa cataatgcgt tcagaactat taattgatct aaatattaaa 180

acttgagacc ctcacgttta tgtggctaaa gctaagtcta ttttgagaaa tagctgtttt 240

tgcatatggt cagaggatta agaactgcat gtttgagagg ttttaccaca ttgtagaaag 300

tataatctgt aatggttatt tgctgttacg taagaaacac tacatagata aagaaaattt 360

tttgtaaatg acaaattttt acacttgggt tttttaatgc tgcactacaa aagtcaattg 420

<210> 4978
<211> 420
<212> DNA
<213> Mus musculus

<220>
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<222> (106)..(106)
<223> n is a, c, g, or t

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<222> (110)..(111)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (356)..(356)
<223> n is a, c, g, or t

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<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<400> 4978
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ctgaccaagt ttgaggccaa aatcgggcaa gaaaatgaac ctagcnatcn ncnggatgtt 120

ccagaaactt cactttaagc aggtggctat gagcaacgtc ttccaggagg tgacactcag 180

gctggcagtg agcgagccag agcggaagtg gattctagag cagacgagcc acatggaaga 240

gagaccctac aggaccagga aggccgagcc ntgtgacagc caccctgagc gagcagaaga 300

gttggaactg cccactccca aggccagacg gctgcatggg agacacaagt gcagtntntt 360

cagtntgcgc caggctntcc tgagccagcc atggcctccc ctggttagca gtggtcaaga 420

<210> 4979
<211> 356
<212> DNA
<213> Mus musculus

<400> 4979
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atgtccccca tagcagtccc ttcggtgctg gctatccctt ccgaaatcct gaggatattt 120

tccgcgagtt ctttggggga ctggaccctt tttcctttga attctgggac actccgttca 180

gcggccgagg ccggccccat ggtttacaca gagtcttccc ttcgggcttt ggtgagttcc 240

cagccttcat ggaagccttg tcatctttca atactctggg ccatggtggg ggcagccgct 300

ccacctttc atctgcttcg tttggtggct ctggcagctc agggttcaag tcagtg 356

<210> 4980
<211> 165
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<400> 4980
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ataactaggt ggttcttgat gctcacccaa agcccccaat gctgctagga ggagggcacc 120

cccaaagggt gctccccaca ggccatctgc ttttgccgct aacac 165

<210> 4981
<211> 506
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

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tgtcccgttc cctccgacgg cctttcctct gtctctcgcc ccctctcntg tgcctgtaga 120

ccttgctctt tgctctctct ttgggaggca gaactttgag ggaggggagt aggctcaagg 180

taaccgatga agtcaggttc cctccagtgg ttccctcctg cccttctctt gtgatttata 240

aatgaatttt aatttttata gtgaatctca agggatcgtc ccacctttga tcacaggaag 300

ggatcctagc ccccaaactc acaaggagct cgggaaggag ggggagaggg gtttntaaga 360

gaaccttagg ataactaggt ggttcttgat gctcacccaa agcccccaat gctgctagga 420

ggagggcacc cccaaagggt gctccccaca ggccatctgc ttttgccgct aacacccctt 480

cagtccagcg agtatctgcc ctgcgt 506

<210> 4982
<211> 508
<212> DNA
<213> Mus musculus

<220>
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<222> (44)..(45)
<223> n is a, c, g, or t

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<222> (64)..(64)
<223> n is a, c, g, or t

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<222> (159)..(160)
<223> n is a, c, g, or t

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<222> (418)..(418)
<223> n is a, c, g, or t

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<222> (471)..(471)
<223> n is a, c, g, or t

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<222> (481)..(481)
<223> n is a, c, g, or t

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aaangtcatt cattcatgga aaacagttac atttcaaaca ttatttctaa taatatttct 120

gtggttttta acttttaat gaatgtcata taggacaann tggtaatttg tatataagat 180

cttggtaaga gatttgctta atgtaaatat aagccacagt tagaatagac tcatcagtat 240

atttttgata atttttcatg tatggtaaaa gttaaagtta acagatattc tgatataaat 300

ctcaagagtt ttgagagtca ttgcaggaaa atgggaagtt tttaaacttt cttaaaagac 360

tttgttaaaa ttttagggca cattttcca gacatcagtg tttgatctaa ttttgcantc 420

tttgataata atgctttaga gaatacatgt aatcaagtgc ataggcctct ntcagcgagg 480

nccatctgtg ttacagcctc ctgacttg 508

<210> 4983
<211> 438
<212> DNA
<213> Mus musculus

<400> 4983
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gctagtttca gggctgttct catgtaaagg ccgacgtgag aatatcagcc tgacaacgga 120

gggactgcgt cagctacctt ataatgtgca gtcttgagtt tgctatcttt ggcctattaa 180

gatactttat gaactttaca gttaaaagat taaaaatcat ttcttaagtc cttattgata 240

tctgaagatc atattttgtt agaccttggt gaggaactaa agaagtcaat gctgttcaga 300

tgaagtctct aggtaccaaa ccaacatgtt ctcttttatc aatgctcggg tgtttagtct 360

cttctcacag ggatgtgctt tatgtaaaca tgctaatgtg aaatcagttc atgtactttt 420

ggagaccgtg ggcttgct 438

<210> 4984
<211> 528
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (306)..(307)
<223> n is a, c, g, or t

<220>
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<222> (351)..(351)
<223> n is a, c, g, or t

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<222> (390)..(390)
<223> n is a, c, g, or t

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<222> (402)..(402)
<223> n is a, c, g, or t

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<222> (412)..(412)
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<222> (415)..(415)
<223> n is a, c, g, or t

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<222> (420)..(420)
<223> n is a, c, g, or t

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<222> (436)..(436)
<223> n is a, c, g, or t

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gcctgaggca ggcggatcca cagcgctttc ttctgcctcc cgccttgggg ctgctggtgg 120

ccgccggttt ggctggcgcc gcactcttgg tcatccacgt tcgccgccga ggtcctggcc 180

aggataccgg gactcgcctg ctttctggga cccgggagcc ttcggtccac acgctcccgg 240

atgcactcaa caacctgagg ttacaagacg gtgctgggga tggccccagt tcgtcggctg 300

actggnntca tcctgaagat ggagactcta gatccattta tgtcatacca ncccccttcca 360

tttatgcacg agaggcctga tcctgccccn ttctctatct tntcccttct cnatncatcn 420

cctggagatg gagccntgaa tgattttatt tactttgtgg tgtccaatct ctacctcccc 480

ctaccgactg gagactcttt gaaagggctt tattgtacat attgctta 528

<210> 4985
<211> 212
<212> DNA
<213> Mus musculus

<400> 4985
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gggcactgac caagtggaaa tatgctggac acatagtgat atatctcaac taggagaggc 120

taactttagt gaggtagttg ggacgatcat agatggactg gcccaagttc aaggctggat 180

catgacaaga actgttgtgg accaaccctc aa 212

<210> 4986
<211> 290
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 4986
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acaaaacttg cgaaaagtac caggatgaat ttggagtttc nacatctgtt tcaagcttcc 120

aacagtctcc aaactccgtg ggcaacagta acaacgaggc accggcctca gcgaatgctg 180

aggttttaca ngaagaggan gagaacgcaa gcccacctga tgagcccacc ttcgattgtc 240

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<210> 4987
<211> 575
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (66)..(66)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (72)..(72)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (312)..(312)
<223> n is a, c, g, or t

<220>
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<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
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<222> (343)..(343)
<223> n is a, c, g, or t

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<222> (348)..(348)
<223> n is a, c, g, or t

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<222> (356)..(356)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (392)..(392)
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<222> (445)..(445)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (504)..(504)
<223> n is a, c, g, or t

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<222> (506)..(506)
<223> n is a, c, g, or t

<400> 4987
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atagtngtgn cnagactcca ggcctctcct gctcagtcta gctctacaaa gttcnntaan 120

agactggtcc gcatanataa aggtcaccag gaagcacagt cataaacctg gtcccccacc 180

tatcagcacc aactctcagt tcatcagggt tgagaaagga cactggattg agcttctgaa 240

atgccnctgg tagctctgta acatgggaat ggaaatgtcc ctctctgggc ctgtgtttct 300

tngtntgtcc antgaaggaa cagaactaga ancccattca ncnacctntg agattnttac 360

acagggnttg gcttctntat gttagccagg gntgctgtaa gaactcaggt tagtagcata 420

cttgagtaat nagggtcaaa gtgtntcacc acaaacaaag gtatcaaatc acaagccngg 480

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<210> 4988
<211> 473
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

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<222> (233)..(233)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

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<222> (242)..(242)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

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<222> (260)..(260)
<223> n is a, c, g, or t

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<222> (262)..(262)
<223> n is a, c, g, or t

<220>
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<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<400> 4988
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cggtggtgac gactgaacgg caggacggac ttggcttttg gacaagtatg aacagtttca 120

cctgatattc ccnaaaaaaa agcatacaga agctaggctt taactctgta gtccactagc 180

accgtgcttg ctggaggctt tggcgtaggc tgcgaaccag tttgggnctc ccngggaatn 240

tncagtgatc caatactntn tnggaaaaca ccgagctcag ctacacttga attttacagt 300

aaagaagcac tgggatttat gtnccttttt gtacctttt cagattggaa ttagttttct 360

gtttaaggct ttaatggtac tgatttctga aatgataagg aaaagacaaa atattttgtg 420

gcgggagcna gaaagttaaa tgtgatacgc ttcaacccac ttttgttaca atg 473

<210> 4989
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(355)
<223> n is a, c, g, or t

<400> 4989
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aacaaatggt ttgcaggagc acagctgatc tctctgttag acctggtcct gtctctccct 120

gagggcgctg agacagactt actgcagaac tcagacagga ttatggcttc attaaattta 180

ttgaggtatt tggttatcaa agataatgaa gatgacaatc aaactggatt atggacagaa 240

cttggaaaaa ttgaaaataa ctttctaaag ccacttcata taggacttaa tatgtcaaaa 300

gcacattatg aagcagaaat taaaaacagc caacaaaata accaagtagc cncnnatgtg 360

taaaggtgtt tgttccgtga ctgtaggtgg agaagaaatc ccttctatgc ctcctgaaat 420

gcagcttaag 430

<210> 4990
<211> 367
<212> DNA
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gtctccaggt tcgattcctc agactgtcct ttagtgcctg tggtaatgcc aatcctcaca 180

agtgggttcg acatntaagc cacagcaacg cctacgtaat tcggatttga agctccccaa 240

gcaaggatat ggacagcaat gtgagcaggc agttgaacag gaagaggaca ttttctttgt 300

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caccgacaag aagaacagtc cagcacttca agggaccgag cccctcgtga taggcatcct 180

tgttaccgtc cttggggtgt cgctaggcat gaactccgga tatgcaatca acccatcccg 240

tgacctgcct ccccggttgt tcactttcat tgctggctgg ggcaaacaag tgttcagnnn 300

nnnnnnnnnn nnnnnagccg gaaacaactg gtggtgggtg ccggtggtgg caccanttnt 360

gggcncctac ctaggtggta ttgtatacct gggtttaatt caccccagca taccacagga 420

tcctcagaga ctggagaatt ttacagcaag agaccagaag gtaactgcat catacaagaa 480

tgcagcttnt gcaaacataa gtggntctgt gcctntagag cacttntaag tagagcttnt 540

ctttgaccac aaccgtactg caat 564

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<211> 405
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aaacaacaca ggattccaac aaacgatgag ctgctgtatg atcctgagaa agataacaga 180

gaccaggcct gggttgacgc caagaggagg gggcatgaat cctacaagac gcagtacagg 240

gcaatgtttg tgatgaattg ttctatcaac agagaagagg ttctgagata caagaatcca 300

gaaaacagga ggaaacggcg gagtgctaag aagatgaggt ctaatcctga agatcccgca 360

gagagagaag cggaggaaat ctatcaccct gtcatgtgca cagag 405

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cagtccaagc ccacccccgc ctcgccttcc gcaaaactgt gagcaaaaag caatagaagc 180

ctcgcccccg cccccggccc gtccctttcc gcaggatttg ccgtctgtag cctccccatt 240

ccagttccta gacctcatgg ctgccccctc ccgtgacacc tccactgcac aanctcgggc 300

gggggcgtga cccccaaccc gtcccttntg tggtttccgt gtggtcagcc cttccagccg 360

ccgacccggg atggggactg gcccccactg gccctcccct ccccatggac tctttntgct 420

tgacaatgta gcaaaccccc tccctctttc tctctccttg acaataaagt ctggatttgt 480

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catctaacag cataaccaag tgtgatgctg acatacagaa gacactcttt ggggagattg 180

tcttgtcggg gggaagcacg ctgtttcagg ggctggatga caggctcctg aaagaactgg 240

aacagctggc ttccaagggg gtccccntca aaatcacagc gccgcccgac cnntnnttnt 300

ntacgtgnat cgggncctcc attntcannt ntntgagcag nctttaagca gatgtggatc 360

actnctgcag anttcaaaga gtttggagtn tccgtggtcc agaggcggtg cttntgaagg 420

gctgcacant cccagtagct gcagtntccc ttgcaaggga cacccatggg aagagagcnt 480

ntcccatggc ctttagcacc acatttaatt a   511

<210> 4995
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cccacagnct gccagcatga gccacaggtc ctaccagcct ccccagcgga tgcaacagac 120

aaatgttgcc ctgcttggca gggagtctgt ggggaacaag gagcccacag ggttcactct 180

taacaacccc agctatgttc ggagttccta tgaacaggac agagatcagc ggtacctgac 240

cacctacaac caagggtact tcgagaatat ccccaagggg ctggatcgag aaggctggac 300

tcgaggtggc atccagcccc agaaagcagg agnctacgcc ctcagtgagc tgaataacca 360

taccctcatg gantccaccc caaatcccac ggagaccctg aggcacctgc acccccatgt 420

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<223> n is a, c, g, or t

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gctgcttggt cttccttgcc atagatgcct atgagaggcg cctcgtgggc acccgcttta 120

agatagcctt ccagctcttg gacttcattc tggctgnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnatac 300

tccaggccta cctagccttc caggacntcc gagacgaggc tccantcccc tacaagcgct 360

ccntggagga gggtagtgtg gtgntgaaca ccntntntcc atnatccacc agcccntcca 420

accctcccat cacaggcccc aacantntga gttacaccag ttcagccctn tccccctaca 480

tgacgantcc aaaggcccca cgcctggcta tgatgccaga cagntaaaca gcctgtatac 540

ataagtaaa 549

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gagacaaatg acaaagaaaa tgatgctatg agtacaccac ttccaagcac atctgcagcc 120

ataacantaa attgccacac atgtgcttat atgaatgatg atgcaaaatg tctccgtgga 180

gaaggagtat gcaccactca aaactcccag cagtgcatgt taaagaagat ctttgaaggt 240

ggaaaactcc agttcatggt tcaagggtgt gagaacatgt gcccatctat gaacctcttn 300

tctcatggaa caagaatgca aattatgtgc tgtcggaatg aacntntntg caacaaggtn 360

tagatncccg tgccctantt cttgntntga nttaggcagg ttcaccantn tacttggctc 420

aatttatgtt caanttcaac aactaatcac atcgggntnt gcctgatcac cagataagaa 480

gctcaaacct tgtctttatt gataccccat tgcctat 517

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<211> 343
<212> DNA
<213> Mus musculus

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caggaacagt ttcagatgat aatcatttcc ctgaaagagg agttctactc caaagctgat 120

gcactgatag gcgtctaccc agagcacaat gagtgcatgt tcagccatgt gttgactctg 180

gacctttcca agtatccaga caccgaagac caagaaggca gcaggagcca ccggaagccc 240

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tcttgaacag ccaccagcta tagaagcttt accctgaccc tgt 343

<210> 4999
<211> 45
<212> DNA
<213> Mus musculus

<400> 4999
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<210> 5000
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<212> DNA
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agctgccatg agcgagcgcc tccgccccag aaaaaggaga agaaatggca gtgatgatga 120

caaccaccct cctccccaga ccaaaaggag cagtaggaac cccatcttcc aggactcctg 180

ggacacagag tcttcaagca gcgacagtgg tgggagcagc agcagcagca gcatcaacag 240

cccagacagg gccagtgggc cagagagcag cctgagccac accatccccg gatcctgccc 300

cagcaccccc cagccgatgc ctgagcagtc tgcactatgc caaggccctt acttccacat 360

caaccagacc ctgaaggagg ctcactttca tagcctacag caccgaggcc ggccgccgac 420

atgatgctcc tccggcagtt tcttnccttc tgtgaaggga cagcactgtg cagattggat 480

atttca 486

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<211> 346
<212> DNA
<213> Mus musculus

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gggccgacaa gatacctctc gcatgtccac ctcacagatt cccggtcggg tggcttccag 120

tggtcttcag tctgtcgtgc accgatgaga actctccttt ttgctgtgaa gggcagacaa 180

tgcatggctg atctactctg ttaccaatgg ctttactagt gacacgcccc ccggtctaaa 240

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caaaacacaa actaaatgga caggctccaa gagctgccat cgccag 346

<210> 5002
<211> 498
<212> DNA
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<223> n is a, c, g, or t

<220>
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<222> (371)..(371)
<223> n is a, c, g, or t

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gcctcaaacg aggagatcag ctactttctg ttaatggagt gagtgttgaa ggggagcacc 120

atgagaaagc ggtagagcta ctgaaagcag cccaagggaa ggttaaatta gtcgtacggt 180

acacaccaaa agtcttggaa gaaatggagt cccgctttga gaaaatgaga tcagcaaaac 240

gcagacaaca gacctaatca tttaaaaact ttgtgttcct tttgctttta gctaggaaag 300

ttttacttgt gacctactga tggcctccac gccagtgatt gtaaaacacc agaaacttcg 360

gtgacctcnt ntcttgccat tttataaatg cctgttttag catcacttat ggttatagag 420

aagcatacac tgtttttctc acgagaaaaa gtcagagttg gtgaggacag ttctgtcctg 480

ctgtttttac aggccttt 498

<210> 5003
<211> 538
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tgccttgaag gggctctgaa aatcaaggag attacttata tgcattcgga aggcatcctt 120

gctggtgagc tcaagcacgg ccctctggcc ttggtggaca agttgatgcc tgtcatcatg 180

atcatcatgc gagaccacac ttatgccaag tgccagaacg ctcttcagca ggtggttgca 240

cggcaggggc gtccagtcgt gatctgtgat aaggaggata ctgagaccat taagaataca 300

aaaaggacaa tcaaggtgcc ccactcagtg gacntnnctt gcagggcatt ctcagtgtga 360

ttcccctgca gctgctggct ttccacctgg ctntgctgag aggctacgat gttgattttc 420

cacggaatct tnccaaatct gtaacagtag agtaacagac acctgaaact taagacagtt 480

aagcaacacg agataccttt tgtatttaaa tttttgattt aaactattgc ctcctgaa 538

<210> 5004

<211> 539
<212> DNA
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caagggagcg ctaccagcag ggcaatggcg gagtaactga acggaccaga ctcctctctg 120

aggnttacag aagaattaga aaaggtaaag caagaaatgg aagagaaggg cagcagcatg 180

acggacggca ctcctttggt gaagattaag cagagcttaa ccaagctgaa gcaagaaact 240

gttcagatgg acattagaat cggtgtggtg gagcacacgc tacttcagtc aaaactcaag 300

gagaagtgca acatgaccag ggacatgcat gcagctgtca ccccagagtc agcaattggc 360

ttctattaaa cacgtgggct tccatgcttc tgattatttc gtttttatat caaatgattt 420

tttaatgttg cattgatttc caaacacaat ttatacttct tcaagcatat tcagtgggta 480

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<212> DNA
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tgttactcca gctaggcctg tcaatttttt tggccaaggg cccacacctc agtaacactg 180

attgacctaa atatgctaaa gagatgggag gnacaattat ntccttaatg agagaatgta 240

ttttccttgg ccgnaantct gtgggctcta gtcacctgtg gggccttcac cttgtgntct 300

gcntanttcc tggagttcta agttccaaaa cgcatntgtt tnttttcccc atcttttgaa 360

tantngccaa nntntgggnt ccntcccccc accattgatg tactgggctn tnttgcttta 420

tttgtatccc cntnttntgc ttntgccatg gggctgcttg ggagcctcca ttactaaact 480

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<212> DNA
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agaaaagaag aagaaattgc atcaagaaag aacagtattg tcaactcaca gaaatgcctt 120

taagaaaata atggagaagc tgacctcaga ttatgatacc cttaaaaggc aacttcaaga 180

caatgagaca catgctcagc ttacaaattt ggagaggaag tggcagcacc tggagcaaaa 240

taacttcgta atgaaagagt tcatagcaac caagagtcaa gagagtgatt accagccggt 300

gattaaaaat gtgatgaagc agattgcaga gtataataaa accatcatgg atgctctaca 360

taatgccagc agaagctgaa actgagccga ctgagtctac aagcatcct 409

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<211> 507
<212> DNA
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cgaagacctc gaagtggact ggagcctgtt tgatgggttt gccgatggct tgggagtggc 120

cgaagccatc tcctacgtgg atcctcagtt cctcacctac atggctctgg aagagcgtct 180

ggcccaggca atggagacgg ccctggcaca cttggagtct ctcgccgttg atgtcgaagt 240

ggccaaccca ccagcaagca aggagagcat tgatgccctt cctgagatcc tggtcaccga 300

agatcatggt gcagtgggcc aggaaatgtg ctgtcctatc tgctgcagcg aatatgtgaa 360

gggggaggtg gcaactgagc taccatgcca ccactatttc cacaagccct gcgtgtccat 420

ctggcttcag aagtctggca cctgcccagt gtgccgctgc atgttccctc ccccggctct 480

aaaagccaag gctcgtcgta acagtca 507

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<213> Mus musculus

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tcctcctccg accacgacct gctgaagtgc aacatggatc aacctgactg tattcagcta 180

ttgccctgtc gccagggcat ctatcacttt caggcacagg gtggatcctt ctggtcaata 240

acatcctttg gcaccttccg cccttgggga aaatttgccc tcaacttctg catagaacta 300

caggggagca gcttgctcac ggtgctggca cccaatggct tctacctccg agccgaccgg 360

agtggcacac tattggcaga cagtgaagaa attaccaaag aatgtatctg ggaattttag 420

gtcaatggga tntcacctgc caaactntca ntcctccagg aacaacctnt gaactaaaca 480

gggcaggagc cccagagtca cgatccacga ggaggctgtg tgctgtgcga tttttcctac 540

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<213> Mus musculus

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gcggagcaga accgcaagga caagatgcgg ttcctcttca acatgtacga ccaggacggc 180

gatgggatca ttaccctgca ggagtaccgc cgggtggtgg agagcctgct gtcggcgcac 240

ccgcaagtgg agagagacac tgtgcgctcc gtcgccaatg ccatcgccca gggncgcctt 300

gaaggaggcg gccagggcnt cggaccagcc gctgatggcg ggccancagt atgagggcat 360

caccttcgag ganttcntca aganctggaa gagcctncga attggaggtg aagatngcaa 420

ntcagcttnc ctgaatctnn naagccacgn tnttatgcca gtgaccggcg ggctgccaca 480

cccacactgg agaagctgcc ccttgaatcc ggcagantnt tgcagcagct acagggtaca 540

tgggacttga t 551

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agtcaggatg aatatgccta caggatggaa catatcatga gttcctggag ggagaaggta 180

aattttccaa ccgtgtattc catgaggctt cagctgcgta gaaccatatg caagaaattt 240

gaggagagtc tcgatatttg ccccttttcag gagagccatg gtctgaataa taccttcacc 300

tgcctgttta ctgtcggtac ntatccctgg ataacaaaat tcaagntntt caggagtgtg 360

tgntcatagt ttntntgatg ggagtcaccc atggantggt cacgtanttn tntgcatccg 420

tgaaggggtt acccttggca gaacntctgt gntcatttc cttgttttgc agcattgtgc 480

agtatcaaga ctggatatgt ggataataat gaggggaaag tgtacattgc tgttgtttca 540

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ttcagcccgt ctgcccgncc ctcggcgggc caggtggcgc gcaatggctg gctgcgggcc 180

ggggactccg gctaggagcc ggggttctcg ctgttcccgc cgcaccaggc acagagccag 240

ggcggcgnac gcgcgaaggg cgagcnttcg ggaaacccgc gaagtcgccg cgcgccacnt 300

gcgcacgcgn ccntgtccct tccccttccc ccacggcggc ggccntntga ggcctgntgt 360

tgggttntga ttcctcctgc acaaactgat tgctggagag cgcatgcgcn tcctcgattt 420

ctggcgagaa ggccccggga ggggcgcaaa gagaagagag agaagcattg cgcctgcgca 480

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gctaagttcc aggttg 556

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ctatgcagtc accaaggccc accctgccct ggtatgtgct gtcctgcact ctgaggtcgt 180

ggtagccctc atgctgcagt attacgtgct ctatgagacc gtggcacctt ctgacatcat 240

gggagcaggg gttgtgttgg gcagcattgc catcattact gcccagaacc tcagttgtga 300

taaggaaggg caaacggngg aatgaaatna nacttgaggg ggggaggggg gacaggggta 360

aataggagag atgngaataa aaaccatggg agaacaaatg cctnncaaag aantggtgtg 420

gaggaccagt gagatagctc agcagataga ggctaatgct accaagcctg atntatatgg 480

tagatggaga gaaccgantc ctacagatta ttntntntat acattcgctg tggcgtgctt 540

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cccaagtact ggaattatac acacaagcta ccacacctag ctatacatca tctttgtcta 120

tttctgccct tgctgggtca tgggccttgg gcagatgcca aagatccaag gggtggtagg 180

gccagctagg caggccacct ggagtgggcc aggagcgctt taccctctct aatcgcctcc 240

acctgagaag tgcatcacct gaagtggtag gagagtgcgc gtacaanggg gccactgtgg 300

gccttctact tcatccaccc cgcccttcca cagacccaag cccacccttt catagcctgt 360

gtgctcaccc aggagcttct agatgggagg cttagagcca accaaacccg tcactcccct 420

gtgtccactc cctgccccat gcagagctcc caccacccca tcccaggtcc ggtggctgcc 480

agctggagcg aaaggggtct ctggttgccc cgaatgcagc tctcaaactg gtcttgtact 540

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gggcccagnt gtgggtcccg taggcaagga caaggacaaa gcactgccca gcttctggat 180

tccctcacta acgcccgagg caaaggccan caagctggaa aagccgctgg acgactctgt 240

ggaccgcgtg ggactcatca cacgcagtga gcgctacgtt tgcgcagtga cccgagacag 300

tctgagcaat ngccacgccg ntgcngcagt gctgcgtccc tctggggctg tggtcaccct 360

ggagtgtgtn gagaaactgn atccggaagg acatggtgga ccccgtgaat ggggncacgc 420

tgacagagcg cgacatcatc gtgctgcagc ggggcggcac cggctttgcg ggctccggag 480

tgaagctaca ggcagaaatg tctcggccag tgatgcaggc   520

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tgttctttat aaaatgtata aacccttcca aactatttaa agaggagtgt tattgcatgc 180

agataatcat aattttgagt ttgcctcaga agactactaa agcaaatttg ttcatttttt 240

tttaaaaaaa tgccctttaa tgtttcaaaa aaaaataaca gtgtaatttg actgacttta 300

agatcagcca taaataatga gcagtcttca aaagcacttt tcacacagat catctgggct 360

ccagggagga agagtctgtg ccactgatgt tttcaagtgc aggactcact caaacctctc 420

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<223> n is a, c, g, or t

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ctagaaataa cactaaagga aaagcatcag caagaactcc aatctttaaa aattgagtat 180

gaatgtaaac ttgatgctct agtaaaagac agtgaagaaa atgtaaataa aattttaaaa 240

ttgaaagaaa atttagtatc ccttgaagag gctttacaaa ataaagacaa tgaattcact 300

tcgattaaac atgaaaagga tgctanttgt ctgtgtncag caagaaaagg atcagaagtt 360

gttagagatn gnnaagataa tncatactca acattgtgaa attaaagaac tgaancantc 420

acgagagatg gcattagaag acctgnaaaa nctncatgat gaaaaaatcg antcattgag 480

agctgaattt cagtgcttag aacnaaatca cctgaaggaa ttagaggaca cactgcacat 540

caggcacaca caggagtttg agaaagttat gacagaccac aata 584

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<212> DNA
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actgcgccta tttcaccacc attgcaaggc caactatgga cagcaagaag aacctggaga 180

tttggggtat caagtgccga ctgactctgc aaaagcccag ttgtctatga agtgcttacc 240

gcagagcggt gtttccntct ggaacganga aancanncag caagtccgca tgctggagac 300

cttgnttant cttcctattg gctttncctt agccttcact ttatatntat gttagggaac 360

catttgcgag ggggacancc acgaagtgtt antttttnaa aactatagag ccgattctnt 420

ncagtgctgt gccctaaggg cctaagcggc nagntctttg gagattttag gagagcctat 480

gatttcagca tgctttt 497

<210> 5018
<211> 240
<212> DNA
<213> Mus musculus

<400> 5018
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tgatttcata gtggagccaa cgttttctct cctgacggac tcaacagaga aaattgtcat 120

tcctcttata gaggaagctt caaagtcaca gtcttcaaac tacggggcaa gcagctcgtc 180

caccatgatt gggttccatg ttgctgactc tctgaggcgg tcaaatacaa aaggctccgt 240

<210> 5019
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcggggccgc caccccgatt ggagcgcgct acggctctgc gctcccaggg agccggcggt 120

gtgacgtcaa cactgcggga ggacatgttg gaagagggaa cgcgctctct cnggcagata 180

cgggggtcct cagcagacat cttaagtctt ggcagggccc tcccccaccg ccctcccttt 240

cctttcccac gctctctgta aagccacgtg tttgagcggt tcgctgtttg tttccctgag 300

accctccccg taaacggtaa ctgagtcagt tgttctgtat actctgagac tagatatacc 360

agataccgcc gagtttgaaa ctgtagcaat tgattgccac tgtctgagcc tctgggccaa 420

atactgtcgc agtattaccg agcattaagt gcttcagtgt tacgaatttt ntccaaacta 480

cctaagtaat tttctagaaa catcaccatg gtgacgacta tgcaggtcca gatt 534

<210> 5020
<211> 577
<212> DNA
<213> Mus musculus

<220>
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<222> (256)..(256)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
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<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

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cccggatgga gccagaatcc atagaaattt gtccttataa ccctcaccac cgaatcccgc 120

tcagcaggtt ccagtaccac ctggcgtcat gcaggaagaa gaaccccaag aaagccaaaa 180

agatggccag ctgtaaatac aacgcctgcc acgtggttcc catcagaaag ctggctgaac 240

atgaagctac ctgtgncnac aggagctccg tggaggaaga ggacacatta ggccctctgc 300

aagtcagcct cccacagccg cagaaccagg acacactaca ggttngttgg ctttccaacc 360

ctgacatttg gaatgttgac ggcgccaact gtcacccaat nttngtcctt aagagttttg 420

ttccccaaaa anttgtttgt gaaagtgaca tccaagagtc acggggagga gaccaatgcc 480

cagaagatcc tcagactagg accaggaagg caaacttcta gcaggaggaa gagggctctc 540

aaatgcgtgg atggatcgcg catctcatct gaataaa 577

<210> 5021
<211> 368
<212> DNA
<213> Mus musculus

<220>
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<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
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<222> (175)..(175)
<223> n is a, c, g, or t

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<222> (190)..(190)
<223> n is a, c, g, or t

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<222> (195)..(195)
<223> n is a, c, g, or t

<220>
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<222> (222)..(222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

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gcctgtccgt tctgcgccac gcagctggtt ggtgaacaga actgcatcaa attgattttc 120

caaggtccag tggactgaca ccctggacgg ccnatctcca cgncattaac acgtnactgt 180

gaagattccn ccacnaactg tagattctac ctttttgtaa tnctgtttgt taaggggaag 240

gcggactggg ttgggaaatg ggggctggtg acgaaatgtg ncaggcgctg acagatacca 300

ctgtgttttg catgctcaga acagcagcat cagcatcgtc actgaggtct gcctgattaa 360

actttaat 368

<210> 5022
<211> 536
<212> DNA
<213> Mus musculus

<220>
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<222> (221)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<220>
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<222> (294)..(294)
<223> n is a, c, g, or t

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<222> (302)..(302)
<223> n is a, c, g, or t

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<222> (308)..(308)
<223> n is a, c, g, or t

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<222> (324)..(324)
<223> n is a, c, g, or t

<220>
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<222> (338)..(338)
<223> n is a, c, g, or t

<220>
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<222> (378)..(378)
<223> n is a, c, g, or t

<220>
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<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

<220>
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<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (499)..(499)
<223> n is a, c, g, or t

<400> 5022
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tgggtcagga gaggttcctc tgctcggaga tgttcttcaa gccatctcta atcaagtcca 120

tgcagctggg cctccacacc cagacagtgt cctgccttaa caaatgtgac atagcactca 180

aacgagacct catggggaac atcctgctct gtgggggcag nactatgctc aggggtttcc 240

ctaaccgtct gcagaaggag ctgagcagca tgtgccccaa ngacaccccc cagntcaatg 300

tnctgccnga gagagacact gcantctgga ctggtggntc tatcctggcc tcactccagg 360

gctttcaacc actgtggntc catcgcctgg agtacgagga acatggncct ttnttcntnt 420

acagaaggtg cttctgagca gacacagcat gctcaccgtg gtggcaatgc cagctttact 480

gtgtgagggc tgaaccttnt acaagtggtg ttgagttggc atgttcattt ctgtag 536

<210> 5023
<211> 383
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<400> 5023
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atgctataag ttcgccttaa gatttcaatt cttggataat caggctccaa ttgcacttta 120

tattttagca aatacagtct cttagtcact aggctttgca ttcgtatgta gccgtatatt 180

tctgtccatt ttctcaaaca gaaacatgta tgttaagtga agatggcatt tctttcttgt 240

atagtacttg tattttcttt cgccgatgca gccctgtctc aatttttcaa cctttgctgt 300

taaatncaat actttataaa gaatgaacaa aattactgga agcagtattn tcagtaatgg 360

agtagtattc accagtttta tct 383

<210> 5024
<211> 557
<212> DNA
<213> Mus musculus

<220>
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<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<220>
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<222> (463)..(463)
<223> n is a, c, g, or t

<220>
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<222> (465)..(465)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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tcatggccag gtggagagag agagaaagag aaagagaaaa agactacccc ctgggagtcc 120

aacacctctg cagaaagggc aagtgggtaa atgtaatcaa tgtttccatt ttatgttgat 180

tagaaagaaa aatcatggcg cctgcccaaa ctcaacactg tcagcgccag aacacaatga 240

cactaagaac aaccttggaa gctatatact acatgggaag aagaaactaa ctgtacttct 300

cagcctttga gtatagattt acactttatt accnaggtat aaatnttcat atttccacca 360

gtaggggaaa aaaggaccca cacaaattca aaataacaaa aaaccatact aaaaccacag 420

acttcataga cctaaggaac cacttattta taanccaact ggntntttgc agtttgttta 480

aatcatatat atattnttcc aattcactta aaactgttac ttaaaactaa cacttccctg 540

cagagtaaat ttgtcaa 557

<210> 5025
<211> 367
<212> DNA
<213> Mus musculus

<220>
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<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

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<222> (35)..(35)
<223> n is a, c, g, or t

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<222> (65)..(65)
<223> n is a, c, g, or t

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<222> (110)..(110)
<223> n is a, c, g, or t

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<222> (119)..(119)
<223> n is a, c, g, or t

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<222> (122)..(122)
<223> n is a, c, g, or t

<220>
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<222> (158)..(158)
<223> n is a, c, g, or t

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<222> (162)..(162)
<223> n is a, c, g, or t

<220>
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<222> (172)..(172)
<223> n is a, c, g, or t

<220>
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<222> (178)..(178)
<223> n is a, c, g, or t

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<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

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<222> (219)..(219)
<223> n is a, c, g, or t

<220>
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<222> (222)..(222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
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<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
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<222> (322)..(322)
<223> n is a, c, g, or t

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gagangatga tggacaacta gagaagctcc ctgaagtttc agctaaggcn gcagagaang 120

gntacagtgt aggagatctt cttcaggagg tcatgaantt tnccaaagaa angacaantg 180

gatgaanccg tgggcaacat ggctagaaag cagctgntng antggcttnt cgntaacntg 240

taagctgaga attccttnga ntcccntcca tccntcntcc cccccagcag caattccacc 300

ccagctggag ccaccctcac cntcaggctg gtgaactgca caattgggat cacatttacc 360

aatacat 367

<210> 5026
<211> 275
<212> DNA

<213> Mus musculus

<400> 5026
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taagtcattg tgccggataa aatcaatctc atctcagaat atttttgact tgaaaattgt 120

ttcttctctg tctactttgc aaccaaatgc aatcagtgtg ccttgaatta tttagcttat 180

tattaattaa gttaaactag ggctgtagaa tagttaaggc caagtgaagc acaacgctat 240

gatttaaagc gctttttaga cccagcgctc cttta 275

<210> 5027
<211> 489
<212> DNA
<213> Mus musculus

<400> 5027
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cccaccgatc tggggaaact gaggacactt tcatcgcaga cctggtggtg gggctctgca 120

ctgggcagat caagactggt gccccttgcc gatccgagcg cctggccaag tacaatcaga 180

tcctcagaat tgaggaagag ctgggcagca aagccaagtt tgctggcagg tccttcagga 240

acccccctggc caaataaagc atggaccgga gatccctgga gccaccagct gctaggtcct 300

ctatccctga tgtcatccca gcagctcaag gccagcccag tgcgtgcccc tcccatgtca 360

ctgcttcctt aggcatccac acctgaccac cagaatccct gctggagacc cagttttgca 420

atcatgtgat tggtctgaat cattgtttct gtcacctgac ttcccagcta gtgtctggag 480

ccctcggaa 489

<210> 5028
<211> 567
<212> DNA
<213> Mus musculus

<400> 5028
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actttgacca agacactggt gctggtgccc ctactggcta acaacagaga aagaagaggc 120

atcgcgctgg atgggaagat caagcatgag gacacaaacc tggcctccag caccatcatc 180

aaggagggca tcgaccggac cgtcatgggg atcctggtgt cataccatat caaggtgaag 240

ctcacggtgt cgggctttct aggagagctc acatccagtg aagtggctac cgaggtgccg 300

ttccgcctca tgcacccgca gcctgaggat ccagcaaaag aaagtgttca ggatgaaaat 360

ttggtttttg aagagtttgc tcgccaaaat ctgaaagata ctggagagaa cacagaaggg 420

aagaaagatg aggatgctgg ccaggatgag tgaagactta gcctagatgc ctagaaactg 480

cttgtagttc cgggtgcctt gagggaagcc cccggtagac tctcaaagtt atgctagata 540

tcaaagcatg agcattcctc ccagaaa 567

<210> 5029
<211> 509
<212> DNA
<213> Mus musculus

<400> 5029
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tccccccagc aagagatttc ggaaggaaaa gaagcaactg ggctctggac tgttaggaaa 120

cagctatata aaagaaccga tggcacagca ggacagtggg cagaacacaa gtgtccagcc 180

tatgccatcc ccccccttgg cctctgtggc ttctgtcgct gattcctcca caagggtgga 240

ctctcccagc catgaactgg tgaccagctc tctgtgcagc ccttctccat ccctgcttct 300

ccagacaccc caggctcagt ctctccggca gtgtatttat aagaccagtg tggccacaca 360

gtgcgacccg gaggagatca tcgtgctttc agactctgat tagcaggccc catgctcccc 420

gtgctccctg catccagaag gttttttgta tggctgttgg aagatgatgg agtaaaagat 480

ggacagagct cctcccgttt tgatggtgt 509

<210> 5030
<211> 156
<212> DNA
<213> Mus musculus

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<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<400> 5030
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caccctntcc tcgatgcagc ttgcgcctgt ttgggagggg tgagaacact tcagaagcac 120

cgtgtctgaa ccgttgcttg tggatttagt agttga 156

<210> 5031
<211> 509
<212> DNA
<213> Mus musculus

<400> 5031
gccaacattt cccatgccag aaaaggggaa gtgatttaca gagtccagat tgtggatctc 60

agtcagattc tggaaggaat caacgtgtca aagaggaagg agctgcactg gcctgatgaa 120

ggaattcggt taaaagctgg gaggaacagc tggaaagact ggagtccaca ggagggcatg 180

gaaggccatg tggttcaccg atgggtgcct tgcagcagag acccaagtac aaggtcccac 240

atcgacaaga cagtgcttct cgttcagatc gatgataaat acgtgactat aattgaaacc 300

ggggtactag aactgggggc cgaagtgtga gcctgcgctg catacctggg ttcctttctc 360

tggcttccca gccctcggag agaaagcaag gttgcagaag agccacctgt ggggaccgac 420

cgcctgccct tcgcagcaaa gacttgacca gtggcttggt taagctcctc tccaccctga 480

ctcctgtcac tgtcttcatc cccaaataa 509

<210> 5032
<211> 418
<212> DNA
<213> Mus musculus

<400> 5032
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atggagtccc ctttaaggct ccaggatgac tgctgaacaa ttcctgaaca ggcttcccaa 120

gtgtataatc cgacaaggcg aggtgattga catccggggc cccatcaggg acaccttgca 180

gaactgctgc ccaatgcctg cccggatcca ggagatcata gtggagacac ctgccttggc 240

ttttgagcgg cagaggagcc aggagtcacc tgacatgcca atgcctttgc tctccatgct 300

tcgcatcaag tccgagaacg gagagcaggc cttcctgctg atgatgtggc ctgaggatac 360

cattggcgac gtgcggaaac ttttagcaca ggccagggac atggattcag ctgccttt 418

<210> 5033
<211> 401
<212> DNA
<213> Mus musculus

<400> 5033
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ttgctcagca cccaggccct tacgcctgac tccgtgggag gaaatgaaca agcgtttccc 120

ggtgattcca caaggaaccc ccagccagca cagaggccag accagcaagt agggcccagg 180

tccaggaagg agtctctcag ggactgtaga ggcgacagca gtgagaaatt agctgttgag 240

tcttagcctc ccggtttgta agatgtgtac agttccaggc tactcatagg tgttcgtgtg 300

agaaggcggg agtagctgca ctctactgaa gcgtgtgttt actgctcaga tgctctacct 360

ggtctgtgtt ggtgtaacta aagctggttg tcatcgactg a 401

<210> 5034
<211> 493
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (444)..(444)
<223> n is a, c, g, or t

<220>
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<222> (446)..(446)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<400> 5034
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tctccaaaga gagtggcaat tattgtgtgc catgttttga gaaggagttt gctcattact 120

gcaacttctg taagaaggtg ataacttccg gtgggataac cttccgtgat cagatatggc 180

ataaagagtg ttttctgtgc agcggctgca ggaaagagct ttatgaggag gcatttatgt 240

caaaggatga tttcccattc tgcctggatt gctacaacca tctttatgct aaaaagtgtg 300

cagcctgcac caaacccatc actggcctca gaggtnccaa gttnatctgn tttcaagacc 360

gccagtggca cagtgagtgc ttcaactgcg gaaagtgntc gntntccttg gtgggtgaag 420

gattcttgac ccataacatg gaantnttat nccgcaagtg tggntccggg gcagacactg 480

acgcttagaa aga 493

<210> 5035
<211> 431
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<400> 5035
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cttacattta aaatcagaat atttttctta acacttccta atcagtaaat caacatttga 120

tgtggtaatt aacaggtacc aaaatttaa atttgtatgt ggaatcctta gagttaaaga 180

tagtttttat attttggttt ttataaaccg ttaaggttga tctaatgatt gtgttttagt 240

ttttattaaa actcactaca gtatcaataa accaacagtc tttcttgtgt tcttttgtac 300

tctgttattt gcttgtgttt tatgcttaga aacataccat taatttttc aaacaggcac 360

ttntaaacct tacctaaatt aaatgggtta gaaaccaagg aaaataaatt tcaatgttta 420

cactgtttgt t 431

<210> 5036
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<400> 5036
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cctcgaagac agaggaccag tgagagccgt gacttatgtc acatgacaaa cgggattgac 120

gactgtgatg atcaaccacc gaaagaaaag agatccaagt ccgccaagaa gaagaagcgc 180

tccaaggcca agcaggagag ggaggcatcc cctgtcgagt ttgccatcga tcccaatgag 240

cccacctact gcttgtgtaa ccaagtgtcc tacggggaga tgataggctg tgacaatgaa 300

cagtgtccca ttgaatggtt tcacttttca tgtntttcac tcacctataa acccaagggg 360

aaatggtatt gcccaaagtg taggggagac aatgagaaaa ccatggacaa aagtaccgaa 420

aagacaaaaa aggagagaag agcgaggtag tgaaggccat cggttttaaa g 471

<210> 5037
<211> 505
<212> DNA
<213> Mus musculus

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<222> (418)..(418)
<223> n is a, c, g, or t

<220>
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<222> (434)..(434)
<223> n is a, c, g, or t

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ggagtacgaa ggaaacctgt atggaaccaa gatcgactct attctcgagg ttgtccagac 180

tgggcggact tgcattttgg acgtcaaccc acaagcactg aaagtgttaa ggacttctga 240

attcatgcct tatgtggtgt ttattgctgc tccagagcta gagaccttgc gtgccatgca 300

caaggctgtg gtggatgcgg gaatcaccac caagcttttg acggactctg acttgaagaa 360

aacagtggat gaaagtgccc gaattcagag agcatacaac cactactttg atttgatnat 420

cgtaaatgac aatntagaca aagcctttga gaaactacaa actgccattg agaaactgag 480

gatggagcca cagtgggtcc caatt 505

<210> 5038
<211> 464
<212> DNA
<213> Mus musculus

<220>
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<222> (146)..(146)
<223> n is a, c, g, or t

<400> 5038
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cctaggactt ggagcaaggg gaaccatgtt gaatgaactg actcatgtag ccatctccca 120

ccctcttagc tgtgcctcgc tttgtnggtt acgcttgccc tgagtgacca agctaggagc 180

tttgggcctg cggggaagag ccagtctgat tctgagagcc cgcaagctct ctctcctgga 240

caggatttat gctgctgtcc cctctcctcc cagtgacagg ttttcacacg gccccttccc 300

tgttcaagca gaacaggtgg ctggtttcaa ggcggtttcc tgcactgaag gcccgagctt 360

ccctttccac cccaagactg atgtagctgt gtggggtcag caggggctgc aggagaggga 420

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<210> 5039
<211> 471
<212> DNA
<213> Mus musculus

<220>
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<222> (266)..(266)
<223> n is a, c, g, or t

<220>
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<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

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<222> (342)..(342)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (362)..(362)
<223> n is a, c, g, or t

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<222> (369)..(369)
<223> n is a, c, g, or t

<220>
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<222> (396)..(396)
<223> n is a, c, g, or t

<220>
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<222> (442)..(442)
<223> n is a, c, g, or t

<220>
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<222> (445)..(445)
<223> n is a, c, g, or t

<400> 5039
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cagcatggac agagcccttc cactgtattc gagcacaccg tgttgtacgt cactgtggag 120

ccgtgcatca tgtgtgctgc cgccctgcgc cttatgaaaa tcccgctggt cgtctatggc 180

tgtcagaacg aacggtttgg tggttgcggt tccgtcctaa acattgcctc tgctgaccta 240

cccaatactg gaagaccgtt tcagtncatc cctgggtacc gagctgagga ggctgtggag 300

ctcctaaaga ccttctacna acaggagaac ccaaatgcnc cnaaatcnaa agttcggaan 360

anaggattnt cagaaatcct gattctgtaa tgatcnacgt ctagtacagt ttggagacct 420

ggacagaatt cctgaccgag anccnctgac gtcgctggtc acgtttatat g 471

<210> 5040
<211> 439
<212> DNA
<213> Mus musculus

<220>
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<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<400> 5040
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ggggctcacc tacaaccctc tgcatgttgg gagccacttg tactcacatc tgagcagcgc 120

ccatgccaag cctcagggac ggctctacac aagctgcgca agccggggcc ttagaaaggg 180

gggtcagctg cagaccaaca gagttcgagc cgcagtggtt cccctcccag tggctcctgc 240

cccacgtaga gctctgaaga tgacagcagc cagcaaagca tcctcagcag ccttcctgcc 300

ttcggattcg gaggagggag aggaggagcg tccttctcac acctaagtcc ccggtgccag 360

cacacagcca tgcactcacc cgatggctnt ctgggggcag atctgcctgn tcccaacctg 420

tgcctgtaaa tgagctccg 439

<210> 5041
<211> 406
<212> DNA
<213> Mus musculus

<400> 5041
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gctgctggac aacccatgtg cggatgagac cgactaccgc caggaggccc tggtgcagat 120

ggcgcacctt gagcgcctgg acaaagaatt ctatgaggat gatgaccggg cagaggccga 180

ggagatccgt cagaggctga aggaggaaca ggatcaagat ctcgatccgg accaggacat 240

ggaaccgtac ttgccaccag tttagtggct cttccagcct gcagggacag taaaggaagc 300

catggacact ggccccaaga actgataaga ctccagtggg ggaccaccac attcatagcc 360

ccgtcacagg aagtgggaga tgctcctttt tgtcccagac tggaaa 406

<210> 5042
<211> 386
<212> DNA
<213> Mus musculus

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<222> (101)..(101)
<223> n is a, c, g, or t

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<222> (316)..(316)
<223> n is a, c, g, or t

<220>
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<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

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<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttctcgttcc tgttgttgct gtcgctgtcg ttgttgctgt nactgtcgtt gctgtcgttg 120

ttgctgtagt cgttctcgtc gttttcgtag cagaactaca ttaagggtga gagatcccaa 180

gttctttcag attacggaga agggggagca atcacttcaa agaagaatta ggagacaatt 240

gacgcggagc caactggagc tgatcgaacc ggaaccgacc atggctttgg agccaagcga 300

gattacagtg gcattnttnt ntcataagaa tnccaatgtn tntngatcca gaggaagttc 360

caccatgcct tgacagtgac ccattt 386

<210> 5043
<211> 476
<212> DNA
<213> Mus musculus

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<222> (32)..(32)
<223> n is a, c, g, or t

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<222> (37)..(37)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (86)..(86)
<223> n is a, c, g, or t

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<222> (88)..(88)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (151)..(151)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

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tgggganctct ggactacttg cccccngnaa ntgatagcnc agaaaccgta caatgagatg 120

gttgatctgt ggtgcattgg ggtgctctgc ntatgagctg ctggtgggga agccaccctt 180

tgagagcagc acctccagtg agacatanag acgcatccgc caggtggatt ttaagtttcc 240

ttcatcagtn cctgcaggag cccaggactt gatctccaag cttcttaggt accatccttc 300

agagcggctg agcctggccc angtcctgaa gcacccctgg gtcagggaac actctcgaag 360

ggtgctncct ngctntgttc aggggncttc ctgagccctg tccatctcta tccctatgta 420

tttcttcagg aaggtctcca ggctctgttt gttagtgcat gtggttcgct tgtttt 476

<210> 5044
<211> 574
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

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agactgagga gacagtggag gaagagagag cagcagatga ggaagagagg agaaagactg 120

aagctctgag cgagatcgag gttctgaggg aggcccagga gcccagtggt cccctcatgc 180

tgtcttcaga gctctcccta gaagcagcag aagatganaa gtctcgtact agcctcatcc 240

ccccagaatg gtgggcctgg tctgaggagg ggcagcccga gccccctgca ctgcccatgc 300

tgcctgaact tcctgaagtg cccatggaga tgcccccaag gcctgaactc tcttcagagg 360

ctgtgctcag ggcagtagca ctgaaactgc aggccaacaa ggagctggac ttcagcagcc 420

tggtgccccc tctcagcccc cgaaagttgg cttctcgggt cttctatctg ctcttggtgc 480

tgtccacaca gaagatcctt cttgtggaac aacagaagcc atatgggccc ctcctgattc 540

gtcctggacc caaattcccc tgagcaagtt catt 574

<210> 5045
<211> 553
<212> DNA
<213> Mus musculus

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<222> (67)..(67)
<223> n is a, c, g, or t

<220>
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<222> (253)..(254)
<223> n is a, c, g, or t

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<222> (269)..(269)
<223> n is a, c, g, or t

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<222> (327)..(327)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (402)..(402)
<223> n is a, c, g, or t

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<222> (414)..(414)
<223> n is a, c, g, or t

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<222> (469)..(469)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttatgnact gcagcgaatg tgggaaagcc tttagtcagc tatcttgcct tattgtccac 120

cagagaattc atagtggaga tctcccttat gtgtgtaatg agtgtgggaa ggccttcact 180

tgtagctcat acctactcat tcatcaaaga atccataatg gggaaaagcc ttattcgtgt 240

aatgagtgtg ggnnggcctt cagacagang tcgagcctca ctgtccacca gcgaacccac 300

acaggagaga agccctatga atgtgcnaag tgtggtgcag cttttatttc tnactcacac 360

ctcatgagac ntcacagaac ccntcttgtt gaatagcaag gnaagagtac gatnccctgc 420

ttttgggtca taacctactg ctcctaatag taggcacttc tgttctttnt tcttcctttt 480

gacnaaatga ggactatacc ctttaaagtt atttttctgg aaggtaatgt aaacacacat 540

tcagaggcta att 553

<210> 5046

<211> 307
<212> DNA
<213> Mus musculus

<220>
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<222> (91)..(91)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

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<222> (153)..(153)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (214)..(214)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (240)..(240)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cagagcagga tgcctctggg aggcaggaga ntctggctcc gaggccagct tctgagacag 120

agccacaggg agacaagcaa cnccgagagg atnctgagct tgtgaaagga gcagttctgg 180

atccctttna accaaaagcc acaatagagc tgcntccgnc tttacatcaa gctgtgcccn 240

catcagatgg tncactctca cctgtagatg ttactgcaga tgaggcgaca ggtgtggctg 300

cagatga 307

<210> 5047
<211> 541
<212> DNA
<213> Mus musculus

<400> 5047
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cgcagaagga taagtttatg cttcaagcca aagtgtctga actgaagaac aacatgaaga 120

ctctgctgca gcagaaccaa cagctcaagc tggatctccg ccgcggtgca gccaagaaga 180

aagagccaaa aggtgagtcc aactcatcca gtcctgcaac acccatcaag ataccagatt 240

gccctgtccc agcctcattg ctagaggagc tgctgaggcc cccacccgct gtgagcaagg 300

aacccctcaa gaatctcaac aactgtttgc agcagctcaa gcaggaaatg gacagtctcc 360

agcgccagat ggaggagcat accatcactg tgcatgagtc cctgtcctcg tgggctcagg 420

tggaagctgc cccagcagag catgcccatc cccggggaga cacaaaactg cataatcaaa 480

acagtgttcc cagagacggg gctgggccat atgaccactg ttgtcctcat cacacaagta 540

t 541

<210> 5048
<211> 543
<212> DNA
<213> Mus musculus

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<222> (389)..(389)
<223> n is a, c, g, or t

<220>
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<222> (480)..(480)
<223> n is a, c, g, or t

<220>
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<222> (512)..(512)
<223> n is a, c, g, or t

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agctcagtgt cccagctaga attgaaaagc ctgatatcca agtcagtcag ccgagaaaag 120

caagaaaagg gaagggctaa cctggcccag ctgggagcct tgtaccagtc ctcctgggac 180

agccagtttg tgagtggcgg ggaggagtgc ttcctcatca gtcagttttg ttgtgaggtc 240

aggaaggacg agcatgcgga gaaggagaac acctacacca gctatttgga caagtttttt 300

agcaggaagg aggattccga aatgctagaa actgagccag tggaggaagg gaagcgtggg 360

gagagaggcc gtgaggcagg gcttctganc ggcggtgggg agttcctcct gagcaagcag 420

ctggagtcca taggcacccc gcagttccac agcccagtgg ggtccccact caagtccatn 480

caggccacct tgacaccttc cgctatgaaa tnttcccctc aaatccctca caagacatac 540

agc 543

<210> 5049
<211> 538
<212> DNA
<213> Mus musculus

<220>
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<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (466)..(466)
<223> n is a, c, g, or t

<400> 5049

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aggtacggtg ttttggatac gaacatagag aacatnggaa ttgacacctt tangagcnaa 120

gacgatgagg atgatgacaa cacattgttt gatgccaatc atcctagaag atgagtatgt 180

gcctttcatg agaagatttc catatttcta ctgaagaaca gagtttctat gtctaaggaa 240

taagaagcca ctctatcaag gggaggggaa tttaagttac atacattatg tcaaccttta 300

atttgttgat actcaatcca tagtgcatca tttggttaca actttgtata tttggaactg 360

ctgtatttat tagtgtgctc tgtgttatta gggacaaact ntactatgct ggattttctg 420

tttgaaaatt attttaaaac tgttttntgc agagcttttg tccctntctt ttaccatatt 480

attgtaactt ggctttcttt attaatccat tgttgttgct ttcgttttgt cagtgtca 538

<210> 5050
<211> 515
<212> DNA
<213> Mus musculus

<400> 5050
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gagacagtgg aatcagatga tgacaaagat gagcgggcat ctaagattcg cagagtggag 120

ccaggagaag cagccaagaa gaagaagtag agaattgtga ctcctgagat gtgtcgttga 180

gtggagtgtt tgcttttgtg cgttactatg acagacatct ccatgaacgt atttatgtta 240

acgaactaat gagtgtcgcc tcaagacttt ccactgtaga attcactttt tttatttaaa 300

acctgtacgt atttacaact ctaatggtga cctgtgattg tgaactgaca gtacttggaa 360

gcattctggt tatcacaaaa ttggtgacag gctttgagag tttgtcacat ggacatgcca 420

atgttctatg aacctttat aaaggaatat atttttaaag taaatatatt gtattgtact 480

gtgaacttgt gggtgctttt cattagtatc tgtac 515

<210> 5051
<211> 254
<212> DNA
<213> Mus musculus

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<222> (33)..(33)
<223> n is a, c, g, or t

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<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

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gacatcatgg ccaagaaaat gcaaaggcga agaagacaga aaagaacccg ctcccagaga 120

ggtgagcttc ctcttagcct tgtagatcgt ttcctacgag aggaantcca ttccagtcgc 180

ctgagntctt ccgcacttnc attcctcacg agtgtgctcg agtacttaac atcgaacatc 240

ctcgaactgg ctgg 254

<210> 5052
<211> 262
<212> DNA
<213> Mus musculus

<400> 5052
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gcttcgacca ctactggtaa agaagatcca gtggcaccta tacgtgtcaa accagctgga 120

aagcatgtat gcggccctct acttcttccc gggtttgacc gtgctgcaag cagttgcagg 180

aggcctccta tattatgcct tcccatacat tgtgttggtg gcatctttgg ctaatctggc 240

tgtttatctg gtttttgcca aa 262

<210> 5053
<211> 193
<212> DNA
<213> Mus musculus

<220>
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<222> (87)..(87)
<223> n is a, c, g, or t

<400> 5053
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attgtccaca tggaactgca ggaggcngat ggggactgtc acctccaggc tgtcgtgctt 120

cacctggctc ggcgcagtgt ctgtgttcat ccccagaacc gcagcctggc tcggtggtta 180

gaacgccaag gga 193

<210> 5054
<211> 484
<212> DNA
<213> Mus musculus

<220>
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<222> (156)..(156)
<223> n is a, c, g, or t

<400> 5054
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aagacagcaa gcatatattc ctactagtgt taccagtaat ccattcacgc tttctcatgg 120

aagtcctaac cacacagcag tacatgccca tctggnctgg aagtacacac ctcggaggac 180

agcctactct gcttccatac ccatcatcag cctccctcag tagtgctgca cccgtggccc 240

acctcctagc ctctccgtgt acctcaagac ctatgttaca gcatccaact tacaatatct 300

cccatcccag tggcatagtt caccaagtcc cagtgggcat aaaccccccgc ctgttaccat 360

ccccaaccat tcatcagact cagtacaaac caatcttccc tccacattct tacattgcag 420

catcacctgc gtatactgga tttccattga gtccaacaaa actcagccag tatccatata 480

tgtg 484

<210> 5055
<211> 303
<212> DNA
<213> Mus musculus

<400> 5055
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cctttgaatg taatcaatgt ggtaaggcct ttaaacagat tgaaggcctt acccaacacc 120

agagagttca cacaggggag aaaccctatg agtgtgttga atgtgggaaa gcctttagtc 180

agaagtcaca cctcatcgta caccagagaa ctcatacagg ggagaaaccc tttgaatgtt 240

atgagtgtgg aaaagccttc aatgcaaaat cacaacttgt tattcatcag agatcccaca 300

ctg 303

<210> 5056

<211> 303
<212> DNA
<213> Mus musculus

<400> 5056
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gaaacggatg agacaccaca catggaaaag tctaaagggc cagtgtcctt attatccttg 120

tggagtaaca gaataaacac tgccaattcc agaaagcacc aggagtttgc tgggcgtttg 180

aactctgtca ataacagagc agagctgtat caacacctta aggaggaaaa tgggatggag 240

acaacagaaa atgggaaagc cagccgccag tgaagagtga cttgagaaac caaatttaga 300

ata 303

<210> 5057
<211> 505
<212> DNA
<213> Mus musculus

<220>
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<222> (139)..(141)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (345)..(345)

<223> n is a, c, g, or t

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<222> (356)..(356)
<223> n is a, c, g, or t

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<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

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ccttaaggag gaaaatggnn nggaggttgg actgantggn aggaccccga actgcnnatc 180

cctttcttaa antgcccacg ttctcctgtt gtgaatagga tggagacaac agaaaatggg 240

aaagccagcc gccagtgaag agtgacttga gaaaccaaat ttagaatatt gtgaaaaata 300

ttttgggcag aatttgatat aagtactttt acagcaagat ngtanagcta tgttgnctgg 360

actggttttt tacattttta gagaatttcn atgaattatc ttttttgtac taattctgag 420

attggcagag tcnaaatata tacattggag atttgccctc ccagaccaca cagtttattt 480

tatggtaaaa ggtgttccct ctgga 505

<210> 5058
<211> 510
<212> DNA
<213> Mus musculus

<400> 5058
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ggtttggcct tcaccaaccg tcgactgtcc accactgtcc tacgtgcctt ctctaagcca 120

ccctgccccc agccaccctg caaggagcct atcctagctg cccaagctgt cccaaggagc 180

tccaagggac ccccattgcc accacctcct cccctacccc agtctctgac cgcctcaccg 240

cctccttcac ccgagcccct tcctcaaagc ccactagaga catgctatcg agatctgaag 300

gggtgcccta tattctggat ggaaaaagac atctgatggc tctgtctctc tgggacactg 360

gattgcccag aacagagcca gcctcagccc acaggccata cttcagcccc cacaaccccc 420

tgtggacaac cttaccctgt gtatctttca tgggtcccag caggccaggg ggtggctttg 480

gagctctggc tcagagctgt cagtgtggct 510

<210> 5059
<211> 320
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

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tcttgctgga atttgaggca aacgttaaca ttttaacaag aaatggggag tcncccattt 120

acatgtacct tcagcgcagt tccaacatca gagacagatc gcttctggcc agactacttt 180

accgcactta tcctttaaga ctgagcaata aacaggggat tctaccagca ggaatcatgc 240

tgccagaata ccagctccta agggaaaccc tagtaaagtt atcaaaaaaa cctttaaccc 300

tcgaggccat ctgtaagaga 320

<210> 5060
<211> 522
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (183)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
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<222> (381)..(381)
<223> n is a, c, g, or t

<220>
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<222> (386)..(386)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<400> 5060
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gtgaacacac agatgtgcag tgagcgggcc agcctggccc aggtggtacg gcaggagttt 120

gcagagcagc tggcagcctc ccaggaggag acccagaggg tgaaagtgga gctcgcagag 180

ctnnaggccc gccagcaggt ggagctagac gaggtgcacc ggagggtgaa gacggctcta 240

gcgaggaagg aggcagccgt gaacagtctc cgcaaacagc atgaggctgc tgtgaagcgg 300

gcggaccacc tagaggaact gctggagcaa cacaaaggnt catctctgag ttctaagtga 360

catcgccctt gggatgacga nccaancctg aggctgacac tcantcctgc ggctggtgtc 420

caggtcacgn tccaagacac agggctaagg gtaggacagc agctggtgtg tgagaggcac 480

catggagccc agtgcccggg acgttactgt cagcatgcct gc 522

<210> 5061
<211> 339
<212> DNA
<213> Mus musculus

<400> 5061
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ccttaagaga tggactccgt gcggtcaaaa atgctattga agacggctgt gtggttccag 120

gggctggggc agtggaagtt gcgatagcag aagctcttgt taactacaag caccgtgtgc 180

agggaagagt tcgcctgggg atccaagcct ttgctgatgc cttgctcatc atcccgaagg 240

ttcttgctca gaattctggt tatgacctgc aggaaacact gataaaaatt caaactaaac 300

atgccgaatc aaaagaactc ctgggcatag acctgaaca 339

<210> 5062
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (233)..(233)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (273)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

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<222> (282)..(282)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (349)..(349)
<223> n is a, c, g, or t

<220>
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<222> (351)..(351)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (387)..(387)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (439)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<400> 5062
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aactcaggac gggttgtccc aggctatggc catgcagtac tgaggaagac tgaccctcgc 120

tattcctgtc agcgagagtt tgctctgaaa catctgccta aggatcccat gttcaagctg 180

gttggtcagc tgtacaagat tgtacccgat atcctcttag agcaagggaa ggntaagaac 240

ccttggccca acgtagacgn tcacagtggg ntnntgntcc antactacgg catgagggag 300

atgaattact acacagtcct nttcggagtg tcgcgggcac tgggcgttnt ntcccagctc 360

atctnggagc agagccctag gcttccntnt ggaaaggccc aagtccatga gcacggatgc 420

tntgatgaag tttgtgaant ntgagtcagg ataaaatggg agacgggggg ngggggggga 480

cgactgccca taagaaaacg aggataaa 508

<210> 5063
<211> 325
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<400> 5063
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cgacctgcca tggccctgcg ctatggggag caggctctgc tcattgacaa aaggaacgcc 120

aaggccctct tcaggtgtgg ancaggcttg cctcctccta actgagtatg agcgggcccg 180

ggattttcta gtgcgagctc agaaagagca gccctgcaac catgacatca ataatgagct 240

gaaaaagctg tccagccact acagggacta tgtggacaga gagagagaga tgtgtcaccg 300

catgtttgct ccctgtggaa gcaga 325

<210> 5064
<211> 439
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<400> 5064
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cgtgtaaaca gtgtggcaag tcttttacta ggggctcaac tcttagagta catcagagaa 120

ttcatactgg agaaaaaccn tacaaatgta gtgaatgtga caaatcattt acccaggcct 180

cacaacttag aacacatcag agagttcata ctggagagaa accttatgta tgtaaggaat 240

gtggcaaatc acttactaca tgtgcaattc ttagagcaca tcagaaaatt catactggag 300

aaaaacctta caaatgtatg gaatgtgaca gatcctatat ccaatactca catcttaaaa 360

gacatcagna agttcatact ggagagaaac ataaaattgt aaataatgtg acatagcatt 420

catccagtat tctctctgt 439

<210> 5065
<211> 445
<212> DNA
<213> Mus musculus

<400> 5065
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cccggtgtta gaagctagtg agaatggcct tctcctggtc ccgggttgtg agtgggcagt 120

gttccgattg gcacatcctg gagtcatcac tcaaattgaa attgatacga agtactttaa 180

aggcaactgt cccaacagct gcaaagtgga tgggtgcatc ctgaccacac tggaagagga 240

agacatgatc aggcataatt ggaatcttcc tgcccataag tggaagtcgt tgcttccagt 300

caccaagcta attcccaacc aaaatcactt gttggacagc ctgaccctgg agcttcagga 360

tgtcatcact catgccatga ttaccattgc ccctgatggc ggtgtcagcc gccttcggct 420

caagggtttc cctagttcca tctgt 445

<210> 5066
<211> 382
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

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atagtcccaa agaaaaagat cctgatatgt tttgtgatcc attcacttct tctaccacta 120

ccaataaaga ggctgaccca agcaattttg ctaacttcag tgcttatccc tctgaagaag 180

atatgattga atgggcnaaa agggaaagtg agcgggaaga agaacagagg cttgccagac 240

taaatcagca ggagcaagaa gacttggaac tggccattgc acttagcaaa tctgagatct 300

cagaagcatg aagagttatc tgtcctttgt cagcagtaca gtgctctctg gaacactgaa 360

gctatttacc atgtgcatca aa 382

<210> 5067
<211> 469
<212> DNA
<213> Mus musculus

<400> 5067
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gctagtgatg agctcaaaga gatgaggaaa aacctgacca aagaagccat cagggagcat 120

cagatggcca agactggtgg gacccagact gacttgttca cttgtggcaa atgtaaaaag 180

aagaactgca cttatacaca ggtgcaaact cgtagtgctg atgaaccaat gacaacattt 240

gttgtatgta atgaatgtgg aaatcggtgg aagttctgtt gagtttggaa gaattggcaa 300

agtatctgga ccattaagaa aaacttaatt ttgttaatta gctttaaaat taagccaggc 360

aactcgtttc cttgcaagtg aaatttgtaa acaacataca tctcatgggt tggtctttgt 420

tgttcacctg acagtcttgt cttaaatgcc ttctgtggtc tcagatcag 469

<210> 5068
<211> 303
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<400> 5068
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ttcaggagcg cctgctgccc tacctgccct ctggggagtc tctgccccag actgcagatg 120

agatccagaa cacattaacc tcgccccagt tccagcaggc cctgggtatg ttcagtgcgg 180

ccttggcctc aggacagctt ggccctctca tgtgccagtt cggccttcct gcagaggctg 240

ttgaggccgc caacaaaggt gatgtggnag catttgccaa agccatgcag aacaatgcca 300

aat 303

<210> 5069
<211> 482
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<400> 5069
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gatcacaggt cggtctgatt ttggttccaa agctagaatc aacagcagtt tggcgataat 120

gggagtctct cctcccatgg gctcagtcgt tgtggagaaa catcatccag tcacagtgca 180

aaccattcct caggcaactg ctgccaagta cccacggacc atccatcctg aaagcagcat 240

ctccgcttct aggtctctcg gagccaggcc gggccacgcc cagtctctct cagttcagtc 300

gataaaagtg gttgactaga ggggctgtgt tcacactcat ggctatgagt cctctgataa 360

ggactttcct gggagcagca agcttcttgg ttttgacttt tctgtactgt cagagcatca 420

tggacatatc atgtgcntnt tntcagaatt acaagagact tccccatcct ttgtaactgt 480

at 482

<210> 5070
<211> 497
<212> DNA
<213> Mus musculus

<400> 5070
ggacttcccc tatggtcaat atggttacgg gcaggacttg agtggcttcg gccagggctt 60

ctcggacccc agccagcagc cgccctccta tgggggcccc tctgtaccag gttcgggggg 120

tccccccgct ggcggcagtg gcttcggacg cgggcagaac cacaacgtgc agggcttcca 180

tccctaccgg cgctagccag gggcatggcg gcggggcagg caggattcgg gactggtgaa 240

cttgtgacaa tcacactcgg gacaaaataa atgaccactc gacctggggg gaggggcagc 300

ggaggccgca tctggactga ggttttaaat atatttcttt tctctgaccc atcagcacaa 360

taaaaacacg tcactggttc aacaacaggg tttaaaaaac gccttcagct ttaattcaga 420

atttcaggtt tctttttctt cttccttttt tttccttttt ttgagattat tttcttgagc 480

cttttgtttt atggtat 497

<210> 5071
<211> 366
<212> DNA
<213> Mus musculus

<400> 5071
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ccaaaatgag gagctcgggc tcaatgacat gaagacagag ggctatgagg cgggcctggc 120

cccacagcgg tagcagtggc cagctcactg gccagctaca gtgccactca cactgcaggg 180

ttatctgtta ctgtggggaa ctgacgagga gtgctcaagc cctcgtccat ggtgaagagg 240

ttaccacttg agttagaaat gtaagcaccc aagattagca gctgacggac gaggcagctg 300

cagccctact gtgctccttg accttctttt ggaggtttta aagtcggcgt gagaagaatc 360

ccagaa 366

<210> 5072
<211> 518
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<400> 5072
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atgagagcaa tgagacagac tatgtgccgc tgcccatcat cgactctgtg gagtgcaaca 120

agctgctggc cgccaagaac attaacctgc ggctcttcct gttccagata cagaagtaag 180

atggacccgg gcacctgagg agcagagggc tgcagtccgg tagtgctgtc ccacccatcc 240

ctggcttggc agcagcttca cacaactata tgatcatttt agcaaaggag gagaacaaac 300

agaatcaaac actgagaaag tctgcatgcg tgtgcaaccg ggtccctgcc tctggctcac 360

cttcctcccc tntncctccc acctcctgca ggcagccaga ggctgagctg atcacagtgg 420

agacagcact ctgggcgcct caggtacagg tggtgaggag ggcaagaagc cacccttatc 480

ccagctccca tcctcacatc gaggtggcac ggtggttc 518

<210> 5073
<211> 125
<212> DNA
<213> Mus musculus

<400> 5073
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ccggctggtt ctctgagccc tgtgtcggcc gggcttaagt cgcatctgcg taacgtgatt 120

tcttc 125

<210> 5074
<211> 469
<212> DNA
<213> Mus musculus

<400> 5074
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ctcagttgtc ttggaaatga agtgaaggca gatgaggttt taaaggtctt tttaactgca 120

ggagaggctt tcgttgtttg tttagcttag ccgtctagtg gtgtctcctg agttttatgg 180

gaaagggcta agtttgctct ctgtaatgta agcatgtgtc cattaagaac cacgtagctt 240

ctcaagctgt gaggactgac gggtaatgct cttctcagtc tgtctctgac ttggaggact 300

cttttaggaa ctaggagttc gtttgaagaa gcttttgtct gaagtcagca gtcgctacag 360

tttcacttca gtttctttct cttctataaa atacaaacca gttaatgttg tgaaaagcaa 420

ttgtgatgtg atgtgattgc aaagtaaata aagcctgcgg tggcctgcc 469

<210> 5075
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<400> 5075
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aagtgtggtg gagctacgat gccaggataa agaaggaaac ccagctccgg agtacatctg 120

gtttaaagat ggcacaagtt tgctagggaa tccaaaaggc ggcacacaca acaacagctc 180

gtacacaatg aacacgaagt ctggaattct gcaattcaac atgatttcca agatggacag 240

tggagagtat tactgcgaag cccggaactc tgtcggacac cgcaggtgcc ctgggaagcg 300

aatgcaagta gatgttctca acataagcgg catcatagca acggttgtgg tggtggcctt 360

cgtgatttct gtatgtgncc ttggcacatg ctatgctcag aggaaaggct acttttcaaa 420

agaaacttcc ttccagaagg gcagtcctgc atctaaagtc actacgatga gcgaaaatga 480

tttcaagcac acaaaatcct ttataattta aaagaattcc agttttgagc tgcaccaa 538

<210> 5076
<211> 489
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

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<222> (256)..(256)
<223> n is a, c, g, or t

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<222> (277)..(277)
<223> n is a, c, g, or t

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<222> (345)..(345)
<223> n is a, c, g, or t

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<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<400> 5076
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aatcgcccag agcaagccaa ggagcaacng ctatgacatt ctcaccatac tgcctaatga 120

aaacataaac agagatccag gaaatcccca agatgaagaa ttcttggact gtcacacaga 180

gaatgactat tatgtccgga aaattggcaa aatggaaaca tggctcnntg aacaagaagc 240

ccggggacan cttttntggg acagttccag ctccgantct gatgagcttg agaaagatga 300

gaggagacca caagcactgg tgaggaccaa gacagagaag atccntcttt atgatgactt 360

ttacgacagt gcttaagaaa gctagacgct accccaggta gtaacggcac agaatgcctt 420

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<210> 5077
<211> 528
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ctagaagagg ncctgaagaa gatattttta gcagcaaaga aaaagaaagc aagcgttcat 120

cttccacgaa ttggacatgc tacaaagggt tttaactggt atggtaccga acgacttatc 180

cggaaacatt tggctacacg aggcatccca acttacatat actactttcc cagaagtaag 240

gcccgccatt cacagcctgc atcctcctcc tcagcaccac tggttcccta gcaaccagcc 300

cagcattggg tccagttttc agcaaccagt tagattcttg ctcccagatt gactgttagt 360

tttcaggaaa caaggctatc tttggtcata ttctctgctc tggaatttct gggctagtct 420

ttcctgaatt ctaattttgt tgctctggaa gtgttaactg tgatccagta cctgtaatac 480

aggaacacac aatgtatatg gggaagccct ttggcttcag attgccta 528

<210> 5078
<211> 547
<212> DNA
<213> Mus musculus

<400> 5078
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ctgtgacacc atcacccctg acatgcgggc cttggcgaaa aacatgggct ggaggcagat 180

gttcctcacc aacaacatcc agctccagag gcagacccgc aagaagaagc aaagacagga 240

aaaccaggca gagaagcttg cttaggggat ggctgtttcc aacagcggag ccacagtggt 300

ccgaatctcc aggtccaaag ctcactctct cttaacaaca ggttctgccg attccagcat 360

cacttgaaaa ccagattttg cacacacatg caaatccacc tagtgccttg ctcaagcaac 420

cccctcctat tgcccaacca gggcccaagt actaagggct tcgagccagg aagtctctta 480

gactaccacc tccctgatcc ccttttgccc caccccccag gaaagaggca cttgtatatg 540

aactaac 547

<210> 5079
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<212> DNA
<213> Mus musculus

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<222> (270)..(270)
<223> n is a, c, g, or t

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<222> (287)..(287)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gagacttgga agaaaaggtg gagaagacag aaatgctcaa caggcgcctg gaatccctga 120

agcgccatca tgccgggctc gccttgtcct gcaaaggggt gaagcaaaag atcagggaag 180

ccaaaacttt cctcccctct tgacagccct tgacaggaca gttggcaaaa acttctgcaa 240

ccccagaaac tctcttactc tcttctgccn tctgattgtc cattctntgg aacttggggg 300

tgcaacttta ttttttggct gttttccagc tttcaaattc ctgctgaaca cttccagcta 360

gcagtagctc tacatgagct taagaaaaat atatntagag agtgcggtga ttaaactgac 420

ttctagtgaa aagcctttat agccaagtag ccccagtnta aaggagtgtt agaactgtct 480

nttgcctatg tctaaggatg gcttaaatga gtgggcaagg tacagaaaat ctctatgcac 540

tgatctgat 549

<210> 5080
<211> 489
<212> DNA
<213> Mus musculus

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<222> (64)..(64)
<223> n is a, c, g, or t

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<222> (248)..(248)
<223> n is a, c, g, or t

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<222> (451)..(451)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgccgaagt caccatccgg ccagaccaca agatcttagc cacagcaggc tgggaccatc 180

gcatccgtgt gtttcactgg aggacaatga aaccgttagc tgttctggct ttccacagcg 240

ctcctgtnta ctgcgtggcc tttgctgctg atggcttgct tgctgcgggg tccaaggacc 300

agcgtatcag catctggtca ctctacccct gcccatgact tagctgtggg acactgctat 360

tttactccag tcttgaccca gccctgtgga agatcttcaa gtccctctga ggacagcaaa 420

ttgtggccaa agatccctgg ggtccacttt ncttcgtgag gttntctgtt ccttttgtga 480

ctgtcattc 489

<210> 5081
<211> 364
<212> DNA
<213> Mus musculus

<400> 5081
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caggatgacc tcatgcttat taaactagct aagcctgcca ccttcaacca caaagtccag 120

gttcttccca tagccaccac taatgtccgg ccaggcactg tctgtacact ttcaggtttg 180

gactggagtc aagaaaacaa tggcaggcac cctgacttac ggcagaacct ggaagctccc 240

gtgatgacgg acaaagactg ccagaaaact caacaaggaa gcagccacag aaactcctta 300

tgtgtcagat ttgtgaaagt attcagccga atttttgggg aggttgctgt agctactgtc 360

attt 364

<210> 5082
<211> 250
<212> DNA
<213> Mus musculus

<400> 5082
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ggtggagaag aagaaaacgg gcttgctgga tgaggaaaca ctatgccccg ggattttgga 120

aagggaccct gaattgcctc ccacaggctt tcgggatgtt cctatggaat ccccaccaga 180

tccgagaaaa ccgtgttttt cgacaacgta ttctgaagat ttcactccac agtatgaata 240

tccaccacct 250

<210> 5083
<211> 461
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<220>
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<222> (208)..(208)
<223> n is a, c, g, or t

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<222> (284)..(284)
<223> n is a, c, g, or t

<220>
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<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

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tgtggacgat cgtagcccca gcctggagga agggctgaat aaggaactgt tgaagaaact 120

gggcgaggga gtgtccactt tcagcatctt atccaccgac taccgaagct ccctcnctga 180

gtccaaatca aaagtggtgg cccatttnta tgtcaaatgc ctaacactag agcagctcca 240

ggcggtggag gctggggcac cacaagccaa ggaccatggg ctanaggtct tgggcctggt 300

gcgggtaccc ctgtacacct tgcgggatgg tgtgggaggc ctgcctgctt ttntggagaa 360

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ggntcccgaa actgcctcag acctcaagga acgaacagtt c 461

<210> 5084
<211> 285
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<400> 5084
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tccctgtttt ggagcgctgc tagaatacag tgttagcaat ggtgtctaca cagggtgtga 120

tctgcctcct gaactccagg ctctccaaaa gtgagcnctc cagtccactt cctaaaaggt 180

aaagcaccgt ggaggaaaga gtgtggctcc acgtgttcac cttaagcagg ctgtggctag 240

acagctgtgc caggacctgt ggacatggtg gagtctgcta caaca 285

<210> 5085

<211> 562
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<400> 5085
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gaacctgacc tatgcccagc ttttcttcat caactatgcc caggtgtggt gtgggtccta 120

taggccggag ttcgccgtcc agtccatcaa gacggacgtc cacagtcctc ttaagtacag 180

ggtgctgggc tcactacaga acctgccagg cttctctgag gcattccact gcccacgagg 240

cagccccatg caccccatga agcgatgtcg catctggtag ccaaggctga gctatgctgc 300

ggcccacgcc ccgccaccca gaggcttcgc gaatggtgta gctggcagag atgtgcaggt 360

ctttgcctga aggccaccgg agccaccagc cagccctccg cgcccagcct agagtgtanc 420

cacccgccca cacccgggat gagtggtgcc ggtcctgcgc cccctcaggc cagtgagggt 480

cagcagccca ggaagagcag tcagctgcct tccaccctct ccatagtgtg tggctaaatg 540

ttctcgagct tcagacttga gc 562

<210> 5086
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

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ccccagaatt ccataccttg aggtcacagc tctgggagcg gaacctgcgg atacggcaga 120

tggagatgga ctatgagaag agtcggagac ggcaggaaca ggaggaaaag ctgcttatca 180

gtgcctggta cagcatgggc atggccttgg agcatcgggc tggggaagag cacgctcctg 240

cccatgccca gtccttcttg gcacagcaaa gactggccac caatgctcgc cgtggacccc 300

tgggncgcca ggctctgagc ctccgcccca ctgacaagca ctgacaagac ctcgacttcc 360

tgctgcctgc tggagtcttc cagtttacat ttacccagct gggcctttga ccttgattga 420

gcctgacttc tgccctttgc ttccttagat gggagagaag gggacaggca ggtagcaggt 480

gtggaactat tccttttagc aatgtga 507

<210> 5087
<211> 523
<212> DNA
<213> Mus musculus

<400> 5087
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ggaactgcct acattcatgg aatcaaacac gccacgggga actatgtgat catcatggat 120

gctgacctct cccaccatcc caaatttatt cctgaattta tcaggaaaca aaaggagggt 180

aattttgata ttgtctctgg aactcgatac aaggggaatg ggggtgttta tggatgggat 240

ttgaaaagaa agataatcag ccgtggggcc aattttataa ctcaaattct gctgagacct 300

ggagcgtcag acttaacagg aagcttcaga ttataccgaa aagaagttct acagaaatta 360

atagaaaaat gtgtctccaa aggctatgtc tttcagatgg aaatgattgt tcgagcaaga 420

cagatgaatt acactattgg tgaggttcca atttcatttg tggatcgagt ttatggtgaa 480

tccaagttgg gaggaaatga aatagtctcg ttcctgaaag ggt 523

<210> 5088
<211> 547
<212> DNA
<213> Mus musculus

<220>
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<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

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<222> (111)..(111)
<223> n is a, c, g, or t

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<222> (116)..(117)
<223> n is a, c, g, or t

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<222> (120)..(120)
<223> n is a, c, g, or t

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<222> (141)..(141)
<223> n is a, c, g, or t

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<222> (182)..(182)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<400> 5088
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agggtcaagg tcancagtat gggggctata gaccaacaca gncagganca ncccanncan 120

ccccagcaga ggccttatgg ngtacgacca gggacagtat ggaaattacc agcagtgaaa 180

antgtcctta cattccaata gccagtacct attagcagnc acgttgtcac agcactgcac 240

catggacacc cccctgggaa gactccttcc attccagcta ggtttttggg aaaacctttg 300

gctaagtggc tgcttcgnca gcaagtagct gttatggttt agtttgtaaa ggcttcgtag 360

ctaccgatgc acctgatttc acgtttctac tctagatggc aacattggac agaaaatgca 420

ttgacgtgag gagtttgcag cggtttcaga actgtgctgc aaatggactg tcacagcctg 480

aaaggtgtga gcagctgggt gtgtgttcgc ggagcttcag ggggtttcat acttttccac 540

cgattat 547

<210> 5089
<211> 524
<212> DNA
<213> Mus musculus

<400> 5089
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aatagagtgg ccacattggt tcccagtgtc ctgaagccac cagtcagagc tctaacatac 120

tgcagcacac ggaaaggcaa gagaaagacg gtaaagtcgg tcgtgcatcg cttcctccga 180

cttcattctg gcctttggct aaggagaaag gctggctata agaaaaaatt atggaaaaag 240

tcaactgcaa gaaagaagcg cttgagggaa tttgtgttct gcagcaagac ccagagtaaa 300

ctcctggata aaatgacgac atctttctgg aagaggcgca actggtacgc tggcgatcct 360

taccagatgt accacgatcg aacaaaccta cgagtatagt tcagagctat catagttccc 420

agctatggaa tgtgggtctt tgtgtacata atgcccttgc aaagtgagta tgcgttaaac 480

tgtaaactgt accagctgat cggcaagctt agattaccac catt 524

<210> 5090
<211> 561
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

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<222> (447)..(447)
<223> n is a, c, g, or t

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<222> (449)..(449)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

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<222> (484)..(484)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (512)..(512)
<223> n is a, c, g, or t

<400> 5090
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tggtagctgc agatgctgtt caaaaaagat tatattttaa ccaataattt acagattaaa 120

ttctatcgca tgagacatca ttacaaatct tgtaagaagt atcaggatga atatggtgtt 180

tcttctgtca ttccaaactt taagatttct caagattcag taaggagcag taataggagt 240

gaaacatctg catctgataa cacagaaact tatcaagagg atacaagttc ttctgggcat 300

cctaccttta agtgtccctt atgtcaagag tcaaatttca ccagacaacg tttattggat 360

cactgtaata gtaaccacct atttcagata gttcctgtga atnttcagct agatgaggaa 420

ancccaatat caaactgctg tggaagnant nttttcaagt aaacatgtga catgtataga 480

catntctgcc tccttgcaac ctacaagtgc cntctttaag gagaagacat gaagtcacca 540

ttttcagtaa tttgctgtgc a 561

<210> 5091
<211> 532
<212> DNA
<213> Mus musculus

<400> 5091
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tagacttttg catgtatata tacacatata tatctttgcc tagagtttgt caggttatgt 180

atagaatttc tattaaaaag ttttaataat ggacaagcaa tataggattg aagtatttat 240

ctcctttgtt taaaattttg tatgttacca agtttttaaa acagtaagcc aaatactatg 300

tggtacagtt ggctgttatt acacctgaaa aatgttaaat ggtgctcact tgttacgttt 360

gaaaatgatg cataactgac gtgtggtgag agattttacc agctactgtt tcactacatt 420

ttagtcaaaa caaagtttgt tcttaatctt tggtataaag tgttgtagag aaggccaagt 480

cacaaagtaa agggtgaagg gggaattctg acattccaca ctaacataac ac 532

<210> 5092
<211> 577
<212> DNA
<213> Mus musculus

<220>
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<222> (436)..(436)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (551)..(551)
<223> n is a, c, g, or t

<400> 5092
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ttcagcaccg gcgccaagtc agggagcagc aggagagaca gcgagacgag cttctgtctc 120

gcaccttcac cactaacgac tctgacacca ccattcccat ggatgaatca ctgcagttta 180

actcctccct ccacaacatt caccacggca tggatgacct cattggaggc gggcacagta 240

ttctggaggg actgagggcc cagagactga ccttgaaggg gactcagaag aagatccttg 300

acattgctaa catgctcggc ttgtccaaca cagtgatgag gctgattgag aagcgggcct 360

tccaggacaa gtacttcatg atcggtggga tgctgctcac ttgtgcagtc atgttcctcg 420

tggtacagta cctgancatn gagccagctg tacccagcac tggacagcct tcccattgtg 480

tgcgcatgtg caagcaagaa gtgggctggg aggccctttt gaaatgtatg ccttaactgt 540

gaagacacct nctcccctca ggactaatcg tggctta 577

<210> 5093
<211> 399
<212> DNA
<213> Mus musculus

<400> 5093
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ttactccatt taggacggaa gaccaggaga aggacgcacc tgagcactga cgtgcagagt 120

gacagctgga ccaagggttg aaacctgtgc ttgcctcaga tcagctgata gctgtagtat 180

cttacaacca ttttaacatg gggccaagcc ttgggggct tgagatagag gggcagcctc 240

tgccctacca ttggttacgt tctggcacag ccctttccca gtccggcatc cttttcatag 300

ccctggatcc gttggaaggt ttacctaagt taactgcaaa aggcttgaac tgaaataggt 360

tgtgttgtcc acttagatgt tccccatttt ctggttcca 399

<210> 5094
<211> 561
<212> DNA
<213> Mus musculus

<400> 5094
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ggacctgaac gccctcaaaa ccaagttcca ggagctgcgg aagctcatcg gcaccatgcc 120

cggcatccac gtgagccccg agcagcagca gcagcagctc cacagcctcc gagagcaagt 180

gaggaccaag aacgagctgc tgcagaagta caagagcctc tgcatgtttg agatccccaa 240

ggactaggcc agcccccagg agagccgccg ccagacggaa agcatcacgc ggtgctccag 300

ctccttggga gccccgctca aaactgggag gccacattca gctggtgtgg ggcctcagtg 360

ctatctcagc cctgaccatg tcccagcaga tctacagggc acagagggag aggaaatagc 420

tgttcccttc tttccctcag ctcctcccac tcccgatagc atcagcatgg tatcaggtac 480

atactgttcc cattaacagc agtttcatga aacatttgca tagaattcac ggggtaaatt 540

aggcctgtac tcagatggca t 561

<210> 5095
<211> 387
<212> DNA
<213> Mus musculus

<220>
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<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
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<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<400> 5095
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aagcagctgg aaatgaatat taatggcaga gattaaaagt attccatgct cagtgttttt 120

attgtcctgc tccagctagt gtgcttttag agttttcgcc gcagactaca tttctagtgt 180

tagagaaacc tgctttttga ggctattgtc ctttgttcct tcatgtatna tattnatagt 240

ttttttttn aggattagtg tgatttttt tnttgcttct tttctatttc tttcttgttt 300

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tgcatcgtga tgtgattgct tggctat 387

<210> 5096
<211> 362
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
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<222> (71)..(76)
<223> n is a, c, g, or t

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<222> (79)..(80)
<223> n is a, c, g, or t

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<222> (82)..(83)
<223> n is a, c, g, or t

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<222> (86)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(107)
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gacctgagna nnnnnngann cnnccnnnnn gnnnnnnnnn nnnnnnntnn nnnncnannn 120

gtcggtctag ttttgatttt tccctccacg ctgatttcag cataaaccaa tgcttcttcc 180

ctctttgccc ttgacagcat ctgtggaacc ctccactctg tggaccagna cctcaatatc 240

aaactaaccg acatcagtgt cacagaccct gagaaatacc ctcacatgtt atcagtcaag 300

aactgcttca tcaggggctc agtcgtccgc tatgtgcagc tgccagcaga tgaggtggac 360

ac 362

<210> 5097
<211> 201
<212> DNA
<213> Mus musculus

<400> 5097
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aactcagtgc catgggattc ttgaaccgtg aagcaaacct gcaagctctg atagccacag 120

ggggcgacat caatgcagca atcgaaaggt tgctgggctc ccagccgtca tagcagcatc 180

tctctatcct gagaaaatgt a 201

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<211> 263
<212> DNA
<213> Mus musculus

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gaagcagctg gagcacaaac gcgccgtgga gaaactcatt gaagaacgcc ggagccagtt 120

cctcgcagac aaacaacgtg agctggagga attgcaacta cagcaaaggc ggcagggctg 180

catcaatgag attattgaag aagagaggct gagactcctc aaagaacatg ctgcaaagtt 240

actaggctat ctccccaaag gag 263

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<211> 279
<212> DNA
<213> Mus musculus

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taaaatttgc atttgacttc acagagaata agccacccat ctgcctgcca acctaaaaca 120

ttcctggtag gtagaagcta gacatgaagg taaagaaaaa gaaaagctgt taatacagga 180

aacagttgca tgtagtaaca ctaatagatt taaaaataat tcaacagtaa accactgaaa 240

aaccatatat actcaagatg ggcatctttt gtattaaga 279

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tgctccgcct cagcaagcct gctgacatca cagatgctgt gaagcccatc acncctgccc 120

acgaaggagt caaaactggg gagcacatgc ctagcctcag gctggggcag cattacaccc 180

acgaaatggc aaaagccaga tgatctccag tgtgtgttcc tcaagctcct gcctattaag 240

aactgtatag aaaaccacaa tgtgaaggtg acagatgtca tgctgtgtgc aggagagatg 300

agtggaggca aaaacatttg caagggtgan tccggaggcc cattnatctg tgatagtgtt 360

ntccaaggta tcacatcaac aggccctata ccatgcggta aacctggtgt accanccatg 420

tacaccaacc ttattaagtt caantcctgg ataaaagata ctatgacgaa aaattcctga 480

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ggttggcaga gcggtacaac acaaatttga gaggaaagat ggctctgagg tcaactggag 120

gggggtggtg ctagcccagg tgccaatcat gaaggatttg ttttacatta cctacaagaa 180

ggatccagct ctctatgctt atcagctcct ggatgactac aaggaaggta acctccacat 240

gattccagac actcctccgg ctgaggagan atcaggagat nacantnatn tgttgatngg 300

taactgggtg nagtacacca gaaaagatgg ttccaaaaag ttnggaaagg ttgtttacca 360

agttntagcc aatccttccg tgtactttat ca 392

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agggcagcac ggtgcagcag ttcctgaagc gggcgctgca gggcntgcgc agggacttcc 120

gggagctgcg ggcagcgggc gtggagcagc tcatgtacgt caaggaggat ctcatcctgc 180

cgcactatca caccttctac gacttcatcg tggccaaagc ccggggcaag agcggcccgc 240

tcttcagctt cgacgtgcac gacgatgtgc ggctgctgag cgatnccacg atggagaaag 300

atgagtcaca cncgngcaag gtggtnnttn ncagntggta cgagaagaac aagcacntnt 360

tccctgccan ccgctgggag ccctacgacc ccgagaagaa gtgggacagg tacaccatcc 420

ggtgatgcca a 431

<210> 5103
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tttcattcag tatgaagatt ttttcctctc aattttcttc agtaatgcaa aagaaaaacc 120

aaaaagtaac cagaagtgct ttttatttca aagttcttga agtaaaagag taaaactctt 180

gtcctttgct aacagccgtg tctgcagtaa aacaatgaag gagcctgcgt gtttcctaag 240

tgtggagagg atctgcggga atgtggaaca gctttccttg cctactggaa ccacaaacaa 300

gcacacaatg ggactntctg agnncctgac aaagtgaacg caagtacanc caagcacaca 360

tggtgaactg tcagggaaca caagcacttt atggcgtcaa ctttcaagga acatatttta 420

tatggatttt gaagantctt gtttgctgat aagaacttca agaagtntaa gcttggcttt 480

gattntcttg tattccttat attcctcaag caccggaaca cgat 524

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggtccattcg gagcataact gagttttgga agttcatgga aggacccctc atcgacggct 120

tgtactggga ctcgtggtat ggcancaaac agctgtacag tgtgaagaac agcagccgca 180

tctactacga gaacgttctt ctcggcatcc ccagagtgcg gcaactgcga gtccgaaaca 240

acacttgcaa ggtctaccca gctttccagt ccctggtcag cgactgctac agcaagtaca 300

cagtggaaaa cgaagacttc tctgattttg gcctcaaacg caatccagaa tggacgcaca 360

caccttcttc ccncactncc ccatgncact gggggtttgt tggcgtatac cgagatggag 420

gatatatagt cacgttntca aaatcaaaat ctgaaaccaa agccaaattt gttgaccttc 480

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atgctaatgt caacctgttt tgcatca 567

<210> 5105

<211> 486
<212> DNA
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<223> n is a, c, g, or t

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ggtggtggcg tttgtggtgg gtgttctcat cgtggtcctg accatctgtg ccaagagcct 180

ggcggtcaag gcggaagcca tgaagaaacg caagttctct taacggggag gaggaggatt 240

gtgggaagcc gagaccagag gttgcctcgt cggcactcgc ctgccctgca gagcccacat 300

ttggtggcgc aggagatgga agggnccgca agaggccccc gagaggcccc tccctcgtcg 360

gcagcagaaa caggcacagt tggaagactg gggggactta actgcctgta ttccatgtgc 420

tgtagcaacg gctaaagggt caagctctta gctctatgga gtgactaact gtttgggaaa 480

ccctca 486

<210> 5106
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cgaagttctt ggcaacccca gggttggaga cttagaatac ttttctgaac attttaaatg 120

cagctgtttt agcagaatga catgtaagga gacatctgat gtaaaaaatg tacaagacgt 180

gaatgtgtgc gtcggtgaca atgtttgtat aaaagccaag gtagaaccca acccagcctt 240

ctacctccta cctggcaaaa gccttctatt tatgacaaca cttggtcatg tgctgtaccn 300

tctgccacaa gatatttttg tttttccacg gaagacacta gtcagtactc cttagttttc 360

tctacccaca gcntttgang tattattatt attatttttg caggcctcag taattnggga 420

ttatgnatgg gattntattt taccaaagta attcaatttt tataatcaag attctatttt 480

tgagtttcaa agagaaatta tatattnttc taccaaagat tgattacaag caaggctact 540

tagggattag t 551

<210> 5107
<211> 570
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aagcagaaac agtccctgcg gcacgaggag ggccatgcca gacgacaggg gccgaccagc 120

ttgatggagc ttcccaaact gaggctgtcg ggaatgacca aactgtcatc atgttccagc 180

cctgcactgc ggtcagtgct gggcactgga gcaaatggaa aagtccctgt gctgagaccc 240

ctgaagtgtg ctgctgtgaa caagaagaca ganacgcaga aggacatcaa acctcacctg 300

aaacactatc acctgcccac gatcaacagg aaaggggggcg aatactgaac ggcccgccac 360

ccagtcgtcc tcttggagag caagggctgg caccatggca ggcgtaggcc tctgcggctg 420

agagtggatg ggccagaggc tgccccatgc tggtgctcct cgcactgcgt ggtggccagg 480

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agagcggctg cactgaatgt ttccgtttaa 570

<210> 5108
<211> 99
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<223> n is a, c, g, or t

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tgccagaggc tacacaagaa gattctggag ctggagcgc 99

<210> 5109
<211> 107
<212> DNA
<213> Mus musculus

<400> 5109
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aggaaattaa gaaggagccg gagaagccga tcgaccgcga gaagacc 107

<210> 5110
<211> 537

<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 5110
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accaacagca gcttgcgcaa acagaacctt gacctcctgg agcagttgca ggtggcaaat 120

gctaggatcc aaagccttga agccacggta gagaaacttc ttaccagcga gagtaagctg 180

aagcaggctg cgctgaccct ggaggtggag cgctccgccc tgctgcagat ggtggaggag 240

ctgcggaggc aaagcgcccg gcccagcact ccagagccag actgcaccca gctggagccc 300

acaggcgatt ganccgctgc cagnagagac tgtgcaccat taacactgtc caagccttaa 360

tcaagagaga tggaagtcag aggcagagaa gagagaactt ctcagggagg aaactggctg 420

accagcctgc agatcctttt gagctcagaa cttgggattg gaggacaaaa gtctcagagt 480

tattgttgtt tttggttcta atccntcccc tttccagtcc tggttgttgt agcttta 537

<210> 5111
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctgatgtgg atgagatcaa attccaggaa gatggttctt ggtgtcccat gagacctaaa 120

aaagaagcta tgaaagtaac cagccagccc tgtacaaaag tagaaagttc aagtgtcttt 180

agtaaacctt gttcagtgac tgtagccagt gatgcaagcn aagaagaaga tagatgttat 240

tgatctaaca atagagagct cttctgatga agaggaagac cctcccgcca aaaggaaatg 300

catctttatg tcagaaacac aaagcagtcc aaccaaaggg gttctcatgt atcagccntn 360

ttctgtaagg gtgcccagtg tgacttcagt tgatcctgct gctattccac cttcattaac 420

agactactca gtaccattcc accacacgcc agtgtcaagc atgtcatcag atttgccagg 480

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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angatgagct gccagcagag ttcaaactct atctaccagt tcagaacaag gccaaacaat 180

aactggatag cagctaaggg gacagactct ggatgtgagt cttagtttaa aaggaaacta 240

catggagacc atgcaaaaac attttaaaat aaatccactg tgctgtggct cgctgaccac 300

tgtgtccttg tcatggacac cagtgnccat gcacagttgt gttccttgca ttntaagtca 360

gtggagggaa gcagagcttt gagtgacaca cgagtgttgg ggtttcctgc tgcctnccct 420

ggcccgtgag agancgcacg caacaaacgg aagaattaga gacgtcctac aaggcagatt 480

cagaccaata tttcttcgta tagttt 506

<210> 5113
<211> 550
<212> DNA
<213> Mus musculus

<400> 5113
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agccttcttt gaatcctgga ggaagccagt cctcagatgt ggtacttttg aaccactgga 120

aagtgagaaa ttttgaagta cagcgtggtg acattgtgtc attggtgtct cctaaaaacc 180

cagaacagaa aatcattaag agagtgatcg ctcttgaagg agatattgta agaacaattg 240

gacacaaaaa ccggttggtc aaagtccccc gcggtcacat gtgggttgaa ggcgatcatc 300

atggacacag ttttgatagt aattcttttg gaccggtttc tctgggactc ctgcatgccc 360

atgccacaca tattttgtgg cctccagagc gctggcagag actggaatct gttcttcctc 420

cagagcgctg tccactccag actggtgaga aataactgca caagagccca ccataggagg 480

agctgaacac accagatgcc tccttctgga gggagatgtt ccagtgatgc tgaacacaag 540

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<222> (460)..(460)
<223> n is a, c, g, or t

<400> 5114
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gacagcacat cgcattacta acacatcagc acagataaca ggtcagcgtc ctgccccagc 120

ctcttcagct acagcgactc ctgttcactc gattccacag tacaagtatg ctgcaggagt 180

ccagaactcc cagcaacatc ttaatgccca gctggcgcaa cagcccgctg tttgcataca 240

gggtnnggaa ccttggactg cttccatgtt agtaaccgct cctcaagagc cgaagcaaat 300

gctgggtgaa aggctattcc ctntcatcca anccatgcac ccgantntgg ctggtaagat 360

cacgggcatg ttgctggaca ttgataactn ggaaccactt ngtatgcttg aatnctccag 420

tgtctncggt gttntagggc tgaggaancc gtggccacan tccaagccca ccaagttaaa 480

gaggctgccc agaaagctgt tggcagtacc t 511

<210> 5115
<211> 542
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
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<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (96)..(96)
<223> n is a, c, g, or t

<220>
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<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<400> 5115
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tgtataggga ctttgataaa tgcaantttn gctggntttt gccagaaaat tgcagaaggt 120

gcacatcagg gagaccctct ttccaggtac atcttcagga angngnctgg agagatgctg 180

ggcagacatg ttgtggcagt attgccagag attgacccgg ttttgttcca aggggagctt 240

ggcctcccca ttctgtgtgt gggctcagtg tggaagagct gggagctcct gaaggaaggc 300

tttctcctgg cgctgacgct gggccgagag cagcaggcac agaactcctt ctccagcttc 360

accctgatga agttgcggca ttcttctgca ttgggggggtg ccagcctggg ggccaggcac 420

attggatacc accttcccat ggactacagt atcaatgcca ttgccttcta ttcctatacc 480

ttctagagtc tgtccccctg cccaaccagc caacaccgag agctgggaga ctttcctttt 540

ta 542

<210> 5116
<211> 284
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<400> 5116
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ggccgggtcc aagagtggat ttagacacag cgcacgtnct tctgtcagtg gcagtcctgt 120

ctccagatgg ggttatatct caaccagctg ctgtccactc ctctgccaga gccaaaccta 180

acttggttgt acaacggaag cctggtccac agactctgcc agcaactgcc agcatctagt 240

tctgtagaaa gcctcctgag tctatgtcct gaggcaaagc aact 284

<210> 5117
<211> 525
<212> DNA
<213> Mus musculus

<400> 5117
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catgtgaaga atacctcaag aaataaagat gcaattttgt atacttacaa actttccagg 120

ggactcacag aagaaaagaa ctatggatta aaagctgcag aggcctcctc acttccgtca 180

tcgattgtct tggatgccag agacatcaca acacaaatta caaggcaaat tttgcaaaat 240

caaaggagtt cccctgagat ggatagacag agagctgtgt accatcttgc cacaaggctt 300

gtccaggccg cccgaaactc tcagttggag ccagacaggt tacggacata cctgagtaac 360

ctcaagaaga aatatgcagg ggactttccc agggctgtgg gccttccaga gaagactgag 420

gagtgaccag tacacggtgt gcacaggggt tgcaacttag ttgctcagct ttatgtttta 480

attaaaaatt atagtatatt aacctcagaa tggtcaccta ctatg 525

<210> 5118
<211> 416
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

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agagaccgga atcttcttca ggaggacaag gccctatggg aggaggaaaa ggccttgtgg 120

gtagaggaaa gagccctgct tgcagaagaa aaggctttgt gggaagataa gaagtccctc 180

tgggaggaag agaatgccct ctgggaggaa gaaaaagccc tctgggtgga aggtggtggt 240

ttccatntcc ttggggaaca gaggcaccaa aatgntccct annaatncca atgaaganc 300

acantcaaca tcnttccccc gggnccgtgc ttagtggaca actgaacaca gagggtgatg 360

gggtgcagac atcactggtt ggactgaaat ccagggtgac cccataatct agaaga 416

<210> 5119
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<400> 5119
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cggacactcc tacagcagct ggacgaccac caatgacccc acgagctact ttctgccttg 120

gacttcgtga ggcagtggct ccagggtcgc ctcagcatct gcctcagact ccttcgtctt 180

gtctggtcng tgtccacttt tcctaaagta acccaccccc aacacactac tgttagcacc 240

tctcaaggtt gcttttggtg ttcaagggtc ccctagttct cagactagtg cagtccttgc 300

cctcagcccc agaccagaga tgggcagtct ataccacggg gtgggtgatg ccagtagata 360

gtgtgagaag gggtctccag gaaagagaca ggctgcttgg acacagcctg ggtggccgag 420

ggcagggtcc tcaccctcta gcatcagtgc ctgctcttgc ctgacctggc cctggggctc 480

caccactact tcctctcccc tgggacccga tgtatgtgtt ctgtt 525

<210> 5120
<211> 561
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (480)..(480)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (509)..(509)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (520)..(520)
<223> n is a, c, g, or t

<400> 5120
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atgtcaaccg gcggctgcac attgatgaga tccttagcca ctcatggcta cagcccccca 120

agcccaaagc catgtcttct gcctccttca agagggaggg ggaaggcaag tatcgagctg 180

attgcaagtt ggatactcga ccaggctcca gacccgaaca ccggcctgac cacaagctgg 240

cgaccaaacc ccagcaacgg atgctggtga cacccgagaa tgaagacagg atggaagaca 300

ggctggctga ganttccaga gntaaagacc atcacatttc tggagctgag gtggagaaag 360

caagtaccta gtggtggaga gggccctggg ggtatcgtgg tgtgcantct gcacccacat 420

aagctaagta ggcaggtagg agctgaagaa ggcacaggtg caaggaacaa gtaaaattcn 480

tcaattaaac cactattttg attacgttnt attagctttn ttccacttag tagcaaagcc 540

attaattact gaccaccaaa t 561

<210> 5121
<211> 360
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<400> 5121
agagataact agctcctgtt tcgagcccaa cagccagatg gtgaagtgtg acccacgtca 60

tggcaaatac atggcctgct gcatgctcta ccgcggtgat gtggtaccca aggacgtgaa 120

tgtcgccatt gctgccatca agaccaagag aactattcag tttgttgact ggtgtcccac 180

aggtttcaag gtgggcatca actaccagcc acctactgtc gtgccaggag gggacctggc 240

caaagtccag cgagccgtgt gcatgctgag caacaccaca gcaatcgcag aggcctgggc 300

ccgccttgac cataagtttg acctcatnta cgccaagcgg gcctttgtac attggtatgt 360

<210> 5122
<211> 549
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (523)..(523)
<223> n is a, c, g, or t

<400> 5122
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accgggggaa agttgagtgt gacctggagg tatctcaaag gaaggaacca gatcactttc 120

ttatgttgct ggttgcaacc ccgtgtgggg cttnattacc gtaagtgaca gtcacaagat 180

atttaggaac actacaagct ttctgcatat ccagggacca aaacctcaga attcaacagg 240

ttctaggagc ttctggcagc tcttacccat gatgcaactg tgtgacttca ctgcagcctt 300

cctcagaaca caccatcacc acacacaggg cccagcctnc tctgctcagg gtcggcgttg 360

ttgtctatga caaattgcat ggctttctac agtacacatg ctttctgttc ttccggaagc 420

gttgctcacg gagctttcct gttctcgntc ttctagttca gctgcagact ctgttgtgtg 480

tctcagtggg attttgacca tcctcattac tccccttac agnaagtgtt ccacggcact 540

actgtgcaa 549

<210> 5123
<211> 340
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<400> 5123
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gagagttcaa catctgtggg cgttgccagg tggctcgata ctgtggctct cagtgccagc 120

agaaggactg gcctgcccac aagaagcact gtcgggagag gaagcgtccc ttccagcatg 180

agcttgagcc agagcgatga cgggctgaag agctgccact gctgcaggtt caaagtttcc 240

agctcctcat gagcacagcg gaagacagac tgtcagttga acctggaggt gccaaagaag 300

ccancaatgg atccagagca gctgccataa gacctcacag 340

<210> 5124
<211> 401
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<400> 5124
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gggggacaca gcatcccagg tgcggctgct gtggaaggat cctcgaaacg tgggctggaa 120

ggataaaaca tcctaccgct ggttcctgca gcaccggcct caagttggct acatcagggt 180

gcggttctat gagggtcctg agctagtagc tgacagcaat gtggtgttgg acacggccat 240

gcgtggtggc cgcctgggtg tcttctgctt ctcccaagag aacatnatnt gggctaacct 300

gcgctaccgt tgcaatgata caatccctga ggactacgag agtcaccggc tgcagagagt 360

ntagggacca gtggggtccc gctgcctgat ggactgtggt g 401

<210> 5125
<211> 492
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (456)..(456)
<223> n is a, c, g, or t

<400> 5125
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tgtggatgag agtcctcaga aggctctgga tgctgaccct ggtagcctca agcaggcttt 120

ggatgatcag aatatagttg agactgttct ggacttggaa gaagactaca acttgatgac 180

ttcttttaaa taccaaatag agtgaggaga gtggatgtca gcagccacag tggttaccag 240

aacaagtctt cacgaggggt tggcagagcc caaattgcca caccttgttt aatttntgct 300

gaatcccatt ttgagctgag agcccaggtt ttagttctgt tattttgaaa tgtttgaaaa 360

gtttttttt tggacttgac attttttta aagtgtattc ttggttagtg ttgaatatat 420

acantcccca ggataggtta taggttgtgc ctntgntctt tgtccttgta ttcttttata 480

tgaatccctg ga 492

<210> 5126
<211> 473
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

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<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<400> 5126
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gacctataca actttgagat tatttggatn catccctggg ccactgcttt ttcaattaac 120

agcaagtcnt tcttgtattt actgggacat aaataaatgt ggagacaaag gacgttgttg 180

gatctataat aagttaaaaa tgatgttcat actgatggga ttctgtattt tttgcaaatt 240

ggccacaacc ttctttactn tcttggcatt ttttaaatat aatgtttcca gagttggaag 300

caagaatgca aagaaaagaa gcaaaaaata aaaaataaaa gaggcaaaaa ataaaaaata 360

attattaant gatttcttcc ttggnttcct gaantctgag ggaaaggatt tgatggagac 420

ntcccattta aaggactgga gagcctgtga ttgcccaggt tctaaggaca gca 473

<210> 5127
<211> 334
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<400> 5127
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tcttcttgac caagtcacac aactgccaga ccagtgcaga gatgttcatg cacctgcaga 120

ataagcgtgg aggctgcatc tcccttcagg acatcgcgag accagaacgt gacagctggc 180

acgggggatt tcaagccatg gaatgtgcct tccacatgga gatgctgatc aaccagagcc 240

tgctcaacat gcacgaagtg gccaaggaga aaggcgaccc ccacctntgc catttcctgg 300

agcaaaactg cctagatcag caggtcgaca tttt 334

<210> 5128
<211> 500
<212> DNA
<213> Mus musculus

<220>
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<222> (327)..(327)
<223> n is a, c, g, or t

<220>
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<222> (329)..(329)
<223> n is a, c, g, or t

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<222> (355)..(355)
<223> n is a, c, g, or t

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<222> (370)..(370)
<223> n is a, c, g, or t

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<222> (384)..(384)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (469)..(469)
<223> n is a, c, g, or t

<400> 5128
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aattcaagga aaagacgcca tgacctctga caccttagcg aagaaactcg cagcccctga 120

cactttggga accagttatc agggtgagga gcaagaaagc agcggtgcgc atagcagcaa 180

attcttcctg gacaaacaag aaaggcaacg gcaatttgag ttgaaaagga agttacacta 240

caacgaagga ttaaacatca aattggccag acaactgata tcggaggagc tacaatctga 300

agtagaggaa gatgaaaacc aaccatntnt acattcaaat tattgaagaa aagantacta 360

cagaagaagn tccgacaatt gaanatntag aaatttacca tcaaacacat ataagatctg 420

ctgttgccgc tgcctttgcn tctgtttttg tctataccac cactgcttnt tgcttcttag 480

aacccatggc cttagtgtga 500

<210> 5129
<211> 535
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<400> 5129
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gagcagagga gttatgttat acctccggct tatacaactg ttaantacca ctgcagtgaa 120

gttgatccag gagctgatat tttgcccaat gaatgttcag ttcatgatgc tgctccagct 180

tctggaaatg gcccgcaaaa gaagtctgtg gaccgaagca tacagacagt ggtctcttgt 240

ctgtttaacc ctgagaacag actgagaaac tctcttgtta ctcaagatga ctacttcaag 300

gataaaagag tacatcactt cagaagaagt cgggcagtgc ttaaatctga tcatctctgc 360

taactcatct caggggggttg ttggttttga atattaaaag aaactgaaaa gttttcaata 420

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tttatgttaa acttgttaga tgtttatata gaaactggtt ttgtgttcat catat 535

<210> 5130
<211> 333
<212> DNA
<213> Mus musculus

<220>
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<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<400> 5130
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atgagtttta aaatgccntg ttgatctatc ttgtattagt cctttccttc aaacatggat 120

tccacttact cttacttagt ggaactaatg ggtcatatca caactgtccc taatgatctt 180

taactcttaa tcttattctg catctaaagt caaaattctt ttatgtcncc aagtcagtat 240

ataccagaaa actaagaagt gtcctgaaat ttaattcttt ttagattttg tccccttact 300

tcagtgtatt tgtagtgtat gtccttacat gta 333

<210> 5131
<211> 529
<212> DNA
<213> Mus musculus

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<222> (53)..(53)
<223> n is a, c, g, or t

<220>
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<222> (55)..(56)
<223> n is a, c, g, or t

<220>
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<222> (60)..(60)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(132)
<223> n is a, c, g, or t

<220>
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<222> (150)..(150)
<223> n is a, c, g, or t

<220>
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<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

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<222> (171)..(172)
<223> n is a, c, g, or t

<220>
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<222> (187)..(187)
<223> n is a, c, g, or t

<220>
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<222> (383)..(383)
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<223> n is a, c, g, or t

<220>
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<222> (405)..(405)
<223> n is a, c, g, or t

<220>
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<222> (414)..(414)
<223> n is a, c, g, or t

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<222> (423)..(423)
<223> n is a, c, g, or t

<220>
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<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(446)
<223> n is a, c, g, or t

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<222> (448)..(448)
<223> n is a, c, g, or t

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<222> (450)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (469)..(469)
<223> n is a, c, g, or t

<400> 5131
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aaantnaatg tctttcagga gtccatgaaa cttgccatat tcaatatacc tgcgattaag 120

tgttaaaaaa nnacgctgta actctgtacn tgctagtatt anaacnanaa nntcttccca 180

tacagcnaaa tgcttaatgc ttacattaat gtggatgtgt cggcctttat gtaatctgta 240

ttatatatag cagggaataa gagctacaga tacatgcctt taaagggctg tttcttaagg 300

ctgttacaag gagataatgg tatttcaact aattatcagc aagtgacaat acattccacc 360

acagatggac tcttgttctt ctnagcgttt anactatatg aaaanactgg gtgnttcaaa 420

gtntggaang agngaagnga nnnnnnancn ntgtcatgga tgaagactnc ctgttcattt 480

tttaaatatg atctttcagg tcctttgctt accaaaggag gcccaattc 529

<210> 5132
<211> 376
<212> DNA
<213> Mus musculus

<400> 5132
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agagcagctc aagacaggga tcagatttac agaagacggt caccttctcc ttactacagt 120

cgtggaggat acaggtcacg ttctcgatca cgatcctact cacctcgtcg ctactaaagc 180

atgaagttga agactttctg aaacctgcca tagagctggg atattgtttg tggacaatat 240

tttctattgt ctcctgttta aaaagtgaac agtgcctagt gaagttaggt gacttttaca 300

ccttttatga tgactacttt tggtggagtt gaaatgctgt tttcattctg catttgtgta 360

gttcggtgct ttgttc 376

<210> 5133
<211> 155
<212> DNA
<213> Mus musculus

<400> 5133
tcaggcccaa ccaaacgcta atgaagacta cagagaaggt ccttgtgcag tcaaccttgt 60

tttaagatta agaaactcca gaaaggaact taatgacata cgatttgagt ttactccagg 120

aagagataca gcagacggtg tgtctcagga gctct 155

<210> 5134
<211> 176
<212> DNA
<213> Mus musculus

<220>
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<222> (86)..(86)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cgtctccaat ttggctctcc ttaggngata ggatttgtng tttttaaggc aataaacttg 120

acaacaccag aatccaagtt ttacttgaaa agctcggcag aatacacagt ggtgtg 176

<210> 5135
<211> 379
<212> DNA
<213> Mus musculus

<400> 5135
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acagaaagta tggaagattt ccagaatgtc ttgaagccgt gtagcttatg tgaaaaaagg 120

cctcgggatg ggaacattat tcatgggaag acgagccatc tgacgacatg tttccactgt 180

gccaggagac tgaagaagtc tggggcttcg tgtcctgctt gtaagaaaga gattcagttg 240

gttattaaag tttttatagc atagttgagt cagtcacaga gaaatactag gaggaccagg 300

tcatttatca aaaaaatcag tattcttaga ggcaggggca gaagatcacc aattttgatg 360

ccagtctggg ccatataat 379

<210> 5136
<211> 253
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (136)..(136)
<223> n is a, c, g, or t

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<222> (186)..(186)
<223> n is a, c, g, or t

<220>
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<222> (213)..(213)
<223> n is a, c, g, or t

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<222> (215)..(215)
<223> n is a, c, g, or t

<220>
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<222> (224)..(224)
<223> n is a, c, g, or t

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ntatgcagac aacagaaaaa tgatgactgg ctttttggaa aacctgggtg ctattgccag 120

tgggtgcntc atacgntcta agattaaaat ttcacagtga ctaatcatta tatgtgttat 180

aacttntcct tataaaacta ttttaaactt tantnttcag cctntcttaa tgtgatgttt 240

taagaccatc aaa 253

<210> 5137
<211> 380
<212> DNA
<213> Mus musculus

<220>
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<222> (178)..(178)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
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<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

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<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

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gcgtgggcgg ctgcccagcg ggaccagtcc gccgagacgt agcgggcgcc tgaggtctgg 120

aagcccaggg tgccctccag ctcttttgtc ctcgaaggtg gaaatcaaag agaaattncc 180

cgacagaaaa acatngaaaa ngacccagga aattagcaaa gggaaaagaa aagaggacag 240

cttgantgcn tntcagagaa agcagaggga ttcagagatc atncaacaaa agcagaagat 300

anccaatgag aagaaatnta tgcagacaac agaaaaatga tgactggctt tttggaaaac 360

ctgggtgcta ttgccagtgg 380

<210> 5138
<211> 466
<212> DNA
<213> Mus musculus

<400> 5138
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gagcgtgcaa agccgccgtt tgcttctcca ggtcgctgtc ttccagtctc cggccggtgg 120

acagcatggc ccgtggaaat caaagagaaa ttgcccgaca gaaaaacatg aaaaagaccc 180

aggaaattag caaagggaaa agaaaagagg acagcttgac tgcctctcag agaaagcaga 240

gggattcaga gatcatgcaa caaaagcaga agatagccaa tgagaagaaa tctatgcaga 300

caacagaaaa atgatgactg gctttttgga aaacctgggt gctattgcca gtgggtgcat 360

catacgctct aagattaaaa tttcacagtg actaatcatt atatgtgtta taacttgtcc 420

ttataaaact attttaaact ttactcttca gcctatctta atgtga 466

<210> 5139
<211> 246
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

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ttagctgtcc tcgagatgct ccaggcctcc tggcaccttc cactcatgtg tttcttatta 120

tctctcccac cccactgcag gccaggctgc tgttgcctcc tgcggcgggc ggggctcctc 180

ctaagcaccc aggagttccc tcttaggctc ttggcctcac atcaaagcct agaatacata 240

tgtgta 246

<210> 5140
<211> 345
<212> DNA
<213> Mus musculus

<400> 5140
ggctgcagat ggaggccatt gctctgtgat tgactggatg ataaaggacg gttgtgaggt 60

agatgttgta gacactggtt caggatggac gccactcatg agagtctccg ctgtgacagg 120

aagccagaag gtggcctcac tcctcatcga ggctggggct gacgtgaaca tcaaggacaa 180

agatggaaag acgcctctca tggtcgctgt cttaaataat cacgaacagc tagttcagct 240

acttcttgat aaaggggcag atgcaactgt gaaaaatgag tttggcaaag gtgtcctaga 300

aatggccaga gtttttgaca gacagaatgt actttcctta ctgga 345

<210> 5141
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

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<222> (113)..(113)
<223> n is a, c, g, or t

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<222> (148)..(149)
<223> n is a, c, g, or t

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<222> (154)..(154)
<223> n is a, c, g, or t

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<222> (349)..(349)
<223> n is a, c, g, or t

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<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<400> 5141
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tttgtgtggc tgtagtttta tctgtattgt tttgcttgtc tggggccact aanaaatcac 120

gtgaagcagc agcaagtcaa ccagcagnng aganagttaa accaccatat gaaggggctg 180

aaccctcata tgagacagtt aaaccaccgg atgaatgggc taacccctag ataaagaaca 240

aaaggattaa accaccagat gaggaataag agactaaatc ataagacaag aaagaagagg 300

ctaaaccatc caatgagaaa agaggctaag cccatccatc atatgagant agcagctcct 360

tgtcaacagc ttcanttctt caanttcaac caacacagaa tagaaaaatc taatgagttn 420

tcaaaataat ntttaagatt taatncaatt taccacacag catcctggtg tgagagatcc 480

taatgtgtat tataaaccac tgatagaaga tcccagcaa 519

<210> 5142
<211> 486
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<400> 5142
gacgctgtac aagaatgtca ccttattgta aatgggatgt tcaacgggac aaagatgttt 60

gtatcagaaa agaaggagac cgcatctgga gatgttgata gcttctataa ctttgctgag 120

atccagatgg ggatatgaag cggattgtgg tattaagccc cttccatcct ttatatacag 180

acagtttgat aatatcctta catatgttag tcatttagca attagtaatt tttactaatg 240

ctataattgt taaaagctat ttttaaataa ctctttgaat accatattat ttacttgagt 300

atctaaaata attcatttaa attgagtagt tttaatcata aactatttaa cttgcttcag 360

taagcttgca gttttatttc ttttcataca atantcttat taggaaataa tcatgatttt 420

attcctaatt aaaagttctt tcatatctct ggtaatttaa actttccaac ttaccttagt 480

gctcta 486

<210> 5143
<211> 475
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<400> 5143
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atactctagc ttataataca ttttctttta atgacctacc cattaaaaat ttaaaataca 120

ttctttgtgg tggcagttct ttcaggtttg acagcaatca gtgactttag tcctttaaaa 180

gcaaatgtta gcagttgcga ctccancact ttctgtccca ctcaaatgca caaaatccac 240

tttagagaag tggcttactg tcacttgaga tgaaattcaa cacttaatgt ctatgagatc 300

attattagtt tattaattta gagccctaaa ggagntactt tttctaatat ttagtgtgac 360

tttgtcttnt acattgcttg taagcaataa aactgtatga aacaaattca ccctgctttt 420

gtatttgaat tgtcccccac cccaactttt tgttttctgc tttatttctt tactc 475

<210> 5144
<211> 471
<212> DNA
<213> Mus musculus

<400> 5144
aagtgaacat ccaggagtgg ctgcagctga ctatgtattc ctgaatggga gtggcagacc 60

tgccccctca cagctcacta tggagccacc ttgaaccctg atcctgactg cagccgcatt 120

ttcatggtca tgtcctgcta cccagaggcc tttcgtctcc ctgttctggt acccagcttc 180

ccaatcagca gccagagctc aacatgccac accttgctgc accctgagtt acccctggct 240

ctgagacaag ctagcttgtt ctactgaagg gtcaccccac cctagcacac ccaatccacg 300

ccatctgtta ccttcatcct gtctgtgtgc caagcctagc actcctgctg cttccatgtc 360

ccaagggccc tgtcttagtt ctgggaggat cacacctgtc cctacacacc ctgttacaca 420

ctcacacagt tacctcccag gcagccagat gaactccagg ccatggcagg t 471

<210> 5145
<211> 511
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

<400> 5145
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gcggggcaga gagatcccgt ggccgggaga gacgtggtag gggcaccagt cccagagggg 120

gaggcccccc catcctactg gatctcaatg atgagaacag caaccagagt ttccattctg 180

aaggttcatt gcaaaagggt gctgagccca gccctggggg gacgccccag cccagccgcc 240

ctggatcacc aactggaccc ccagaagtga ttactgaaga tactcagccc ccacaattgg 300

gtcaggagag agatccaggg gggacacctg caggcggtac tgatgaaccc ccaaagctga 360

ccaaggagga gcctgttcca gaattgctag aagctgaggc ccccgaagct taccctgtct 420

ttgagccagt gccatctgtc cctgaggcag cccagggtga ncacagagga ctcggagggc 480

gccccccccac tcaagcgcat ctgtccaaat g 511

<210> 5146
<211> 476
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (72)..(73)
<223> n is a, c, g, or t

<400> 5146
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gccagagaat gnnagcaatc aaacagatac acgagcagtt cataaagagt ttggaagatg 120

tggaaaagaa taatgataat ctatttactg gcacacaaag tgaacttaaa aaagaaatgg 180

ctatgttgca aaaaaaagtt atgatggaaa ctcagcagca agagatggca aatgttcgaa 240

agtctcttca atccatgtta ttctgatgag tctttgaaga aagaacttga acctatgtaa 300

tatgatacaa ttaaaacatt agctaagagg catgccttta gtaaattata gtttaaacta 360

taatatccga aatcattagc ttatttaagt ggaagatttt tgttcctgtt aacctaaaac 420

cttataaacc taaactatgt taagtaccag ctattccaat gtatcaaact ttcagg 476

<210> 5147
<211> 313
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<400> 5147
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tgggtagccg gggcaccgcg gtgaagacgc agacatgcca gaaggcacag gtgcgcacgt 120

tcacgcgcct cagcgacctg tgcgccatct gcctggacga ctacgaggag ggggaacggc 180

tcaagatcct gccttgcgca catgcgtacc actgtcgctg catcgacccc tggttctcgc 240

gcgccgngag cnttcatgcc ccctgtgcaa acagtcagtg gccagcactc acgacggttc 300

cacggacggc agc 313

<210> 5148
<211> 571
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

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<222> (480)..(480)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (486)..(486)
<223> n is a, c, g, or t

<400> 5148
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aaccgaactg actgctgggt gaccggctgg ggggctattg gagaagatga gagtctgcca 120

tctcccaaca ctctccagga agtgcaggta gctattatca acaacagcat gtgtaaccat 180

atgtacaaaa agccagactt ccgcacgaac atctggggag acatggtttg cgctggcact 240

cctgaaggtg gcaaggatgc ctgctttggt gactcgggag gacccttggc ctgcgaccag 300

gatacggtgt ggtatcaggt tggagttgtg agctggggaa taggctgtgg tcgccccaat 360

cgccctggag tctataccaa catcagtcat cactacaact ggatccagtc aaccatgatc 420

cgcaatgggc tgctcaggcc tgacccagtc cccntgctac tgtttctnan tctggcctgn 480

gcttcntctt tgctgaggcc tgcctgagcc cacacgtgta cgtcacacct gtgaggtcag 540

ggtgtgtctc ttttgtatct tgcttgctaa t 571

<210> 5149
<211> 447
<212> DNA
<213> Mus musculus

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<222> (67)..(67)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

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<222> (90)..(92)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (300)..(300)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

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<222> (327)..(327)
<223> n is a, c, g, or t

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<222> (337)..(337)
<223> n is a, c, g, or t

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<222> (356)..(356)

<223> n is a, c, g, or t

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<222> (380)..(380)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (404)..(404)
<223> n is a, c, g, or t

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cagaatntta aagaagaaaa taaaagtnan nnannnnnan atnnngcagc tcttactaag 120

gagtaagatc agcgaggagg aaaggcaacg aacatctgga tcggcgatgg agatgctgnt 180

tcttatcatc tgtcccactg gagcgtcagt gtggaacgtg ctccatcctc ggcttnntnn 240

atcgatgtnt cctncaggtg actccttcca ctttatangt ntanacatat actttatatn 300

cagttnatnt tttattctgt aactttngaa ctggacnaaa caggtttaaa tatttnataa 360

gaatgaagtt ttttttttn tcctgctgag atggaantca attntgttta agtgttgaca 420

tgtttccaca cgtgcattta ataaaat 447

<210> 5150
<211> 470
<212> DNA
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<220>
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<222> (96)..(96)
<223> n is a, c, g, or t

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<222> (117)..(117)
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<222> (132)..(134)
<223> n is a, c, g, or t

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<222> (208)..(208)
<223> n is a, c, g, or t

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<222> (265)..(266)
<223> n is a, c, g, or t

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<222> (268)..(269)
<223> n is a, c, g, or t

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<222> (278)..(278)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (356)..(356)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (426)..(426)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<400> 5150
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gatgaagcca taaagttgga aacatcaaac agaatnttaa agaagaaaat aaaagtnann 120

nannnnnana tnnngcagct cttactaagg agtaagatca gcgaggagga aaggcaacga 180

acatctggat cggcgatgga gatgctgntt cttatcatct gtcccactgg agcgtcagtg 240

tggaacgtgc tccatcctcg gcttnntnna tcgatgtntc ctncaggtga ctccttccac 300

tttatangtn tanacatata ctttatatnc agttnatntt ttattctgta actttngaac 360

tggacnaaac aggtttaaat atttnataag aatgaagttt ttttttttnt cctgctgaga 420

tggaantcaa ttntgtttaa gtgttgacat gtttccacac gtgcatttaa 470

<210> 5151
<211> 467
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (308)..(308)
<223> n is a, c, g, or t

<220>
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<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

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tttgatcata aaagaaaaga actggaaaat atgtgtaatc cgatcatcac aaaactgtac 120

cagagcggat gcaccgggcc cacctgtacg ccagggtata ctcccggcag ggctgccaca 180

gnccctacca tcgaggaagt agattagcct tttccagaat tgcagggtgc tagggtgcct 240

ctaggcgaat tttattcatc ttcaaacatc aatatgattc ttgaactgac tggactcaag 300

cctacgtnca ccatcctttg ggatcccgat ggagaagcct cgaantngac cttttcacac 360

ccccaccntn tnatctatga tcctgaactg gacctttagg naaaccaggc ccctntttga 420

gccatttgaa gaatttggat gtctgttatt tattatccac accccac 467

<210> 5152
<211> 550
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (450)..(450)
<223> n is a, c, g, or t

<220>
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<222> (497)..(497)
<223> n is a, c, g, or t

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tgaaaggtgt gtgcaacaat ttacaccact gccactgcaa ccttgggtgg gacccaccac 120

attgcctgaa aagtggcctt ggagggagta ttgacagtgg ccctccgaac tatactgaaa 180

actatactga aaagaaacac aagaaaagta ttgggctagt aattcttttt tggattcttt 240

ttgcttgttt ttccgtattg ttcattgtgt tccttttttt cttgaggagt tacgtagaac 300

tacctatgag tgaagaaccc aaagttccca ccccagaaaa caaagaagat accaatgaan 360

taatgaacac tgaaacagaa taacaacaat ttgtaatttc aaatgtcatt atcaaatntt 420

cctccatttc ccatgttcta ccatgtgttn tcttggtatg tgaaacactg tatgtttctg 480

aattcagtga cacaaantcc tagagatatt tagtatttca gcatgaaata cctcatcatt 540

caataaagct 550

<210> 5153
<211> 280
<212> DNA
<213> Mus musculus

<400> 5153
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cagattctga gttcctgggc tgcctgccaa gcatgccaca cagtccctgg agtgataggg 120

attaggtagg gagacagctt caagcatctc tggatttggt ctgataaacg ggaaggctgc 180

tcagagtcct gaccttgctg ggcgtggcta caaagaggac ggtagcgtgg ccccagagat 240

gaagcaatct agtaggggct gaatcctaca ggagtattca 280

<210> 5154
<211> 574
<212> DNA
<213> Mus musculus

<400> 5154
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cttagcatga gtgggagctg aatcccagtg gctccaccgt atgaaccaga gaattatggc 120

taattcggct gttacagcca ctggctggct gcattttaaa ccttaaaact tgactatctg 180

caaaaaagga acagtgtggc tacaagcctg agctttaatg aaatagacat cctcacagag 240

aagttggaaa taacagaact gaagtcttaa tttaccttca gtttaatctg tggatttatt 300

gaaatactga cgatcctcag gtccagaatt ccagcatcat ttattctttt aaaataaatt 360

tttaagaact tgatccatct tattcagtac ctcacaatca aagttggcaa atgatggatg 420

aatgattcaa gcgttgcacc cggtagaagc tgaatccatt tgtgaatgga ctgaagtgaa 480

cgcgaatgct gactctatcc tggaagcatt tttataccat cttgaaattt caacaaactg 540

gcacttgccg gtttatccag ctgtctttca agaa 574

<210> 5155
<211> 499
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

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aggtcccaat ccaatgaaca tgggggcagt tgttccncag ggatccagac aggtaccagt 120

catgcaggga ncaggncatg caaggagcaa gcatgcaagg tggaagccag cctggtggct 180

ttagtcctgg acagagccaa gtcacacccc aggatcatga gaaggctgct ttgattatgc 240

aggtccttca gctcactgca gaccagatcg ccatgctgcc tcctgagcaa agacagagta 300

tcctaatctt aaaggaacag atacagaaat ccactggggc accttgaaag gttctcaaaa 360

tagctggcaa caaatctgga aatgtaattc cataacattt ttgaaatttt gaaaacataa 420

tgacgtctgc atccgaacct ccccggatga ggcagatggc gccaggtgga ggtcttacat 480

cgccattgct ccaaaggaa 499

<210> 5156
<211> 557
<212> DNA
<213> Mus musculus

<400> 5156
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aacagcgtga agacattaca tccagtgcac agtttgcatt gagactcctt gcattccgtc 120

agatacacaa agttctgggg atggatccat taccacaaat gaatcagcgc tttaacatcc 180

acaacaacag gaaacgaaga agggatagtg atggagtgga tggatttgaa gctgagggga 240

agaaagacaa aaaggattat gataactttt aaaaagtttg tgtaaatctt cagtgttaca 300

gtaggtgccg gtttattggc tgttttccat tcatattaat ctctacttta aaagtttatc 360

aagagtataa agagtttcat gggaagaacc aagtttttct atgattaaaa acttattgta 420

cagtgtcagg tattatatgg atggaaagaa agagatttga ctaggggggaa tatattggtc 480

tttccccccc cccacccttt ttcattattt tgattttatt gactggttgc ccttactccc 540

tgtatttttg tgtcttt 557

<210> 5157
<211> 257
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (209)..(210)
<223> n is a, c, g, or t

<400> 5157
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ctgctggcat acagaccagt tttaggactg gtaatccaac agggacttac cagaacggtt 120

atgatagcac tcagcaatat ggaagtaatg ttgcaaatat gcacaatggt atgaaccaac 180

aggcatatgc atatcctgct accgcagcnn ctgcgcctat gattggctat cccatgccaa 240

cagggtattc tcaataa 257

<210> 5158
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

<400> 5158
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tgcgtgctgt ccctcaagtt cgcctattgt ggcaagtggt ttgtgagcac tgggaaagac 120

aaccttctca atgcctggag gacgccttat ggagccagca tcttccagtc aaaagaatcc 180

tcatctgtct tgagctgtga catttcagcg gatgacaaat atattgtaac aggctctggt 240

gacaagaagg ccacagttta cgaggtcatc tactgaacaa ggactctaac aggcctgtca 300

aactctggga gagacaccca cgtggccctg acagggagat gctggccagg ccccgaggac 360

ggcagaagga gggagcagca ttgtggggct gccctccaga aggtggagag gacgcacgcc 420

ccttcgtgga ttgatgtgtc tgacagactt gaaggacttt ntcctctccc cctaaccagt 480

gctggcagat gcttcaat 498

<210> 5159
<211> 521
<212> DNA
<213> Mus musculus

<400> 5159
acagagttaa cagctgtctc aggaagaatc ttcctgttaa tgtgcggtgg ttgctttgtg 60

gctgcctgtg ctgctgctgc acgttagggt gcagtatgtg gccagttatt tgcctcagta 120

aaagaacacg aagatcgatt gagaagttat tagaatggga aaacaatagg ttataccaca 180

agctgtgctt gcactggaga ctgagcaaaa ggaaatgtga aacgaacaac atgatggaat 240

atgtcatcct catagaattt ttaccaaaga caccgatttt tcgaccagat tagcatttgc 300

tttatttata gagactttcc aagtgtgttg tctttccaat ggtgccttgc ttggtgctct 360

cctgctggtg acatgatgct ggttctacag aattgggtgg tgttcttgtt tgttttgttt 420

tttaaataac cgcatgttct atgtgtgcat atttgtcaaa ctttgcaagt tatttcatac 480

agatgtttaa tacttaagtt attgtgctct tttctgttat a 521

<210> 5160
<211> 541
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<400> 5160
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tgctggaata gccattacaa ttaaggccct gaaacctagt gtgaaggtat acgctgctga 120

gccctcgaat gcagatgact gctaccagtc taaactgaaa ggagaactga cccccaatct 180

tcatcctcca gaaaccatag cagatggtgt caaatccagc attggcttga atacctggcc 240

tattataaga gaccttgtgg atgatgtctt cactgtcacc gaagatgaaa tcaagtatgc 300

aacccagctg gtgtgggggga gaatgaaact gctcattgag ccgactgctg gcgtggcact 360

ggctgcagtg ctgtctcagc atttccaaac agtctctcca gaagtaaaga acntctgcat 420

tgtactcagt ggggggaatg tagacctaac ctccctgaac tgggtggggc aggctgaacg 480

gccagctcct taccagacgg tttctgttta aattcaggca agattgtctc tagatgaaaa 540

t 541

<210> 5161
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<400> 5161
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aacgaaggcg tcttcatcat gggcaaaacc attgaatttc acatgggagg agatgtggag 120

ttaaaagctg aaaacagcat catcctcaac ggcacggtga tggtcagccc tacgcgcctg 180

cccagttcct ccagcgggga ccagtcaggg agtggtgact gggtgcgcta caagctctgc 240

atgtgtgcag atggcacact cttcaaagta caagtaacag gtcacaacat gggctgccag 300

gtctcagaca acccttgtgg gaacactcat tagacggtgc atccgcaggn ctcagcgcgc 360

tcagatctga cttgaccttc ccctttttaa gaatgcatgt gaaccatgtt tgtacagcgt 420

ttgccataac ttgtaattat tttacctggg gagcaccact gtgtctatta tgtactctcc 480

atatttaagg gatcttgagt gcctacattc taa 513

<210> 5162
<211> 489
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

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gaaagcagcc tgcacccnta cgtccccacc atcagccacc ccatggacac ctccaanttt 120

tgacccggtg gatgaagaaa gcccctggca cgaggccagc ggangagagc gccaaggcct 180

gggacacgct ggcctccccc agcagcaagc atccagagca cgccttctat gagttcacct 240

tccgcaggtt cttcgatgac aacggctatc ccttccggtg cccgaagccc tcagagcccg 300

cagagagtgc agacccaggg gatgcggact tggaaggtgc ggccgagggc tgccagccgg 360

tgtacgtgta agcctcagtt aaccacaact cgaggaaacc caaaatgaga tttcttttca 420

gaagacaaac tcaagcttag gaatccttca tttttagttc tggtaaatgg gcaacaggaa 480

gagtcaaca 489

<210> 5163
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (385)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<400> 5163
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gagacttccc gacagtgccc aagctgattc ccccactgaa ggccctgttt gcaggtgaca 120

ttgaagagat ggtggaacgc agggagaaga gggagctacg gctggtgcga gcagccctcc 180

tgacccagca ggcagacagc ccagaggaca gagaacccca acagaagcgg gcccacacag 240

atgaaccaca cagcccacag agcaagaagg agagcgtggc aaacacttta ggagcgcgag 300

tgtgacacgg cgaggacttg gcctgccttc cctggcgagg acttggcctg ccttccctgg 360

cgaggacttg gcctgccttc cctgnnctgg cggcgctctg ctcacttcct natgaggcag 420

cacaggatgt tgtgactgcc ccgcagcctt caccgaaaca agaccatgtg ccaagctcag 480

g 481

<210> 5164
<211> 549
<212> DNA
<213> Mus musculus

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<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

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<222> (275)..(275)
<223> n is a, c, g, or t

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<222> (278)..(278)
<223> n is a, c, g, or t

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<222> (286)..(286)
<223> n is a, c, g, or t

<220>
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<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
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<222> (331)..(331)
<223> n is a, c, g, or t

<220>
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<222> (337)..(338)
<223> n is a, c, g, or t

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<222> (359)..(359)
<223> n is a, c, g, or t

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<222> (376)..(376)
<223> n is a, c, g, or t

<220>
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<222> (434)..(434)
<223> n is a, c, g, or t

<400> 5164
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atcccccaag cagctcattt ggggcagacg ttgggagcgc tccaggaact ttcctgcacc 120

catctggccc actggctttc agttctgctg tttaactggt gggaggacaa aattaacggg 180

accctgaagg aacctggccc gtttatctag atttgtttaa gtaaaagaca ttttctcctt 240

gttgtggaat attacatntc ttttttnttt ttatntgnag cttttnttnt tttttcttta 300

antcttcttg ttggagacat tttaaagaac nccactnnga ggaagcattg attttcatnt 360

ggcatgacag gagtcntcat tttaaaaaat cggtgttaag ttataattta aactttattt 420

gtaacccaaa ggtntaatgt aaatggattt cctgatatcc tgccatttgt actggtatca 480

atatttctat gtaaaaaaaa aaaaaaattc tgtatcagaa taatgacaat actgtatatc 540

ctttgattt 549

<210> 5165
<211> 244
<212> DNA
<213> Mus musculus

<400> 5165
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aagataaagg cgtcgacctc tatgtcctgg agaaggcctt cctcagcacg caccccaca 120

ccgagaccgc gtttgaagcc tttctgaaga gttacggggc ctcgtccaag aagtccagtc 180

cagtgctgaa gaagttagat gaggtgcgcc tgagagggcg aaagcggtcc atggtcgggt 240

agtg 244

<210> 5166
<211> 459
<212> DNA

<213> Mus musculus

<400> 5166
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tctttttaaa gtttactgat gcttaactct gtgggctcgt agtcctctga aagtggttgt 120

tttcctatgc acagtgagct cagaaataaa aactccattt tgagacattc agaatgtccc 180

aacattacga caacattttt ttttttttt tctaatccag tccaggttgg aaagaagtct 240

ccttagtgtc agattaagcc ccatctctta acaatatgga cagatgagtg tgccatggcc 300

atgagctatt tcctaacgca gaaggaattt gttgttactt tttggattgt actcttctag 360

gctggaccga attcatatgc agattgaagt gagacctgct ctttacagat ggtattttga 420

tagatactgg agtttgtctg tattatatct gtgccccctt 459

<210> 5167
<211> 533
<212> DNA
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<220>
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<222> (92)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<400> 5167

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cacctgtgat acacacctct caagatgaga annctttgaa ttatggccat gctctgcttc 120

ctggtgaagg tgcagcaatg gctgaatatg taaaagccgg gaagcgtatc ccacgaagag 180

gtgaaattgg gttgacaagt gaagagattg cctcatttga atgttcaggt tacgtcatga 240

gtggtagcag gcatcgccga atggaggctg taagactgcg taaagagaac canatttaca 300

gtgctgatga gaaacgagcc cttgcatcct ttaaccnaga agagaggcng aagagagaaa 360

ataagatcct agccagcttt cgagaaatgg tntacagaaa gacnaaaggg aaagatgaca 420

agtgacaacc tgtttgtttc actgtgggac gtttaacaac aaaggctttg tatggccaaa 480

gtaatagtaa atggttttac catttaccag tgctattgta cctactgtgt tag 533

<210> 5168
<211> 354
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

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<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<400> 5168
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tatcacaagc agttcaagaa gaagggcttt ctatgctgga ggcagaagaa gtacaaggca 120

ggatttttct gccttagcct cctgagtgct gtgatgacag gcctgtgcta ccatgtgttg 180

ctgttatgtc tattctcacc aagtntctta acttcgcctc cttccntgcg agctaatcca 240

gcggctgaca gtgcaggant cccatcaggc atatccacaa tntcttgctn tctnantcag 300

ntccatgact ttgcactaag tagaacctca attaatgcct gctggaggcc ttgc 354

<210> 5169
<211> 492
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 5169
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aagaagggag ttatgttggt atcaggacnt ccaaaacccg tgacatcaca tgggtgggac 120

ctgcagtcct gttgccaagg taacaatcac catattccag aatntanttg gcttacctcc 180

caccttacc tgtgatatgt catcacccat atataacccc tcccatntnt ntctttntct 240

tccccccttn tctttctgcc accacgttgc ccctntntnt cctaataaac ctntgacagg 300

tggaactgnt ttggcatggt gtgctatatt tagacacaag ccgctgttct aacacatcaa 360

caatgggtca gcaacaagtt tccagcccca cgccccagta atggttctgg aatgtcccta 420

gagatagagg aagataaagg tcacccgccc tggaattccc ttcatgtgct ctaaatctgg 480

cctgcaagct ca 492

<210> 5170

<211> 561
<212> DNA
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<223> n is a, c, g, or t

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<222> (466)..(466)
<223> n is a, c, g, or t

<220>
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<222> (530)..(530)
<223> n is a, c, g, or t

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agaaagcctt ccagaatgag gctaaggctc tgcatgagga gatcaaatcc ctgtgtgagg 120

agaccaaggc tctgcaacac caggagaggg ctctcagaat ggaagagaaa gctctgatga 180

gggatggagt ggcggcggag ctggccgagg ccctgaccaa ggaggggggct gctctggaga 240

tggaagaaca ggctctgtgg aaggaggagc aggctctccg ggaggagaac aaagcactga 300

gagaagagca tggggctctc caagatgaag aagttgccct gcaggaagag gcgaaaatcc 360

tccaggagtg gaataatntt cttcagggga agatcacaaa caacctccca gggaaaacgc 420

aaaaccaaga cccaaagaag tgtggcccaa gaatgtaacc acgaantcat gacaataagt 480

agctttccag aacataaaag tagaattcga tcgatcgtgt aaccttattn tcagaagcct 540

cagaagttga tgtgctcgat a 561

<210> 5171
<211> 207
<212> DNA
<213> Mus musculus

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accagttaac acctttgttc cacattcaga aattctaatt cccctctaat ctgtgactac 120

acatacaaat atcactgttt taaccatcaa aggggttata agatttataa tggcagaata 180

gataacaaga caactacctg acactga 207

<210> 5172
<211> 552
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (230)..(231)
<223> n is a, c, g, or t

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<222> (252)..(252)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (366)..(366)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (397)..(397)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (525)..(525)
<223> n is a, c, g, or t

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<222> (527)..(527)
<223> n is a, c, g, or t

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tacgtggctg acggcactgt gtgtggacca caaatgtatt gtataaacgg aacctgcaaa 120

gaagttaatt tcacaggaaa tgactgcaac gccactaaga agtgcaaagg gaatgggata 180

tgtaataacn ntggnantnn ccaatgcttt cnngacnaca ggcctccagn ntgtaactta 240

cagattggat cnccgggggg cagcatngac gacgggaaca ctctcagaac tgagtcggct 300

tttgctacaa agcgcctgag taagaatgag gacagctggg tgatnntggg cttnttcatn 360

tttctncctt tcatngtnac tttcnttgtt gggatcnatg aagagaaacg aaaggaaaat 420

ngtgcctcag ggagaacaca aaatatgagg gccattcatt gcaccagaaa tcggccaagg 480

aagctagcag ttgatggacc caaggaggaa gtgtgtnttc taacngntct gttaccggtg 540

gatacacttt aa 552

<210> 5173
<211> 455
<212> DNA
<213> Mus musculus

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<222> (350)..(350)
<223> n is a, c, g, or t

<220>
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<222> (378)..(378)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tagatcatct tgaaaataag aagaaaagtg cgaattcagt tcatgatgaa ctctagcgcg 120

ggtccagaag atgaaacgtg ataaaaatcc gccacctgct ggagacctgt ggaactgcca 180

cgactagtag gccatttcat tcacgttgtt gtcatgaggt tgactgctca taagctttat 240

ttaaacacat ggaaagttgt aaataacctc atttatgtga ttggtggact agtcctttta 300

ccagcactta aggtgccgcc gccgccgccg ctgctgctat tgttgttgtn gttgctgttt 360

tcaccagcta atttgatntt ntcagangtc cttgaaggtt tttgaaggtc cttgntggtt 420

tagtattcca gcttcaagta cacctatatt tcctt 455

<210> 5174
<211> 545
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (312)..(312)
<223> n is a, c, g, or t

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<222> (339)..(339)
<223> n is a, c, g, or t

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<222> (389)..(389)
<223> n is a, c, g, or t

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<222> (422)..(422)
<223> n is a, c, g, or t

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<222> (484)..(484)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtttggaaat tctaccatat attgtactgt gagcaagtct gatgtaggac aatggagcag 120

tccaccaccc cagtgtatag aggaatctaa ggtcccaatt aagaaaccag tagttaatgt 180

tccaagtaca ggaatcccct caacgcctca gaaacccaca acagaaagtg ttccaaatcc 240

aggagaccaa ccaactcctc agaaaccttc cacagttaaa gttccagcaa cccagnatga 300

acctgatacc angacaagaa catctacaga caaaggagng tctaactcag gtggtgaccg 360

ttatatatat ggatttgttg ctgttattnc aatgattgat agcctaatta tagtcaaaac 420

tntttggact attttaagtc caaacagaag gtctgacttt caaggaaagg agaggaagga 480

tgtntcaaag taagaagaga gcaagaatcc agtntccacc ttttcaacct gtttgggtgt 540

gtgct 545

<210> 5175
<211> 239
<212> DNA
<213> Mus musculus

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<222> (41)..(41)
<223> n is a, c, g, or t

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atggcattgg atttccttgg ccaccttagc accctcaaaa caagctatga agcaaaggtg 120

aatcttctgt atgccaacct catggaaata ttagataaaa agacggattt aagatctaca 180

gagatgactg aacaattaag agcacttatt gttcctccgg aggatcaagg ttcagtttc 239

<210> 5176
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)

<223> n is a, c, g, or t

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<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>
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<222> (465)..(465)
<223> n is a, c, g, or t

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acaagaaata attcatattt ctatctctgt gtagagtttt ttttatatga gtttaaaagt 120

atctgaagta ttaagttaaa tgaaattgtc catataagac actaaggacc actctgagtt 180

tagaatagcc atttgataaa tattaactca tttttattat tactattata gttgtcggta 240

gtggttgtat tttacatgtg atatcaaaac atcaaatgtt tttttatatt ttatgtatac 300

ttgtaaaata gtttactcaa tactattccc ttgtgttaga agatttatan atgtataatt 360

tntantccac ggccagtaat tcatcagact ttntctaata tttgtcaagt aggtccaaga 420

aatgaaaaac aatcactcat tgtaagtaag caatatagct gcttntacat ttatataata 480

aagtagattt cacgttactc agtatgt 507

<210> 5177
<211> 560
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

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gggaatccag aaggagctgc agttctaaag tcttccccgt gtcctagcac ttcactgtcc 120

aggctgcagc agggcttcta ggcagaccac acccttctcg tctgagctgt ggttagtaca 180

gtggtgttga gatggtgtgg ggaaacatct cactccccac agctctgccc tgctgccaag 240

tggtacttgt gtagtggtga cctggttagt gtgacagtcc cactgtctct gagacacact 300

gccaactgca ggcttcgatt acccctgtga gcctgctgca tttgctgccc tgcaccaaan 360

atgcctaggc cgacgagttc ccagttaagt cgtataacct ggctccagtg tgtacgtcca 420

tgatgcatat cttgtgcata aatgttgtac aggatatttt atatattata tgtgtctgta 480

gtgtgcattg caatattatg tgagatgtaa gatctgcata tggatgatgg aaccaaccac 540

ccaagtgtca tgccaaataa 560

<210> 5178
<211> 375
<212> DNA
<213> Mus musculus

<400> 5178
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ctgcctgcct gcctgagccc ctgagcctta aacttcacct gctccccgac atgctgtgtg 120

acggtgtggc ttcctcacct ctcccctggt gggcatggca gggctagacc ttgctcatgc 180

cccccacccc ccacttctgc cttcattcct tccaccaccc tgcctctccg gtctcctccc 240

ccacttcctc ctctcccatg tgcctgagtc tcctaaccga agaaaagggt tgagccccaa 300

ggaggctatc tgagaggagg gacctggggt ggggtttacc tcttccaccc caagccatag 360

ggagctctat tggga 375

<210> 5179
<211> 301
<212> DNA
<213> Mus musculus

<400> 5179
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ccattgtcca attcttcaga aactccagta gtggccacag aggaagtggt taccgcagaa 120

tctgtggatg gtgcaattca gcaagtagtt agctcagggg gtcagcaagt catcacgata 180

gttacagatg gaatccagct ggggaatttg cactccatac caaccagtgg gatgggtcag 240

cccatcattg tgacgatgcc cgatggacag caagtattga cagtaccagc aacagacatt 300

g 301

<210> 5180
<211> 487
<212> DNA
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<222> (325)..(325)

<223> n is a, c, g, or t

<220>
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<222> (334)..(334)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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gttccagaga aaaaccagaa gaagaaaaag aagacaaaat ggcgaggaga cagggccacc 120

ggcactcaca aactgcagtg tgtcatcttg tgacagcctg aagccctggg catagcaacc 180

gtgaactgcc agcccctggg accagcccac tgcctaactg cactgagaac cacttctaac 240

tacagccctt ggctcttgga ctgggcattg gaagggaatg agggaggagg gggcagaagc 300

aggccggggc tggctttgct gcctntccca gganacaggg ctacagcttc caaacctttt 360

ntgtgttgac tgagcccagt tcccagtctc ttggtgggct tgtttctttt aactccatag 420

ggctggtttg ctatggaagt gcttacccac atacaacgca ccagacaagc catgagcaag 480

cttcctc 487

<210> 5181
<211> 504
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<400> 5181
gagtacagtg aattccttcc agctcccccc gctcatcgct ggcacccttc cacagtgcag 60

atgactcccc catcacaagt tgatagcagg gcccctcaat gctaaggagt tccaccaggc 120

atcttgtata gggacatgag atttcatgag tttgtttcta gtagataaca ggggcattca 180

gatactctgg ttactatatt ctccatctgc catctctaga tcacattgct gttttaaacc 240

agagtattta tatctaacag ataaggcctt aaatccacaa taatattctg aacaaataaa 300

tagaacttaa tttgcattct catgtggttc atattaaatt taatgattgg ttatttgatt 360

gcacctttg tatcttaagc tttcaaaaat ctgctggact tctaatgact tctactntct 420

ttattatttt nccttcctac ctcgtgtaga taatggcaaa gcatatacta ttgtacattc 480

atggtcaaag aacaagcccc ttgt 504

<210> 5182
<211> 548
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (466)..(466)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (472)..(472)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

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<222> (496)..(496)
<223> n is a, c, g, or t

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<222> (498)..(498)
<223> n is a, c, g, or t

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<222> (506)..(506)
<223> n is a, c, g, or t

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<222> (508)..(508)
<223> n is a, c, g, or t

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<222> (517)..(517)
<223> n is a, c, g, or t

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<222> (521)..(521)
<223> n is a, c, g, or t

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gaactgaaag aattgttcag cgatgctgga aacaagcttg tggtggtaga gttttcagca 120

aagtggtgtg gcccctgcaa aacaattgct cctgttttcc aggcaatgtc tttaaaatac 180

caaaatgtca cgtttgctca ggtggatgtg gactcatcta aggaattagc tgaacattgt 240

gacatcacaa tgctacccac attccagatg ttcaagtaca cccaaaaggt cactccattc 300

tcaagactca aaagagtact gtgctgcctc agaagtggac cgaagagcaa gatgattttt 360

gaatgtnatg gagctgatgc taaacaactg gaaaagaaga ttcaagagct aatgtaaacg 420

gccacccaaa tatacctgtg acatttccta aagcaggagc taatgntctg tntnttgcat 480

gccctgcgag ctgttntnta ttggtntntc ctgacgntct ntcggaagaa cgcggcatta 540

caggacca 548

<210> 5183
<211> 429
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<400> 5183
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gaagaggata gaagaagaac tagaaactgg ataccttgag agagaagtat caaaagtctt 120

aagcatggat tctgagagag aaaggagtac gagcctaaat aagatggatg gcttcatcag 180

taaaggggca ctgaggttca gtaaaagtat ttttcgttcc ctcttgttct ccacgctgtt 240

tttcatcaga ttgctgggat acctgatctt ccatttaagt tttataaatc ccgacctcct 300

ggtcaacgcg ctgcctaaga tactgagcag ggacgtctnt gtggaagctg agatgtttcn 360

tnttcccatn tctcacgctt gagacagaag acatgttacc tcactgatcc ccaagccata 420

cctgagggc 429

<210> 5184
<211> 303
<212> DNA
<213> Mus musculus

<400> 5184
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ttcatgattt aggaatctca aaaatggtct gcaacagcat catgaactgt gacactgaca 120

tccaggagaa tctgtttgct gagattgtgc tttctggagg taccacaatg tttcccgggc 180

ttcaggatag actcctgaaa gaactagaag atctggcttt tgagggaacc cctatcaaga 240

tcacagcttc ctcagacaga tgttattcgg cttggattgg tggatctgtc atgacatcca 300

tga 303

<210> 5185
<211> 510
<212> DNA
<213> Mus musculus

<220>
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<222> (299)..(299)
<223> n is a, c, g, or t

<220>
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<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<400> 5185
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atggagtctc tgctgtaaag cagcacccaa tattcaagga tataaacttc agcaggctgg 120

aagcaaatat gttagatcca cctttcattc ctgatcctca ggccatttat tgtaggaaca 180

tcttggatat tgggcagttc tctgtggtga aaggagtcaa cctggatacc aatgatgaaa 240

tcttctacgc tgaatttgcg acagggtctg tcaccatccc ctggcagaat gagatgatng 300

aatctggatg tttcaaggat ctcaatgaaa atgaagacga tttgtcatca cttgaaaaan 360

tacaagatgt gttcctccat tctcagacca aagagaaact tcttccgtag actcttcaga 420

agaacgggct gcctgaacat tgccntcagt gaggagaggg agccnacaga acactgacca 480

ttcactgtgc agaccacaga gcaagacctt 510

<210> 5186
<211> 553
<212> DNA
<213> Mus musculus

<220>
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<222> (75)..(75)
<223> n is a, c, g, or t

<220>
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<222> (279)..(279)
<223> n is a, c, g, or t

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<222> (293)..(293)
<223> n is a, c, g, or t

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<222> (338)..(339)
<223> n is a, c, g, or t

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<222> (341)..(341)
<223> n is a, c, g, or t

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<222> (350)..(350)
<223> n is a, c, g, or t

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<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

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<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (492)..(492)
<223> n is a, c, g, or t

<400> 5186
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ctgtcaatca tattntggaa gatgtactaa ctacctacct acaagaagca caatatgacc 120

cagagttctg cagacaaatg actaaaacaa tttctgaggt tattaagacc caggtcaagg 180

aattagtgat tccgagatat aaactaattg tcatcgttta catcggacag cgggatgacc 240

agagcatagt tattggcagc agatgcctct ggaatcctna aagtgatact gtntcgtcct 300

atactttcaa aaattctaca ttctttgcac ttgcaaannt ntatgcagtn tanttcgagt 360

gattgaaagt ggtccttgtg tgttaaaatc atgaaccagg ctgtgtntct ctattcacaa 420

aagttctact gncaaaacct gtgggaaaga gacaagatga agatttcaaa caactggaag 480

ctttggtcgc tntcgtgagg actggtggag ggggacggga gcctaagaaa caggtcctgt 540

ttgttcaaag cag 553

<210> 5187
<211> 327
<212> DNA
<213> Mus musculus

<220>
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<222> (292)..(292)

<223> n is a, c, g, or t

<400> 5187
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agatacatca agatctgctc ggcatccagg agggctatga gaatgccaat tttggctggt 120

cctgttaggt catctagaat tatatcatgg tgatcagtca agtgaatttg aaaaactttg 180

aggtatcatc tgtaacatct ctcatgctca gacttgaaca tctctcatgc ttcagcagaa 240

cacccacccc aatgaggcat gcctatattc atcctgaaca gattattacc ancagtgact 300

gcctttgcac tatttcacca aggccag 327

<210> 5188
<211> 597
<212> DNA
<213> Mus musculus

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<222> (352)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (414)..(414)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (505)..(505)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (552)..(552)
<223> n is a, c, g, or t

<400> 5188
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actgaggtgg acaggagctg tgctggagcc agatctgcct tggattacat gggaggaagt 120

gacaaaagcc agaacaaaca gaaccagtga ctgggggagt aacggtgacc agactgtggt 180

ataaagtgat acagaggttt gctttcacaa aaccactgta caccgtgctt tttttaaaaa 240

aataacttac tatgaaaaac ttcaagcatt gcaaaagtga gccgtaacat ggtaacagta 300

cagagtcatt acccagtgtg aacagtcgtg ttctaatggg cagtagtctc tnnntgtcta 360

gccctangct accccacttc ctgtatgntc aactggatcn tcaagaccat ttcntntcta 420

gctgcaccac ntgaggctct ctcagctttt gaagaacatt tgcaaatgtt tcataacaat 480

accatcacgt gcagttaatg gtatntagtc aatgtttata aagtgattag acaatgggaa 540

atttggagtt tntttgtatg aatcaagatc aaataaagtt cacgcattgc tactgcc 597

<210> 5189
<211> 493
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
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<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<400> 5189
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cggagcctgg ccctggccgc agccgccgag cacaagttgg aacagatgta cggatctaac 120

gtcttcccag agggacgtac cagcgaccca gacaatgaca tggaaatgat tatcaatatg 180

ctgtacaact ccaggtccaa gttgtcagat tatttcaata ttaagcgtgt accatcagag 240

ctgagagaaa aggcttccnt ncgngaatng ctganttgag aaaaatatta tntgtggatc 300

aggtagaaat gcaaancctc attaagaagc tgttaagcaa taatatgaaa ntcctaaata 360

ttnttaatgt cccatgacca aantcatgta agcaaaggac ttgttcacag gnaaataagc 420

atagtgattt ttaaagttgc ctaaaatatt ttntacaata ttttccatgt gctaacatcc 480

ttgtatgtca tat 493

<210> 5190
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<400> 5190
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tgcaactttt gaaattgatc tcaaagaagc acaaagattt tttgctcaaa aattctcgtg 120

cggtgcctca gtgacagggg aggacgagat catcattcag ggagacttca cagatgacat 180

cattgacgtc attcaggaaa agtggccaga ggtggatgac gacagcattg aagaccttgg 240

agaagtgaag aagtgatcct gaagtcatgt gtttctaact gtgacctgag agctgacacg 300

gccagcagag gagaggcctt tcagaatata tacatatgta catttgtgtg tatatatacc 360

ctacagtaaa gctgtcgact cctcntcctc ggcgtcctca ctgttccgta caaggctgct 420

tg 422

<210> 5191
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (459)..(461)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (499)..(499)
<223> n is a, c, g, or t

<400> 5191
atgcctgggc atcaccgtgt catagctacc ctcttgttgc cacaaggttg gttcattcag 60

gttctggatg tcggtcaccc tcccttggat ctgacctgac ctttgctacc aggacaggct 120

ctcggcaggg cattgagatg catctcttca gggttgaaac tcatcgggat ttgtcgacct 180

ggaccagaat acttgttcag ggctgccatg ctgctgctga gctgatcaag gaagtctccc 240

taggctgcac cttaagtggc caagaggtaa ggttcactgt ccactatgaa cacgggttca 300

ctatcaccag agacaatgga ggcnccagca gcatattgta ccgctatccc tttgnacggc 360

tgaagatntc tgctgatgat ggaatcagaa atctctattt ggattttggt ggcccntgag 420

ggagaactga ctatggacct gcattcttgt ccaaagccnn ngattgtatt tgtattgcac 480

acgttcttat ccnccaaant cactcgcatg ggactgcttg tgtga 525

<210> 5192
<211> 377
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<400> 5192
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taatactgtc atttgaggct tatnaaatga aggcttatgg gtgattttgt tgtcattagg 120

agcaccaaga gcaagntcct aagctgcttn ttccagaagc tgtagcagcc ccaacccccg 180

caggtggtca gttaggaatt ttaaaccaca agtggaatgc tttttgtgag tgtgggacac 240

cttgatacaa acctatatta tcaattttgt actcaaaagc caaaatatag caaactattt 300

tcaaatgatn aactnaaaaa tgggcatctt tgataattca cctcttttta tagaatcagc 360

tatattgtct ttaattt 377

<210> 5193
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<400> 5193
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gaccaagaaa ttaaagaaag tctggaccat gctgatggct gcaaagtcag agatggctga 120

tctccagcag gagcatcaga gggagatcga aggcctcctg gagaacatcc ggcagctcag 180

ccgggagctc cgtcttcaga tgctcatcat tgataacttc atacctcagg attaccagga 240

aatgattgaa aactacgtcc actggaatga agacatagga gaatggcagc taaaatgtgt 300

ggcctacaca ggaaataaca tgaggaaaca aactccagtc cctgacaaga aggagagaga 360

cccatttgaa ntcgaccttt cccacgtgta cctcgcctat acagaggaga gtctgcgtca 420

gtctctgatg aagttagaaa ggccacggac ctccaagggg aaagcaaggc caaagatggg 480

gcgaagaaag cgttctgcaa agcctgagac cgtaattgat tcttt 525

<210> 5194
<211> 364
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(266)
<223> n is a, c, g, or t

<400> 5194
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tacaattact atagagtgca gtgagaaagg cgtggacggg aacatgcacg tcaggatggg 120

caagctccac cttgtggatc tggctgggtc agaaagacaa gcaaaaanct ggagccacag 180

gacagcgcct caaggaagct accaaaatca acctttcatt gtctaccctg ggcaacgtta 240

tttctgcctt ggtggatgga aaaannactc acgtgccgta tcggaactcc aaactgaccc 300

gtctcctgca ggactcctta ggagggaact caaaaaccat gatgtgtgca aatattgggc 360

cagc 364

<210> 5195
<211> 575
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

<400> 5195
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cgagaatacc ctaagtttct aaaacgtttt acttcttatg tccaagaaaa aactgcagga 120

aaaccaattt tgttttagta ttaacagtga ctgaagcaag gctgcgtgac gttccatgtt 180

ggagaaagga gggaaaaaat aaaaagaatc ctctaagctg gaacgtagga tctacagcct 240

tgtctgtggc ccaagaagaa acattgcaat cgtaaagctg ggtatccagc actagccatc 300

tcctgctagg cctcctcgct cnagcgtgta actataaata catgtagaat cacatggata 360

tggctatatt tttatttgct tgctccttgg agtgaaaaca aataactttg aattacaact 420

aggaattaac cgatgcttta attttgagga actttttttca gaatttttta tttaccatgg 480

tccngcctaa gatcctcagt tgtatcaggt tttgtgcaca aaagaaaagc acaaaagttg 540

aacgcacctg aggcatgtgc tctctgtgca ccaaa   575

<210> 5196
<211> 361
<212> DNA
<213> Mus musculus

<400> 5196
gcaactactg ctggaatcct tgctacactt tctcattgta ttgaattaat ggtaaaacgg 60

gaagagagct ggcaaaaaag acacgatagg gaagtggaaa agaggagacg agtggaggaa 120

gcgtacaaga atgtgatgga agaacttaag aagaaacccc gtttcggagg gccggattat 180

gaagaaggtc caaacagtct gattaatgag gaagagttct ttgatgctgt tgaagctgct 240

cttgacagac aagataaaat agaggaacag tcacagagtg aaaaggtcag gttacactgg 300

cccacatcat tgccatctgg agacaccttt tcttctgtcg ggacgcatag atttgtacaa 360

a   361

<210> 5197
<211> 353
<212> DNA
<213> Mus musculus

<400> 5197
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tctcacccgt aggccccctt ctgaagtgca gaatgattct agcaccatct ctctgctaca 120

agtgatttaa atggcccatg gtatgctata gggacagtca gagttcaccc tggctctgag 180

tggagcagct ttgccaaagc atgcctcaga gaaagtctcc atggcttgag acagagccac 240

ttctccttca gaacagacag tgtgagccca ttgtccctcc tcttagaacc cagatcccct 300

gtagtataga gaggaggaag cgctgccagc tgcccttgaa ctcgtggtga agc 353

<210> 5198
<211> 284
<212> DNA
<213> Mus musculus

<400> 5198
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acattgaaga aactggtttc tcagcaccta caggtgcccg aggagcagca gcacctgctg 120

ttccgaggcc agctcctggc tgatgacaaa tacctctcag attacagcat tgggcccaac 180

gcttccatca atgtcatcat gcggcctcca gaggatgcag cgctggataa gacccatcaa 240

acccagcccc tgtggctcca gctgggccag gttctagaca aaca 284

<210> 5199
<211> 248
<212> DNA
<213> Mus musculus

<400> 5199
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gacatctggt acaatgagtc ttttatgatc ccagaggacg ttcaggtagc actgaagcta 120

ggcagcagca tccggccagg aatggtgcct atcagcagga ttgtgtgtct gggagaagat 180

gaccaggaca ggttcagcca tctgcagcag actgtcctgc ctgaaggtct tgattccatc 240

accttcta 248

<210> 5200
<211> 275
<212> DNA
<213> Mus musculus

<400> 5200
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agacaagatg cacttcgaat cagggtcaac attgaaaaag ttcctggagg agtctgtatc 120

aatgagccct gaagagagag ccaaattcct ggagaactat gacgctattc gagttactca 180

tgaaaccagt gcacatgaag gtcagactga ggcaccaagt atagatgaaa aagtagatct 240

tcattttatt gcgttagtac atgtagatgg gcatc 275

<210> 5201
<211> 546
<212> DNA
<213> Mus musculus

<400> 5201
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gagaagaggc tgatgcatgg cctgtctgag gatgagttaa gctcttctac aagctcaact 120

gataagtcag atggggattc cagggagggg aagagtcata caaatgaaat gaaagacttg 180

gtacagctga tgactcagac tctgaggctg gaagctaagg agagctgtga agatctccag 240

gtcctaaacc cagggtcaga attcagactt catcgaaagt atcgagacac gctggtgctt 300

catggcaagg ttgcagaaga ggtggaaccc cactgtacgg agctgcctac gggtatcata 360

ccaggttctg aaaagatcag gagaatcgtt gaagtcttaa gagctgatgt aatccagggc 420

ctggggattc aactcttaga gcaggtgttt gatcttttgg gagaggaaga tgagttggag 480

agagaggcac gattacagga gcacatggga gacaagtata caacttactg tgtgaaagct 540

cgccaa 546

<210> 5202
<211> 364
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(336)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<400> 5202
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cattctctaa tatcaattca ctcttctggg aatagattta aagaacatga ggttntatgt 120

tgcattcaaa caactgttat ngttttcttt ttacacatca gtggactttt aatattttga 180

tttattctga accttagtga ggctgtcttt agacccttag aactcttgtt caacctaacg 240

tatagcttng taagtcactg tgacttgaca tgtttgactt ctttttccca tcagcaaaaa 300

cattctttta aacatgagtt ccttttttcaa ttaannagng tctaagtcca ggttcttagt 360

ccta 364

<210> 5203
<211> 455
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 5203
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ttggcttcct caagcaaagg ttccttttc tgaagagact cgaaacttga ttctacccta 120

tatttctgac atgaactttg tacaagactt gtgtgaagat ctttatgaac tttttaagac 180

tgacaaagga tttgacanag ctgcttttga aaatcagatg tctgtgatga gaggccagat 240

cttaaacctc actcaggcac tgagagacng gaagantcct atncagctgg cacagatncc 300

atgtgtgatc gtggagtgca gcaaaagtgg cagccagggc cgtgtggtac acctgggcag 360

ctccttcacc cagacggtcc actgcaggaa accgttnntt ctcctnctgg tagcagatgt 420

aaggggaaca actgtgtggt gttactgtgc tgata 455

<210> 5204
<211> 499
<212> DNA
<213> Mus musculus

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<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<400> 5204
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ccaagaaaag ccttgcagcg acaacaacca gatagaagat ccttcttcta ggcctgaggt 120

acaggttcct gtgaattatg tgtaccgtat actgcaggag gagcaatata ccccctgcat 180

agggtccaca acttcagatt tccttcttnc catgcttgat tacctcacng actacatnct 240

ggagntgntg ggctccgaag ccaacatcaa caaccagcaa aatatntcac aagatagaga 300

gagacagaga gacaacgacc gcgaaccctn tcgaggcttc aagaatgcgc ctttctntct 360

gtttgacgag atgcctggac ccagaaggaa tggctaaaga atggggtaca caacccaagg 420

gtggaaagcc tcacagantc agctagaacc atgaaggcta atagcagagg aggctcccct 480

ggtgtccatg actactaat 499

<210> 5205
<211> 354
<212> DNA
<213> Mus musculus

<220>
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<222> (121)..(121)
<223> n is a, c, g, or t

<400> 5205
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gctggtgcgg gaagaggtga ctttcatcta tcagaaactc caggaccagg aggatgagat 120

ntcagagaat ctcctgaata tccagaagat gcagaaaact caggtgaagt gccgcaaggt 180

tcttaccaag atgaagcagc aggcatacga ttcatggcca gaagccgagg gggtgcccac 240

agaaggcaac ggttgctgta aggatgacct ccagaaggag ctgggtgaca tatggtctgc 300

cgttcacagt ctgcagagct ccattgactg tcttgctttg tcaatgggca ccag 354

<210> 5206
<211> 407
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (380)..(380)
<223> n is a, c, g, or t

<400> 5206
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ggtgattctt gagtgcacag aggtcaactc tgtgggcttc ctggtggctt tcgcacacaa 120

catcctcctc tccatcagca cctttgtctg cagctacctg ggtaaggaac tgccggagaa 180

ctataacgaa gccaaatgtg tcaccttcag cctgctcctc cacttcgtat cctggatcgc 240

tttcttcacc atgtccagca tttaccaggg cagctaccta cccgcggtca atgtgctggc 300

agggctggcc actctgagtg gcggcttcag cggctatttc ctccctaaat gctacgtgat 360

tntntnccnt ccagaactcn acaacacaga acactttcag gcctcca 407

<210> 5207
<211> 391
<212> DNA
<213> Mus musculus

<220>
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<222> (266)..(266)
<223> n is a, c, g, or t

<220>
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<222> (272)..(272)
<223> n is a, c, g, or t

<220>
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<222> (337)..(337)
<223> n is a, c, g, or t

<400> 5207
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cagcctggca caccaagtgg attcaccctc cagatgaaga ctgggtggaa ccacatactt 120

ctgtccctct actttatctt aaacaacttt tatttgttga gcatttttca ctaaagtaaa 180

tttaaggatc acatttatat aggagacata tatagaggga gttatataaa tgcataggtt 240

tagagaccca catgggatgt tgtttntctt tntcaatttg agattaaatg tgtgtatttc 300

tttatctctt actctatggt accatgagat cattcanccg tccttgtcaa aggtttaggc 360

tagaaagata cacagctgtt ttacataagt t 391

<210> 5208
<211> 534
<212> DNA
<213> Mus musculus

<400> 5208
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taccgagtcc acacaggaga gaagcccttc tcctgtagcc tctgtcctca gcgctcccgg 120

gatttctctg ccatgaccaa gcacctgagg acacatgggg ctgctcccta tcgatgccct 180

ctgtgcaggg ctggctgccc tagcctggcc tccatgcagg cgcacatgcg tggccactcg 240

cccagccggc tgccgcctgg atggaccata cgctccacct tcctctactc ttcctcgagg 300

ccgacccggg cctccagctc tcccggtagt cctacctcct ctgctgccac ctgaccgggt 360

gttggtagct tctctggctt gacaaagagt ccaaagaatg aaaggcagaa gggctcagct 420

agggcggcct ggcaaattta accacagaag aactgcgaga caggagctac gaacccttcc 480

gggacaagcg agttgcagaa gcctcggcct ggcgagcccg agttaaagga caat 534

<210> 5209
<211> 333
<212> DNA
<213> Mus musculus

<400> 5209
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cctggacttt gagatcgcta cctaccgcag gctgctggag ggtgaggagc agaggcttgg 120

tctgggactt ggggcaggga gtgtggctcc cggcggtgac gtcactggag acaggtcctc 180

cctaagggca cccggagtca gttcctgtgg cctgaacatg agcgccccaa gtggtggctg 240

cgctctctgc agctctgcgg gctgtgttgg aggctttggc tgccttggct cccgtgaatg 300

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<210> 5210
<211> 413
<212> DNA
<213> Mus musculus

<220>
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<222> (120)..(120)
<223> n is a, c, g, or t

<220>
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<222> (122)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(132)
<223> n is a, c, g, or t

<220>
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<222> (169)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<400> 5210
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agaaagaaaa ctccaggacc cggactgccc acatagataa acacagcaag ttcaaaaagn 120

tnnnnnnnnt nntggatatt gagcagaatt ccaagatggc tgcagcccna aggatggagg 180

agaaaatcca gagacttcag aagcagctta gtgatttgaa attgtcaaac aaaaacatga 240

agactcaact aacgagaata aatgtcctta aagacaaaac aattgagagg ctcaggcaat 300

ctgtaacaaa agttgaaacc ttgaaagaga agacagcagc caaaacagac aacttgaaaa 360

ccccatncag atnctgcgga gcaggganca agaccagaaa aggagagggc cca 413

<210> 5211
<211> 437
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<400> 5211
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acagacaact tgaaaacccc atcagatcct gcggagcagg gagcaagacc agaaaaggag 120

agggcccacc agacgccagc ccagagcctt ccagaccctt ccacagtcag ggctgtgctg 180

aaagggctct caggacgaga gcaagagctt gctgacttcc gggaagccat catgaagatg 240

ctgggattta acatgaaaac agcagacaag gatgtcatta atnggctgaa gcttntnntc 300

caaatttatg aaatttctaa aagatcaaag atggcttctc actgtgagcc tggtcaggcc 360

aagtgagcaa gatntacctn tatatgcggt taagaagtta tacacagctg tttcctacag 420

cacccagaaa atagcta 437

<210> 5212
<211> 481
<212> DNA
<213> Mus musculus

<220>
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<222> (322)..(322)
<223> n is a, c, g, or t

<220>
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<222> (412)..(412)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<400> 5212
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gatattcttc aggaggacag agtcagcagt accgatgatg aggacacttg ccaagctgga 120

tgtactgaag atgatgaaac cagtcacagt gacagagaca tagacaataa tgtgaaagtc 180

atcactggca acattaaagc aagcccctcc atgtatatgg agatgttcac tgatcagaac 240

ccacaagctg accaagacct ggaagaaact gaatcagatg gtgccatgaa cccaactgat 300

taagcaggca ggcagaaacg tntcaccatc agctaccatt gtgccctcat gcataaatga 360

agtcctgatg gaaaacagac aaacaaacaa acaaacaaac atctctacac antaagccga 420

aaacaaatnt ataccaaact gctaaaataa atggnaaata cttaatttga gcctggctgt 480

t 481

<210> 5213
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<400> 5213
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gcggcatacc gtcagactga ggttcaagtg accaagttca aggctccaca gtacaccatg 120

gctgcccggg tggagccccc aggggataaa accctgaagc caggaccagg agcccacagc 180

cctgagaagg tgaccttgaa caagccctgt gctcctactg tcacctttng catcaagcat 240

tctgactaca tgacaccctt ggttgtcgat gtggaatagc ctntgctntc tgtgactacg 300

atcctcccac agaaatgtgc tg 322

<210> 5214
<211> 577
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

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<222> (341)..(341)
<223> n is a, c, g, or t

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<222> (374)..(374)
<223> n is a, c, g, or t

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<222> (408)..(408)
<223> n is a, c, g, or t

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<222> (458)..(458)
<223> n is a, c, g, or t

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ggggagaggc tccttgtggt agaagttgta tctctgaggg agttgccctg cttccgttcc 120

ccctcccctg atccacacaa ttgagggact ggtgcttgta ccacccccag gtccccctcc 180

ccccgggact gaagagccag aggttgcctc tcagccacag gtcctgaagg atgtccatca 240

tattaagggg aggttgtgga tcagcctggg gttggggcct cagggaagct gggttcatcg 300

tccctanttg acagttcagt gttcggaagg ttagactcag ncttcatgtg cagggcaaag 360

acttgtgtat caantcttat gggggatggg tcactggtcc ttccccantt ctgccctagt 420

tgtaggtggc gacactagaa gtatgacacc aagtcacntt ggttgacccc gtgttctgca 480

cttggctttt tctgaggggc tgtgagtcct ggattcagag ttgactgctt tgtgctactt 540

gctcagttcg tgccctgtgc atgcttctgt gttaata 577

<210> 5215
<211> 236
<212> DNA
<213> Mus musculus

<400> 5215
aaaacctgct agaaggtgaa atacaaaggc tgagagatcc cgagagagta aagtctgcaa 60

ccaaattaga gcgaactaag aaacctggaa aatcagaaaa gaaaaaggat aaagatttag 120

aaaggaatat atctccaaac agagaattta aatcatttaa agaactgcat caaatccaag 180

aaactgaaag aaataagact caactcgata atgtcctacc tcaaaagtca gagatg 236

<210> 5216
<211> 459
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(398)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<400> 5216
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cctgagtggc atcacacctc tactctacgt ggctcagaca agacagtcaa atatcttaaa 120

aattctcctg cagtatggaa tcctagaaag agaaaaaaac cctatcaaca ttgttctgac 180

aatactactt taccttcga gagtgagaat aatggttgac cacgagttga ttgacattca 240

agaagatgcc aagacatgtt taatgctatg ttccagagtg ctttctacga tctcagtcag 300

ggagatagag acacagctga gcttaggacg acgcccaatt attcaaaatt ggttggacta 360

catcccncca acaagataca aggatccntg tgaantnntc caccttttgca gaataaccat 420

caggacccaa ctgntggcca acaatatgct cccaaatgg 459

<210> 5217
<211> 288
<212> DNA
<213> Mus musculus

<400> 5217
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taaaaattga acattgtcac ttcatctctt tagaacacct ggaagtctga attctagtgc 120

tcagtattca ttatgatgat tttggtgatc aaacctcagc tcctttagaa tacgcaccgc 180

gaggctgccc ttcttgggac aagtgtgatg atttccaatg ccatcccatc agccaaggat 240

tccagcatgt ggctaacttc aaacctcgct tgtgattttt cagggcaa 288

<210> 5218
<211> 476
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<400> 5218
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tttgaggtgg tagttctttc tgtgaggttt tagtattcga actcttagaa tgtgaacaca 120

ttcgagagct gacttcttcc tgagagtttt aactactgga aatccttaac caattatatt 180

ttctttattt tgagaatgat ttggttgctt tttcttagat ggtttctgct attttctgta 240

atcatagttc atctaaacac agcctatntt tcgtgaacan ntgaagtttg taacggaaag 300

ataggatctc attttcagtg aacttccaga ctagcgcact nttcccttcc ctctgtagga 360

agtagctgtt gccaaagcga agaggtagct ggctcttgta taatgggaaa gtgccgtgtg 420

gagcttcagg ggtcagtgtt tattatgaca tctgtcagtc cccaaatggt tctatt 476

<210> 5219
<211> 452
<212> DNA
<213> Mus musculus

<400> 5219
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gtgtgggggc cactctcact cagggcttgt tggtttctgt accagtgttc cttgatacac 120

ctcagtacag gtttgtcagt taactttact ttctaggaag ctcaacagcc caacttatgt 180

ttccttaaac ctatttttta ctatgatggc actttgataa aatggccagc aaccagccct 240

ggccaaaggt tcacatacca cgtcctggag cagctattgt caatgtgggt ttctaaggac 300

ggccatgttc tccttcatgt aagtgcctgt tcagagtctc aaagtttcaa aatgccaaat 360

attttcatgg tcacttgcat gtataatcta ggaaatattc aaggagattt tgaaaaacaa 420

ttgtatttaa ccagcctcaa gttgtgcaac ca 452

<210> 5220
<211> 553
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (509)..(509)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (524)..(524)
<223> n is a, c, g, or t

<400> 5220
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tggctttact gcagtcacag gaatgatcta cttagcagct ctgagtcgtg tccgccttcc 120

agtggcacag ctgcctcggc aggagtgatt tgctcttgat actgaatagc tttatgtact 180

ctgtaatgta taaagatagt gagggtcttc actgttgttt tttaaatctc tagactttct 240

aaaataacat tgagganaaa attgctttac tgatcttaag tagtaagttt ttaaatgaat 300

gggatctaca ggaagataat aatgaaagta tttataacag tgccgttgtt ttatgaaatg 360

catgtttctg gcacttncct cccatgtttt tataacaatt aaaacatccc ctttttaaa 420

cantcattta ggttactagg aagtctgnca gagagattct atgctantca agattattag 480

ggtagatcct gggttgattt acaaatgtnc catattggca tgtncttagg tgatacctca 540

aacacagagc ttt 553

<210> 5221
<211> 306
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<400> 5221
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aagaagaacc cactggctac attcgatttg aaaaatttat tccagtgatg accagagccc 120

ttgtagaaag aagatacaga ccagctgctg aagatatcct tttgcgagct ttcgaggttt 180

tggatccagc taaacgcggg tttctcacta aggatgaact tgtcaagtac atgactgagg 240

aaggtgagcc tttttcccaa gaggaaatgg aagaaatgtt ntctgctgca attgatcccg 300

aatcaa 306

<210> 5222
<211> 542
<212> DNA
<213> Mus musculus

<400> 5222
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ctgaaacgca agaatctggg attgaaagta tggttgatag atatttggaa cctgatgaga 120

gatgagaggt tgaaataaga accatatcct aagagataat gagctaattg gggttaaggt 180

ttcagtgttt gaacgtgaac tttctctgag aatcagagag aaaggagctg gagttgtaaa 240

tagcctgaga aatactttga agggtcaagg ccagagggaa ggagaccagc tggtaggctg 300

cttcgttggc agtgagagat gggctaggga aagtcaagca caaatcctaa gtgtctggct 360

tgaacacttg gtaaataata atatcagcca ttcagataag atgcccaagg cttaggctaa 420

taggcttgac tgtggtcatc tccagcttga agagctggta gaagataaaa agatcaagtg 480

gataaataag gggacatctg ctagagacac aggctttgaa gttgttagca cacggtgttc 540

tg 542

<210> 5223
<211> 246
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<400> 5223
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gtttttaac ggtgacatga agaagatcaa gtncgatcag aaagtgattt attattatgc 120

ggacacacaa acaatgcaca caacctaccc agatggtgtt gaagtggtgc agtttcctaa 180

caagtggact gaaaaattct acccggatgg ctccaaggaa accgtgtttc ctgatgggac 240

agtgaa 246

<210> 5224
<211> 360
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<400> 5224
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gccgagaatg tcctggagga tggaagcact gactatggca ttttccagat aaacagtttc 120

acatggtgca gaaatgcaag aaagcatcag aagaatcact gccatgttgc ctgctcagcc 180

ttgatcactg atgacctcac agatgccatt ctctgtgcca agaaaattgt taaagagaca 240

caagggatga actattggca gggctggaag aagaantgtn agaacaaaga catntcagag 300

tggaagagag gatgtgaggt ttcctgatct gcagcaggtg caagggtgct ttccgtgacc 360

<210> 5225
<211> 495
<212> DNA
<213> Mus musculus

<400> 5225
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ctctctggga actggttcaa gtaacacttc tgggggtggg ggtctctttt tcacgttaga 120

gaagaaaaga aacactgcaa aggcagggag gactcctgag ctccttgtgt gacttgttac 180

ctacagcaca aaccacgcct acttcactaa tgacatcatc cctaatgaca tcatcccgtt 240

atatctcctg gaatctctca cagcagccct tgaagttaga tcattattaa ctctagtcat 300

ttacttgaaa gatggttccc gatgctgtga aagattcgaa atgcagttct gctcttgccc 360

tagacaacag ctgctggttg gtgatgaacc aaggcgcaag tggaacagat ttctcaagac 420

tggagcagtg atcgcctgtt atagaagtca attccactca accacagaga aggaaccact 480

aagccacgtt gatgt 495

<210> 5226
<211> 583
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<400> 5226
tccaatttgg tttcacccaa ctcaacagcc aaggatgccc aggaagaatg gaggttacgc 60

tcaccatcca ccttctagag tagcttatgg caaaatacat gaagaccaat cagctaacag 120

aaataaacga ctctgaagag naagagtccc aaattagaag acagagtggc acagggaaca 180

ttntggaaga caggctctcc ggtgctgccc aagccactga attgctttat gatttttact 240

ttgtttacct tgtttntatg ntacctgttt gtgcaaatgt ccttgaaaga tatttcatgt 300

ggttttctag atgttgtaaa gaaaacatgt aagaaggtta taggtataca ttgatagaca 360

attaaagact taagagtnta cagtaagact gaaaantctt tcattctcta catgccactc 420

aaaatgatac aatatcacca ccagtaactt atgaaaatta catgtatata attacagaca 480

tcaaggagcc aagacacata aaaacacaca tctagagaaa tacatgcaca ctatgaacaa 540

attgaagtgg aattttaacc attcccttag ttgtacacag aaa 583

<210> 5227
<211> 451
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)

<223> n is a, c, g, or t

<400> 5227
cgtgctaagc gtcccggagt ctacacagcc acctgggact acctggactg gattgcttcc 60

aagatcggcc ctaacgcctt gcacttgatt ccagccagcc acccctcanc cgccgactac 120

ccgccatccg atggtctctt ttcaccctcc ttctntncgc cctccttggt atttccaaca 180

cctgccttct cgaccgcttt acctgcgacc actacggcct ctgctccatc ggccgtcttc 240

gacccaaacc tcctcatcac tcatgcccct cctctcgccc ccaaccccag cccagcctgc 300

atcctttacc attgctacac aacacatgag gcaccgcaca acgctgtctt ttgctcggcg 360

tctccagcgc ctcatagagg ccctgaagat gagaacttac cctatgaaac atccctccca 420

gtacagtgga ccaaggaact accactaccg c 451

<210> 5228
<211> 422
<212> DNA
<213> Mus musculus

<400> 5228
aacacccaga gtcaaggcag gctttctaaa ctggctaaat ctgtggaaat ctattaaaat 60

atgactgttt tgttattcac gatcattttc cactctggtc agttttgagt tgctctgacg 120

tcagacgcag aacctaagat tgactgtcgt gccccagggg cctgagaagt gtgtgccttt 180

gtagttttca cagaactaat cacaccccgg tggtagatga gaaacttggg tgagttctgc 240

tgtaatgatg tagtaagagg cagaccctgc ccctgaagga gcaggctccg gcgccagact 300

tcaggtatcg gcctctagga ctgaagcaca gacccgaggc ccacataggg ccttccagaa 360

acctcagagc tctctgagac actagcaact tataggtagg tagtcgctgt ttgacttttc 420

ta 422

<210> 5229
<211> 426
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<400> 5229
aacgacctat tacctgggct gcagacgctt ccagcacaat cagtgttata ggcgatcacc 60

actggaccaa catgactgtg cagtgcgatg tttatataga gacccctcgg agcggcggcg 120

tattcattgc tggaagagtg aataaaggtg gaatcttgat tagaagtgct acaggagtct 180

ttttctggat ttttgcaaat ggctcttaca gagtcacagc tgacctgggt ggatggataa 240

cgtatgcttc aggacatgcg gacgttacag ctaaacgatg gtacacactc accttaggca 300

ttaagggtta tttcgccttt ggnatgttga anggcacgat cctatggaaa aacgtccgtg 360

tgaaataccc agggcatggc tgggctgcga tcggaacaca naccttcgag tttgcgcagt 420

ttgaca 426

<210> 5230
<211> 459
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<400> 5230
aggcaacatg gatgagacct gcatagacca ggtgagacgg aaggccttgc aagaagagat 60

tgatcgtgag tcgggcaaga cagaggcttc agaacccaaa aagtggacng tgggtttgtc 120

ggtcaagaca gaggcttcag aacccaaaaa gtggacggga acccagtttg gccagtggga 180

tacngccggc tttgaaaatg aagaacagaa gctaaaattc ctgaagctta tgggtggctt 240

taagcatctg tccccgtcat tcagccgccc tcccagcatg actatcaggt ccaacatggc 300

cctggacaaa aagtcttcag aaatgctcca gcagagtctg cagcaggact atgaccgggc 360

catgagttgg aagtacagcc acggggctgg cctgggcttt aactctgagg cccgaaaggt 420

cttctacatt gaccggaatg cctccaagtc tatcaagtt 459

<210> 5231
<211> 375
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<400> 5231
tcacctgagt catcagcggc agcagccgnc acctgaggca gcagcctcac ttgagtcatc 60

agcggcagca gccgcacctg aggcagcagc cgcacctgct acacctgctg cacctgaggc 120

agcagccgca cctgaggtag cagccgcacc tgctacacct gccgcacctg aggcaacagc 180

tgcacctgcc gcacctgagg cagcaactac acctgctgca cctgaggcac cagcagctgc 240

tccagctgta gaggaggaag aaatggtctg ggaggcggca gcagtcgttg gggaggcagc 300

tgtgaagccc cccgaggagg aaccgaccag cggagaagca gtcgctacta caaccatgac 360

ctaggcagat agcca 375

<210> 5232
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (429)..(429)
<223> n is a, c, g, or t

<400> 5232
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ctgccgcgtc tcctgggctc gagcccaccc ccagaggatc cccgaactgc ctcaccagcg 120

aggcgtgcct cgtctgtggg cattctgctc agagcggagg agctcatctt gaaaaagccg 180

cggagcgaac tcgtgtttga gggtcagagg catcggcacg gaacttggac cgcagccctc 240

tgccagaacc tgggtgctgc agccccagaa atccgctgct gtgtggatgc tgtgaacttt 300

gtggctgaga gcacaagaga ccaggaagcc actggnagag gaactgtccg actgggtgcn 360

gtatggggaa ggccctggac aatgtctgtt tttgggcagc tttggtgctc ttcagcgttg 420

gttntantnt catcttcctt gggggttact tcaaccaagt tcctgat 467

<210> 5233
<211> 330
<212> DNA
<213> Mus musculus

<400> 5233
gggaaagctg actcaatggc agaaaagtgc ctacgtgtac atgaaaagaa actacatcag 60

aatgactgac ctaggggtca ccgtgaacca accagttttc atgcgcggca aggagcaggc 120

caagcaatcc ctggtcgaag gcattgaagt tcatgacagt gaagatgaat gctttgaagg 180

atcttttggt gtgacaccga taaaacgaat gaagctgaca tcagtgacaa taagttttca 240

taatgtagaa ggaagccttg catctggaga gaatgattgc aacttggcag aaactggtgg 300

cattcaggtc aatgtttgga gccaccggct 330

<210> 5234
<211> 229
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<400> 5234
gacgacgaca accagacagc agagaacaca tgcaaacctg cagaagagca gcctcaacag 60

ctcaggtggg acgatattca cttgccccgg ttctcactaa agcaagggat gatcccgacc 120

cgttacgtca tgccntggaa agaaaacatg aaattcagga acgtgaatct acagcaagca 180

gaagcctgtg ggatctatgc tggccctttg gaagattctc tgttctggg 229

<210> 5235
<211> 451
<212> DNA
<213> Mus musculus

<400> 5235
aaaatgctga tgagcacacc ccactacatg gagcctgggg actttgagag cagccattat 60

ttgtccccag ccaagttctc aggacctcca aaactgagaa aaaataggca ggccttctcc 120

tgtatctcct gggaagtagt ggaggccaca tgtgcctgcc tgctggccca gggtgaggaa 180

gcagagcagg agcactgttc cccaagcttg gctgagcaga tgatcctgga ggagtttgga 240

aggtgcctgt cgcagattct ccacatcgag ttcaagtcca aggggctgaa aattgagtag 300

cgtgcaagct ggtaaagggg aatgcctgtg gcaagcctca gccctgggaa tctgcaccga 360

ggaagctggt gcccagggag gagcagaggc cgcgcatcat ggccaggtca gctgtgaggt 420

ctgagtgatc tgcatggtac tggccagcct a 451

<210> 5236
<211> 361
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<400> 5236
ttcagtgtgc tctgcgagat caaggggaag actggtctct aactggtttg gcaacaaaag 60

aatccggtac aaaaagaata cagggaagtt tcaggaagaa gccaccatgt acacagggaa 120

agcatccaca gtcaccaagg cccggcgtcc caggggtcag agcagctgcc agtccacacc 180

cagcccaggt ccctgtggcc ccttgccact gaccaatgga agtgacgtgg ttctcactct 240

gcggaccctg gccttcctcc agccccccac tgggggagtc tncctacagc ccctggtcca 300

tagtaantgg cagagggccg ccccacagcc agcctcatca cctgcgggag agtctggcag 360

c 361

<210> 5237
<211> 501
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<400> 5237
gccctgctcc atcagtcagg aaaaggatgg tgctccaata tacttccccc cggagtttca 60

gttaaaggaa actctccatc ggtgcaaacc caacaagaat gacttctttc ccacaatgtc 120

tcagaaaaag aagttaaaac cagagctgaa gccagtcttc cctatgaaac ggctagatga 180

tcctaccttc aagggacaac aatggtttag gttttctacc gacaatgatt tcaacatcga 240

agggaagtat tctgaaatct atgctttaag gaaacagaaa aaaatgtatc ctaacctcat 300

ctttgctcca gcctcccaga gagagacaaa gaaacatgtt tccatgaagt cagagagtga 360

aacaccaant tcgcaagtat tttgggaacc cctgacattt tcaaagntcc tagaagagaa 420

gcctacaaga agtgtgccag gggagagntt ctttcgccat ggaagggccc agcagtggat 480

tgtcaaagat gcggctgtca t 501

<210> 5238
<211> 316
<212> DNA
<213> Mus musculus

<400> 5238
gctgtttgat ggatgctact tctttttggg gggaaacttc aagcatcatc caagggatga 60

cctccttaag ctcattgctg cagcaggagg caaagtcctg agtcgcaagc ccaagccaga 120

cagtgatgtg actcagacca tcaacacggt tgcataccat gccaagcctg agtcggatca 180

gcgcttctgt acgcagtaca tcgtctacga agacctgttt aactgtcacc cagagagggt 240

tcggcagggc aaagtctgga tggctccgtc cacctggctt atcagctgta taatggcctt 300

tgaattgctt cctctt 316

<210> 5239
<211> 441
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<400> 5239
cggccatcgg atgagtttga tcacgacgac aaacaaatcg ccatccctca cagcctttga 60

ggaagaaaca gatgggccat tgggagtaat tgcagtgcct ggcctagaag gaagaatctt 120

ccatatttct ccagacatga aagaacattt gcaccaactt agagctgcga gacagcaagg 180

cctgagaact ttccccacca ttagtgacag tgcacgtgag acctctgatt ctgactaact 240

gtaatggagt tggtatgttt tgttagtgct caaatggatc ggaccaagtt tagcagtgtt 300

agacatggta acagaatctn gattgcatgt ntcattctag aattgatgat aattctaggg 360

atattgntct aaatnttctt ttcatttaaa ttttatcaag tcttgtaact tttgantctt 420

cattgtgttg ggccagaaac a 441

<210> 5240
<211> 422
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<400> 5240
atgccttctg cagaattcga taaagaatcc agggagctgc tctctaggct ggaggagcag 60

gaggccaaaa agctaaagct tgagaaagac tatgcagcaa ctgcagagca ggatgcctcc 120

agaatgcaag agaatctggc tctgaggcta gcttctgtgg cagagccaca gggagacctg 180

caaccccaag tggacacgga gctcctggaa caatcagttg tggaaccctt tgtgccagaa 240

cctggaccag tgcagcttcc cacttttgat caagctctgc ccacatcaac ttntacacag 300

tcacctgaag atgtggctgt agatgaggct gcagacatgg ttgcagatga ggntgcagac 360

gaggntgcag atgaggctgg agatgtttca cctgccaggc agttatttct atcttacaca 420

gt 422

<210> 5241
<211> 499
<212> DNA
<213> Mus musculus

<400> 5241
ttcggcgggc acaggcattc agaaacatgg ttccagtcgc catgagtccc cctgtgggtg 60

tctatcttga tgatcattat ggccccatcc ctattgtgga ggttatttgg aagtgctacc 120

caatggtgcc tcgtcccatg catcctcaaa tgatgcctct tccacccagg ccccctccag 180

gattcagaat gcctccacca tttaggccac ctcctctgcc acctttcccc tggccacctg 240

taccacctga tgcgcacata cccaatgcag caagggaata taacccttc cccttcccct 300

tccccttcc ctttcccttc cccaacccat tccccaaccc caaccctaac cccaacccca 360

accccaaccc caaccccaac cccaaccaaa attttgcagg tcccagatac agatactgaa 420

gtctacatca gttttccaaa agtgtttttc aatcagattt atatcgtttg taaacactat 480

cacgcattac ctgtcaaga 499

<210> 5242
<211> 510
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

<400> 5242
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gggttctata tcaaccttcc cgaagacaca gagacagcca agtcactgcc ggacacctac 120

aaagataagg ctttgataaa gttcaagagt tatttgtatt ttgaagaaaa agactttgtg 180

gacaaagcag agaagagcct aaaacagacc ccccatagtg agataatatt ttataaaaat 240

ggtgtcaatc agggtgtggc ttacagagat atttttgaag gagtttactt cccagccatc 300

tcactgtaca agagctgcac ggtttccatt aactttggac catccttcaa ataccctcca 360

aaggatctca cgtaccaccc tatgagtgac atgggctggg gcgctgtggt agaacacaca 420

ctggctgatg ttttgtatca cgtggagaca gaagtggacg gaagacgtan tccaccctgg 480

gaaccctaac cagtccttgc ttctggtgac 510

<210> 5243
<211> 539
<212> DNA
<213> Mus musculus

<400> 5243
gagcgacaca agctgtctat cagtttgaac tctcaggtga agatggtggt acgtggtttc 60

ttgatctaaa gagcaaaggc gggaaggttg gacacggaga gccctctgac cgggcagacg 120

tggtgatgag tatggccact gatgattttg tcaaaatgtt ttcagggaaa ttaaagccaa 180

ccatggcatt tatgtcagga aagttgaaga ttaaaggaaa catagcccta gcaatcaaat 240

tggagaagct aatgacccag atgaattcta gactatgaag gacaagaagt aacaatgttg 300

actctcctca gaagtaaaaa gctcagcagt tagaaatctg ttgtctcccc cactgtcatg 360

taaggacata taagtttgtt ctagaaagaa gtagaatttc tgtatctata agatttgaaa 420

ctgtaactaa aacaactaac caatcacata caagtttaat taagtgacat cctaatatat 480

tgtggttttt ccaagttttc ctctctatgc ctttatttca ttcattgctt tcttgcaga 539

<210> 5244
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<400> 5244
gagaaagatc gaatgccatc ccttctaata gtattatact aatttattaa ggctgtcttg 60

tctgtgagtt cacttttgac gctgttgcct aagcgtcctc cacactggag agagagggtg 120

cttgtttaaa gagaaagcaa gagtcacagt ctgggagaac cccatctcgg accctctttc 180

cagagaacac ccacattcca cccaggttgc caccctgtgg gacccaggtg agttttatac 240

tgtccattcc cctggagcag tcaccttcta gcagtaactg aagcaaagga cttggagtac 300

atggggcagc tggaggctcc tcactcaagc taagtgacct ctttaaccac aagtttaccc 360

tcctcccgag acaaggccac tcatcacagc ccagccggna gncagccgca gcgtcaggat 420

caaaggagac tggcagcagg tgtgaggcca gagaaaac 458

<210> 5245
<211> 416
<212> DNA
<213> Mus musculus

<400> 5245
acttcactgg gctcaggtac ctgctgtaca acttccccat gacctgcgcc ttcgtgggtg 60

tggccagcaa cttcacgttc ctcagcgtca tcgtgctctt cagctatatg cagtgggtgt 120

ggggtgctgt ctggccccgc caccgcttct ctctgcaggt taatatccga caaagggata 180

actcacacca cggggccccg cgtcggatct cgcgccatca gccaggtcag gaatctaccc 240

agcagtcgga tgtgacggag gatggtgaga gccctgaaga tccctcagga acagagggcc 300

agctgtctga ggaagagaaa ccagagaagc ggcccctgaa tggagaggag gagcaagagc 360

cagaggtcta gtgatggctc ctgggaagat gcagctttgc tgacagaggc caaccc 416

<210> 5246
<211> 484
<212> DNA
<213> Mus musculus

<400> 5246
tcaaagaagc gtccccagag tcagaggatg aggaagaggc tttgccgtgc acagactggg 60

agaactagca ggtgacttaa gagagaagaa aaatacccat ggatgaagac tggctctggt 120

tcctttgggg aaaaaatcta agctcttggt cccacaattg gattccatta tgtcctgagt 180

atattgacaa agtggtttga aaaaggaagc acaaacggga ggttactact gtccagtccc 240

tctcattgat agtgcaatgt tcccgactgc agagagaaca agcctcctgg agacggctgt 300

tccttcccca cccctcctcc ccatctgccc aatcataatc tcatagtggc cagtcccatt 360

gctatgaatt ggaagaacac tgggttggca gaggtctgct gtacgagcta ctttgggatt 420

catctttcag tgaactgaga agatctgtgc tgaagcacag ccgcttccat gtcagcttgt 480

agag 484

<210> 5247
<211> 435
<212> DNA
<213> Mus musculus

<400> 5247
gacacgtgtg gctggaagat cctttctcag gttcttttca ccgagacgga tgatccggag 60

gagtattacg aaagcctcag cgagctgcgg cagaagggct atgaagaggt gcttcagcgg 120

gccaggaagc gcatccagga gctcttggac aagcacaaga ctatagaaag catggtagag 180

cttttggact tgtatcagat ggaggacgaa gcctacagca gcctcgcaga ggccacaact 240

gaactctacc agtatttact tcagccattc cgagacatgc gagaactggc catgctacga 300

agacagcaga tcaagatttc catggagaat gattatttgg gccctcgaag aattgaaagt 360

ctacagaaag aagatgctga ctggcagcgg aaagctcaca tggctgtttt gtctattcag 420

gatctcaccg tcaaa 435

<210> 5248
<211> 476
<212> DNA
<213> Mus musculus

<400> 5248
ctgcccagtc tggaatcctt gatagaacaa tgtgtctgat tatgaagaac caaagaccca 60

taaaaaagta tgatggttat acctcgtgcc cactggtaac tggctacaac cgagtgattc 120

ttgctgagtt tgactacaca gctcagcccc tggaaacctt ccctttttgat cagagtaaag 180

agcgaattac tatgtaccta atgaaggctg acatgatgcc attcctgtac tggaatatga 240

tgctcagagg ctactgggga ggtccagcct tcttgcgaaa gctgtttcat ctgggcatga 300

attaaagatg gctcacagct tgcttttctt ggatggcttc tggatcaaaa tcgcagttac 360

tgattgacat gacagataca aaggactcag aacctcaccc tttaaggagg ttggacatgg 420

tgacctttct aggcctctga atagctatca tgtggacaac ccagaacgag tctttg 476

<210> 5249
<211> 419
<212> DNA
<213> Mus musculus

<400> 5249
ttggcggcct ttgttactat ctgtctcctc ctgagtctat gggagccata tttgaggatc 60

ctgttcatgt agttgtatat attatcttca tgttggggtc atgtgcattc ttttctaaga 120

cgtggataga agtttctggt tcttcagcca aagatgtggc caagcaactt aaagaacagc 180

agatggtgat gaggggtcac agagatacct ccatggtcca tgagctgaac aggtacatcc 240

ccacagcagc tgcctttggg ggtctgtgca tcggtgccct gtcagtacta gcagacttcc 300

ttggggccat tggctctggt actggaattc tgcttgcagt cactattatt tatcagtatt 360

ttgaaatatt tgttaaggaa caggctgaag ttggtggaat gggtgctttg tttttctaa 419

<210> 5250
<211> 251
<212> DNA
<213> Mus musculus

<400> 5250
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ttgacactgt ccatctagtg ttagccatga cgctgggaag cagtgtatct gcctcgctgt 120

tggtcagaca gcaagacagt gatgtggatt agcttcgcac acaacattca gaacactgaa 180

tattcccttg tttaaaaata agtgcagtgc agattgccac tttccagtat tttgagcttc 240

cctaatgagt t 251

<210> 5251
<211> 561
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(320)
<223> n is a, c, g, or t

<400> 5251
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caagtgagga ggctggtgtg ctggagtatg caaacctcgt aggacagaag tgctcggaga 120

ggatgctgct gttcagacac tgaaggcctg cacctcagcc cagcgccagc ctggcatctc 180

ttgccacagt cccacctgct tctcggctcc tgcagccatt caccaagtac attcgtagag 240

ctttttaaaa atattttngt ggaattgtat ttatgagaat cttgtggtta atataaagat 300

tttaaaatat tctatgannn agccctttaa ttgggacttg tcctttgcag cttgcttctg 360

gagcaaggtg tgcttcatgt ctccagtgaa tatttaggga aggaaaatga agaagtcaat 420

ataagtcatt ttgtcacagt tactgttctg tgctggagaa attctgacac agagactgtt 480

cttttagacc aatggttctt aacctgtggg ctcaccacac tcacaggccg aatgttagat 540

agcctgtgtg agatcaactc a 561

<210> 5252
<211> 495
<212> DNA
<213> Mus musculus

<400> 5252
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ttcagagcaa agccggccag ctcgcctgac cgccagtgag cagccagtgc atccgtgcag 120

tgcagctgga gaggctagcc tcagagcctc gctccggtta ctttacagca agtagatttc 180

tgggtgtgtc ctaaaggtca gaggtcaggt ctgcatgctt gagcaggtgg aggatttgcc 240

cctccccaac tgggacccac agtggcctca ggggctctgg gccgcagctc tgggtctggg 300

tcgagtcagg ctgggctgtg tgtctgcctg gttggttagt ctctaaccac ctgtctggcc 360

tctgcgccag ggtggggagt gaggacattg gtgtcccgcc ctatgtgggg gctcacagac 420

gatgataagg taacagctct cagcagttag gcacgtgagg gcacggttct cggtagtcac 480

cacaatgttc acaat 495

<210> 5253
<211> 555
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<400> 5253
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ccaggtgaca attccagatg acgataatga acgactgtcc aaagttgaaa aggccaggca 120

gctgcgggag caggtcaacg acctcttcag tcggaagttt ggtgaagcta ttgggatggg 180

cttcccggtg aaggtcccct acaggaagat caccatcaac cctggctgcg tggtggtcga 240

tggcatgccc cccggggtgt cnttcaaagc ccccagttac ctggagatca gctccatgag 300

gaggatctta gactctgcgg agtttatcaa gttcactgtc attagaccat ttccaggact 360

tgtgattaat aaccagctgg ttgatcagaa cgagtctgaa ggccctgtga tacaagaatc 420

agccgaggca agccagttgg aagtcccagt aacagaagaa attaaagaga cagatgggag 480

ttcacagatc aagcaggagc cagaccccac gtggtagacc gtggctctcc aggttcgtcc 540

agtgtccagc gtgcg 555

<210> 5254
<211> 568
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<400> 5254
ggctcaagag gctcaacggg acaaagggcc agagcctccc agggctgggc ccagggcaga 60

acacccacga ggggcagaga ggggcagcct ctggcgcttt ggcgatgtgc cctggccctg 120

ccctggtgga ggggacccag aggccatggc tgcagccttg gtggccaggn gccccccctct 180

ggaggaacag ggggctctga agaggtactt gagagtccaa caggtccggt ggcatcctga 240

ccgcttcctg cagcgattcc gaagccagat tgagacctgg gagctgggcc gagtgatggg 300

agctgtgaca gccctttctc aggccctgaa ccgccacgca gaagccctca agtgacccta 360

gggaataagc aagaacctgt ggggatgtag cctcaagaat agacggaagg aagcaaggtc 420

gtggatgggg atggacaaga aggggcagct gcggcacaga gaggagagga tatgggacgg 480

ctaacgtaat ggttgtgggg gtggggtggg ggaggctcta ccactgctct ggactgccat 540

ttcctaataa gacttggttc cacacctc 568

<210> 5255
<211> 381
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<400> 5255
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ttgaccctga cccacagact catgttgctt ggtgttgaca gtggctatgt gtcattcatg 120

gagtaaacat agtttcatta tcatttttac ctgatgctat aatgctttcc atgcattgta 180

atatatttga gtttacaatt aaattgcata ccttaaatat gctataactt atcactcatc 240

tataattgaa cttcgagctt gaaaatgtga agtaatttaa taganctncg acattcaaca 300

ttaagaataa gtcatttagt cttcacttat gcaatagatt gtgttatatg gaaaaggtct 360

ttagcaaatt gttcaaactc a 381

<210> 5256
<211> 128
<212> DNA
<213> Mus musculus

<400> 5256
tgttcctgaa cacagtgcac ccatctatga gttccggtga cagaggttca gaacagtggc 60

caaataaaac tgaacttggc aacaaagagc tttgcgagga aattatgtac ctgccagaac 120

caggagag 128

<210> 5257
<211> 441
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<400> 5257
gcaaatggga gcttatcaac gtctaaagca aggaccaaat tacatagcaa ataacattta 60

aatcactcct taagtgatgt atgngatgta tgttaatttg gaaattngtg atgatgtaat 120

aacnctctat cccaaaggca cttagaagaa atgcgctcac tatgancagt gcctgcatct 180

gcctgatcat atttaaaggc acagaagaac gtgtgtaatt aatctgccca gtaaatacca 240

acttcgagca ctaggcaggt gcaagtctag ataaaatttc ttncagctaa tttaaacttt 300

cggcacacac cagtagctaa tctcaatgta nataatacat ttctccttca ctctctaatg 360

taagccttgc agtacaggag tcttgactta tatactctgt accacatatg tttctatata 420

cttttaacat ttctggctag a 441

<210> 5258
<211> 340
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<400> 5258
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gagcccctcc ccttccacga ccttgcacgc caggccggat cacgctgcgc gacctgaagc 120

agtgcgncct ggcgggtgag ttcttcgacg ccttcttcaa cgtggacaag tacctggcac 180

gggagcagcg cgagcaggcg gggactccgc aggacactga ctccgacccc gcggcatctg 240

cctgggacag gtatgccgcc gaggagtacg acttcctcgt ggccgaggag gccatggcag 300

aggacgacga cgaccatgac gaagggtccg accccataga 340

<210> 5259
<211> 525
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<400> 5259
agaaccaaga aatcgaccct tccaggaccc ggagctttc caaggcactt cctgntaggc 60

ctaacttcca ccaggcagcc tcgcctagtt cagtgcctgg ctagtaatct ccagctggct 120

ttgaggcttg gcccatcatt tcccaatcca cagcaaggac ctgtgctcaa gccaggatat 180

cgtcccaggc ttgctggagt tagtaatgta ccaacgtttc agcacagcct ggagctttta 240

aagacattga agctgttttc cctcttgcta tggagacacg ggaattggta tcctaaatct 300

ttgggtttga attccgttnt catcactagc tcagcaagtc cagacaagtc acataaccgt 360

ttcaagcctc tgttttgntc ntgttaaatg gcaacaataa aagcaactca tacagtgaga 420

agttacctcc agcacaccaa gagctagcta cgattccatt tcttntctgt ttccccccctg 480

cctctttctt acaaatatgt tacttttggc tcattttctt cactg 525

<210> 5260
<211> 384
<212> DNA
<213> Mus musculus

<400> 5260
tcgcaaagct ccgaggaagc catgaagctg tgcctagcca ggttgttcct ggcgtactgc 60

agcagcagca tgcagttact gctcacgctg cactccctgg aagccctgct ctgcagtcgc 120

ccctctctct gccttctcat tgtggacagc ctgtcgtctt tttactggat agaccgagtc 180

agtggaggag agagtgtggc cctgcaggag tcaacgctgc agaagtgctc tcagctccta 240

gagcggcttg tcactgagta ccgcttgctg ctttttgcga caacgcagag tctaatgcag 300

aaaggctcag actctgcaga cgggccttct tcctccaagc acccatgcga tggagacatg 360

ggctacagag cctatctctg caag 384

<210> 5261
<211> 449
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<400> 5261
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gacaaggtcc taatgcactt tttaaacatg ggcttgccga tgaagcctag cattcttgtg 120

caaaagcaga gtaaggaaga gatggccaca tccttaggag acaacatcaa ggcagaagac 180

taccaaaagn aacagacata tgagcctgtg aatgctagag aaaccnacca tgagggtgag 240

cttgctgaga aaatgcccat acatgtccac agatcttcag atacaggaag ccaaaaaaga 300

cctttaaaag gagtgacatt ttctaagnag gtgattgttg tggaccttgn aaacgaatac 360

cctacacctn naagctatgc tcgagaacat aaggagagga aatgaagtgt agaaaaanct 420

gtgcggaaag tgtaaccttt gaccagctt 449

<210> 5262
<211> 520
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (206)..(206)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<400> 5262
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ttccgtggat gaagcacctg gtgggcggca ttgtccgcat actgatagat tacatggatt 120

acgtccctct gtgtgcaaaa ctgaagtctg tgctagaagt acagagagaa tggccagaaa 180

tacgccaaat aatagagaat ccttgntccc taaagcatct gtgccgatta aaaattcgcc 240

gagttatggg actgcagcga ntntgccagc cagcctccat acagatgctt cntntcccgg 300

cggcgatgcg aagatactta ttatttaaag agtttgacnt ctacggacag tagctaaagt 360

taatataact ttaaaattat attttaaaat gtgattctta aagcattttt ttttaactgt 420

gattccccta gagaagtcac tggaatcatt ttgtattctt attttgtatt cttaagtgta 480

ttttaacacc actgagaatc tcgtagctat gtcgtgtccc   520

<210> 5263
<211> 401
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<400> 5263
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caccctgagg agctgtgcga gctagagatc cggattaagg agctggagct gctcacaatc 120

actggggacg gcttcgactc ncagcgctat aaattcctga aggcgctgaa agatgaaaaa 180

ttacaaggac tgaagatgag caggcaacct ggaaagtcng ccnncctgct cctgaggagc 240

tgccccccac gccccccgga gntgggcagc tgcctcctta ggtgttagtg cttagataat 300

gtntcctagt tgttgtcatt tcaaagatgg ttattttctg ttctgtattt actactgtta 360

tcattgctct cagcacatac ttcacataca gtgcccactt g 401

<210> 5264
<211> 388
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<400> 5264
atactactct tggtgtttct atcagtacag cagcagcaat ggcactgctg tnactcacac 60

ataccaaggg atgacancat atgagataca acagcctcct cctccagtgt tgactacagt 120

tgcaagtact gttcagagca cacatttcaa tcgttcatac tctgaacatt ttagttactt 180

tcctggacag ccacaagcaa attcctttaa cccaggaaac gggtattttc catctcacac 240

gcctgtttct tacaattacc aacaaccagt ttattcacag tttgcttctc atcaaccagt 300

cccacaggct acatatcctt atccgcctaa cccaggtgng cctcctcaag ttccttggac 360

ttatgctcca tggcaacaga atccgttt 388

<210> 5265
<211> 557
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<400> 5265
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gtttaatgaa aaaaatcctt tatggggtct ttttataaat aaanctaact gcatttaaaa 120

atctaataag aaaaccagaa gcaacagtgt gtctatattg ctntaagttt gaaattatac 180

tggatttcag atcaactaaa taaaactggg gttaaaagct acagaatttt gttaacagtt 240

ctcacatgtc aagatgatac tgaactatac tgtagagata cagagcacta aaatttatct 300

ggaaaattaa catttgtgtt gattacattt atttgttaat agattttcaa attcaagtag 360

caacttaaac aaaagccatg tgcaaaattc tggtgtatga tttgttaana aagcatttga 420

aagactcaaa agcaagaatg gagaattaat gacattcatc tttttcatat tgcttatata 480

ttaaaatgca gaatttaata ttccaatgtc aatgtaacca gcaaatgttt tataatgctt 540

tcttgttaac atcacat 557

<210> 5266
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<400> 5266
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aggccggatc cagtccctct tctagtctct cgggggccgt ccagcttgcc atcagagagg 120

aagacactgg tttccaagga gacagtcttt ccagctcagc tctcccacca ctctccgaag 180

gaaaaagctg agggcaagtc ccagctgtta tcttggcggg atccggtacc tctgcgccag 240

ctggtgccta tgagcgtgtg gcccaagggc tttattcatc cactccccaa acctttgcca 300

gggcaagntc tgagcacctt tatccatgtt gaaggggttc acatccctag ggcagtntnt 360

ccggtgacat cactggtgga agataacaan tnttntatgc cacctttact aaaatgaacg 420

tgcctgctca attaattgct atttatctgt gtctactgta aacacgcaaa actgtccatt 480

tttaactgag aatatatttt tatcctcaat gtgaacccag ttgggacttc cagaata 537

<210> 5267
<211> 493
<212> DNA
<213> Mus musculus

<400> 5267
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agtccaccag ggtctcgaga gcatggggtt ggccgctctg agcagcgaga atacggcgtc 120

cctggtgggc cagctccaga acattgccaa gaaggaaaac tgcgtccgca gcgtcattga 180

ccagcgtata cacttgttcc tcaagtgctg ctttgtcctg ggtgtgcagc gatccctctt 240

ggaccttccc gggggcctca ctctgatcga agctgagctg gcggaactgg gccagaagtt 300

tgtcagcctg acccatcaca accagcaggt gtttgccccg tattacaccg agatcttaaa 360

aaccctcatc tccccagccc agaccctggc caccaaaggt gggtctctct gatgacatcg 420

gctcggagca ctggcacctt ggacccagga gaaagcgcat ctccctggga tgacatcacc 480

actgagcagc agg 493

<210> 5268
<211> 311
<212> DNA
<213> Mus musculus

<400> 5268
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ataaagtatt ggtagcagac ttcttagaac aaaattatga cactattttt gaagactatg 120

agaaactgct gcaatctgag aactatgtga caaagagaca atctttaaag ttgctaggtg 180

agctgatcct ggaccgccac aatttcacca ttatgaccaa gtatatcagc aagccagaga 240

acctgaaact gatgatgaac ctgcttcgag acaaaagtcc caacatccaa ttcgaagcct 300

tccatgtctt t 311

<210> 5269

<211> 442
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<400> 5269
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aacgagatag aagagaagaa gctaaaggcc gggaacccga ggatctgtgt caaggccttt 120

cccccaaaca aactggagcc ttcccaaaag ggaaagctat gctgtgccct gggctggaga 180

gggatacccc aggacctgac accgaaaacg gaccacaagt acatggggtt acctcactcc 240

tcaggctcct cctactgcta gaatcggctc ttcacccaaa gcgtcactgc tacacgtttt 300

cagaggacat tgagtcccca cccctctttc ttgaccggan ccagctccta cagtggtcca 360

tcaaggcccc tgtttagttt gcaagaagtt atgctttgct gagttttgtc tacctcctga 420

agtagagttg taagacccca ct 442

<210> 5270
<211> 474
<212> DNA
<213> Mus musculus

<400> 5270
tatctcagag aggacgtgcg aattcctttg cctaatgaac tgtatgaagc cgagctcatc 60

atcatgagta atgaccagtg taaaggattt ttcccaccac cagttccggg atccggtaga 120

agctactaca tatatgatga tatggtgtgt gctgctgact atgacatgtc aaaatccatc 180

tgcgcaggtc tcctactttg acaagtggat taaagataac aagaaatcat catccaactc 240

aaagccaggg gagtcccctc accatccagg atcccctgag aatgaaaatc ccgagggcga 300

caataaaaac caaggtgctg ttatcaagcc gacggtgtgc acagccctgc tgctctccca 360

gatcctcctg caacagttga tttagttcag ggatctgtga tggagccacg gggccttaga 420

cagccagaat gtcctgcaag ccacctcact gagcactgtc attcatgcct ccat 474

<210> 5271
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<212> DNA
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<400> 5271

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aaatggcccg ggtctttacg gttcttcggg aagagagtga gaatgtgctg accctcaagg 120

gcctcactcc cacaggcaca ctcccactgg gggtcctctc tggaggaaag cagaccattg 180

agactgccaa acaagaagcc gcagaggagc gggaagccat cagaggtttt acaattgcac 240

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<212> DNA
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 5272
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ccacctgccc gtccccgaga gctgtcgctg ccatcgccnt cctccctgca ggtctgcagg 120

gattgcccca tccctgtggt tttttacttt ttccagacaa gttctcaagt atcccaggnt 180

ggcttcctga ctctctcgag tagccgagga taaccatata cttctgatcc cacctgtacc 240

tcctgagtcc tgttttaatg tggtgctgag actcgaaccc atggcttcgc agatgctagg 300

cagacgcttt tcgagctgag ctccaccccc agcctctttg tccctgcttc ttcttgccct 360

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (396)..(396)
<223> n is a, c, g, or t

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<222> (404)..(405)
<223> n is a, c, g, or t

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agaaggactg gcgaggtggc cgcggcgctc accaaaacat catcccatcg tccactgggg 120

ctgccaaggc tgtaggcaaa gtcatcccag agctcaaagg gaagctaaca ggaatggcat 180

tccgggtgcc aaccccaaac gtgtcagttg tggacctgac ctgccgcctg gccaagcctg 240

cttcttactc ggctatcacg gaggctgtga aagctgcagc caagggacct ttggctggca 300

tccttgctta cacagaggac caggtggtct ccacggactt taacggcaat ccccattctt 360

ccatctttga tgntaaggnt ggaattnccn tcaatnacaa cttnntgaag cttgttgcct 420

ggtacgacaa cgaatatggc tacagtaacc gagtggtcga cctcc 465

<210> 5274
<211> 297
<212> DNA
<213> Mus musculus

<400> 5274
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ggaaaggcca gctggcctaa gttcacactt ttgtcccagt ggccctagac tccacccagc 120

cagctcccaa aatgaaaaga ccacctgtca agcagcagtc aggagtctga tgtcacccat 180

cactattttt tttccatcat tgtgcttgcc tctgcctcct tccacacccg tgtgacgtaa 240

tcgcattggg aagccaggac aatgtttgct gttctgcttt gggtaaaggg actccct 297

<210> 5275
<211> 380
<212> DNA
<213> Mus musculus

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<222> (198)..(198)
<223> n is a, c, g, or t

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<222> (201)..(201)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aagacccaca gtagccgaaa agtctatcag tgtgagtact gtgaatatag caccaaagat 180

gcctcaggtt ttaagcgnca ngttatctcc attcatacga aagactatcc tcaccgctgt 240

gacttctgca agaaaggatt ccggagaccc tcggaaaaga atcaacacat aatgcgacat 300

cataaagaag ttggcctgnn ctaagtgtgt aatcctaacn tatggggaca ttggcattca 360

ggcaggaaat tcattttaaa 380

<210> 5276
<211> 342
<212> DNA
<213> Mus musculus

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<222> (142)..(142)
<223> n is a, c, g, or t

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<222> (149)..(149)
<223> n is a, c, g, or t

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aaggatttca taggccttca gaactcaaga agcatgtggc tacccataaa agtaaaaaaa 120

tgcaccaatg tagacactgt gnctttaana gtccagatcc atttctgctt agtcaccata 180

ttctctcagc tcacacaaag aatgttccat tcaagtgtaa gagatgtaaa aaggaatttc 240

aacaacagtg tgagcttcaa acgcatatga agacccacag tagccgaaaa gtctatcagt 300

gtgagtactg tgaatatagc accaaagatg cctcaggttt ta   342

<210> 5277
<211> 252
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

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cagaggacac ccagagctac catctggtat ctgccagttt ccaactgact ctacccagca 120

tccccctccc cactttccca taattcatga catcaaaaca tcggcttttc ccttgagact 180

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tgggttgaag ga   252

<210> 5278
<211> 504
<212> DNA
<213> Mus musculus

<400> 5278
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gtgccgaggg tttgcctttg atatcccagg cttttatgac tctggttttc tcaagggtaa 120

attagctctc ctttccttaa ccacgggagg tacagcggag atgtacacaa aagatggggt 180

cagtggagat ttccggtact tcctgtggcc acttcagcat ggtacactgc acttctgtgg 240

atttaaagtc cttgcccccc agatcagttt tggtcttgat gtttcatcag aagaagaaag 300

gaaagtgatg ctggcatcat gggcccagcg gctgaagagc atctggaagg aagaacccat 360

ccactgcaca ccccccttggt acttccaaga gtaacatttt tgtgctctga gtacagctga 420

caagcaacac agtgagagac ctacagcatg tgcaaagaga aggtggtgtt gtatcctgag 480

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<210> 5279
<211> 477
<212> DNA
<213> Mus musculus

<220>
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<222> (149)..(149)
<223> n is a, c, g, or t

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<222> (416)..(416)
<223> n is a, c, g, or t

<220>
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<222> (418)..(418)
<223> n is a, c, g, or t

<400> 5279
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tccggatccg gcagcttgtc cgaatagacc atattccgga tctgccactg cctaaacctc 120

tgatctctta cattcgaaag ttctactant atgatcctca ggaagaggtg tacctgtccc 180

taaaggaagc gcagctcatt tccaaacaga aacaagaggt ggagccttcc acgtagcagc 240

aaggacccct gctgttgaac atgaaggcat ttgatcgcca ggctccagct tgaagaacca 300

aatgaggcta ccacaaaaga agaatctggc agaaagagaa gagcgggttg tgattcctgg 360

cacagacttt ggttcccctg tagccctggg gcttggaaga agcacacaac catccncnaa 420

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<210> 5280
<211> 431
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (300)..(300)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aacctgtagt cctacttttt aatgcaatgg ccgttaagat agactacacg aatgactcgt 120

ttgttaaggg acagatgctt ttgtacaaga tctctgcctc acttttgtgt attagcagcc 180

tttgcacatt tgtttccgtg agctggaacc atgttgtaga cctttacgnc cnaaccacac 240

ttgattttcc acccagcttt cctgttaaga aaaaggatnt taaaatgaaa cantntactn 300

ctgcattccc aatagggntc ctgacagcta ccatgtcact ntttggtgtg attatattcn 360

tctttgagat gagctctttg gatccacaga gtgaagtgga ggcccagtgt gcttccagac 420

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<210> 5281
<211> 179
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (89)..(89)
<223> n is a, c, g, or t

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<222> (97)..(97)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (144)..(144)
<223> n is a, c, g, or t

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<222> (149)..(149)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 5281
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atgaacacgt agagctcaga gaattntcnc tgattgnggt ggacnagngt caccacaccc 120

acnaaggaca ccggtntaca acanccatnt tganccggta cctagaacag aagctgaag 179

<210> 5282
<211> 569
<212> DNA
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<400> 5282
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gctgatacca ccaaggagga ggctgataac agcaaggagg ctgaaggtac cactactgag 120

gacccgcgct cgatctccga ggagagtgcc gaactagaag aaagccctcc cttaggctca 180

gaaccccctg cccagcctga gtcacaagaa gaagaaaccc aggtcacaga ggaaacagca 240

tcaccccaag gttgatctgc aaaattctat agttgctttt gtatttttag tgaccttagc 300

ccttcttcct agaatatttt aatatacctt aaagaattta actttactaa tagatatttg 360

attgggagtt ggtattttac aagtcttaat agtttttcca ccctctaaaa tcaggctgtg 420

ttaagacctt aaatagtgtt aagtttggat ttaagtttta cgttttagaa actgagttat 480

ctatgcaacc ggtgtcactt tgattttcct ttgcctttct cttactttgt tctatgtaag 540

accagattac tgggtttgct gtgaactca 569

<210> 5283
<211> 487
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

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<222> (326)..(326)
<223> n is a, c, g, or t

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<222> (382)..(382)
<223> n is a, c, g, or t

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<222> (454)..(454)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (461)..(461)
<223> n is a, c, g, or t

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tggacatatt tctaacctgt gccaagaggt tctctcctcc ccctgatcca aaagactgcc 120

tcgtctttga agattctcca aatggagtgg aggcagccat ccactgtggg atgcaggtcg 180

tcatggtacc tcatgaaaac ctgagcgcag acctaacacg aaaagccacc ctggtgctga 240

gttccctcca cgacttcaag cctgaactgt ttggtntacc tgcctttacg gaataagggt 300

gaagggtgac ggtgctgctg tgggcntcat gtaacccaaa gttggctcag gacccatgtt 360

gctgagtgga aacattagga antcaacatc atccaaattg taacctttct tgtcactgta 420

ggttataaag tcatgggttc cattatgtat tcantntcct ntgtgatttg ctctacattt 480

gacagta 487

<210> 5284
<211> 516
<212> DNA
<213> Mus musculus

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<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (327)..(327)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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catgtattga aagccaccag tttcagcccc aaacattctg gaatggatcc tggagatcac 120

agtggaaatt aaccatcaca ccacccacag cacaggtcat tggaatgctc aagtctcacg 180

ttcattatta tgaaaatgga aatatccagc tagttgtcca taaagatgta catgagtcat 240

taactgttat caatgaagat caaactgcga aggtgtttat taanatcata ganatggtag 300

aaaatggnna tcangnagca nttaatnaaa actancacac aatttcatgt acaacattna 360

aanccttgcg cagacagctt ccaattacct accacaaaat cgactggaac aagatactta 420

gctacaaagt ntgcaaagaa ctcaagttga aacatgntta atggcccact gtagcagtnt 480

ntaggaagtg tgggcataaa agatccaaca gggttt 516

<210> 5285
<211> 477
<212> DNA
<213> Mus musculus

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<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<400> 5285
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gccttactaa atatacatca ctcttctggt tgactctaaa cctgcccgtt tttaacttca 120

acccggaagg aagaaggact cccaagatca atagggacct gtaggaactt ggtttgagtt 180

tgttcaagct ttctaatatc tcattttcac aggcactgtg gtttgtgtta tgtttgtgtt 240

ttgttcgtta ttttcccttt tcagaacccc tatcccagca gcgtcctcct tgtctcccac 300

actgtctgga gtaggagctg ctgtaacctt gaagcccagc agtccactgt ctgctggagt 360

atatttcaat aacctntngt tgccnacaat ttggcccttg agttcgagca cctaacccta 420

ttttgctatt tcttgaatgt ttctcttaca ccccctttg ttctctacag tgaaact 477

<210> 5286

<211> 448
<212> DNA
<213> Mus musculus

<220>
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<222> (299)..(299)
<223> n is a, c, g, or t

<220>
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<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<400> 5286
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gacaagaagt gcttccacca cctattgata gggaatactt tgaccgtgag ggcagacagg 120

aaagagggca ttcacctaag gatgggctgt atagtgcatc tcgtgaatca tacagtagta 180

ataccaagat ttgggggatc ccatggaggt cgtggagaaa gcagatataa agtggaggca 240

ggtactaaag tcttaagttg tgtaccaaac agcatttcta agaagaaaaa taagatgtna 300

ttcctatgtt ctccaaatgt taaaagaaat atgttgatnt aggagataag gcaaatagta 360

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ctaacattcc acccatgaat tcttctag 448

<210> 5287
<211> 528
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

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<222> (400)..(400)

<223> n is a, c, g, or t

<400> 5287
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ggcaaacaag agaaagaaaa gacgatcagg cactactatc aagacaggca tgcaaaagaa 120

cataagatca cactattcat ttatgaccaa caagggcaag aggatgtgat cacacactta 180

gaccaaaata atcaagagga gaggaacaca ctatttgatc atggcaatca agtgaaagag 240

gagaggatca aattttgctt tccaaacaag aaggtagatg aagagagaac cacattctgc 300

tctccagaaa agcaggagaa tggggagata ccggtcccct tctatcaaca cacacccctg 360

catggaggga tgaccattct gcaactacac gaacangnan caggagatta tgcacaggag 420

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gacatcagcc agctatgact agacatcatg ttgtttcgaa aggcctaa 528

<210> 5288
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<400> 5288
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tatggcagag ccacagggag ataagcaatc ccgagaggac actgtgcttg tgaaaagagc 120

agttctggat ccctttgaac caaaagctgc aatagagctg cttccgactt tagatcaagc 180

tctgcccaca tcagctgata cacactcacc tgtagatgtg gctgcagatg aggctgcaga 240

tgtggcagca gatgaggctg cagatgtttc acctgccagg cagttatttg tgccttacnc 300

tgtgcccaca gatacaccag gttttgtttt ccctctgcct gaggttgaca tatagttagg 360

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tatagaaaat atcttattgt tttgttgggt tctatttttc atattgtt 468

<210> 5289
<211> 227
<212> DNA
<213> Mus musculus

<400> 5289

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ctactgagga gttgccaccc cagtaggccc ctgctgagca gttgccaccc caggaggccc 120

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cttcctcaga tgaatcttct tatatcactt gtcctgagtg ggaatag 227

<210> 5290
<211> 536
<212> DNA
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<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

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tgctgatatt ggatgatagc aaggttcaga agaccttcca gaggatttcg aggatcttct 120

gtcctcaagg aatcgattac agatttctac ttgcagaaaa ggtctcattg ttggaagagt 180

gtcctgctga ttggtaggga agtggcaccg gagacagagg tggcaacagc agccaggtgg 240

actgggagca agaagagaag gaaaacatgt tctcatctca ggaacaccca gaacccttg 300

atgtgcaaaa agattataag cggcaacttg gggaacttcc tcactggggt aaagttcctc 360

tctctccagc agacatcaag tgatcagggc attntccgaa tgaatatcaa ccatcgagga 420

tatccacaga gatctgggtt taagatctgc ttaggcagaa gtgacaccaa gagtatcata 480

tgctgaaacc tggacacaaa ttgtatggtt taaacaactc ggaatacaca gactat 536

<210> 5291
<211> 444
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<400> 5291
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tattaatagt caactcaact atcctatgtt atgttcctag aataaaaaat tgttacatct 120

atttcattac catggtttaa ggtaagctca ccttcctaag ggtagttcct ctgtcaggag 180

aatgatctat ctgctttgga atcattgccc tttgatgtgc aaaggagttt gcctcctttt 240

aagtgaagta tccagggtgt ggggctccag aaagtattac agtgttttaa atgtagcatt 300

tgcttgtaat atttgtaaca tacatttagg cacttgtgaa tcttctttga taattgggac 360

acattcgtca attctgagaa cttgttattt tttttctatt ttcatagtgt ttactgtgaa 420

ttaaaatttg ttatgccact gcca 444

<210> 5292
<211> 363
<212> DNA
<213> Mus musculus

<400> 5292
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cactgggtcg cataaatgtc aagaacgagg aattggaagc catggtgaag gaggctccgg 120

ggcccatcaa cttcacagtc ttcctgacca tgtttgggga gaaactcaag ggcacggacc 180

cagaagagac tatactgcac gccttcaaag tgtttgacac tgaaggaaaa ggctttgtca 240

aggctgactt cattaaggaa aagcttatga cgcaggctga ccggttcagt gaggaggagg 300

tcaagcagat gtttgcagct ttcccgccag atgtctgtgg caacttagac tacaggaatc 360

tgt 363

<210> 5293
<211> 506
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<400> 5293
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ggtatcttgc tgaagtagct tgtggcgatg atcgaaaaca aacaatagaa aattcccaag 120

gagcctacca agaggcgttt gatataagca agaaggagat gcagcctacg catccaatcc 180

gcctggggct ggctcttaac ttttctgtat tttactatga gatccttaat aatccagagc 240

ttgcctgcac actggctaaa acggcttttg atgaggccat cgcagagctt gatacactga 300

acgaagactc ctacaaagac agcaccctca tcatgcagtt gcttagagac aacttaacat 360

tatggacatc agacagtgca ggagaagaat gtgatgcagc agaggggcc gaaaanctaa 420

anggcatcca gggcaccaac ctccttcccc tcaagaaaac ctttttacat ctccattcct 480

tattccactt ggatttcctc tagcaa 506

<210> 5294
<211> 422
<212> DNA
<213> Mus musculus

<400> 5294
gacagtttgg gcagcgacag ctccacggcc atcatccccc acgagctgat ccgcacacgg 60

cagctcgaga gcgtgcatct aaaatttaac caagagtcgg gagccctcat ccctctctgc 120

ctaaggggca gactcctaca tggccggcac ttcacctaca agagtatcac aggcgacatg 180

gccatcacgt ttgtgtccac gggagtggaa ggcgcctttg ccactgagga acacccgtat 240

gcagctcacg gaccctggtt acaaattctg ttgacagaag agtttgtaga gaagatgttg 300

gaggacttag aagatctaac ctctccagag gaatttaaac ttcccaaaga gtacagctgg 360

cctgagaaga aactcaaagt gtccattctc cccgacgtgg tgttcgacag tccactgcac 420

ta 422

<210> 5295
<211> 516
<212> DNA
<213> Mus musculus

<400> 5295
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cacaaaaagt tcacatttgc caaaatgtgg ttatattatg cacagtttga aataagacag 120

aaaaatctgc catttgccag aagagctttg ggaacttcca taggcaaatg tccgaagaac 180

aagttattca aaggatacat agaactggaa ctgcagcttc gagaatttga cagatgcagg 240

aagctttatg aaaagttttt ggaatttgga cctgaaaatt gtacctcatg gattaagttt 300

gcagaattag agacaatcct tggtgatatt gagagagctc gggcaatcta tgaattagcc 360

atcagccagc cacgcttgga tatgccagag gtactttgga aatcatatat tgattttgag 420

attgagcagg aagaaactga aagaacacga aacctttacc gacaattgct tcagcgaaca 480

cagcatgtca aggtatggat cagttttgct cagttt 516

<210> 5296
<211> 73
<212> DNA
<213> Mus musculus

<400> 5296
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gtgtccctta aag 73

<210> 5297
<211> 474
<212> DNA
<213> Mus musculus

<400> 5297
aatctgaatc cttcatctct aggctccttc tagtgtgcat gtttcttggt gcttgtctta 60

taggtgtaaa ttgaataact agaaaagcca cactcattac atgaactctt agctgagcac 120

atgtgagtgt taaaggtgac aggcacacat ttttgtatat agtatctaaa ctagggtatc 180

atctctatca acacagaaac agttgtgtga tgtctgtctt gaccatcagc tagcagatct 240

agatatcctg tgagaataca tgttagcatt ttccatgggc atgcgtgaga ggcagcctcc 300

caaacccgaa tgaagggcag gtcagtgtgc actgcagagc tcaggaaggc acaattgaca 360

cctcctccct ctgtgtgtct tgtggtcaat gtaattaatg gctaagcatt aggaattctg 420

agacatttac tcagatacat attattaaaa cagatacctc cttactgttt tcag 474

<210> 5298
<211> 327
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<400> 5298
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tgtgctgctg tgcatcccat gaggctgcag ccccaatncn ccatgaggta aaggnagaaa 120

tggcacgtga accaggattt agggntcact tatgnccatt tcagagttat aaatntttaa 180

aattaaattt aagaacatnt cacttttgtt tcttaggctt gtactatntc aacaactgta 240

ctctaaatgt gttggaaagc ttaaaatatg tacacacaaa ataacatttt gaaatnttaa 300

gggaaaacgt cagtgttcac aaaaagt 327

<210> 5299
<211> 419
<212> DNA
<213> Mus musculus

<400> 5299
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cttacaaatc cagtggagaa cctcacccat gtgactctgt tggagtgtga cgagggggac 120

cctgataata tcaacagcac tgctaaggtg gtggtgcctc ccaaagagct catcttagcc 180

ggcaaggatg cagcagcaga atatgatgag ctggcagagc cccaggactt ccaggatgac 240

cctgacatcg tagctttcag aaaagccaac aaagtgggca tcttcatcaa agtcacccca 300

cagcgtgagg aaggggaagt gaccgtgtgc ttcaagatga aacacgattt taaaaacctg 360

gctgccccca tccgcccagt ggaagaaggt gaccaaggca cagaggtcat ctggctcac 419

<210> 5300
<211> 335
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (249)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<400> 5300
gatttactcc ctaagacatg tgctgtgtgc ctgtcacagt ctgacagaga accttaggac 60

ggtaatccag agcacacctg gtcttcatgc cgcagcattg gcctcggtgt tgaaaggctt 120

cctgcattcc actaaggata accctgtaat gataaccctt catagccttg gctctcactt 180

tgccactgct ttccatttga cagagcagta ggactgtcag tgtgtcttta actttgtgat 240

gacagggcnn acctgtcact ttcctaaggc actttgtttc ttccnaaaga acacagtata 300

cctntcactt gcttgtcatt ttcctcacta gtata 335

<210> 5301
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<400> 5301
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gggactaggg ctgctgtcgg accagcagag acagatgttt atccagcagc agcagttcca 120

gcagctgtta aactcccagc agctcacacc cgaacagnat nagncnttcc tataccagct 180

gatgcagcag cagcaccacc cgcctgagct ccagcagctg cagctcccgg gacccacgca 240

gatccccatc aacaatctcc ttgcaggtgc tcaggcgcct ccactccaca cagctaccac 300

caaccccttc ctcaccatcc acggggacag cacgagccag aaggtcacaa gacttagtga 360

taaaactggg cctgtagctc aagagaaaag ttgacacttg aaaatggcca gaactcgcct 420

ttcctgctgt tctgtgcttc actggctgct gcagtgtctg ccacagctat gaagaatgga 480

ggcgggaaca cacaggggag gatgccacac actcccttgt aaggctctga t 531

<210> 5302
<211> 456
<212> DNA
<213> Mus musculus

<400> 5302
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taggttagac agttggggat ataatcattg gtctgtttct gaaacacatg aattactggt 120

gggaaaggcc caactgcagt tcgacctcca ctgtgtgctt agctggaaga ccatgtgcac 180

ggcttagcag tctgtcttct gtgacactgc acacctctta cctcacttct gtaaataagg 240

ttgtgaatct gttttgtaat gtgaaaaatt cataagataa cattgatatt ttgatttgta 300

atatttctaa ttggtagatt taattgaaaa gtaaaattaa tttatttta tatgttcagg 360

ggaattttaa agaaagtcaa acctttgta gataatttaa aagaatcagt gtggtttatt 420

ttatatatgt aacccactgg ttgttattct gtaaca 456

<210> 5303

<211> 452
<212> DNA
<213> Mus musculus

<400> 5303
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gacgctgttc tattggtgga atccatgaag actatcagtt gccttattat gatcttgtac 120

cttctgatcc atcggttgaa gaaatgagaa aagtagtttg cgaacagaag ttaaggccaa 180

atattccaaa cagatggcag agctgtgagg ccttgagagt gatggctaaa attatgagag 240

aatgctggta tgccaatgga gcagcaaggc tgacagcttt gcgaattaaa aaaacattgt 300

cacaactcag ccaacaggaa ggcatcaaaa tgtaactgaa acaccgtggg aactctgctc 360

tcttcatatc tgctcctggg tgtttaggag gctggttgtt ctacctcact gagagaacag 420

agggctctgc ttcctcttgc agcagtggaa ta 452

<210> 5304
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<400> 5304
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ttccggggac agatctctga gccactcaag acccgaggca tcttcgagac caagtttctc 120

tctcagatcg agagtgaccg attagcgctg ctccaggtgc gggccatcct tcagcagctg 180

ggtctaaanc agcacgtgcg acgacagtat cctggtcaag accgtgtgtg gggtggtgtc 240

caagcgggcg gcccagctgt gtggtgccgg catggccgcc gtggtggaaa agatccgaga 300

gaacagaggc ctagaccacc tgaatgtaac cgtgggcgtg gacgggacgc tctacaaact 360

ccatccacac ttctccagaa tcatgcacca aacagtgaag gaactgtcac caaagtgtac 420

cgtgtccttc ctcctgtctg aagacggcag cggcaagggg gccgccctta tcacagctgt 480

gggcgtgcgg ctcagaggag accctacgaa cgcctaaga 519

<210> 5305
<211> 385
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<400> 5305
ccccgtgtga agtgtgttat caccagcaga cactgccgga ctcctgccca caggggcgtg 60

gcctgaaggg cgagtgtgaa catggcactg ctgttccctt ccccctccct gcacccgccg 120

cagcctgcca tcccatttgg atgtatcaat gccactgagt tgtctgtccg tccgtggagc 180

cagtcctagc cacattattg acagtcttgc attttgtttt gtctcgtgat ggtggtggtg 240

gtaggggtac gcttaggtgg gcagtcctgt ggggaaaaca tcttngtctc catcttgcta 300

ggaagaacca acccacaaaa caacgccatc actggaatct cccatcgctt tagtgagcca 360

ttgtcgtatg tctagtaaac tttgt 385

<210> 5306
<211> 165
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<400> 5306
tcctgaacct gaggttactt ccattgttgc tactgctgta gataatgaaa atacagtaac 60

tgtatcaact gaagancaag cacagcttgc taataccaca gctattcaag atctcagtgg 120

tgatatatcc agtaacactg gagaggaacc agctaaacaa gaaac 165

<210> 5307
<211> 297
<212> DNA
<213> Mus musculus

<400> 5307
gatgatctta aaacacctgc tgagcaacta ttgtctaaat gcccatggaa agagtacaaa 60

tctgattccg ggaagcctta ttactataat tctcaaacaa aggagtcccg ctgggccaaa 120

cctaaggaac ttgaagatct tgaaggatac cagaatacca ttgttgctgg aggtcttatt 180

acaaaatcaa acctgcatgc catgatcaaa gctgaagaaa gcagcaagca agaagaatgt 240

actacagcat caacagcccc agttcctaca acagaaattc ctaccactat gagcacc 297

<210> 5308
<211> 594
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (428)..(450)
<223> n is a, c, g, or t

<400> 5308
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aggcctggtc acaactaaag gctcagaaag aggcacttag tgaatttagc cagtgtcttg 120

agctgctctt tcggaccctg cctgaggaca aagaacaagg ctccgactgt gagcagaagt 180

gtaggtctga cgtggcactg aaacagctgc gagtggctgc tctgatcagt cgtggactgg 240

agtgggtagc cagtggccag gataccaaag ccttaagtga cttcctcctc agtgtgcaga 300

tatgcccagg caatagagat ggctcctttt acctgcttca gactctgaaa agattggatc 360

ggaagaatga ggccagtgct ttttggcggg aggcccacag ccagctgcca ctggaggacg 420

ctgccggnnn nnnnnnnnnn nnnnnnnnnn gtctcttcca ctgtatttag aaacctgttt 480

gagctggatc catcccccta accgcgaagc cttccttgag gagtttggga cttcggtgtt 540

ggagtcttgt gtcctttagc ttccttgttt ccaggatctt gaactttggc ctct 594

<210> 5309
<211> 105
<212> DNA
<213> Mus musculus

<400> 5309
tttcttctgc cttatcctct ttggagagtg gctggaactg attgtttcta agtaactctt 60

ttgctcctga ggctggtcct gtgaaccttg atctacttgc tacca 105

<210> 5310
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<400> 5310
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gactaaggcc cagccctcac ttctgccttc cccaggccag cgcggtgctt cgggctgctg 120

ggcaaagggg cgtcccgggc attaactgac caataaaata acatggcacc ttctttgttc 180

cataagaaca aacatatatt gcatntatgg ctcancnata tactgggttt gtgattagag 240

agcacccaca ncacgaagga cagaggagag gaaggaggag aggaantctc agcagacctg 300

nccatctaca cgggagaata caggctnccc tttatgtcta accagtcact caaaggtttc 360

ttattcaaaa tttccaggaa ctccaaactt ccagagctnt ctggncccta caaaacaaat 420

attcaaacta aactcatttc taaatgtact tatcacttcc aaggtctgtt 470

<210> 5311
<211> 555
<212> DNA
<213> Mus musculus

<400> 5311
gtgaaaacca ttatctgatc ctcagattga gccagtactc caaaaacttg ccacctcaaa 60

cttgttcagt attgataaaa gacaacatgg agagagtgag ctctagcaca tgtcaaaact 120

gtatcttttc ctacttgaaa tttttaaact gtaaatgaga atggtagatg gctattactt 180

tagaaaaaaa gatgaggttt tggttctcag agaaaaagaa agtgagcctt cctcatacag 240

cacaagccca ctcccaagtc aaaggaaagt gaggagctga aggtgccaaa gaccagtgca 300

gcaagcaggg gaacctctgt tacactcatg cagtaaaggc gccatcttgg ttccctggga 360

atgctccaag gagacaagag tccccccacc tacccagtgc tctgcattgt ccacgtgatc 420

ctagagcagt agagagaagg cccaggtgtg agcaggacat gttcacacaa agatcttaag 480

actgtcactt gactgtcctc accctcctga taagaactag agcttgtaac aatgcttttt 540

cctctttgaa tacca 555

<210> 5312
<211> 487
<212> DNA
<213> Mus musculus

<400> 5312
aaggcatcag cagggcactt gtgaattgcc cacaagggtc catactgtcc tgggagcaga 60

agagtgagga ggcagatgca gactagcagc aagagactca gagcaggagg aagggcagat 120

agcagtggaa gcaaaggaat cctgtctgcc tggagcagaa gccactgact tctgcgagtg 180

tggctcccct gggtggagag gagccgtagg tgctggcaag aagaggctct gagtaggctc 240

agaggggagt ccacacctcc tgtttacata gactagtttg gtttataagt tttagttctt 300

catgttacgg cacctcaagc tttgctttat gttggtcatt aggtgacagt tactcatttt 360

ccccaagaga aataaatgca tgagtgtgtg gggctgcctg tgcacagtag tgcctgtgct 420

ctgggtgtgt ctctaagaga gactgaaaac ttgcccggtt ttagaaatac tccagcgtcc 480

agtgttt 487

<210> 5313
<211> 74
<212> DNA
<213> Mus musculus

<400> 5313
tgctgcctga attgttccac ctacatctcc atgaccatgg tgccagagtg cagtacagct 60

caggcacagg ccac 74

<210> 5314
<211> 583
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<400> 5314
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aggtaaactg caaagtccaa gtggacagca agagaatgac catgaccttg ctttccttct 120

ttctcccttc cctcctcacc ctcccttcct ctcctcttct ctagcctctt cttcacacca 180

gcctcccttc ttgttaaaca atatggagac gaggcctcnt taggactgtg tgtggagcct 240

tggccttaag tggcagtggg gctgagaaat gaaagcccta gaacttgaat aggtgcctgc 300

ctctgtcagg tnaaatgaga tatctcactt ggaaccaanc cccaggacgg cacgatgagn 360

gagcnatcca gcttccnggc ccctcagtag gagtanatnt acctggaatc ngttgaatgg 420

ggcagtggct tccagttcct gttccagaag gacttggtgt tggaagcaat agaaaagaca 480

ttccctttgc cccctgggag agtttgggga aatagctttt ttaaaatctc aaaaccatga 540

ccatcctgtt aaagacctaa gtctataaac cagtgccatg tcc 583

<210> 5315
<211> 423
<212> DNA
<213> Mus musculus

<400> 5315
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gagggaacaa caaaggatcg aaagagaaaa tatggcttta ttgaaacgac ttgaagctgt 120

gaagccaaca gttggcatga aacgctctga acagctgatg gactaccatc ggaatatgag 180

ttacctcaat ccttcaccgt ccgtccgacg agtgagatct actcttggcc attatagccc 240

actgagagga gcttccagga catccagtgc aaccagtggt ctcagctgta agactgaccg 300

atcagtgttg gacacatcca atggcttttt gctaagaccg aaacccccga atgttcgtac 360

tgcttggttg taaaaccttt ttttttatg atatacattg ttcatctgtt tgtcctattt 420

taa 423

<210> 5316
<211> 484
<212> DNA
<213> Mus musculus

<220>
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<222> (118)..(118)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (200)..(200)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (368)..(368)
<223> n is a, c, g, or t

<220>
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<222> (375)..(375)
<223> n is a, c, g, or t

<220>
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<222> (390)..(390)
<223> n is a, c, g, or t

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<222> (414)..(414)
<223> n is a, c, g, or t

<220>
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<222> (453)..(453)
<223> n is a, c, g, or t

<400> 5316
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gatgccacaa aaggacataa attaaacttg cccgttccag atagaattcc taagattngt 120

gaaaggtgag gacgattact acacggatgg ggaggaaagc agcgacgatg ggaagaagta 180

cgtgaggtct aagtcanccn aagccctcta gcaacttaaa aaaaaacntg agntaagaag 240

tattcctcct cctccttntc ttcctcatct tcaagatcaa actcagactg ctcagatntg 300

gggtctgaca ggcaaaggag atntgagtca cactcatcag ggaagtgtgt ttctagtgta 360

acccccctnat caccnaaaca gaggtgtaan tcaggaagaa aatcaagtgc acanccttcc 420

agcactaaac aaaagactgg tgactatcat gantccgaag gcaatgtacc agacataact 480

cctt 484

<210> 5317
<211> 343
<212> DNA
<213> Mus musculus

<220>
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<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<400> 5317
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agctggggaa gcagctggcc aagaaaattg agccggagct ggagggcagc tctgctgtga 120

cctcccatga ttcctccact naacggactg atcagcttnc atcaagcaac agcggngaca 180

ccaaactaga ataactccag ccgcggccct actgactggt cctccgtgtc ccttctcacc 240

atatgcactg catggtcctg cccctccctg cccagagcgc accaccggta gttggcctgg 300

actacaaggc tgttgggaga agctggtctg gaactgccat cca 343

<210> 5318
<211> 579
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

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<222> (92)..(96)
<223> n is a, c, g, or t

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<222> (98)..(102)
<223> n is a, c, g, or t

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<222> (104)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(116)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (121)..(122)
<223> n is a, c, g, or t

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<222> (124)..(128)
<223> n is a, c, g, or t

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<222> (130)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<400> 5318
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aaaccgnccg accaactcta ttgtgtttac cnnnnngnnn nncnncnntn tnnnnnctgg 120

nngnnnnntn nnngcnnntg tatgagcaca agatctttgt tcagggcatc atgtgggaca 180

tcaacagctt cgaccagtgg ggangtggag ctggggaagc agctggccaa gaaaattgag 240

ccggagctgg agggcagctc tgctgtgacc tcccatgatt cctccactna acggactgat 300

cagcttncat caagcaacag cggngacacc aaactagaat aactccagcc gcggccctac 360

tgactggtcc tccgtgtccc ttctcaccat atgcactgca tggtcctgcc cctccctgcc 420

cagagcgcac caccggtagt tggcctggac tacaaggctg ttgggagaag ctggtctgga 480

actgccatcc acccactacg caccctccct gttgaagctg atggaagggc tttgacgtgt 540

catgttgttc tgacctgtat ttcacacccc agctagaat 579

<210> 5319
<211> 464
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<400> 5319
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gtcaggcccg gttctgaaga gttttttcgc cgactctcgt tcattggtct cctgtgagga 120

ctcggcaacg cgtggagtcg gctaagagaa aagcgaggca aggcaggcgg gtcttcagag 180

ttctatattt tagctctcag tgctgaatta ccttctccct taaattatta taaacttttg 240

ctgctgtcat ataaacgtga agatgtctcg cantcctgat ncaaaggaag accctgtgga 300

atgccctctt tgcatggagc ccttggaaat agatgatatt aacttttcc cttgcacctg 360

tggctaccag atatgccgat tttgttggca tcgaattcgc actgatgaga atgggctttn 420

tcctgcatgt agaaaaccat atccagaaga tccagcagtt taca 464

<210> 5320
<211> 276
<212> DNA
<213> Mus musculus

<400> 5320
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ctcccggacg gtgtcaacat ctccaaggag gcccgaagcg ccatctcccg cgccgccagt 120

gtcttcgttt tgtatgccac atcctgtgcc aataacttcg caatgaaagg aaagcgcaag 180

actctcaatg ccagtgacgt gctgtcagcc atggaagaga tggaattcca gcgattcata 240

acaccattga aagaagctct agaagcgtac aggcgg 276

<210> 5321

<211> 318
<212> DNA
<213> Mus musculus

<400> 5321
taaagtccaa cctgctctcg ggaagccttc agagcctgtg gcgggcagtc actggcccac 60

tttttgattt ccaaggagac ccagctcagc aaggaggaac cctcatttta ggtccaggta 120

acaacatcca ctttgtgcac cgagacagga ataggttgga tcacaaaccc ataaactctg 180

ttttacagct tgtgggggtt cagcctgtga acttcatgag cagacctaca gtcatccacg 240

tgtgacttta cgtggcatct tccacttgtg aatgggccct taaaacgtga accaaaatgc 300

caggcaccat ggcttcat 318

<210> 5322
<211> 434
<212> DNA
<213> Mus musculus

<400> 5322
aacaatgttt gctttccact ggcataaatc taaagtggtt cagtctagaa gaattagctc 60

tgcaattgct gcctgcagag agatgtgttt aggactctgg aagcctagtt agaagttcta 120

ggtgcacaag ctccatttaa cttgaaggaa agctgagggt ggcaagttgt atctggaagc 180

agctctgcct tctgaccacc cagcagagtt cagctgccac cttctgccct ccgccctccc 240

tccgccttcc acacgcttaa ccactgttgg atgtgacttc atccaaacat aggaaatgaa 300

ggcctttaca gcttgtgacc catcaaacct aagctattaa tttggaattg ccactgtcag 360

gcgggtttcc tatctcactg cactgacttt ggcgttcagg cttacaataa acactgcggc 420

cataatgtct gatc 434

<210> 5323
<211> 482
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<400> 5323
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gatgtctgtc ctcatgaaca ccattgtctt tgaggattgt cggaaccagt ggtcagtatc 120

caggcctctc ctggggctca tcctgctcaa cgagaagtat ttcagtgaac tgagggccag 180

tctgataaac agccagcctc tccccaagca ggaagtcctt ggccagtgct tcaggaactt 240

gatggaagga gtggaacaga acctgtctgt caagaacaga gacaggttta cccagaacct 300

ctccgtcttc agaagagatg tggcagaggc cctgcgtagc gatgnccaca ctgacctaag 360

cagcctggac atgatgagct gacccagctc ctgagcgtgg gctgtgcagc ctttgtcaag 420

agaatctgga aggtctgggt tccagactac gatgctggcc agcccagaag agtgtatttt 480

tc 482

<210> 5324
<211> 279
<212> DNA
<213> Mus musculus

<400> 5324
accttggtct cagtggatta cgaaattttt ggaaaggttc aaggggtgtt tttccgcaag 60

tacactcagg ctgagggtaa aaagctaggt ttggtgggct gggttcagaa caccgaccgg 120

ggcaccgtgc aagggcaact gcagggcccc gtctccaagg tgcgcttcat gcagcagtgg 180

ctggagacca gaggaagtcc caagtcgcac attgacagag caaacttcaa caatgagaaa 240

gtcatcgcaa acttggatta ttcagacttc caaattgta 279

<210> 5325
<211> 513
<212> DNA
<213> Mus musculus

<400> 5325
gggaagcccc agaaactcga gcttccgccg ctcggatcat ccaagtgttt gagcatggca 60

gaaggggaca ccttggtctc agtggattac gaaatttttg gaaaggttca aggggtgttt 120

ttccgcaagt acactcaggc tgagggtaaa aagctaggtt tggtgggctg ggttcagaac 180

accgaccggg gcaccgtgca agggcaactg cagggccccg tctccaaggt gcgcttcatg 240

cagcagtggc tggagaccag aggaagtccc aagtcgcaca ttgacagagc aaacttcaac 300

aatgagaaag tcatcgcaaa cttggattat tcagacttcc aaattgtaaa ataatgaaac 360

gaatcttaat atttttcaa aataatctca ctccttttt taaatcgcta gattaaaaaa 420

aaaatagaac tattctgtgc tcagtattag aatttgttag taagttattt tggttgcatg 480

ttggaaaagt taccacgtat tacaagtatg atg 513

<210> 5326
<211> 240
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<400> 5326
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atcgccaacc tgcgcaacaa ctgctggaag gagaagcagc agaaggaagg cttgctgtac 120

cngagcccgc tacttnggtg acacagacat gtaccacaga gcacangaag atgggcaccc 180

cgagttgcaa tcggctgtca gaggtgcagg cctccctgca tggatagttc tgggccagcc 240

<210> 5327
<211> 545
<212> DNA
<213> Mus musculus

<400> 5327
agatcctcgg tgcattaagt tctcctccag tgacaggaaa aaacaaaggg agtttgaaga 60

atacatcaga gacaaataca tcactgccaa agctgacttc aggacacttt tgaaagagac 120

caaattcatt acatacagtt aatttagtga aagatgtgaa agtgaaagct tgtgaaagat 180

gctgggattg gcagccccgc agactgaagt cctctgttca tccacagaac agatccaaaa 240

agttaatcca agaatctgat cagcacctga aagatgtaga aaagattttg cagaatgaca 300

aacggtatct agtactggac tgtgtccccg aggagaggag gaaactaatt gtggcctatg 360

ttgatgacct ggatcgccga ggtccacccc cacctcccac agcatcagag cccactagac 420

gatcaacaaa ataattctaa atacccttcc acgggctcgc tgttaattga aaatgcttgc 480

atgagccaga ttttcaggtt tttacatata tgcattagtc aacctattgc aaaatcacct 540

gacga 545

<210> 5328
<211> 568
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<400> 5328
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atgatgggaa tgatctcacc cacaccttct tcaacccaga ccgagagggc tggctcctaa 120

agctgggagg gggccgggtg aagacttgga agcggcgctg gttcatcctn acagacaact 180

gcctctacta ctttgaatac actacggaca aggagccccg agggattatc cccctagaga 240

acctgagcat ccgggaggtg gacgatcctc ggaagccgaa ctgctttgag ctttacattc 300

ccaacaataa gggacagctc atcaaagcct gcaaaacaga ggctgacggc cgggtagtgg 360

aggggaacca catggtgtac cgaatctcag cacccaccca ggaggagaaa gatgagtgga 420

tcaaatccat ccaggctgct gtaagtgtgg acccccttcta tgagatgttg gcagcaagaa 480

agaagcgaat ttctgtgaag aagaagcaag aacaaccctg acccctgtcc ccaactccat 540

tatttatttt ggagctgccc cgcctggg 568

<210> 5329
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<400> 5329
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tgaagctggc agcctggagg ccaggctccg agagagcgag caangcccgg gccctgctgg 120

agcnggaggc tgaagagatc cgccggcagc ttgcagcctt gggccaaaac gagccactcc 180

cggcagaagc gccctgggct cgcaggcctc tggacccacg gcgccgcagc cttccagcgg 240

gcgacgcttt atacttgagc ttcaatcccc cccagcccag tcgaggccat gaccgcctgg 300

atttgcctgt gactgttcgt tccctccacc gacccctttga tgaccgagag gcgcaagaac 360

ttggtagccc cgaggatcga ctacaggaca gcagtgaccc tgatactggt agtgaggagg 420

aagtcagtag ccgcctgtct ccacctcaca gtcctcgaga cttcacccga atgcaggaca 480

t 481

<210> 5330
<211> 547
<212> DNA
<213> Mus musculus

<400> 5330
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gctggtccta gcccaagctg ctttttcccc agctacttcc agtagtttcc ctctagacta 120

aggctggcaa agcaaagtga ctctaccagt aaggtaagtg ctgaaactca gcacaagcag 180

ccgtgtgacc ttggcaaggc tcagggccat ccttatctag gaatgaacac tggtcaacag 240

tctgctcaaa ctggacatgc ccgcctggct agtttttaat acttttcaga gtgggaactt 300

ggtggctgag gcatgggcgg ctttccccag tgggaaggcg gcaagggaga cagacccgag 360

tacgtcctta tagatgcctc agtaaagctg aagagtcttg gagaagtctt ctgtatatac 420

taagattata tttagacttt atgctctggg catgctatct gcccctcaac tgagcactct 480

gtattatctt ttgtgagagc tctgactgga acgtttttgc tagtactcta tatgacttac 540

ctgtatt 547

<210> 5331
<211> 583
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<400> 5331

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tgtaatcaat attacaaact gatcacattt atttgtgaga tttttcctga aaagataccg 120

cagcttcctg aggatctgtt taagagtctg atgtactccc tagaactagg gatgacatca 180

atgagttcag aagtatgcca gctttgtctc gaggccttga caccattagc tgaacaatgt 240

gctaaagcac aagaaacgga ttcaccactt tttctagcaa cacgacactt ccttaagctg 300

gtttttgata tgctggtctt gcaaaagcac aacacggaga tgaccactgc agcaggcgaa 360

gcattctaca cattggtgtg tttgcaccag gctgaatatt ctgaactggt tgagacatta 420

ctgtcaagtc aacaagaccc agtcatttac cagagattag cagatgcctt caacaagctc 480

acagcgagca gcactcctcc tgccctggac cggaagcaga agatggcctt cctaaagagt 540

ttagaagaat ttatggcaaa tgttggtggt ctcctttgtg taa 583

<210> 5332
<211> 361
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 5332
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tggccgtgag cccnctgcct ccccagaagc cgcnccctcc cagcagcaag gtgtctggtc 120

ggaggagccc cgagccctgc agcaagcccg aaaagatgct gaagaaggct acctatgaca 180

aggcttacac ggatgagctg gtggagctgc accggagact gatggctctg cgcgagcgca 240

atgtgctgca gcagattgtc aatctgatcg aggagactgg ccacttcaat gtcaccaaca 300

ccaccttcga ctttgacctt ttctccttgg atgaaagcac tgttcgcaag ctgcagagct 360

g 361

<210> 5333
<211> 524
<212> DNA
<213> Mus musculus

<400> 5333
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accctctacg aattccgcca gttctttggt ctcaagaacc tgagcccctc agccagccag 120

tatgtggaac agatgttcga gacctttgac ttcaacaagg atggctacat tgacttcatg 180

gagtacgtgg cagccctcag cctggtcctc aagggcaaag tggaacagaa gttgcgctgg 240

tatttcaagc tctacgacgt cgacggcaac gggtgcatag acagggacga gctgctcacc 300

atcatccggg ccatccgaac cattaatccc tggagcgact catccatgag tgccgaggaa 360

ttcacagata ccgtgtttgc caagatcgac atcaacgggg atggggaact gtccctggag 420

gagttcatgg aaggtgtgca gaaggaccag atgctcctgg acacgctgac ccgaagcctg 480

gacttgaccg gcatcgtgcg cagactccag aacggcgaac acga 524

<210> 5334
<211> 435
<212> DNA
<213> Mus musculus

<400> 5334
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ggcagaacag gcggagacct cgtccattca gtcttcagtt ttgggaaagg gagtaaaaca 120

ccgaccccca cccatcaaac ttccctcagg ctcaggaaat agttcctcag gtaactattt 180

cacagcacag caggccagca gcttccttaa atctccaact cctcctccat cgtgtaagcc 240

aagcctttct cggaagtctt ctgtggacct cagtcaagtt agcatgcttt ctcctgccgc 300

cctgtcccct gccagctcat cccagagaca tgaaagctaa aaaggaaaca cctcaagagc 360

tttgctttac ttttttggtt tcatttttaa aaatttttt aagttgataa aactgtgcat 420

acttcattca cgaca 435

<210> 5335
<211> 402
<212> DNA
<213> Mus musculus

<400> 5335
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gttgtggtag agtgtaagtg tatttccact gttaactgtg atctgagtgg ggtttctagg 120

tgatatactg catccttaat tgtaattgag tgtagcaaca ctcttggatc gtgtagagag 180

ttaacacttg cagttaactg cttttaaaca aattggaaca aatttgtcag tgctaagtaa 240

gattccatta accgtatttt aaaaggacca gccatttata acaaactagc aatttttatt 300

tttctcaacg agcaggatct ggaactccta agccatctcc tcctacacca acccccttcat 360

cggtcccaca ccctcctgac gctcagaact cagctcctag ta 402

<210> 5336
<211> 197
<212> DNA
<213> Mus musculus

<400> 5336
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cacgcaccgc tggcccccac acccagtttg tgcagtggtt catggaggag tgtgtgggct 120

gcctggagca ggacagcagg ggcagcattc tgcagttcat gcccttcact accgtatcag 180

aactggtgaa agtgtct 197

<210> 5337
<211> 506
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (478)..(478)
<223> n is a, c, g, or t

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ttaaaattct gaaaaatttt gatgaagcaa taattgtgga tgctgcaagt ctggacccag 120

aatctttata tcaacggaca tatgcaggga agatgtcctt tgggagagtt agtgatttgg 180

ggcagttcat ccgagagtct gagcctgaac ctgatgtgaa gaaatcaaaa ggattcatgt 240

tctcacaagc tatgaagaag tgggtgcaag gaaatactga ngaggcccaa gaagagctag 300

cttggaagat tgcaaaaatg atagtgagtg atgttatgca gcaggcacac catgatcaac 360

cactagagaa ntctacaaag ctatgactcg aaaccagaga taaggaaatc tgattttgaa 420

aaaaataaga actttcccct ttggttggat tnttcaacac agccgatgaa aacggagnac 480

tgcatttctt ttcactgcta gatcac 506

<210> 5338
<211> 504
<212> DNA
<213> Mus musculus

<400> 5338
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ccatttacac aaccaggagg aatgagtcct ggtatatggc ctgcaccaag agggccacct 120

cctcctccac gaatgcaggg cccgccttct caaaccccac tacctggacc gcatcatcca 180

gatcaaacaa gatacagacc gtattaccag tgatcatagt gttttgaact gaagatatga 240

caaggaaaaa aaagattagt caatcttaat tgacctttga ctgtggaagg aaaactacct 300

cttttgaggt agctattaac acaagtcttg tctctcaaaa tggttttaat ctgactagga 360

ttgctttcaa gtactattct gtagtgcaga taagtggctt ggttgagcac aattctatct 420

taactgttac tttgatgtga taaattttcc caaaacgacc atttgtaaaa aattgaaaaa 480

aaattcactg ttccactttg agaa 504

<210> 5339
<211> 492
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (296)..(296)
<223> n is a, c, g, or t

<220>
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<222> (334)..(334)
<223> n is a, c, g, or t

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cgaacacaag gtcccttcca ggaatagtca cagtgactcc agcatttaca ttcggcgaca 120

cactaatagg tctttggaat tggaccattt tagctatgtt caattgagga acgcagctga 180

tctggatgac aggagaaaca gagtgttaaa caggtacaat tctcagaagc tcactgagct 240

gattttacag ttctacggca tcagagcaga catgaagcgc gagtacaaac atgccnggct 300

gtctatgact ggcaccaact cctctggaga agcngtgccc ctggggaacc agagcccgcc 360

caacgactct ctgacgcagt ttgtacagca gcccgacgtg atatatttca ttctcttcct 420

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catgtgtctg ga 492

<210> 5340
<211> 111
<212> DNA
<213> Mus musculus

<400> 5340
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caattattct ggcgtttatg tctgtaaagt atcaaattcc cttggtcaaa g 111

<210> 5341
<211> 339
<212> DNA
<213> Mus musculus

<400> 5341
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ggtggtcttc agccctctaa tggaccaatt agcaggagat ttgactatga ggatgagagc 120

acaatgcaag aagatggaac tcagcgcatg tgcccccttt atagccagat gtgccaccaa 180

gaccgaagcc ctcgccaaca tcacccacgc aaccccgaga gactctacat caacccacga 240

gaacattatg tgtgattttc cttgtcatga agggtgttct aacaaatgtt tattcttaga 300

cctggagaga cactgaggca tctaagtgat ttcagtctt 339

<210> 5342

<211> 488
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (209)..(209)
<223> n is a, c, g, or t

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<222> (248)..(249)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (332)..(333)
<223> n is a, c, g, or t

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<222> (336)..(336)
<223> n is a, c, g, or t

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<222> (350)..(350)
<223> n is a, c, g, or t

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<222> (353)..(353)
<223> n is a, c, g, or t

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<222> (358)..(358)
<223> n is a, c, g, or t

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<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

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cctgaaacca ggttcggaga ggaacgataa aggaaaaact ccctttcggc ttcatccttc 120

acctgtctta gaaacaacag cacattttaa ccacagattt cacctgggcc actggcnacc 180

atggataagc acgctgatgc ccctggggnt caaaagaaaa caaaggagac cagcatggga 240

ggcggcanna gcccagaagc ccagcaagat tctgtgatga ggacagattn atcagagatg 300

actgatgtgg aatctgtgat caccagcttt gnntcntcag caagggcagn ccnccgcnaa 360

tnccttaccc gacatccaga gttcactggc tacaagtgga tcctntgatc ttccactgaa 420

actggaagcg ttgnccgtga aggaagatgc aaaaacgaag aatgaagaga aagaccaagg 480

ccaaccaa 488

<210> 5343
<211> 572
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (73)..(74)
<223> n is a, c, g, or t

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<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

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tttacaaaaa aanncaaaac aaaanaaaaa aaaatcccag tttatttatc ttttagttct 120

tccaaaattc aaaatatcaa gtcctactgc taaggggnag aaaacaaaca aacaaacata 180

aaatctgaga agccccttct cataaagtca cagaacagag gcggcgaagt gggacaggtg 240

gatgcagaga acctgcaggg gaggatggca agatagagcc ccccagtatt tcaaagctga 300

tcatcggaag caaccaacac aggacactgc agagaaagta aagggaagag cagcagtgcc 360

cagccttgtg ggtgtggcct tcttcccgct tctcttcttg tcaagatatt ctaggccaag 420

acacgactta ctctttgaga tccatgttga ctcctttaag cctccctcta gatttcacct 480

gtagtatacg aagcatgacc attcttcctt agatgtatca gaagagacaa tggtaatttg 540

tgtttgagca ctgcaccaca tatggacttg ta 572

<210> 5344
<211> 549
<212> DNA
<213> Mus musculus

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<222> (356)..(356)
<223> n is a, c, g, or t

<220>
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<222> (380)..(380)
<223> n is a, c, g, or t

<220>
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<222> (410)..(410)
<223> n is a, c, g, or t

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tcacaaaaat gacggtttgc cacgtgcttc tgcatgtaga attgtaatct ttaccagtgg 120

aaagacaggc ctgtttcagg cccctcacac tttattagac atttcccctt ctggtctcac 180

cttcttcagc cagaatttga tcaaattaaa agtcttttgt ggggactgta tttctgagca 240

tctagaacaa atcctttata ttcatcgaca caaaagatct tggtggctat ttttaaaccc 300

agctgtatta aaaggtgatg ttgaatttta cgacacccct accatggcct gctttnaaat 360

tcggggcttc taaacctggn tgtacttttt aaattatatt tcttagaaan ttcaggatat 420

aaatacctac tttattctct atctcacccc ctttcttcat aaattctcta gagaagccta 480

taaacataca gcgcttgact gtcttgaaaa tggttggttt catatctggt actcatcagc 540

ttgtcactg 549

<210> 5345
<211> 443
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (203)..(203)
<223> n is a, c, g, or t

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<222> (208)..(210)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (233)..(233)
<223> n is a, c, g, or t

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<222> (239)..(240)
<223> n is a, c, g, or t

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<222> (333)..(333)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

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cccnagcaca gctgggcatg ctgctggacc tgcaggcagg agagctggtc ttctacgagc 120

ctgcctcagg gacggtgctt catatccacc gtgcgtcctt ccctcaggtg ctcttcccag 180

tctttgctgt ggctgaccan gcntcatnnn cnncatcgnt tcgcggacnc tcntggccnn 240

acagtgagac tagattcacc tccccatcac ccttgcagca tacgaaggac aacctgccag 300

gatactgttg gccagaacgt cgtcgtggga gtngtnggta gcctcctccc gcctcctctg 360

tctccaggaa acctgcttgc agcacacttg ttggcatctg tcccaggccc tgaggctgag 420

ctctagcatg gacctacgtg tga 443

<210> 5346
<211> 506
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

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<222> (155)..(155)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

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<222> (348)..(348)
<223> n is a, c, g, or t

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ccccactgag ctatgccttt cccaaagaca gcactatcgc cagccagatc tgagtctgct 120

tccaggcccg ttgatcctga caggactctg cagtnatcta gacagagtag gaggcactaa 180

atagagcttg tgaatggagt cagacccacg gttaccacct cacattcctc ctggggcctc 240

tgcgtggttg agtgaccttg gatcttagat agggagctat tgaagtttca gatnacctaa 300

ctggnacatt tgggggtaag acaaagcccc attgtgcact gctgtntncc atcactcctt 360

ctcctgcccc ggagaaggtt ccagtgccag ctgtaatgat atagggacac atagggatga 420

aatgatgtat agactgaacc agaccttctc aaggaccgct gttctcctta aggatgctcc 480

agagcctttc gagtatgaca tctttg 506

<210> 5347
<211> 413
<212> DNA
<213> Mus musculus

<220>
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<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<400> 5347
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cgccgctgtg gctgtcacta tggcccatta caaagccgcc gactcgaagc gcgancagtt 120

ccggagntac ttggagaagt cgggggtgct ggacacgctg acgaaagtgt tggtagcctt 180

atatgaagaa ccagagaagc ccaccagtgc tctggatttt ttaaagcatc acttaggagc 240

tgctaccccg gaaaacccag aaatagagct gcttcgccta gaattggcag aaatgaaaga 300

gaaatatgaa gctactgtag aagaaaataa aaaactgaaa gcaaagcttg ttcagtatga 360

accacctcag gaggagaagc gtgctgaata ggattcttct cagttgaaaa gac 413

<210> 5348
<211> 447
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<400> 5348
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cttggagaag tcgggggtgc tggacacgct gacgaaagtg ttggtagcct tatatgaaga 120

accagagaag cccaccagtg ctctggattt tttaaagcat cacttaggag ctgctacccc 180

ggaaaaccca gaaatagagc tgcttcgcct agaattggca gaaatgaaag agaaatatga 240

agctactgta gaagaaaata aaaaactgaa agcaaagctt gttcagtatg aaccacctca 300

ggaggagaag cgtgctgaat aggattcttc tcagttgaaa agacactgaa aactggtttt 360

gtatcacttg aatagcttgt atagtatatg atctttcctg aaaagatgct ataaactttt 420

aatatgttaa atccactcat cacactt 447

<210> 5349
<211> 484
<212> DNA
<213> Mus musculus

<220>
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<222> (414)..(414)
<223> n is a, c, g, or t

<220>
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<222> (450)..(450)
<223> n is a, c, g, or t

<400> 5349
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tcatggagtc ctctgtggcc cccactccag ccaagtcctc cacccacagc acaggctcca 120

cccttcccca cctccccacg gtgcccaggt tcactctgaa gacaccagca ccatgagatg 180

ttatttattc agctaggcgg ggctcgagcc aggccctgcc cctaggtgag cagccgccac 240

ctggacaggg actgtcctgt caccactcac cctccagcca gcctgtctgt caggaagatc 300

ttcctagccc ttttttaaag cctcttttac atttttttaaa aacataactt tttcagagag 360

agaggggagc tgacaatcac ttttcttctg ttttggtttt tggttttggt tttngttttg 420

aaagccgttt aaagctcagt tctgatgatn tatgcagctc taagtttcct catggagcct 480

caca 484

<210> 5350
<211> 591
<212> DNA
<213> Mus musculus

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<222> (100)..(100)
<223> n is a, c, g, or t

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<222> (107)..(108)
<223> n is a, c, g, or t

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<222> (112)..(112)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (259)..(259)
<223> n is a, c, g, or t

<220>
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<222> (274)..(275)
<223> n is a, c, g, or t

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cactgaagct cgcactggac acgcactact ggacttggan tcaaccnntt tngtcatctg 120

ggggtcgctg ctcttctaca ttgccttctc cctgctctgg ggaggggtta tctggccgtt 180

ccntcagtta ccagaggatg tactatgtgt tcatatccat gnctgtccag tgggcctgcc 240

tggctgggta tcatactgnt tgtcacggtc ggcnncctcc ctgacgtcct caagaaggtc 300

ctgtgtaggc agctgtggcc cacggcaacg gagagaactc agaacataca acatcaggac 360

agcatttcag aattcacccc tctggcctct ttgccgagct ggggtgctca gggcagcaga 420

ctcttggctg cccagtgcag ctccccctct gggagagttg tgtgctccag gtgggagagc 480

gaagagtgtc ctgtgctccc tctccaccca ggccttcctc acaaggcaag gtatgggtgc 540

tgtaggtcca gcctggagat gcccacttga tggacagaca gccccagtgc c 591

<210> 5351
<211> 587
<212> DNA
<213> Mus musculus

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<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (50)..(52)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (54)..(62)
<223> n is a, c, g, or t

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<222> (64)..(64)
<223> n is a, c, g, or t

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<222> (66)..(66)
<223> n is a, c, g, or t

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<222> (69)..(72)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (76)..(77)
<223> n is a, c, g, or t

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<222> (79)..(79)
<223> n is a, c, g, or t

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<222> (81)..(82)
<223> n is a, c, g, or t

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<222> (85)..(86)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (96)..(96)
<223> n is a, c, g, or t

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<222> (98)..(100)
<223> n is a, c, g, or t

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<222> (103)..(103)
<223> n is a, c, g, or t

<220>
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<222> (311)..(311)
<223> n is a, c, g, or t

<220>
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<222> (316)..(316)
<223> n is a, c, g, or t

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nncncncann nncncnnana nncanncnnn nncacncnnn canacacaca cacacccact 120

tcgctgctgc ccgcgcgctc gcaggctggc ctgctctgcc agaagggtga ttcactgggt 180

cctaaagcct tggctcgagc cagtcccagg caactgagat cagaaccagg gaggccctca 240

ggagaccagg gacgcaagtg ctcagagaga tctggctcct gatcccctct aggactaaaa 300

gctgccttgt nactgnttaa gacctcataa cccaccacag acctggatca gacatctctc 360

ctgacatcta aaaaagtggc tatcagcttg tctatcatct cagcatgcca aagggctgtc 420

tcctctgcct gaccaatgtg gagcctacca tgaacagccc attccagata cagtttttgt 480

cttagtccag aaggcacttt aaggaagtaa gcgtcaaaca tggctttggc agacaagaga 540

cttgagaact tacagatcta cagagttctt cagtgtgttc gcaacaa 587

<210> 5352
<211> 499
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (433)..(434)
<223> n is a, c, g, or t

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<222> (438)..(438)
<223> n is a, c, g, or t

<220>
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<222> (449)..(449)
<223> n is a, c, g, or t

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<222> (473)..(473)
<223> n is a, c, g, or t

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agggatagtg tggtttacct caattccctg attaccagtg gcttcaccaa gaaagttgat 120

atcacattta tccccaaaag gatttggagt cctgaagcca caacagcaga gctgatcagg 180

aagagggagc tccggaggga gaggttcaca tacgaggtgg actttgaaga cttcatgatg 240

cctttccaaa agaacatcac ggagaaagct caggcactgg aggcaacact caagaactaa 300

gtcactccag cagcctccca ggagaaatac tctgtggccc agagtcaaag tttggagaaa 360

gtaagacttt gaagaggaac tgatacacaa atctgatccc ccctagatta tagtgattta 420

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tcctgaggct tcagtatca 499

<210> 5353
<211> 578
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

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ccaagagcag gataccttgg gaggccgatt tgacgccaca caggccttcg ttggtgacat 120

tgcacagttc aacctgtggg accacgctct gacaccggcc caggtgctgg gcatggccaa 180

ctgcaccggg ccactgatgg gcaatgtcct cccctgggaa gataagctgg tagaggcctt 240

tggaggtgcg aagaaggccg cctttgatgt gtgcaagggg agggcaaagg catgaggggc 300

caccttgttc agggcccctc cattgcctgt cagtttcang actttgaagg ggcaatccct 360

cctcagcctg tctacacgcc ggccttccct tctaccccac tcctggctat acctcccact 420

tctcctcatg ggcacccact gctccagagt gccctgccct ggatgggtgt cccctcagcc 480

acctggatag ggaccagtat ctcacatcaa tgtaggggtt gaggcagtcc cgcctcctgg 540

caatgtattg gcttggtctc tcccatcata tacactgt 578

<210> 5354
<211> 499
<212> DNA
<213> Mus musculus

<220>
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<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

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gcaaggaaat taatctgatg ttgtctacat atgcaaagat tttaagtgaa agagcagcag 120

tagatgcatc ttacatcgat gagatagatg gactcttcaa agaagccaat attattgaaa 180

actttctngt acaaaaaaga gagttcctga agcagaggtt tacagtaatt accaacaccc 240

tacacaagta atgtgcctat gccagctaaa agtttttcct gttactgctg tgttcttctt 300

gctagagaaa acatatatta aactgtaact ttttctaaat ttaaaagaag ttttaagata 360

gatattaata tgaagtgtgt aatatttctt ttgagggtca aatatttggc acattatata 420

aaaatataaa ttaaaaatta tatgcatgtt cttttcttta ttgtttantc ctaaattgct 480

tagcccttct taaactatg 499

<210> 5355
<211> 250
<212> DNA
<213> Mus musculus

<400> 5355
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ctatacgagt gaccgataat gctttctttg gctacattct ttattctgcg gtgacattga 120

ggcttataaa tcaaaaggaa ctaacttgcc gtccaccggt ttatacagaa ctcacagtat 180

ctatgacttt tttaaactac gacctgttaa atgaatctgt ttgcacagat gcccgtgtac 240

aatgccatgt 250

<210> 5356
<211> 506
<212> DNA
<213> Mus musculus

<400> 5356
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ttggaaatcc tcactccaac ctctaaacag gtctggcaag cgctggccac cacatggact 120

ttggtattgc tatcctctct cagtttgttc tctagtggct gtaagtagca cacgtggaca 180

tctttggggt gcctggtgtg ggctcctaca gacacagttc tcactttcat ttcctagcag 240

atccctcccc tggagcaggt ggctgtggag ccctgtgctc agccagcctt tccacagcac 300

tggggtgggt ccgggaatct tcccgctcgt cctgtaaaaa gggcccaaca tcctctgcaa 360

gcctcttcac acagcctctg taatcaccct acactaggag caggcagtgt ttctgccgtg 420

ggtgggtggg tctccacata aaggaccccc gtggagctga gctcacagcg ccttactatg 480

caaggcccct tacagtggac agctaa 506

<210> 5357
<211> 466
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<400> 5357
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ggctcctgtg tgcctcatac tacgaggcca aagcgtgact acgaagtcga cggcagagac 120

tatcactttg tcatttctag agaacaaatg gagaaagata tccaagagca caaatttata 180

gaagctggcc agtacaatga caatttatac ggaaccagtg tgcaatctgt gagatttgta 240

gcagaaaggg gcaagcactg tatacttgat gtatcaggaa atgctattaa gcggttacaa 300

gtcgcccagc tctatcccat tgccancttc ataaagccca agtctctgga acctctgatg 360

gagatgaata agcgtctgac agaggaacaa gccaagaaaa cttatgaccg ggcgattaaa 420

ctagaacaag aatttggaga atattttaca gctattgtcc aaggag 466

<210> 5358
<211> 558
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<400> 5358
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gtgacttctg cttgggggggc tccaacatga acaagaagag tgggaggcct gaagagctgg 120

tgtcctgtgc agactgtgga cgctctgctc atttgggagg agaaggcagg aaggagaagg 180

aggcagcggc cgcagcacgt accacggagg acttattcgg ttccacgtca gaaagtgaca 240

cctcaacttt ctacggcttt gatgaggacg natttggaag agcntcgctc ctgtcgagga 300

cgccgcagtg gccggggttc acccacagca gataaaaagg gcagctgctg agcacatggg 360

acagactgtg tggccaatta gccacccctc cccctgactc tggtcattgt tctagttctg 420

atatatattt ttaaatgaaa gacaacttgg gcatttccct taatccttgc cttttccttc 480

tgcctcccac gtgtccctcc ctctcctagc ttccttctat tttgggtaca acagaagcac 540

acactactga gaaccagg 558

<210> 5359
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<400> 5359

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ctcaaaatta tttaaagtcc aaagtgaagc tcacctaaac gtcgagccat agagtcttta 120

attgcccgtt ggcagttgag ctacagtatc tgaaccttct gagacccgga gtgcagcata 180

gactgtgaag tcggcttcct ttccgattgc cttccgaacc ngtgncactg tcaggttgca 240

gtntttctnt tnttgcagca gtgtgtgttg gaaatggagg ctgtgtcgct ttgacatata 300

gaacagatca ntagttgcat agggacagat atgaagatac agccggtctt tgctttctta 360

tgcagatgcc tgtatgacag tatcagtgca ccagcccagc cagggagaca tcagcttcca 420

tt 422

<210> 5360
<211> 443
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (242)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(276)
<223> n is a, c, g, or t

<400> 5360
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attgctcctg acatgaaagg gcaggcaact atggtcctga gctctgcgta cttctggttg 120

ggattgttcc tggttccgac tgcgtgtttg attgaagacg tggcgtggag agcggccaag 180

cacacctgca aaaagactct gctggaggag gtgcaggagc tggagaccaa gtcccgagtg 240

annnncnnnn nnntncnnng nnnnnnnaan gnnannagga tgaacgagcg tgaccgtctg 300

atcaagaggc tcagcaggaa gacacctcca accctcttcc gaacaggctc catccagcag 360

tgtgtcagcc atgggtatgc cttttctcaa gaagagcatg gagctgttac acaggaggaa 420

atagtccgcg cttatgatac cac 443

<210> 5361
<211> 511
<212> DNA
<213> Mus musculus

<400> 5361
gatgagcttt tcaaccagtt tagaaaagct gcaatagaaa aggaggtaaa ggcccggaca 60

caggagcaga tgcggaaaca cctggagcat aatgcgaagg acccaaaagt atctcaagaa 120

aatcagaggg agcctggaag tggattgact ctagaatctt tatcaagtaa agtgcaagat 180

aagtctcttg aagaagatca gagtgaacag cagccaccgt cggaagctca agacgtaagc 240

aagctctggc ttctcaaaga ccggaatcta gcgagggaga aagagcaaga gcgcaggaga 300

agagaagcaa tggcgggtac cattgatatg actcttcaaa gtgacattat gacaatgttt 360

gaaaataact ttgattaaaa ctcagtttgt aaattaaccc tcaactttaa atgaaaggta 420

aaagtgttta cagtgggcgt ggttaaagtg gttactttaa acaccagaat gtcaatcact 480

gattgtgttc tgactgccct aaataatttt t 511

<210> 5362
<211> 491
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (397)..(397)
<223> n is a, c, g, or t

<400> 5362
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gacagtgccg ggtgcaacac ctgcacttcc cctcggtggt agatatgctc cgccacttcc 120

agcgttctcc tatcccactg gaatgtggag cagcttgtga cgtccgactc tctggctatg 180

tggtagtcct ctctcaggca ccaggttcct ccaacaccgt cctcttccct ttttcccttc 240

ctcactggga ttcggagctg ggtcatcccc acctcagctc tgttggctgt ccccccagcc 300

atggtgcaga ggctctccct ggccaagtga caccacctga gcagatcttc cacctggtgc 360

cttctcctga ggaactggcc aacagtctgc ggcagcntgg agctcgagtc tgtgagcagt 420

gcccgggact cggactatga catggactcc tcttcacggg gccaccttcg ggccattgac 480

aaccagtaca c 491

<210> 5363
<211> 458
<212> DNA
<213> Mus musculus

<400> 5363
atgtagctgt catccacaaa gatgcagaga tggtccggct gctcagggat gccggagccg 60

acctcaataa accggagcct acgtgtggcc ggacccctct gcacctggca gtagaagccc 120

aggcagccag cgtgctggaa cttctcctga aagccggtgc tgaccccacc gcccgcatgt 180

atgggggccg caccccgctt ggcagtgccc tgctccggcc caaccccatc cttgcccgcc 240

tcctccgtgc acatggggcc cctgaacctg aggacgagga cgataagctt agcccttgca 300

gcagcagcgg cagcgacagt gacagtgaca acagagatga gggcgatgaa tatgatgaca 360

tcgtggttca cagtggcagg agccaaaacc gacaaccgcc ttccccggca tccaaacctc 420

ttcctgatga ccccaaccct gcctgactta agtgctaa 458

<210> 5364
<211> 512
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (157)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

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<222> (166)..(171)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (174)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

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tgaggcccct tcacctgccc ccaccccatc acccacacca ttggaagact tcggcctcca 120

gaccagtgcc tcccctggac gcttgtcacc agatttnnnn ggnggnnnnn nggnntttng 180

gaagcatctc ccagtcctgg ctcccaggaa gaagatggag aagtggcctt ggtgctcctt 240

ggcaggccct cacctggcgc tgtgggccct gaagacatga cgctgtgcag cagccgtcgg 300

tctgtgcggc cgggacgccg gggcctgggc cctgtgccct cctagggcca ggtgcctccc 360

cagacttagg gtgggagcct gccagcttca tcacctccct tatcccaagt ctgttagcct 420

tggtgttagc attttaaaga gacccctcag gagttctggc ttctgattaa ctgccccgta 480

gccgggatct cgtggcgaga ctgtaactag tg 512

<210> 5365
<211> 576
<212> DNA
<213> Mus musculus

<400> 5365
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cgatctcgcc cttcatccag aggagcttcc cccaacagat ccacttccgg gtcgagtcat 120

gcctgccagg cagcctcccc accggtgcct gctgccgcca gcacacccaa gggcacacca 180

atccagggaa gcaagctgcg actacccggg tacctgtcag ggaaaggctt ccactctggg 240

gaggacagcg ccttgataac gacggcagcc gccagagtcc gaacacagtt cgctgagtcc 300

aggaagactc ccagccgccc agggagcaga gccggaagca aagccggaag cagagccagc 360

agccgccgag gcagcgacgc gtccgacttt gacatttcag aaatccagtc tgtgtgctca 420

gacgtggaga ccgtcccaca gacacacaga cctgtgcccc gagcaggttc tcggccatcc 480

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aagtcttcga agagatagtg caattggctc caacca 576

<210> 5366
<211> 524
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<400> 5366
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tgaaataata gtttttcttt tgtctgacag cttttcccag taatgtttga gagcacctgc 120

ngccctttgc tcctcactgt caacttcatg tacctgtggg ggtggtactg acactctaca 180

aagtcattcc caagtggtga ctgaatggaa ccacaggtta caacataaac ccagcattga 240

cttgcttttg tggtagctct gacttctaga agggctgcaa tctgggattt actgagcctc 300

tgagcaaagc tgtctgccag gctttgccat ttctgctcct gcagtacgtt ggcttgtgcc 360

tctctgtgcc acttccggga ttctcatagt cagccaatta gcaaagcttt caccttaca 420

ttttgtcaac ttctggatca tnttcaaatt ttgggagact ctgtggcttt gttgattatt 480

gtttcagtgt cagtccccaa atcagtggct gtagtttcct aaca 524

<210> 5367
<211> 486
<212> DNA
<213> Mus musculus

<400> 5367
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tgtagaagag ccccttttac ccgttcctgc tgccacctgg ctgtggcttg ggaaacccac 120

tagggcccag tcttcaaccc agtccacctc tccttcattc attcgccttc tacaagccta 180

aattcctggc atgaggggac aggccagttg acatcaactt tgtggcttaa gtagtgacca 240

cccttcccac cctaaactct taggggcatt ttggacctct gcctaggaac caggagtgaa 300

gagggatgga agatgaagag cagggacaac attcaaaggt ctggaaggaa cagtctgtaa 360

actatggcga tgctagtcta ctccacaccc accctgagtg ccgcccataa ttcctttcag 420

agtactgtag gttcggggaa agtgagacag cagtgtccag taaagatttt tgttgtccca 480

gtcact 486

<210> 5368
<211> 401
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (89)..(89)
<223> n is a, c, g, or t

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<222> (166)..(166)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
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<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

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<222> (267)..(267)
<223> n is a, c, g, or t

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<222> (277)..(277)
<223> n is a, c, g, or t

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<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

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cttgggccac tgaaggaaac ttcagctgnt cctttgaatc caccctggag ccccaagcct 120

ttagtcatac atatataact taaacataag aatactttag aaactntntt tatttttaaa 180

ggnattttnc tatatttata aagatcaaac tttggtngca actcctagtt ttcctgtggc 240

caatntcata tcccttattg cttgggnttt gatgacntgc ttgttgttaa ggctttgctt 300

tccttaaggt gctgcaattt ntatntgcat gtcagcacct gggcccctca gtgttgtcac 360

ctactgcaaa atgtactcag aagttaagtg tcccttccca g 401

<210> 5369
<211> 538
<212> DNA
<213> Mus musculus

<220>
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<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
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<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
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<222> (281)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
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<222> (378)..(378)
<223> n is a, c, g, or t

<220>
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<222> (422)..(422)
<223> n is a, c, g, or t

<400> 5369
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tnctggtncc antntgctgg gttntcccca ccgtgcagtt gctgcctggc ttgggggttc 120

catcatggca tgccgggant ccttccaaag cctgtggctc antcgcaggg aatatgaaga 180

ggaaggcccg tgggctgtct acaaatatca gctgtgagca cataaactgg ttntgcttgc 240

tttacgtant gntgcatggt ttaggtggaa ggaggtntgg ngaatgtaag actccagaca 300

cagggtcaat gagggggatt tgggtgntcc caaggcatac ctaacctcaa tactcaagaa 360

cctcatgagc cctggcantc tgccctttcc agagaccccc cagaacccct tggttgtcat 420

tntctccagt ctggtttgac ctttaccgca ccccaagggc aaccacagaa aatggctgct 480

gtggggtttt gccctgttgc cctgacgaca agtgcaatta cccttgattg ccagcttg 538

<210> 5370
<211> 405
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<400> 5370
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cgtctaatcc agctgggcat tacccatgtt gtgaatgtgg ctgcgggcaa gttccaggtg 120

gacacaggtg ccaagttcta ccgtggaaca cctctggagt actatggcat tgaggctgat 180

gacaacccct tctttgacct cagcgtccac tttctgcctg ttgctcgtta catcagagat 240

gccctcaata ttccccgaag ccgagtgctg gtccactgcg ctatgggggt gagtcgctct 300

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cagacggtgc aggcccaccg agatatctgt cccaactcag gcttc 405

<210> 5371
<211> 455
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (84)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(95)
<223> n is a, c, g, or t

<400> 5371
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aaaattgaga gtgtaaaact ggannnnnnn gnnnnggccc aagctaaagt tggctcactt 120

gacaatgctc accacgtacc tggaggtggt aatgtgaaga ttgacagcca aaagttgaac 180

ttcagagagc atgcaaaggc ccgcgtagat cacggggctg agatcatcac acagtcccca 240

agcaggtcca gcgtggcatc accccgacga ctcagcaacg tctcatcttc tggaagcatc 300

aacctgctcg aatcccctca gcttgccact ttggctgagg atgtcactgc agcgcttgct 360

aagcagggct tgtgaatact tctcctttag cactggagta acatttaggc atgagctctt 420

ggcaggagtg ggctctgagc aggtgtcata ttcat 455

<210> 5372
<211> 576
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (105)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<400> 5372
cagtattggc cagaaccctc agaaagctca tcctatggat gctatcaagn cacctgccac 60

tctgaagaag gaaaccctgc ctatatcttc aggaagatga cactnnttaa ccaagagaaa 120

aatganagcc gtcaacttac tcagattcag tacacagcct ggcctgacca tggagtacct 180

gatgattcga gtgactttct ggattttgtt tgtcatgtac gagaccagag ggctggaaaa 240

gaagagccca ttattgttca ttgcagtgct gganattgga aggactgggn ttcttattac 300

tatggaaact gccatgngtn tcattgaatg caatcagcca gtttntccac tagacattgt 360

aagaacnatg agagatcaaa gagcaatgat gatccaaaca cctagtcaat acagatttgt 420

atgtgaagct attntgaaag tttatgaaga aggatttgtt aaaccattaa caacatcatc 480

aaataaataa aacaaaaagg ttggaacaag tactgggaaa ctgattttgt tatgttcact 540

gtgccataat actgcttgca agaaatggcc tctcac 576

<210> 5373
<211> 485
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<400> 5373
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tgatggagtc accagtacag aagagctctc catcaccagg gattgtgnan ctataccgag 120

ccctcaacat gcactacaac aaagcaaatg actttgaggt tccagagaga ttcctggaag 180

ttgcgcagat cacgttacgg gagtttttca atgccatcat cgcgggcaaa gatgttgatc 240

cttcctggaa gaaggccatt tacaaggtca tctgcaagct ggatagtgaa gttcctgaga 300

ttttcaaatc ccctaactgc ctacaagaac tccttcacga gtagagattg caacgctctt 360

ttgaatgtat ggatagaaga attccccctt ggatgtccaa cttctctgtg tctagatttt 420

ggttttatat atttgtgtgg gggaggcatg gatatgttgt gatgtcagct gttggttcct 480

gctca 485

<210> 5374
<211> 388
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<400> 5374
gatgtttcgt cttctcgctt gtcaagtatg tacccctgac ctacaacaaa gtgtaccggt 60

acccggattg ggcaattggg ctgggcntgg ggcctggccc tttcctccat gctgtgtatc 120

cccttggtca ttgtcatcct cctctgccgg acggagggac cgctccgcgt gagaatcaaa 180

tacctgataa cccccaggga gcccaancgc tgggctgtgg agcgtgaagg ggccacaccc 240

tttcactccc gagtaaccct catgaacggc gcactcatga aacccagtca cgtcattgtg 300

gagaccatga tgtgaggtcc gggccatgtg acaggcgccg ctttcctgct gtttactaac 360

gttagattct cataggacca ggtttaca 388

<210> 5375
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<400> 5375
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ttcgacaagc acacgcttgg aagcgagagc aagcactaag acaagaggct gcctatctga 120

taccccagtg ggtcccaaga cctggatgga gttaacgatc tcctgtttct tgcccttaaa 180

acttgacacc gtctttccat tctcctcctt ctttgaactg ttttgctagt gttttgtaga 240

gaaaatatgc taagccctgt gctcactacg gctttctacc aacaccaaaa taccaattat 300

ttccccagcc tgaaagatag cccagaatan tatggtntga cagggatggg agacaaaaca 360

cttaaattag atacaagagt atgttctttg aatattatta agtgctgttc ctatccataa 420

acctgaactg aaattccatg acttccaatt caaccatctg tactgcctta a 471

<210> 5376
<211> 513
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<400> 5376
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agaaagtctg taaccctgcg gaaaatgaag caagaaataa aggagatcat gtccccaact 120

ccggtggagc tacacaaggt gaccttatac aaggactctg gcatggagga cttcgggttc 180

agtgtggcag atggcctgct ggagaaaggc gtgtatgtca aaaatatccg cccagctggg 240

ccaggtgatg ttgggggctt gaagccctac gacaggctct tacaggtaaa tcacgtncgg 300

acgagagact ttgactnctn cctggtggtg cctctcatag ctgaatctgg caacaagctg 360

gacctggtta ttancagaaa tccactggcc tcccagaagt cgatagaaca nccggctctg 420

cccagcgact ggagcgaaca gaacagcgct ttcttccagc aacccagcca cggtggtaat 480

ctagagacac gagaacccac taacacacta tag 513

<210> 5377
<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (87)..(88)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<400> 5377
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taagaatctt tttgaagaag caaatannaa atnngntgaa tnacngcagc ancngtcatc 120

agtagnacgg gnattagnaa gtnaaagaag attacaaaaa caggctgcct caantcagag 180

tgccacagag gtccgtctga atcgagctct tgaagaagca gaaaagtata aagtggagct 240

gagtaaantc aggcaaacta acaaggatat tacaaatgaa gaccatcaaa aaattgaagt 300

gttgaaatca gaaaacaaaa aactagaaag acaaaaagga gaattaatga tagggttcaa 360

gaagcagttg aaattgattg acattttgaa aaggca 396

<210> 5378
<211> 526
<212> DNA
<213> Mus musculus

<400> 5378
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gtccttacaa gaaggtatca atggggaaag cttggtgcgg gtaaattcct actttgagca 120

gtttaaggag gttttgccgg aggactgtct acctcgatct cggagtcaga cctgccttcc 180

agagctgctg cggttcctgg gacagaatgt ccatgcacgc aagaataaga atgtggacat 240

cctctggcaa gctgctgagg tctgtcgccg ccttaacggg gtccgattca ccagctgcaa 300

gagtgccaag gaccgcacag ccatgtcggt gaccctggag cagtgtctga tcctgcagca 360

cgagcacggc atggccccgc aggtcttcac acaagccctg gagtgcatgc gcagtgaggg 420

ttgtcggcga gaaaacacaa tgaagaatgt tggaagtcgc aaatatgcat ttaactccct 480

gcagctgaag gccttcccca agcattacag gcctccagaa gggact 526

<210> 5379
<211> 428
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<400> 5379
caattatctc agtcactcct agtggacgac aaagtgctgt tgtggtgttc agagatatca 60

cctctgcttg taaggctgtg agtgcatttc agtccatgtc gggaggctca atgttccagt 120

gctcatggca gcatcgattc atggcaaaaa aacaaaactt ggtcaagaaa atgtacttca 180

aaagtacact tagaaaaaag agaatcaaca gtaggagaac cacaggagct ccataactag 240

ctgggagtgg acttaccctn tccgaagcaa agacagcatc aaatagtgcc aggatggtga 300

cagcgattcc cacagctggg ccatttacta ctgcaaccag aggcttcgga aagtctataa 360

aacagtttac aaattcccta cagaaatgga aagaggagag cattaaagat ttcaaagtag 420

ccctacct 428

<210> 5380
<211> 555
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<400> 5380
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actccaggag cgggaggtga accgcagagg agacgctggc tcaggccttg gccctctagg 120

cagggaagct ggactgacca tatctgctgg gcatctganc tgcctgccac gaggtccaga 180

ctcttctgca tccacctatg gcatctgggt ttgctgtcac cctactttgt tntggccttc 240

ctggtgtaag agtctgtgtt ccttggtcaa gcttcctgat tcagaccagc tccatcaagc 300

aacctcggga aactccttgt ctgctgggca tctgacctgc ctgccacgag gtccagactc 360

ttctgcatcc acctatggcg tctgggtttg ctgtcaccct actttgttat ggccttcctg 420

gtgtaagagt ctgtgttcct tggtcaactc tcctgattca gaccagctcc atcaagcaac 480

ctcttttgac tttctgtata tggatggcac agaggaatca aggacaactt agctctctgc 540

atacttggaa caacc 555

<210> 5381

<211> 549
<212> DNA
<213> Mus musculus

<400> 5381
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catatctaaa gaaagattga aaatggctca ggcatccgtc agcaaactga catcagagaa 120

gaaagtggag acaaagaaaa tcaatcccac cgctagtctg aaagaaagac tgcgtcagaa 180

ggaagccagc gtggccacca actaagatga aaacagaagg aagttacaat atgaaagaca 240

gcacctcact gctcctgcag acacaagggc caccggggag ttcctgaaag actagttagg 300

gacatttgct catctccttc tgaggccatc tgcagaaagt cccctgtgcc ttctttggaa 360

agtctcttgt caatccacaa gaacaatgca aagttatgtt tgggaacact acaggaatat 420

gtaattgttt cttgcagaag tcttaagtcc acccaataat aagatcagaa gatatttaat 480

tcttttcaca ttttatttat ttaaagtgga aattctaagc cttccagtat ataccttgt 540

catgagaaa 549

<210> 5382
<211> 463
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<400> 5382
aggaggtcgg tcctccgctt ctgactccgc tctcagaaga tgcagaaatc atgcacctgt 60

cgccctggac cacccgcctc tcctgcagcc tcagccctca gtactcggtg gccatcgtgc 120

gctccaacct ctggccaggg gcctatgcct acgccactgg caagaagttt gagaacatat 180

acattggctg gggtcacaag tatagccccg agaacttcaa cccaatgctg ccagctctga 240

ttcagcaaga gtaccccagc ggccccgaaa tcacggagat gagtgacccc acagtggagg 300

aggagcaggc cctgaaggct gctcaggagc aggccctggc agccgctgag gaagaggagg 360

aagatgagga agaggaggag gatgaagacc tggaggactg aggccccaag ctccttccca 420

tagcccttcc ccttattngt agcaacagat tgtattttcc tat 463

<210> 5383
<211> 313

<212> DNA
<213> Mus musculus

<400> 5383
ggtccaagct ttcatctttg ccagaaaaca tcaagagatt gatgaatctt aaggaactat 60

acatagagaa caaccgactg gaacagctgc cagcatcctt ggggttaatg ccaaatctgg 120

aagttcttga ctgtcggcat aatcttctta agcaactccc agatgccatt tgccgtactc 180

gaaatttgag agagctgctg ctggaagaca acttactctg ctgcctccca gagaaccttg 240

atcacctggt aaatcttaag gtcctaacac tgatgaacaa ccccatggtc gaccctccca 300

tatatgtgtg taa 313

<210> 5384
<211> 392
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<400> 5384
taagaacatt ccaattccaa ccctgaagga atttgcaaag tctctggaga ccaacaccca 60

tgtgaagaag ttcagcctgg ctgcaacccg cagcaatgac cctgtggccc ttgcctttgc 120

agagatgctg aaagtnaaca agaccttgaa aagtctaaac gtagagtcca attttatcac 180

tggcactgga atcctggccc tggtggaagc gctgcgggag aatgacacct tgacggagat 240

caagattgac aaccagaggc agcagttggg aacagctgtg gagatggaga tcgcccagat 300

gctggaggag aactcaagga tcctcaagtt tgggtaccag tttaccaagc aagggccacg 360

gacaagagtg gcagctgcca tcacaaaaaa ta 392

<210> 5385
<211> 547
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (478)..(478)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (487)..(487)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (489)..(489)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (492)..(492)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (514)..(514)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (517)..(517)
<223> n is a, c, g, or t

<400> 5385
agagattcct ctccccaatg agcgggggga tgttggagga ggtaactggg atccagcaag 60

gattcagaga agccccccct aagtccttcc gtcaatgcag gaacatctac agtcaacaag 120

cccagtcttg aggggctctt gcaagatagc tgtgcttttg caaggacaga gctgctggac 180

acaaggaaaa agaaagaagg ttctggagaa cagagtcccc agtgtgagag caagggttaa 240

cactgtagaa gcagaaaccc tcaggggcat cctgacagan atgggaagcc acagtgactg 300

gaaggaggta acgcatgtta catctctgag tgagttactc tgtatggctt ccgttctccc 360

ccggaaatct cccagacttc tcagtggtgt gtggctctgt tgggatagga gaaggagctg 420

caactctctc tatccactgc agtaagccag cccggccctg agtaattccc agttattnat 480

ctgtaantna gnttcaagtt ccgtaccatg tgtntcntca cagaaccttg gaggtagccc 540

agatcct 547

<210> 5386
<211> 451
<212> DNA
<213> Mus musculus

<400> 5386
gaagattttg tagctggcct tggttgggag gtaaacctta caaaccactg tggcttcatg 60

ggaggccttc agaagaacag aagcactgga ctgaccactc cctattttgc tacctcgaca 120

gtagaagtaa tatttcatgt atctacacga atgccttctg attctgatga ctctctgacc 180

aaaaaattga gacatctagg aaatgatgaa gtgcacattg tttggtcaga acatactaga 240

gactacagga gaggaattat tcctactgag tttggtgatg tcctcattgt aatataccca 300

atgaaaaacc acatgttcag tatccagatc atgaaaaaac cagaggttcc cttctttggt 360

ccacttttg atggtgctat tgtgaatgga aaagttctgc ccattatggt tcgatccaca 420

gcaataaatg ctagccgtgc tctgaaatca c 451

<210> 5387
<211> 540
<212> DNA
<213> Mus musculus

<400> 5387
acccagcctt tctggagccg gacgagacat tcattgtccc tgactccttt ctcgtggccc 60

tggacatgga tgatgggacc ttaagtttca tcgtggatgg acagtacatg ggagtggctt 120

tccggggact caagggtaaa aagctgtatc ctgtagtgag tgccgtctgg ggccactgtg 180

agatccgcat gcgctacttg aacggacttg atcctgagcc cctgccactc atggacctgt 240

gccggcgttc ggtgcgccta gcgctgggaa aggagcgcct gggtgccatc cccgctctgc 300

cgctacctgc ctccctcaaa gcctacctcc tctaccagtg atccaaatcc caggaccgcc 360

atacgacagc cacctggtgc caagtcactg agcccgttgg ggtccgccga cccctgcgcc 420

tgggatggat gcccaccctc agccatgggc agacgtgccc cctcatccta ccggctgcct 480

ctgctggggg aacctatgcc aacggacttc tcccttccca acactggctg aagcagcagc 540

<210> 5388
<211> 76
<212> DNA
<213> Mus musculus

<400> 5388
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atgcacaata agaagc 76

<210> 5389
<211> 445
<212> DNA
<213> Mus musculus

<400> 5389
agaagtcttc acattttcaa acggaaggac tgaagcagat gtttctgctc caggaatgca 60

gggatagaaa ccacagagat tatggaaata atgtgcgtcc ttgtggccag tagacagtcc 120

cccttaggtc tgacttacag aaggtgggcc tggctgttcg cacctttatg gagaaagccc 180

tttcatttta gctaccagga accagtgatt gggtgagtaa atatgtgtgt tgtgtccttc 240

tatctagagg aagaacaagc taagaagaga caccttatct agcacagaat aaagtactaa 300

actccacctc taatgttaaa attgtgggaa ctggtaagat gttttagcaa aaacacttcc 360

tgacaagcct gaggccctga gtttgaacct tgagacccac ataatggaaa gacagaacca 420

atctacgggt tgtcttctaa cttct 445

<210> 5390
<211> 560
<212> DNA
<213> Mus musculus

<400> 5390
gcaacacatt tgtcaccagg ctttgaaggt gacagcctga caatgtgttg gagacacttc 60

tgaagggcaa gtgaacagac atactgtgaa gtggctcaac aggaggagcc tgagttgtgg 120

ggtctatgga tggcaaccag ctgattctgt acagggtaca cttgactgtg ggtatgcagg 180

tggcagctgc agccctcctg tgcttgtgta cgcatgactg catggaccag caccactgcc 240

tggccataac ttcagtgtct cctaactggg tgtgctttat agctccagct tcctgggagg 300

agcagtggag ccagctccct caccccttct tgccttccct ctgcctggcc tggaactcgg 360

gcttctgccc attgccctct gaagctgctt cccatctgat gtcactggga gacagcagct 420

gtctgtgggg tattggggtg caggtagatt agagctgtga aatccatgta cattaatacc 480

caatgggata aacttagatt tttttttac tctgaactct gaattgtttg tgcacatatt 540

tctgctacca ccaagactgt 560

<210> 5391
<211> 518
<212> DNA
<213> Mus musculus

<400> 5391
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acctcaggtt tggaaccatc tcctccacaa tgtgattaca ttaggccttc actcactggg 120

aagtttgctg gcaatccttg gtattatggc aaagtcacca ggcaccaggc agaaatggca 180

ttaaatgaaa gagggcatga aggtgatttc ctcgttcgtg acagtgaatc ttcgccaaat 240

gatttctcag tatcactaaa agcacagggg aaaaacaagc attttaaagt ccagctgaaa 300

gagactgttt actgcattgg gcagcggaaa ttcagcacca tggaggaact tgtagaacat 360

tacaaaaagg caccgatctt tacaagtgag caaggagaaa aattatatct cgtcaagcat 420

ttgtcttgat agtgctcgta cgagtgactg ttccacagct ttaactggtc atgtaactgg 480

agactggaca gaaagtgctg ggccaattgt acttgctt 518

<210> 5392
<211> 333
<212> DNA
<213> Mus musculus

<400> 5392
ggtcctttgc atatcttacg attaaggaca gaacaccgca gatcttaacc aaggttattg 60

atacattgca tcgacataaa agtgaatttt ttgaaaaaca tggagaggaa ggcattgaag 120

ctgaaaagaa agccatctct cttctttcta aattacggaa tgaactgcag acagacaaac 180

caatcacccc cttggtggac aagtgtgttg acacccacat atggaatcaa tacctggagt 240

atcagcggag ccttttaaat gaaggcgatg gggagccacg ctggttcttc tcaccctggt 300

tgtttgtaga gtgctacatg tatcggagaa ttc 333

<210> 5393
<211> 448
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<400> 5393
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gtcatcttgg atggaggtca gattgtgact gtaagcctta cagccaccct ggcnagcatt 120

ggtgcagcca gtattccnag cgccgggctg gtcaccatgc tcctcattct cacagctgtg 180

ggcctgccaa cggaggatat cagtctgctg gtggcggtgg actggctgct ggatagaatg 240

agaacttcag tcaatgtggt gggcgattct tttggggctg ggattgtcta tcacctttcc 300

aagtctgagc tggacaccat tgactcccaa caccgaatgc aggaagacat cgaaatgacc 360

aagacgcagt ccatttacga cgacaagaac cacagggaaa gcaactctaa tcagtgtgtc 420

tatgccgcac acaactctgt cgtaatag 448

<210> 5394
<211> 389
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<400> 5394
gatgtgaaag ttctctacgc agattatgga aacatcgaaa ccctgcctct ttccagagtg 60

cagcccatcc cagccagcca cctggagctg cccttccaga tcattagatg ctcactagag 120

gggccgatgg agctgaatgg aagctgttcg cagttagtga tggagctgct gagaaatgcc 180

atgctgaacc agagtgtggt tctctctgtg aaagccattt caaagaatgt ccacgcagtg 240

tcagttgaaa aatgttctga gaacggaatg atcaatatag ctgagaatct ggtgatgtgt 300

ggcctggcag aaaacctcac ttctaaaagg aaaagtgctt ccactaaaga gataccacac 360

ancagagact gctgttgcac agagttaca 389

<210> 5395
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<400> 5395
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gttagagagc aaactgcctt ttttnatagc cacagacttc taagtaaaag aagcaaacaa 120

aggagcgaag tggtataggg agatttacta atggccagtg ggacatctga gaggcaattt 180

gattttgatc atctcatccc acaagcctga aggncagaaa ctctgcctta ccttctgctg 240

caccctccc ccacacgctg ttgtctgttg atgctgctgt caagttttca tccaggtaga 300

gtcctaacaa taagccagta tgtaggactt gcctcccagc gcccttgtag ctnatagctg 360

cctagtttgc tgttctagat ctaccaaggc ctaccttctt cagaccccat ccctacctct 420

tatgaatttg acttcctgtc agtcctttag aaagggacag gaaaatgcca tgttctgaat 480

tctgatgcca tttctg 496

<210> 5396
<211> 474
<212> DNA
<213> Mus musculus

<400> 5396
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gaatataaat acacacatca gccaaaccgc tttcctgatc ttatgatgtg cttgccagag 120

atccgataca tcgcaggcaa gatggtgaat gtgcccctgg agcagctgcc cctcctcttt 180

aaggtggtgc tgcactcctg caagacaagt acggtgaagg agtgacctgt gccctgcacc 240

tccttgggcc acccacagtg ccttgggtag gcagcacagg ctccagagga aagagccaga 300

gaccaagatg gagactgtgg agcagctacc tccatcacaa gaagaatttg tttgtttgtc 360

tgtttttaac ctcatttttc tatatattta tttcacgaca gagttgaatg tatggccttc 420

aacatgatgc acatgctttt gtgtgaatgc agcagatgca tttccttgca gttt 474

<210> 5397
<211> 557
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 5397
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gaacaatgac agaatcacat catttcataa aagaatcaga cttagaaatt gagtcactgg 120

tggaaacatt ttcatatgac aatgaagaca aacagtcaat gagtgatgat ggacattttt 180

ctggaacaac acccaaatgg tgtcaaaatg atacaaatag aaaaattaca gttcaagact 240

gcatgtatcc taacttgaag tctcccactg aggggaaaat acctacccgc agtaaagcag 300

gaaaaatggc ggaatcagct catttcataa tagaatcaga tttggaaatt gaatntctgg 360

aagaaactgt gtcatgtgac agtgaagata aacaactact ggtataaaga tatttcagtt 420

gtttttttca atactgcttt ttggttggtt ttcaattgta tagaaaaggc tataattaaa 480

tatattttag gttactttgt tagtagtgat ttataaatgt ttcaggcttg ttgtaaccaa 540

gctagttccc aaacaat 557

<210> 5398
<211> 392
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<400> 5398
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ttgtnaggac agccccccga gggctgtnna atccccaagg tgatcgtnag caaccacaat 120

ctggctgaca ccngttcaga acaagcaact gcaagctgtc cttcagtggg tggctgcctc 180

agagctcaat gtccctattt tgtactttgc tggtgacgat gaaggaatcc aggagaagct 240

gcttcagctc tcagccactg ccgtggagaa aggccgcagc gttggggagg ttctgcagtc 300

ggtgctgagg tacgagaagg agcgacagct ggatgaagca gtgggaaatg tcacgcggct 360

gcagctgctg gactggctga tggcaaacct gt 392

<210> 5399
<211> 367
<212> DNA
<213> Mus musculus

<400> 5399
gagatcacca acctgctgca tggagacctg ctttctgaga accctcgacc ggtggccagc 60

tcctttgggt ctcaccgtgt ggtccttgac cgctggaagg gcatgaaccg agagcagcgg 120

gaggagatct ggttcacgca gaagcggcaa atccaggaga agctgaggct tcaggaggaa 180

gagcgccagc acagcatgga ctgggatttg cgcaggatcc ggaaggctca tgccagcctg 240

ctgcatgagc ggcagcagca gcgcttgctt cgggagcagc gcagggccct ggactgcagc 300

aacctcaacc tggccaggca gcagtactta cagaaaaaac aaatgaatac agcctcctca 360

agtcagc 367

<210> 5400
<211> 290
<212> DNA
<213> Mus musculus

<400> 5400
attacgatac agactgacac tgttgagacc atggctttac cccaaggaag tgggaataaa 60

gcagtgccgg gaatgaaccc tgctgacacg gttatcaaaa aggaatcgtt gcaagagtta 120

aagtgcacag atgctgatga cgaggactgg gatatatcgt ccttagagga agagaagtct 180

ctggggagta aaatagagca gagggagccg cctccggcca agcgggaccc cagctgcacc 240

caggtgcaga gggcctgggg cccagtgaac cctcgggaat tcaaggaaga 290

<210> 5401
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<400> 5401
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ataacttcca atctgcaaaa attaaggcta aaattgttaa ggtggacagg gaattcttgt 120

accttatttt agacccaatg tttaagagta ttagcgttat gggtaaggtt atcaaccctt 180

taacaaacta gatcttctca agtggtgggg cttctttcca agtttgattt gctttttggc 240

ttctatcctc tgattggctn ggatatgctt gtaattgttc actgaagttg attaacttta 300

gtggtcacac atacacaagg gactgtggat ggtctgtgtc aggcatcagt cctgttggca 360

tcactagcac atattcctgg gcctgaaatc tgtctctctt ccacttccca gatgaacttc 420

tccatctgca tcac 434

<210> 5402
<211> 272
<212> DNA
<213> Mus musculus

<400> 5402
gactccgaca atggccgagc ttggtgaagc ggacgaagcg gagttacaac gcctggtggc 60

cgccgaacag cagaaggcgc aattcactgc gcaggtgcat cacttcatgg aactatgttg 120

ggataagtgt gtggagaagc caggaagtcg gctagactcc cgcactgaaa actgcctctc 180

tagctgtgtg gatcgcttca ttgacactac tcttgccatc accggtcggt ttgcccagat 240

cgtacagaaa ggagggcagt aggccatacc tt 272

<210> 5403
<211> 173
<212> DNA
<213> Mus musculus

<400> 5403
gctgtgtgtc aaagcaaaaa ctgggccatc atgtgaagtc acttgtgttt gagctgtgct 60

gcaacagtga cagtggagac gacatagagg ttccttatgt acgatacatc atccgctgat 120

ctcttactga ctccgttctt tcagatctct cagtctatat caaaaccttt cta 173

<210> 5404
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (287)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(293)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<400> 5404
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tcaatttctc attgtcaggt tgaacagtta gtcagtaaaa catctgaact tgatgtgtct 120

gaaagcaaaa caagaagcgg aaaaatcttt cagagtaaaa tggtaaatgg aaataatcaa 180

caaggacaaa cttctaaaga aaatcggaag agaagtcttc gtcaatttag gaaaacaata 240

aatgcacctg agtgtaggtg acaaacaaga tgccctggac ttggngnnaa nnntccttca 300

cntcttggaa tctagtcaag agtcagtgct gaaganaaag gagagttagt gaaccaaagg 360

aacataccta aaaattattt ttcttatgca aatttgcagt tntcaacatt taaactaata 420

tgctgtatta tttgaaggtg tgccttctgt acntntgaaa attattttgt agttcatagt 480

tattaaacta ataaaagttt tagctattat attgtgttta cctgaga 527

<210> 5405
<211> 312
<212> DNA
<213> Mus musculus

<400> 5405
atgtgaattt cctcctcaga tattgaacag cagatgtgat gccatgattt atccaccgtt 60

tcagattcct atcaggacct gatacactct tcatgagaac ctgagacggt ttcaagtcag 120

aggcatatct attggagctg tggacatttc acatttcctt cttctcttca tctcatcctc 180

ttcagtcttt ccactggtct gtgccagagg aatttgccca gtaattctat tagtcctgat 240

ttgtcttttt ctttgcttaa atcagtttta ttttagccca atagtctgtt cttgtggcag 300

tgcattctga ga 312

<210> 5406
<211> 417
<212> DNA
<213> Mus musculus

<400> 5406
ccacatccca catcctgagg acaagagcaa tgacctgatg ctgctccgtc tcagcaagcc 60

tgctgacatc acagatgctg tgaagcccat cgacctgccc actgaggagc ccaagctggg 120

gagcacatgc ctagcctcag gctggggcag cattacaccc acaaaatacc aaatcccaaa 180

tgatcttcag tgtgtgttca tcaagctcct gcccaatgag aactgtgcca aagcctacgt 240

acataaagtc acagatgtca tgctgtgtgt aggagagacg ggtggaggca aaggcacttg 300

caagggtgac tcaggaggcc cactgatctg tgatggtgtt ctccacggta tcacatcatg 360

gggctctatc ccatgcgcta aacccaatgc gccaggcgtc ttcacaaaac ttattaa 417

<210> 5407
<211> 582
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (469)..(469)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (538)..(538)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (540)..(540)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (555)..(555)
<223> n is a, c, g, or t

<400> 5407
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ttcaaagaaa accttggaaa tgagtttgag aaatggcaac aaaaattcaa tgaactttgt 120

tctgaagggg aatgcagcca catgttgcaa ggacantccc aatacagact ctaagaagag 180

tgttgaagaa ttttctgatg acatatcaga gngtataaac agntcaaata tggatttaat 240

gttgcgtnta aatgagttcn gagctgaatt cacagatttg gatgtatggt caacaaattg 300

ctcacagaac aatgcaaaga agcctttaaa gacgggagga aagaaggaaa gggactcaga 360

tattgattct ggaggctcaa aagatgcaaa gaaagaggga aagaaaaaag gcaagagaga 420

atccaggaaa aagaggaata cagaatngag tgatgctgaa tntggtgant ccaaggatgg 480

aaagaaaaaa tcaaaacacg ataaaaaaaa tgaaattaag aaaaagaagg atacagantn 540

tactggtagt ggatntgggg cgtccatggt ttcaaagaaa gg 582

<210> 5408
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<400> 5408
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tgcgctcatt tcagtgggac ccacagcagc cgaggctggc catctgcaca ggaggaagca 120

aggtgtacct gtggtcccca gcaggctgcg tgtcggtgca ggtgcctggg naaggtgact 180

ttccagtnct cggactntgc ntggcactta antggggatt ccttgnccct ccttagtaag 240

gaccacttct ntntntgctt cctggagacc aaggagaggg ttggcacanc ctacgaacag 300

cgggacggca tncctaggac ctgagtggaa accaaggcag tagactgctg attccaacgt 360

gagctaacgg ctgcacaggt tctccagatg ggatgggcta tt 402

<210> 5409
<211> 449
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<400> 5409
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cggcgtcgtc ccctctgcca ccccctctgc cagccatctg cttttcctca gctccactcc 120

tggacttgcc tgctggctac aaactggggt cctcggcttt tgagccctac agcagactag 180

aacaacagaa agtaggcagc cctggccaaa gtgacaagaa agctgacatn taagagtccc 240

atccctgtgt gacacttgag tccccagcag agcactaccc tagcctcctg gcccccgtgg 300

actatactga gcaggcctgg aagaggaagg gtgggcacag catgcgcatg tgcctctcca 360

cctgccctca gctcagagac tgaaccaaat gactttggtc ctaatgtact ttctgatgtg 420

tgagtgctag ctatgtgcac ctatgcgtg 449

<210> 5410
<211> 586
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (444)..(444)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (473)..(473)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (485)..(485)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (497)..(497)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (534)..(534)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (543)..(543)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (554)..(554)
<223> n is a, c, g, or t

<400> 5410
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cagaaatgag gacaatgaga ctttggcgtg ggagggtgtc atgaaggaga attaccttgt 120

caagatcaac acgaaagcca acgacaactc agaggagatg aggcatcggt ttagacaact 180

ggactcaaag cttaacgacc tcaaaagtct tctgaaagag attgctaata acatcaagta 240

aggctggcga tgcttgtggg gagaaaccaa atcacaatga ggtcncagca accnnctgga 300

tgtggaggct catgggacnc tgatggacag tactgctaat gacttntaaa ggagacattt 360

tcaggtccct gagcncaggg tggatgactn ttagtcnccc tcaagggcat aggtcaggga 420

gcaaagtgta cagaggactt tacncctgaa naggggtgca aaggaccatg ttnttctgtg 480

aaggngcctg tgttttntgc atctcagagc cttgtcctga tgctgaggga ttangtgttg 540

acnctccttt cccncgactg tgactctggc cctgatttta tactta 586

<210> 5411
<211> 451
<212> DNA
<213> Mus musculus

<400> 5411
ggagtccaga cagaaggcct tgactatgac aggctgaagc aggacatttt agatgagatg 60

agaaaagagc tggcaaagct gaaggaggag cttattgacg caatcaggca ggagctgagc 120

aagtcgaaca ctgcataaag aagcaaacta cggaggggca ggacttgaat ctggagaaaa 180

caaaaattcc tacaaacaac tcttaacccc caaactttta agctgtaaga agaaaatgga 240

tacacagtca ggagggaagc cgtcaacctc tgaaagcctc agacagtgac tctggcgatc 300

agctgtcccc tcagtgtgct gctttattct gtctgacctt taccacagga tggagaatga 360

tattggagtt cccttagcag tactaaaccc gtcaggcaag atcaccgtgc attgaaatat 420

tttcatgtct agatgagtct gcacgttttc c 451

<210> 5412
<211> 413
<212> DNA
<213> Mus musculus

<400> 5412
gtttatgttt caatggtcac cgagcacatt tgttcttcat acttgaaaaa tggtgtgact 60

tctgaagaaa atcccctgac aacactgttt aaaaaggtat aaattagtat gtttggcttg 120

gtttgaacaa tatgaacagt tttaatattt atttatgtta atattcttaa cagtttccaa 180

agtatgtgta cctccaactc tctttgaagt gttctggcct tacaactgct cagtgttgca 240

taaaacaatc tatttttata tttgaaagac gaatgaagct atttcatagt tttgccaaca 300

cagttattgt actttgtaat ttcctaagac aatgttcaca atattacgac actggaacag 360

ttttgagtat atttacaaca tttaaaaaca gggaccattg taatgaactt att 413

<210> 5413
<211> 68
<212> DNA
<213> Mus musculus

<400> 5413
gttggcctgc cctaagtggt ataatcctaa catataggga tattggcatt gagacagtaa 60

attcattt 68

<210> 5414
<211> 296
<212> DNA
<213> Mus musculus

<400> 5414
tacagcaaga cttcatcgtt cacttcaggg catttcaaca gagaaaggcc gctgctcctg 60

ctgctccgag aagtgggaat cctggctacc tcactgggaa gccactctta gtgctaactg 120

gtgacacaag tcactcgatg accctgttgc agagcgaggg taatgggctt tgctctgcta 180

agagacacgc agtacagttt ggagtgaacg cagtatctgg gtgccagtta agacccagag 240

aggtgaactg cagccacttg caggaggagg tttatcagac tctgcacgga aggccc 296

<210> 5415
<211> 541
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gagggaaaga gactccttag gtgagacatc agcatctcgc tcatctcctc aggagaggcc 120

tccactaaaa cccttcgtcc tcactcgaag tgttgcccaa gcacaagtgt ttggagctgg 180

gtacccaagt ctggcaacta tgaccgtgaa tgactggtac gagcagcgcc agaaaaatga 240

ggtctcacca actcttcagg aagcagaaaa gcaggcacca ccatctgaga ctttcactgt 300

atctgagaag gaaganccag acctnnagca aaaggaagna tgaagangag aatnccctnn 360

acaggatgca ggagtgggat gantggaagg acantcatcc taggggatat ggcaaccgac 420

agaacatggg ctaatntccc ctcccctcgg tgtgaaaaga tgaaggagnt ntcaccttcc 480

cagacaagga aaaccctgtt ntcttccctt cctcaggccc ctgcttcaga agtgtgcaac 540

a 541

<210> 5416
<211> 345
<212> DNA
<213> Mus musculus

<400> 5416
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ttgtggcaga gtcacacatc attctagtac tgaatgctgc tatcaccatg gggatggttc 120

ttctaaatga agcagcaact tccaaagggg atgtcgggaa aagacgcatc atttgcctcg 180

tgggattggg cttggtggtc ttcttcttca gttttctact ttcaatattt cgttcaaagt 240

accatggcta tccatatagc tttttaatta aatgaagcca aatgggattt gcgtaaagtg 300

agtgtttact gtgaagagaa gcagttcctg acattatatt atttg 345

<210> 5417
<211> 451
<212> DNA
<213> Mus musculus

<400> 5417

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agattttgta ttaatcctaa tgctggattt gtccaccaac ttcagctctg gctgtcctgg 120

aattcagcga gatctgcccc tctgcctctg aagcaaaggc aggtatatca ctgtgcattc 180

aagactagta aaaacaaaca aacaaataac agcttttagg gctagagaga tggctcagca 240

ggaatatgaa gccatctact tagcaaaatt aacaatacag atgatgtcac cactccaaat 300

agaaaggtcc ttagctgttc attctggtac cacaggtagt gtgaagagaa cacatgagga 360

agatgacgac tttggaaaca tgcaagtggc aaccgcacag aacggctgac ctgtgaggac 420

tgttacatgg gtgtgagctt ccatctggaa a 451

<210> 5418
<211> 423
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (97)..(101)
<223> n is a, c, g, or t

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nnnnnncnna gcccttnnnn ccnnnnnnct nnanagnnnn nactcagctt ccaaggcttt 120

tgtgtacaca ttttccaagg ctctgagtgt ggaatacaga gataaaggaa tcattattca 180

ggtgctgacc ccttattcta tttcaacccc aatgacaaag tacctaaata acaagatgac 240

caagaccgcc gatgagtttg ttaaagaatc cttgaaatat gtcacgatcg gagctgaatc 300

ctgtggctgc cttgctcatg aaatcattgc aataattctg aaccggatcc cttccagaat 360

cttctatagc agcaccgctc aacgattcct cctgacacga tactcagatt acctcaaacg 420

caa 423

<210> 5419
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<400> 5419
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atcaggaggc catcgcactt aaacttgagg aagatcccct agggcaggat gcctctggga 120

ggcaggagac tctggctctg aggccagctt ctatggcaga gccacaggga gacgaaaaac 180

ccggagagaa cactgagctt gtgaaaagag cagttctgga tccctttgaa ccaaaagcca 240

caatagagct gcctccgtct ttacatcaag ctctgcccac atcagctgat acatactcac 300

ctgtagatgt ggcaatagat gaagctgcag atgaggctgc agatgtttca cctgccagtg 360

gtacaatcta cttatgtttt acccgtggac tgcaactttg aggcaaacag gttgatcgtg 420

ggaatgggac cctcacantc caccctggaa gcagggaaag caagcagctg gtgtggcaga 480

aagtggacaa atcccagcag cggtgaacaa tataa 515

<210> 5420
<211> 576
<212> DNA
<213> Mus musculus

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<222> (332)..(334)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (337)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(344)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (354)..(355)
<223> n is a, c, g, or t

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<222> (360)..(360)
<223> n is a, c, g, or t

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<222> (372)..(372)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (377)..(378)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (434)..(434)
<223> n is a, c, g, or t

<220>
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<222> (437)..(437)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (495)..(495)
<223> n is a, c, g, or t

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<222> (510)..(510)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (521)..(521)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (523)..(523)
<223> n is a, c, g, or t

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tttcagtatg cacagaacct gatattatgg gctattttta tgaagcttgt agttctggtt 120

ttcagtgtga tagctttcag gattagctgc atgaaagatc catttctaat gatgcagata 180

tattgctaca agttctctac cttagttttg ggtattagca gtctttttat atttgttgct 240

gtgagctgga accatatggt agatctttat ggccaaacta ctcttgactt tccacccaaa 300

tttcctgtcc agaaagaagc cttgaaaaac annnatnnga ctnntgtatt tccnntgggn 360

atcctgactg cnacnanntc anttttnngn gggatcnnnt ttntttntga gataagctat 420

ttgaaaatac agantcnant tgaggccaag agtgtttcca aagtggccct tcaagnggcc 480

tgaagtgagg ccttntgcat agccaacatn tgtcagatgg ntnttagaag aaatttacaa 540

ttgacataca aaacttatgt agtcaccaac ttgttc 576

<210> 5421
<211> 510
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<400> 5421
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gatgttcagt tcgtggaacc tccgtttgat gacgcaattg ctgattcagg caaagaatgg 120

aaaagtgccc tggcaaaatt aaagttcgct aattcatata gaatggagcc actgaagaaa 180

tttcaagcac attcggtaga aactaaaatc cagcagatat taaaggacag tcttaaagat 240

gtcaaatatg atgacaaagc ccctcatttg tcacttgaat tggcagatcg aatattggca 300

gcagtcaaag aatttgcata ccatcgttat aaattcatta tacaagtatt atttattcaa 360

aagactggtc aagnaataaa tattgccagc agatggatct gggatgtggc atgggacaac 420

tgggtagaag ctaaacatga aacagagtct tacgtggtat tggccttggt gtttgctctc 480

tattgtgaat agctcaggac cagcattttc 510

<210> 5422
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

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agtcttttcg tgatgttcag ttcgtggaac ctccgtttga tgacgcaatt gctgattcag 120

gcaaagaatg gaaaagtgcc ctggcaaaat taaagttcgc taattcatat agaatggagc 180

cactgaagaa atttcaagca cattcggtag aaactaaaat ccagcagata ttaaaggaca 240

gtcttaaaga tgtcaaatat gatgacaaag cccctcattt gtcacttgaa ttggcagatc 300

gaatattggc agcagtcaaa gaatttgcat accatcgtta taaattcatt atacaagtat 360

tatttattca aaagactggt caagnaataa atattgccag cagatggatc tgggatgtgg 420

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tgtttgctct ctattgtg 498

<210> 5423
<211> 505
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

<400> 5423
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cccgcaccca tggaactttt gggcgtgagc ctgcagcagt caagcccgat gatgacagat 120

acctgcgtgc agccatccag gaatacnaca acatcgccaa gctgggccag atcattcgag 180

aggggcctat taagctgatc cacaccgacc tggaggagga gcctggggac cacagcccag 240

gccagggcag cctccgtttc cgacacaagc cacccatgga gctcaagggg caagatggaa 300

tccacatggt tcatggcagc acgggcacac tgctggccac tgatctcaac agcttgccgg 360

aggacgacca gaaggggctg gaccgctcgc tggagactct gacggcctct gaggccnact 420

gcctttgagc gcaatngccc gcacagagtc ggccaagtcc acccctctgc ataagctccg 480

ggacgttatc atggagagcc ctctg 505

<210> 5424
<211> 412
<212> DNA
<213> Mus musculus

<400> 5424
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cttgggatgg aaaagacaaa agcacaacca agaaggttct gaggagatga gcaaataact 120

tcaaaagaac tacagtgttc cctgaacaat gtttatttta tgtttattct tagatattca 180

ccccattata tgtccatgtt tttattgtct attgtggcca caaatacttc aaagtaccat 240

gtgacaattg ccccttccat atgatttaca tgtggcagag tatggaatta ggaaaaggac 300

acactgtagt ccttttctag acagcatcca aaaataaatt ttactactat gtattcataa 360

tatagatgag cttttcaagc aaattcttcc ttgtattatt ctctgtattt tg 412

<210> 5425
<211> 553
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

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<222> (199)..(199)
<223> n is a, c, g, or t

<220>
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<222> (213)..(214)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

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<222> (419)..(419)
<223> n is a, c, g, or t

<220>
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<222> (437)..(437)
<223> n is a, c, g, or t

<220>
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<222> (439)..(439)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<220>
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<222> (488)..(488)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (507)..(507)
<223> n is a, c, g, or t

<400> 5425
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ccccaagtcc ctgtctccaa agctctttat cttagtaaat atctgcaagg ctccagtctg 120

gcaggggtca acataaggac ggccttcaaa acctttgcta aaaaaaaaaa ccccccntttt 180

tttaaccccc cntaacccna ttaaaaaaaa aannccctga cggggtcctc ttccagactc 240

atgccatgct ttggaatagg gcaagccagg gcttgtttgg actggtcatt angctancct 300

aatctctgca tagcttgcac cttgatangt tggagggagc ccccttttnt atcttaccct 360

gnggcaaggg tttgcacaac ccctgcggaa ggcacccctc cccacacaca ccttcttang 420

gaggggggtgc tggagtntnt ttttttgttn gctgaggaga tactgctgaa aggttgccct 480

ttccccangc tattcaccat acctacntct ggggacgaaa ggtaacccga ccaatttctc 540

aaaggtttca aag 553

<210> 5426
<211> 356
<212> DNA
<213> Mus musculus

<400> 5426
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ctggctaacg aatgcactta agtctttatc aattattagt actaggagta actgtgtaaa 120

tgtcttggta acgacaaccc agctgattcc tgctcttgca aaagtcctgc tctacagcct 180

aggaggtgct ttccccattg agaacattta cagcgcaacg aaaataggca aggaaagctg 240

ttttgagcgt atagtgtcca gatttggcac taacataact tatgttgtga ttggagatgg 300

ccgggatgag gagcacgctg ctaaccagca caacatgccc ttttggagga tatcaa 356

<210> 5427
<211> 418

<212> DNA
<213> Mus musculus

<400> 5427
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gtgtggaacg agatccacca caagaccgag atggaccgca acgtgacagg ccacggctat 120

ccggacccca actacctgca gaatgtgctg gctgagctcg ctgcccaggg agtgaccgaa 180

gactgcctgg aacagcagtg acctcgggcc tgcctctgcc gaccccacag ccctgggcgg 240

ggcgggtggg caggaaggtg tgccttcggt gagaggcaag agtgtgtgtt gggtttgtgt 300

agcccactgg ggttgcacct cctcctaaag gttgggcttc ttgcctctgc tgccaccatc 360

ctgtctgcgc cggggtctgc ctggaaaatg ggcaccctcc tcagtattgt acttgtgg 418

<210> 5428
<211> 411
<212> DNA
<213> Mus musculus

<400> 5428
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aaatctcggg aacggctgtc tgctgcgaca aggagtgtct gtgcccatcg ctcctgttca 120

cctgccagcc tcctgtcccc agggggggtg tcacacaccc gggcctcccc aagtgatggc 180

tcttgagccc aggaacatgc atggccctca ggatgaggag cccagcaggg acacagttct 240

gtcacagctc ctcttgtcct tgtctttcct tcccaggttc cagtctttaa tttcaaggaa 300

aggagagttt gaagttggca ttctgttaac aaaatcaggc agtctcattc cgaataggtt 360

ctatgtacac gttccgatgt tttgtagaac actcgtgcct gttgaaacgt a 411

<210> 5429
<211> 267
<212> DNA
<213> Mus musculus

<400> 5429
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ctgttgatgc tttcagtgta tggaaaaccc agcgagcctt tgacaagtat gagaagtctg 120

cagccctggt cagcaacagc cagctcttag taaagccact ggatatgatt gtgggcaagg 180

cgtggaatat gttctcatcc aaagccttta tccatcagta cacaaaattt ggaatggagg 240

aggaagactt tttggacagc tttgcat 267

<210> 5430
<211> 278
<212> DNA
<213> Mus musculus

<400> 5430
gatgatgtct gaagctgcac tcaatggcaa cggggaagac ctgaacagtt atgacagtga 60

tgaccaggaa aagcagtcca agaagaaacc ccgcctcttc tgtgacatct gtgactgctt 120

tgacctccac gatacagagg actgtcccac ccaggcacag atgtcggaag atcctcccca 180

ttccactcac catggcagcc ggagcgagga gcggccatac tgtgagatct gtgagatgtt 240

tgggcactgg gcaaccaact gcaatgacga cgagacct 278

<210> 5431
<211> 577
<212> DNA
<213> Mus musculus

<400> 5431
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gtgtgtggca tcatcctggt gttcctgctg gcagagctga acaccttcta cctgaagttt 120

gtgctatgga tgccccctga acactacttg gtccttctga ggctggtctt cttcgtgaac 180

gtgggtggtg tggccatgcg tgagatctac gacttcatgg atgaattgaa gccccacagg 240

aagctgggcc agcaggcctg gctggtggca gccatcacag tcacagagct tctcatcgtg 300

gtgaagtatg acccgcacac actcaccctg tcactgccct tctacatctc ccagtgctgg 360

actcttggct ccatcctggt gcttacatgg actgtctggc gcttcttcct gcgggacatc 420

accatgaggt acaaggagac ccggcgacag aagcagcaga gtcaccaggc cagagccgtc 480

aacaaccggg atgggcaccc tgggccagat gatgacctgc tagggactgg aactgcagaa 540

gaagagggga ccaccaatga cggtgtgact gctgagg 577

<210> 5432
<211> 225
<212> DNA
<213> Mus musculus

<400> 5432
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ccggaaagtg aagagcctta taacttttga aggtgggtca atgatccaga tccaaagatg 120

gcttggcaaa cagacaacaa ttaaaagaag aattgtggat ggaagaatgg tagtggagtg 180

caccatgaac aatgttgtca gcactaggac ctacgaaagg gtgta 225

<210> 5433
<211> 410
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<400> 5433
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cctgctgaga ggcctcccca gctcaggcct ggggccccta cctccctaca gacagaaccg 120

caagacagga gcccggcacc catgagttgt gacaagtcaa cacaaacccc aagtcctcct 180

tgccaggcct tcaaccacta tctcagtgca atggcttcca tacgacagtc tcaggaggaa 240

cctgaagatc tgcgcccgga gatacggatt gcacaggagc tgcggcggat cggangacga 300

gttcaacgaa acttacacaa ggagggtgtt tgcaaatgat taccgcgagg ctgaagacca 360

ccctcaaatg gttatcttac aactgttacg ctttatcttc cgtctggtat 410

<210> 5434
<211> 449
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cctgattgag gcagtacctg agccgccaca gcactctgac ctgaggtcac tgccaacccc 180

tgctagacaa caccagtggg cttcacttac tgctatatcc tcttttagac aggtttctca 240

tgctcccata ctttcaaaaa gcccagaggc tgactcccag caacagtgac taaccgttcc 300

tgccaacagg gccagagcct caaagtccct ggtacaagca gccttcacag aggacccaga 360

ctntcctagg tnccttgagg ccacgccagt gcccatgggc ttccattcct ctgttactct 420

tttcaaacag ctcttcatgt gaggctcct 449

<210> 5435
<211> 450
<212> DNA
<213> Mus musculus

<400> 5435
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tctccatcca tagatacact ggaccacata agagccctgg atcgcttgca agaagttcca 120

catgagggcc caatgtgtga tctcttatgg tcagatccgg atgaccgtgg cggctggggc 180

atttctccac gtggtgctgg ctacacattt ggacaagaca tttctgaaac atttaaccat 240

gccaacggtc tcacactggt gtctcgtgct caccagcttg taatggaagg atataactgg 300

tgccatgatc ggaatgtggt caccattttt agtgcgccca attactgcta ccgttgtggg 360

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ccagcacctc gtcgtggaga gcctcatgtg 450

<210> 5436
<211> 435
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (229)..(229)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (273)..(273)
<223> n is a, c, g, or t

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<222> (287)..(287)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (332)..(332)
<223> n is a, c, g, or t

<220>
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<222> (369)..(369)
<223> n is a, c, g, or t

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<222> (377)..(377)
<223> n is a, c, g, or t

<220>
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<222> (388)..(388)
<223> n is a, c, g, or t

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acgcggctga ccctgatgga ggaggtgctc ctgctgggcc tcaaggaccg agagggttac 180

acatcatttt ggaatgactg tatantcant ctggattacg tggctgtant gttanttgan 240

anttagcntt tgagnaggaa nggttacagt tangaggctt gtggaantga ngnanagaaa 300

aagtctttta accagaaagg tgatctgtan antcggatgc tccaacaggg gatgttcttc 360

ttgatgaang ctctaanagc atgttaangg agactcagcc tccagagaca gtccagaact 420

ggattgagtt actta 435

<210> 5437
<211> 390
<212> DNA
<213> Mus musculus

<400> 5437
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gtctcatcaa gaaggtacaa gaagctgttc ttgacaaatg ggtaaatgac cctcaccgaa 120

tggacaagcg cttgctggcc ctcatttacc tagcccatgc ctcggatgtt ttggaaaatg 180

cgtttgctcc tcttctggac gagcagtatg atctagccac caagagagta cggcagctcc 240

ttgacttaga cccagaagtg gagtgtctga aggccaacac caacgaagtt ctctgggctg 300

tggtagctgc gtttaccaag taactgtcag aattcaatgt ttccttttc tcatgtgaac 360

cagtagtttt tcttctattg actctggttt 390

<210> 5438
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<400> 5438
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gctcgccatt ttcaagaaag cgttgccagc cctccccatc tccatcacct tncgggctcg 120

tgttctactt cgccacggat taccttgtgc agcccttcat ggaccaactt gcattccatc 180

agttttatat ctagcctttc tgcagttaga acatggatgt ttcttctttg attatcaaaa 240

acacaaaaac agagagcaag cccgaggagg agactggtga ctttcctgtg tcctcagcta 300

acaaaggcag gactccagct ggacttctgc agcttccttc cgagtctccc tagccacccg 360

cactactgga ctgtggaagg aagcgtctac agaggaacgg tttccaacat ccatcgctgc 420

agcagacggt gtccctcagt gacttgagag acaaggacaa ggaaatgtgc tgggccaagg 480

agctgccgtg ctctgctagc tttgacccgt gggcatggag atttacccgc actgtgaa 538

<210> 5439
<211> 470
<212> DNA
<213> Mus musculus

<400> 5439
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tcacatcagt gactctgacc acttttgttc tcaaactctc tcactattat ctgtggttgc 120

cgtttcttcc caaggccagc ctggacgaat ttggggttgc tctatcctga gagttgtaac 180

ctcaacttcc aaagtttata ttttcttgaa atgatggatc tattgctcaa cagtccctgt 240

catccttaag tgacttctgg gtttcccaca aattcctcac ttttagacac actctaagct 300

tacttctggc ctggatgctt cctctccctg tctctccctt gccccacagc ggttccctga 360

cagcagacaa ggcagctctg ggaggtagct agtatccaat aacccagggg tttcctcatg 420

tgatgcaaat actacgtgtc caaccaatca gtgctgtcaa cgggctgcca 470

<210> 5440
<211> 507
<212> DNA
<213> Mus musculus

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<222> (231)..(231)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (254)..(254)
<223> n is a, c, g, or t

<220>
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<222> (263)..(263)
<223> n is a, c, g, or t

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<222> (268)..(268)
<223> n is a, c, g, or t

<220>
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<222> (283)..(283)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (361)..(361)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttcccagcc ttcttaacca cagtaccccg catcacttaa aaacagaagc attgcctctg 120

gtataccaat gagccaagtg gagtttgaaa tggcctgtgc ttcactcaag cagctgaagg 180

ggcctgtgag tgatcaggag aaactgctgg tgtacagctt ttacaaacag nccacccagg 240

gngactgtaa catnccctgt ccntcctncc acagatgtga gancaaaggc caaatatgag 300

gcctggatgg taaacaaagg gatntccaag atggatgcca tgagnatnta cattgctaaa 360

ngtggaagag ctgaagaaaa aggagccatg ctaagagcat tttggcagac acaaggaagt 420

agcatggntc cactggtagg ggacgggttt aagattcctg atggctgaaa cacactgaaa 480

gggtagcagc gttagcagaa acaccaa 507

<210> 5441
<211> 414
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

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gctgtccacg ctggacgaag ccttcgaaga actgagaagc aaanantccg gtggactgaa 120

ggcagcaatg atagagttgg tggaaaggtt aaagttcang agctcagacc ctaaagtaac 180

tcgagaccag atgaagatat ttatacagca agaatttaag aaagttcaga aagttattgc 240

tgatgaggag cagaaggccc ttcatttagt ggatatccaa gaagcaatgg ccacggctca 300

tgtgactgag atattggcgg acatccaatc tcacatggat aggttgatga ctcagatggc 360

ccaggccaag gaacaacttg atacctctaa tgaatcagct gagccaaagg caga 414

<210> 5442
<211> 549
<212> DNA
<213> Mus musculus

<400> 5442
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atgccctctg caggaaagga tgtgccctgg cagatcacct tcttcataca cagcctcacg 120

acggggcagc agctggagat gctgaagcaa aggaagaaga aggagaaagt accatggaat 180

ctctatcgga aacctattgg gaaactacaa agtggacaga tctttttgac actaaggttt 240

tgatatttgc atacaagcat gcattagtaa ataagatgta tgggagaggc cttaagtttg 300

caaccaaact cgtagaagaa aaaccaacaa aagaaaactg gaaaaattgt attcaactca 360

tgaaattact tggatggacc cactgtgcat cttttactga aaactggctc cccatcatgt 420

atcctcctga ttattgtgta ttctaaaata agaaccaaaa ctttacattt caaaacagaa 480

aattttatag tgaatggata tatgaagaat tgtgtggcat ttttagtctg actaatgcat 540

gttttcatc 549

<210> 5443
<211> 311
<212> DNA
<213> Mus musculus

<400> 5443
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ttcgatcctg tgcagcgcta caagatgctc atcccgcaac tgaaggagag tctccagact 120

ttgatgaagg ttgcagccca gaatctgatt cagaacacta acattgacaa tggacagaag 180

agcagtgacg cacccttgca gcgctttgac aagtgtttgg aggagtttta cgcactctgt 240

gatcagctgg aactctgctt gcgcctggcc cacgagtgcc tttcacagag ctgtgacagc 300

gccaaacact c 311

<210> 5444
<211> 516

<212> DNA
<213> Mus musculus

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<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

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ggtgtttacc aaggaggaag ccaaacaatc cgcagaaact atagctgcca gccagaactc 120

agacaagccc tccagagacc cagagactcc ccagtcctca ggttctaagc gcagcagacg 180

aaaagcaaac agcaaggttc tagggaggtc ccctctcacc atcctgcagg atgacaactc 240

ccctgggacc ttgacactac gacagggtaa gcggccttct gccctcagtg agaacgttaa 300

ggacctaaag gaaggagtcg ttcttggaac tggaagattt ntcaaagctg gaggaggagc 360

acgggagccn aaaccaggac cacgacaagg aaaatcagca ttttgccttg ttggagagct 420

agggctgtgc tggagtcatc cccaagggca ccaaagaaag ccctgttctg attcctctca 480

ggcaccaact ctggtacttg gacatcgttc ttttaa 516

<210> 5445
<211> 489
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

<400> 5445
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tcaccccgga tggaaatgtg ctcggggagc aacaaggcca agaagaagaa gtcgtcaaga 120

gtcccacctg acaaacccaa gcaccagact gaagacgatt tccagaggga gctcttttcc 180

atggatgtcg actcacagaa ccctatgttt gacgtcagca tgaccgctga cgcgctggat 240

acacctcata tcaccccngn ctccaagcca gtgtagcact cccccagcaa cgtacccaca 300

gccagtgtct caccccccagc ccagtattca gaggatggtc cgactgtcca gttcagacag 360

cattggccca gatgtaactg atattctttc agatattgcc gaagaagctt caaagcttcc 420

cagcacgagt gatgactgcc caccaattgg cacccctntt cgagattcct caagttctgg 480

gcattctca 489

<210> 5446
<211> 363
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

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ccttgccgcc tggcactctc ccctgatacc catgtcctgg ccttggccac tggcaccaat 120

attcatctct tcaacacacg ccgcgnggag aaggaggagt actttgagtg tgtccatggg 180

gagtgtattg ctgacttgac ttttgacatc actggccgct tcctggcctc ctgtggggac 240

cgtgcagtgc ggctcttcca caataccccct ggccaccggg ctgtggtgga ggagatgcag 300

agcctcctga agcgggcatc cagcgaaagt acccgccaga ggctgcagca acagctaacc 360

cag 363

<210> 5447
<211> 528
<212> DNA
<213> Mus musculus

<220>
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<222> (116)..(116)
<223> n is a, c, g, or t

<400> 5447

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gggttcacac agcgatgcag acaggaagga cagagaacga cctcgtgccc actgcncctt 120

ctctgggcac caaagaaggc tatctcacca agcagggagg cctggtaaag acctggaaaa 180

caagatggtt tactttgcaa aggaacgaac tgaaatattt caaagaccag atgtcaccag 240

aaccaattcg gatcctagac ctaacagagt gctcagctgt tcaatttgat tactcacagg 300

aacgagtaaa ctgtttctgc ctagtgtttc cattcaggac attttatctc tgtgcaaaga 360

cgggagttga agccgatgaa tggatcaaaa tactgagatg gaagttgtca aaaataagaa 420

aacagctgga tcaaggagaa gataccgtcc gatctaggtc atttatcttc aaatagactt 480

gtgtgctcag gggcacggtt gactgttcca ggtgtctgat ctgtggca 528

<210> 5448
<211> 304
<212> DNA
<213> Mus musculus

<400> 5448
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gaagagatgg gaccatcact ggacctggtc atgaggagga cacacctagc atcagatgac 120

ctttataaac tgtccatgaa agtgcccaag gctctcaagc caaagaagag aaagaatatc 180

tctcaggata cttttggcac aacatttgga aggattcata tgcaaaagca agacttaagc 240

aaactacaaa cgaggaaaat gaaggggttg aagaagcgac ctgcagagaa tggagtagac 300

gacc 304

<210> 5449
<211> 500
<212> DNA
<213> Mus musculus

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<222> (420)..(427)
<223> n is a, c, g, or t

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<222> (429)..(432)
<223> n is a, c, g, or t

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<222> (434)..(434)

<223> n is a, c, g, or t

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aggggtacaa gaagcaggca gcactgaagc tgggggatat ccatcaccgc ctgaaggaac 120

agcaggagga ctttgccggc aaagcagctc agtaccagaa ggaggtgaag cacctacatc 180

ggatgctgca ggaaaagcag gaggtcctgg atgaggcgct gcagcagaaa agaaatatgg 240

aaggtgagct tgaaatggtc ctggagtcca ctgccaagga gaacaggagg atgcggagcc 300

ttctccaggc caccctggag agaagaagca cacagcacgt cacagctcct ccggacactt 360

gcttgagacg ctcctctcag ggagacctac tgattggcca tgatttcagc tatggtgatn 420

nnnnnnntnn nncnaccacc aaccgccaga gtctgggggа atctatggcg tagatctcct 480

gtctgaggtg tctacttcct 500

<210> 5450
<211> 571
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(367)
<223> n is a, c, g, or t

<220>
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<222> (370)..(370)
<223> n is a, c, g, or t

<220>
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<222> (399)..(400)
<223> n is a, c, g, or t

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<222> (502)..(502)
<223> n is a, c, g, or t

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<222> (545)..(545)
<223> n is a, c, g, or t

<400> 5450
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caaggcctcc catccaaggg ccccacacca ccctggttgg tggatataaa gtatctctca 120

ccactgttgc tggcttatga agacagaatg aaagagaagg acaaactcag caccgccctg 180

gaggaggaaa tgaaaacctt taggcttcga gttcaggaag tcgtgaagga aaacgaagcc 240

ttgcaccaag agttaactaa gagaagcccc gtcaccgtag aggaatggag gcagcttcag 300

actcaagcag agctggttct agatgagaac nagctnctga tagagcagtt ggagattcag 360

caancnnaan ccagggacac ccaccaggcg cacctccann acgtttctaa gctgactaaa 420

caacttgtgc tcctggaagc aaagactcag ggccaggaaa agcagctcgt ggaaagcacg 480

gagcagctgg agagcttgca gngccaaatg cacagagctc aaggcacagc tggatagcaa 540

gatcncagtg gacgtccata catcaattgt c 571

<210> 5451
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<400> 5451
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ttccttacca ggctgctcat ccacatgggt ctgctcaaga gtgaagacaa gatcaaggcc 120

atacccagcc tgcatggccc cctgatggtg ttgaaccacg tggtgaggca ggactatttc 180

cccaaggccc ttgcaccccct gctcttggca tttgtgacaa agcccaatgg cgcgctggaa 240

acctgctcct ttgcccgcca caatctgctg cagacgctat acaacatcta gatttaaagg 300

cagctgctnc ttgtccctcg ccctgcccca gtgactgagg gtcttggatg gactgnagct 360

cggccagcat ctccattgga tattttgacc agaggaaggg agagggtctt gtctcctgtg 420

tcatattggt cctttgatac tgtgttggtt tggtgtgtgt gtgtgggtat gtacttcctg 480

tctggattgc agatcttcat ctccctg 507

<210> 5452
<211> 132
<212> DNA
<213> Mus musculus

<400> 5452
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cttgctgcag gctgtcacaa acacccaggt cattgatggc ttttttgtga agcgaaccat 120

ggatattaag ga 132

<210> 5453
<211> 113
<212> DNA
<213> Mus musculus

<400> 5453
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actttgcttt actgtttatg ctcatgtaat cttgacaggg aaattgtcat ttt 113

<210> 5454
<211> 431
<212> DNA
<213> Mus musculus

<400> 5454
cccgagagtt cattggaagt ttcctggaaa tgtttggtcc agaaggagca ctgaagcaca 60

tgctgaagga gggaaaaggt cggatgctgc aggccatcag tcccaagcag agccccagca 120

gcagccctac tcatgagcgc tccccctccc cctcctttcg gtggcccttc tctggcaaga 180

cttccccatc ttcctcccca gcaagtcttt ctaggtgcag ggctgtgacc tgtgacatca 240

gcgaggatga agaggactaa cttttcatcc ctgttccctc tctcccccac tgcccatcac 300

ctccagaagc tctctgtcga attccatttt gtgatcccaa cactaaacct aaggacatct 360

acaaagaaaa gacaaccggg gcaagaggac ctgggaatgg ggaaccaaaa cagcccatgc 420

cctgagacat t 431

<210> 5455
<211> 519
<212> DNA
<213> Mus musculus

<400> 5455
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cagcttaaag gctcatcaga tgacggcaaa agcaaaatca aatttctgtt tcagaatcca 120

gatacgaaac agattgaagc aaaggagttg gaattttcaa atttatttgc tgttcttcac 180

tgtattcatt catttttgc tgccaaagta gcttgtttgg accctctgtt tttaggtaat 240

caggctgcca ctactgctgc tgtcagctct gcttctacaa gcaaggcaaa gcacctggct 300

tgacatgctg agctctgcct gacagccttc agggtcactc actccctact tccaccctga 360

agagaccatg ctgtcaccaa gtcaaccatg gagtcagact gcaattccag cagcagaaag 420

gtcaggaggc atctgtaaat gaccctggga tggcagagca acctattttt ttctccactg 480

atctctacca ggatacagct gccatcatgt ttggtgaca 519

<210> 5456
<211> 483
<212> DNA
<213> Mus musculus

<400> 5456
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gtggacaggt ttattcagtc ccagagtcaa agcgtcaatg cctactgaac caatgtacac 120

tgtggcacaa tcaacctcca acagctgacc cacactgggc tacctcgggg agcacatgag 180

ctggggcatc tttgaggaca ggaggctaag gctactttct agcaaccctg ctgcactgag 240

gtgcaggggg tggctctacc ctggagacgt agccagatcc ccaagctaca ggagctggcc 300

cttggtcgtg gctgctcgga gcttctgtgg catggtctcc tggctctttc tgcagctcca 360

tgtggcccag ggaatggcag tgggagaagg caggagactg gggggacttg ggactgcagg 420

gactcagcat tagccatcct gatgcagcct ctgcagccag ctctcgggaa tatcctacca 480

tca 483

<210> 5457
<211> 514
<212> DNA
<213> Mus musculus

<400> 5457
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atatgtaagc caatagcaac aacggactta gaaagccaag gtcaagactg cggtgcagcg 120

gcctcacgcc ccctcatcca ggagctcaat gatgagccgg cagaggaagc agcaaaccag 180

ccactgccgc cccaaacctg tgcgagtgac cctgcacttg cccaccctag tgaagatgga 240

gacagcgaca gccagctgcc tgcagccact ctgctaggag atggagcgga ggatgaagca 300

gagtcttcgg tgcacccgaa ggagcccagc acccgggtag gcctagaaga tattgaattt 360

ggcttggact gaaccccaag gcagtctaca ttgttgggct agcggtggcg cagcagatgc 420

agggcaccct ctcccgtgca tcactgtgct cttgagcctg caaggcaggt gcgtgaagct 480

acaccaatgt gccttgtacc caacacgtcg gtat 514

<210> 5458
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<400> 5458
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agcagaaaac agcgcctctg gggaagggaa tctggccaca gctcacacga gtactggccc 120

tgaggaatcc gaaaacgagg atgatggcta tgatgtgcct aagccacccg tgccagctgt 180

actggcccgc cggaccctgt ctgacatctc caatgccagc tcctcctttg gctggttgtc 240

tttggatggt gaccctacaa acttcaatga gggttcccaa gttcctgagc ggccccccaa 300

accattccct cggagaatca actcagaacg aaaagccagt agctatcaac aaggcggagg 360

tgccactgct aaccctgtgg ccacagcacc ctcaccgcag ctctcaagtg agattgaacg 420

cctcatgagt cagggctatt cctaccagga cattcagaaa gctttggtca ttgcccacaa 480

caacattgag atggctaaaa acatcctccg ggaatttgtt tctatttctt ctcctgct 538

<210> 5459
<211> 535
<212> DNA
<213> Mus musculus

<400> 5459

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gcttcacata aagagaaaac gcatggaaac ttatatcaaa gattctttca aagacagcaa 120

cgtgaaatta gaacaacttt ggaaaacgaa caaacaagag agaaagaaga ttaacaacaa 180

attttgtgag cagtatataa ctacatttca gaagtttgat atggatgtcc agaaattcaa 240

tgaagaacaa gaaaaatcag tgaacaatta tcaaaaagaa caacaagcat taaaactgtc 300

caaatgtagt cagagccaga ccctggaagc aattaaagac atgcatgaaa actacatgga 360

gggtctgatg aacttggaga ccaacaacta caatatgctt tttgatgtag atggtgaact 420

gagaaaagaa atgtcagtgt ttaaaaaaga cctcatgaag catactctga agtactcttc 480

tagtttccca tcttcagact aaggaagcat gcatattttg cacttgctgg tacat 535

<210> 5460
<211> 540
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

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tatttgccct ctgggagtct ggagacatga gtgaccagca tcggcaggtt ttgcttgaaa 120

tattttccaa aaattaccga gtacgtcgga acttgatcca gtctcggctg actcaagaat 180

gtggagaaga gctaagcaaa caggaggtgg ataaagtgct aaaggactgt tgtgtaagct 240

gtggtggcat gtggtacctt aaggggacag tacaatcctg acaataggag caaactgcta 300

actcgacgaa tccaagccca gggaaggatg gcagagccac acgtagtntt gacttncctc 360

aanacacagg aagaggatct ncctacctgg tggcctgtgg cgctgcctgg cccagaggac 420

agaggggctc atgctcagcc agtggcaggn tcagcgtaag tgagagcgct cccagcagag 480

accagcgggc cttctttgca gtacaatttg aaattcctga tgtattttgc ttattgggtt 540

<210> 5461
<211> 577
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

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<222> (175)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(187)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
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<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
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<222> (389)..(389)

<223> n is a, c, g, or t

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<222> (394)..(394)
<223> n is a, c, g, or t

<220>
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<222> (424)..(424)
<223> n is a, c, g, or t

<220>
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<222> (444)..(444)
<223> n is a, c, g, or t

<400> 5461
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actaagccca gagtcaggac aggagccgcc caangtcacc tttgttggag gacgaaagcc 120

tcaagcctta cctgcagaaa caggcagact ctgtagcaag ctggatggct ttgannnnnn 180

ngnnnnnggc agagttggag cagagaaggc aaaaggncac ttttggagct gacagaacac 240

cccaacatga gcttggagat ccactacaag gctgagctgg aggaagaacg ccgggcgcgt 300

agacggatgc gcttggctct cctcaaatct aattccactg ggatctgtgc cctgccccnt 360

naccgaaaca acctntccct ggacaacgnc cttntcgatg aggacaaaca gaaccagatg 420

attngtgacc tccagcagca gatnttagag caaaacaagt tacaccagga gtttttggaa 480

aaagccagga aacgcttgca agagtttcaa aaatcatttt aaaagcagac ccacccatga 540

taaatacatc cctgatggct gctttgcctg caccgtg   577

<210> 5462
<211> 432
<212> DNA
<213> Mus musculus

<400> 5462
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gtgtgagaac cttaaagaga aactagagca gatggatgca gagaataaag agcttgagaa 120

gaagctggcc gaccaagagg agtgtctcaa gcacagtgac ctggagctga aagagaaggc 180

tgcagagtac acagccctgt ccaggcaact ggaagccgct ttggaagaag gaagacaaaa 240

ggtttcagaa gaagtagaga aaatgtcatc tagagagagg gctttacaaa ttaaaatatt 300

agatctggaa gctgagctta gaaagaaaaa tgaagaacaa aaccaacttg ttgacaagat 360

gaacactaaa acccagcacc aggctatctg cttgaaggaa atacagcaca gccttgagaa 420

gtcggagact cg 432

<210> 5463
<211> 504
<212> DNA
<213> Mus musculus

<400> 5463
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ggccaggttg atggaaacca aagccttctg accaagcttt ctcttgagga agaaaatcat 120

ctcattcagt taaagtgtga gaaccttaaa gagaaactag agcagatgga tgcagagaat 180

aaagagcttg agaagaagct ggccgaccaa gaggagtgtc tcaagcacag tgacctggag 240

ctgaaagaga aggctgcaga gtacacagcc ctgtccaggc aactggaagc cgctttggaa 300

gaaggaagac aaaaggtttc agaagaagta gagaaaatgt catctagaga gagggcttta 360

caaattaaaa tattagatct ggaagctgag cttagaaaga aaaatgaaga acaaaaccaa 420

cttgttgaca agatgaacac taaaacccag caccaggcta tctgcttgaa ggaaatacag 480

cacagccttg agaagtcgga gact 504

<210> 5464
<211> 469
<212> DNA
<213> Mus musculus

<400> 5464
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tgccctgggc gagccctcca gcagcatccc caccactgtt ggctcacttc ccagttccaa 120

aagcttcctg ggcatgaagg cccgggagct gttccgtaat aagagcgaga gccagtgtga 180

tgaggacagc gtgaccatga gtagcagcag cctttctgag accctgaaga cagaactggg 240

caaggactcg ggcacagaaa acaagacttc cctgagtcta gatgccccac acccatcttc 300

cccaaactca gacaatgtgg ggcagctcca catcatggac tacaatgaga ctcatcctga 360

acacagctga agagggtctg tcagtgttca tttgcgtctt tgtcggcaca gaacagaagg 420

tgtgaatgca cggtctaggc ttctgtttcc agggtctgag cagctgctt 469

<210> 5465
<211> 162
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (116)..(118)
<223> n is a, c, g, or t

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caggtgttaa aggtgatcgg ggacaaattg gcttccctgg aggtcgagga aacccnnnag 120

caccaggaaa gccagggagg tcgggatctc ctggacctaa ag 162

<210> 5466
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

<400> 5466
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gttgatcatt gcatggaagt tcagggcggc cacacagtgc gagttctcca aacaggagtt 120

catggatggc atgacagagt taggatgtga cagcatagaa aaactaaagg cccaaatacc 180

caagatggaa caagaattga aagaaccagg acgatttaag gatttttacc agtttacttt 240

taattttgca aagaatccag gacaaaaagg attagatcta gaaatggcca ttgcttactg 300

gaacttagtg cttaatggna agatttaaat tcttagactt atggaataaa tttttgttgg 360

agcatcataa acgatcaata ccaaaagaca cgtggaatnt tctgttagac ttcagttcaa 420

tgattgcaga tgacatgtcc aattatgatg aagaaggagc atggcctntc cttattgatg 480

actttgtgga atttgcacgc cctcaaattg ctgggacaa 519

<210> 5467

<211> 536
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

<400> 5467
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ctggagtaaa ctggcaagat gtatatgaca aaaagcttgt acctcctttt aagcctcaag 120

taacatctga aacagacacc cgatattttg atgaagaatt tacagcntca gactattaca 180

ataacaccac ctgaaaagta tgacgacgac ggcatggacg gcatggacaa cgagcggcgg 240

ccacacttcc ctcagttctc ctactctgca agcggacggg aataagttcc tttcagtctg 300

tttctacact gtcatcttag actttgcctg agactgattc ctggacatct ctaccagtcc 360

tcgctcttac agttagcagg ggcaccttct gacatccctg accagccaag ggtcttcacc 420

ctcaccacct ttcactcaca tgaaaccata tacacagaca ctccagtttt gtttttgcat 480

gaaattgtat ctcagtctaa ggtctcatgc tgttgctgct actgtcttac tattat 536

<210> 5468
<211> 59
<212> DNA
<213> Mus musculus

<400> 5468
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<210> 5469
<211> 403
<212> DNA
<213> Mus musculus

<400> 5469
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gatatcgtag caaaaaagat gtattttaca aaaatgaaag attttgtaaa tagtctcact 120

tcaaaaaatt ggtttttat tgagttttca gtccttggat ttatagggaa actctttcga 180

tcgaaggacc tcactgactt tgtgcatttt ttcctgatgt tctatgagac aaagcccata 240

gatatacttt tagatgacat tttcctgatc cgggtgtgca tctcagggga gcctgttagg 300

agctgtttgc agcgaaagaa gggatttcga attcagtaca gaccatctct gttccagcat 360

gtgggcactc agtcatcatt tccaggacga gaacagcacc tca 403

<210> 5470
<211> 476
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

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<222> (201)..(201)
<223> n is a, c, g, or t

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<222> (203)..(203)
<223> n is a, c, g, or t

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<222> (205)..(205)
<223> n is a, c, g, or t

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<222> (207)..(208)
<223> n is a, c, g, or t

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<222> (215)..(215)
<223> n is a, c, g, or t

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<222> (217)..(219)
<223> n is a, c, g, or t

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<222> (230)..(230)
<223> n is a, c, g, or t

<220>
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<222> (236)..(237)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (249)..(249)
<223> n is a, c, g, or t

<220>
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<222> (251)..(251)
<223> n is a, c, g, or t

<220>
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<222> (254)..(254)
<223> n is a, c, g, or t

<220>
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<222> (256)..(256)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (281)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

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<222> (355)..(355)
<223> n is a, c, g, or t

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<222> (358)..(358)
<223> n is a, c, g, or t

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<222> (398)..(398)
<223> n is a, c, g, or t

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<222> (410)..(410)
<223> n is a, c, g, or t

<400> 5470
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tgagcaggct gtatggtaac tagtatgtgt gttataattc cttttgaaaa gacatccaaa 120

gaaataggaa gcagagactt ggttcagccc aaggctggtt gcatcgcccg ccttttgtc 180

ttttaacgaa cacgtttnag ntntnanncc accantnnnc tctatgtgan tccatnntca 240

nacactntng ngangnacat atntnnnnta ntcantcatt nttaaacaca tcacagatgg 300

acctatggat agttntncag tgtttatttt gggaacacgt tntctttctg tnttnttntc 360

actgatttcc gactgcattg ctgttgagat aagttttnta tgtaatagtn tcagaggact 420

cctgtaaact catgtggaat gcatgaccga cccctgggca cacttttca atggtt 476

<210> 5471
<211> 486
<212> DNA
<213> Mus musculus

<400> 5471
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aaaaaagtgt cttaaatatc tggattctat gggacaaaaa ggccacagga tctgtgagat 120

tcttcttcag tatttacagg atgaaagcaa gaccaaaaga aatacagatc tcaacctctt 180

agagtggacc cactacagca tgaagccaca tgagattcct cagcagttga atgggagtga 240

ctgtggaatg tttacttgta aatatgcaga ttatatttct agggacaaac ctatcacatt 300

cactcagcac cagatgcctc tcttccggaa gaagatggtg tgggagatcc ttcaccagca 360

gttgctgtga caatgccccg cctggtcttc tagctgctgg tggttctttg atggatgttt 420

ccatatacct catgcattgt gggttaaaaa gtccccgatc atttctcttc tctcacaggt 480

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<210> 5472
<211> 368
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (203)..(203)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (221)..(222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<400> 5472
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aggaggggac tcttggctac tctattgggg gcacgtacct gggaccagcc ttccgtggac 120

tgaaggggna ggaccctcta tccctctgta angtgctgtn nggggccagt gccaggtccg 180

catccgctac atgggcgaaa gangagtngn ngnancnnna nnccttctgn acctgagccg 240

cctgtgtgtg cgccatgctc tgggggacac ccggctgggt caaatatcca ctctgccttt 300

gccccctgcc atgaagcgct atctgctcta caaatgaccc agtagtacag ggtgtgctgg 360

caccctac 368

<210> 5473
<211> 507
<212> DNA
<213> Mus musculus

<400> 5473
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acggcgttgt gagccaggtg ctcaagccct accagggcag ttccggcttc cccaaggcgg 120

ccaagctctt cctcctcaag tggtccttct acagctccat ggtaatccgg gacctgaccc 180

tgcgcagtgc tgccagcttc ggctccttcc acctcatccg gctgctctat gacgagtaca 240

tgtactacct gatcgagcac agagtggccc aggccaaggg cgagacccca atcgcagtca 300

tgggagagtt tgcaaacctg gccacctcac tgaatccctt ggaccctgac aaagatgaag 360

aagaagagga ggaagaggag agtgaggatg agctgccaca agacatctcg ctggcggctg 420

gcagcgagtc tcccgcacta ggccctgaag ctctggagcc accagcgaaa ctggcgcgga 480

ctgacactcg tggcctcttt gtgcagg 507

<210> 5474
<211> 570
<212> DNA
<213> Mus musculus

<400> 5474
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gaaaagattc ggaggcagta tttaagcaca aatctggtaa gtcacataga agagatgctg 180

cagacagcct acaacaagct ccacgcgtgg caatcccggc gcctgatgaa gaagacgtga 240

agcgtttatg gtgctcacag gttttgtggg ttgaaaaaaa acttacctgc agtcactctg 300

gaaacctggc tgaagacaag cagatgctca caccggggga aacatctgca gcacgcccgc 360

cgactcccag agctgatgct gttgtacttg cacatgaaaa ctgaaacaga aggaagggac 420

gggattcacc taactctggg gagggaaacc aaggcagaac caaaatgagc taagttgcaa 480

atatatatgt atgtgtacat gtatatgtat ttaaagactg tttactgcag ttactcagga 540

actgcttttc attcacgtta agctgctttc 570

<210> 5475
<211> 354
<212> DNA
<213> Mus musculus

<400> 5475
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agagagcaga ggattatcaa ggaaatgcaa tttataacta tggatgaatt cagtgacgtt 120

cctgcgtaca tgaaatcccg tttaacatat tgtcaaatta atgatattat taaggaaatt 180

aacaaggcag tagttagcaa atataagatt atgcatcaac caaaagcatc tatgagctct 240

gtgaagagaa atctctacca gagatttatt aatgaagaaa cgaaggacac gaaaggtcat 300

cacttcatcg tggaagctga cataaaggaa ttcacggctt tgaaagttga caag 354

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<211> 532
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttcttgctgt ggcaagcgcc tccatcctca gggggaggag accagagatt gcccagccac 180

tgcnccnang cancctctag gaggtgaact tngacctggg gtctgtgtga gacagacagt 240

aggcactntg aaatnctgaa ggaggtngga agagatgtgc aaatgagggt acagaaacct 300

cctccctgct nagcggacta cacaccaggt ccccaagaga ggcctggctg gtaacacaag 360

cctttcttgc catcttaggc caaagagtgc aggagttctg cctctgcaga aggttggttg 420

tgtctgttct gtggctggga agaaagtgcc ccttcagggt taaaagcgtt ctgtcctcaa 480

nnnannnnnn nnnnnggcct tgttccctgt cctctcagcg agatttacct gg 532

<210> 5477
<211> 510
<212> DNA
<213> Mus musculus

<400> 5477
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ctactgggga tcctgtatgg gaagaaatat gaggcagaca tgtgtgtgag gaggttcccc 120

ctggaagaca tcccagcaga tgagaccagc gccgcccagt ggcttcacaa gctgtaccag 180

gagaaggatg ccctgcaaga gatgtacaag cagaagggtg tattcccagg ggagcagttc 240

aagcctgccc gaaggccgtg gaccctcctg aacttcctgt gctgggccac catcctcctc 300

tcacccctct tcagcttcgt cctgggtgtc tttgccagtg gatccccgct cctcatcctg 360

acgttcttgg ggttcgtggg agcagcttcc ttcggagtcc ggagactgat aggagtgact 420

gagatagaga aaggctccag ctatggcaac caagagctta agaaaaagga ataattaatg 480

ctgtgattga acacccataa cctgatgcgg 510

<210> 5478
<211> 432
<212> DNA
<213> Mus musculus

<400> 5478
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ctgtctccct gagctcccgg ggcctgccag cacactgagg gccaagctgg gcctggcagc 120

tccatgtcca tctgacacta ggactcagag cacaaaccgg ttcccacgag gcacctctcc 180

tggtccatct gcactttact actcgaggct gaaagcccag agttcccctc agccccttc 240

cctgactatg aaggacaact gactccatca aggaccccac atatcagaga tcaacactac 300

ggtgccagtg gtcccaggct ccctggccac tgctgctcac cccttctgcc caccccctga 360

tgtcagggac tagagaaaag gggttccacc ctatcctagt ggaatccagg ctaatggcat 420

ccagcgccat tc 432

<210> 5479
<211> 423
<212> DNA
<213> Mus musculus

<400> 5479
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tggagacccg ttccgatgga aagccgcggc gatgcgctag ctctcgccgg acggagtgct 120

gagcagatgc cggctccgag tcagcaaacg gacacttgga atgggctggc cgaggaacgg 180

tatggcgact gtcccgaggc atcctggccc taattcacat tgtccttttc tcgggaggga 240

tcttgcagga acccagacat caggggcccc ttccaaggga cagtacagag tgctgcgggc 300

cttgggacaa ctcatcttgg gcctcttttc cgaagagggc ttctctcttg gcggccttgg 360

ttctcttggc ttgacaagac ttttttttt ttttctgtga taaatctact tctttgcata 420

tgg 423

<210> 5480
<211> 364
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ttgccttttg tgcctttgga agaggagttc attctgggcg tttctaagta cggcataaaa 180

gtntcgacca cggatcagca tggtgttctg cataggcatg ccctgtatct aatcatccgg 240

atggtgtgtt acgatgatgg cctgggagct gggaaaagct tgctggcact caagaccaca 300

gatgcaagca acgaagagta cagcctgtgg gtttaccagt gtaacagcct ggagcaagcc 360

caag 364

<210> 5481
<211> 479
<212> DNA
<213> Mus musculus

<400> 5481
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cggacgcaca ccggcgagaa gccctacaga tgcggcgact gtgggaaggg cttcagccag 120

cgctcgcagc tcgtggtgca ccagcggacg cacaccggcg agaagcccta caagtgcctc 180

atgtgtggca agagcttcag ccggggctcc attctggtga tgcaccagcg agcgcacttg 240

ggagacaagc cttacaggtg cccggagtgc gggaagggct tcagctggaa ctccgttctc 300

atcatccacc agcgcatcca cacgggagag aagccctaca gatgcccgga gtgcggcaaa 360

ggcttcagca acagctccaa cttcatcaca caccagagga cgcacctgaa agagaagctt 420

tactgaagtg gcagaaaaga gaaggaagtg ctgagctgac tctgcaggga gaactccca 479

<210> 5482
<211> 553
<212> DNA
<213> Mus musculus

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<222> (306)..(306)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (325)..(326)
<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agatgaaaga acaatgcttg ttgccctctg aatatattaa aacgtttatt ttgagaaagg 180

agacgcgttt gatgggaggc aaatacatgt taagactgat gagtgaagag ttagccactg 240

tggaaaccaa cccgggagag ccatggggcc ggccctccct ggagggatgc ccctctggan 300

cagagncagt gaggatnatg tgtgnngnaa gcctcctttg acctctnngg aatcntgata 360

ttcgacntca gttgagcctc tgatacatat actatntctg agaacaaata ncaggtttna 420

tccatctaag gaaaagtctt gctaacttat gaactggact gcatggtttt cttataaacc 480

ttagctaaaa tgagcccgag cacaccctta gtttgacaca cttggtactg actcttttaa 540

ttcagcccaa att 553

<210> 5483
<211> 514
<212> DNA
<213> Mus musculus

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tgcctaagcg caggataccc tatctacact ccccaatacc taaagttaaa aaaaaaaaaa 120

aatagcactg cctgaagcac acccagcttt gcaaggattt tggagctgga cacagtcctc 180

caggcctggc ctaagctcca gcatcctttg ctgggattgg gatcctcgaa ttgtcagact 240

agatcacagg tcaaccatcc atcaaacaga ggacacgcag aatcttagca ttgaatgtct 300

tgtaggagac actgaggaaa aactggaagg ttgggtccat cctgggttaa ataaattaca 360

tcaaattata ttatataata ctatgtatac taatatcttt gaagatagcc ttaattctcc 420

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agcaacagta tctcttgata caatactctc tggg 514

<210> 5484
<211> 527
<212> DNA
<213> Mus musculus

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ggaggccgcc ttggccccac gcagcgtgag cctgaaagac aagggccgat tcatggatgg 120

gagcccctac gcccatatgt ttgagatgcc agctggtgag agctcctttg ccaacaagtc 180

ctcagtgacc actgccggac accatcacaa caatcccggc agcggctaca tgctcagcaa 240

gtcgctctac cctgaccggg tcacgcaaaa ccctttcatc ccacttttgg ggatgatcag 300

tgcttgcttc acggcagcaa atcctacttc ttcaggcagc ccacggtggc aggggcgtcg 360

aaaacaaggc cggacttccg ggcccttgtc accaataagc cagtggtgtc ggcccttcca 420

tggggctgtg ccaggtcgtt tccagaagga catttgtata gggaaccagt ccaacccctg 480

tgtgcctaac aacaaaaacc ccagggcttt caatggctcc agcaatg 527

<210> 5485
<211> 78
<212> DNA
<213> Mus musculus

<400> 5485
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tcagcaacgg agagaaag 78

<210> 5486
<211> 235
<212> DNA
<213> Mus musculus

<400> 5486
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catccaaaaa ttgtaaagaa agagaccatg tagccaccac catcttggga gagaggtcag 120

agaagcagta gccagaaatg aggtcctgga catggcttcc gtggccttgt acagaccatg 180

ccttctgtcg gagtctggcc ctagagcaga gggtacaatg ggagcaacgt gacca 235

<210> 5487
<211> 510
<212> DNA
<213> Mus musculus

<400> 5487
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taaagttaga gcagagattt atgaagcatt tgaaaacatc taccccatct taaagggatt 120

caggaagacc acatagttgt ctgccatgtt ctcctgcctt ccctatccac gtgtttttta 180

aaaccagtca gttttggtac cactgatggt acagttggtg aggacactca gttacaggtg 240

gcagcatgaa gtgacactgt gtgtcctact gcaggatact agaaaggttc cccctctgca 300

ctgaaatcac cctgcagcac tactgtgagt tgcttgctct gtgctgctac ttgggcggca 360

ctgcccattt atttatattt agattttaaa cactgctgtt ggtgattgtt ggtttaaggg 420

acagaacttt aagtgttcaa gccacctgta caattggact tttcatttta atctttccca 480

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<210> 5488
<211> 486
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cactacttta ttnntnttat caggnaggag naaatgttaa agtacgacca ntatttggtn 120

ccatatagtt antatgaact gggaatgcta cantatntaa aaggagacta tgccaatgca 180

atgaaaaacc tcgacaacat aaagaactat aaagantatt ccatggaagc ccggctacag 240

tttagggctc atattgccct tgaacaaata gctaaattag aaaagtgatt cttaacccag 300

tgtgcttctg tgtagtatga gtgaaatatc tacaatcagt caagtaatta gtaggtagaa 360

aagtacttcc tctgtgaaaa gcaaaaatcc aagtggcagc tgctaagaac ctgctaacta 420

agaaagggac acgccattgc tctgctctct cctcctcctc ctcctccttc cccataaaat 480

tcaatg 486

<210> 5489
<211> 453
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (244)..(244)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (313)..(313)
<223> n is a, c, g, or t

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<222> (393)..(393)
<223> n is a, c, g, or t

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tcaaaagtgc caaccatggc tctgactgtt ggtgtgggga cagtgatgga tgctagggag 180

gtgatgatcc tcataacagg tgcgcacaan gccttcgcgc tgtacaaanc catggaagaa 240

ggantcnatc acatgtggnc ggtntccnct ttccagcaac atccacncac tatttttgta 300

tgtgatgaag atnccactct agaattaaga gttaaaactg tgaaatactt taaaggttta 360

atgcatgtgc acaataaact tgtggaccca ctnctacagt atgaaagaag ggaactgaag 420

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<210> 5490
<211> 325
<212> DNA
<213> Mus musculus

<400> 5490
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gctccaagcc ttgctccggc tgctggagcc tgtgatgatt gtccgctgcc ggccacagga 120

cctccacctg gtggagtctg cggtgctaag agccatccct cagtacatga ggctctgcca 180

gaagcatttg gaggtacagg ttgaccaaac tgaacacttg ccttccaatg ctgctggagg 240

ggtggaggtc tacagcagcg atcagaaaat aaaggtttcc aacaccctgg aaagtcggct 300

gaatctcgcg gccatgcaga agatg   325

<210> 5491
<211> 536
<212> DNA
<213> Mus musculus

<400> 5491
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tctcgaacat ggcgtttaaa ctctgataaa ggcagtaaga gttaaggtta ggtacttttt 120

gagcaatttc ctcaaagata aaacattgca acctgcagga aagctcatga agactcagta 180

gtagaaacga gccattaaag gagaatgctt taaatgaaag aaacaagaaa aaagatggtc 240

ttatatagtg gatgggagga ctagccaata gtattagaag gaaaacaaca cgatgaaagg 300

gaccattgtt ttgtgtaaga taaaaacact taaagttctt aggtatgtgc atgtatgctc 360

tatgtaaata tgttacaaat ttatgtctat aaaatctgta tttcagtaag cattgaaaag 420

atatggaaaa gatatttagt gaacaggcag ggaacagaag gcagtgtggt atgggggta 480

tagaacagaa tacagccaag tttgaataaa aggtttttct ttatgtactt ctgtgt 536

<210> 5492
<211> 499
<212> DNA
<213> Mus musculus

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ccacacggct ttggtggtgt ctatatattc cttcatgtac gtagcttttg ggtacttggt 120

gttcggtcag catgaatgga attacagcaa tatgattcac gccacccaaa ccatcttctc 180

ctactgcgtg tcagcctttc agaacacaga attttccggc aacaaggttc tcggggtcct 240

gtttctgtcg tctttcatgt tggtgatgat ctgtatcttc atcaacttgt ttcaggcagt 300

gattctgtct gcctatgatg agatgaagca gcctgtgtac gaggagccgt ctgatgaggc 360

cgaggctgta acctatctgt gcaacaggct aaaatctggg tttgactttc tcaccacccg 420

atctagagac aaagaccaat ccaacttctt cgtcgacatg ctctatgggc agccggagaa 480

gaatactcgc cggttcctg 499

<210> 5493
<211> 54
<212> DNA
<213> Mus musculus

<400> 5493
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<210> 5494
<211> 138
<212> DNA
<213> Mus musculus

<400> 5494
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acaggaggtc actgcttctt tggccaatat tctgatatct ccctgcactg tttccaaaaa 120

gcacatggta gccctaag 138

<210> 5495
<211> 338
<212> DNA
<213> Mus musculus

<400> 5495
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gtggtggatt cttggcagtc agcagtctgc ggagcttttg caggtggctt tgcagctgca 120

gtgactacac ctctggacgt ggctaagaca aggatcatgc tggcaaaggc gggttccagc 180

actgctgtgg ggaacgtgct ctctgccatg cacggggtgt ggcgctcaca gggactagcc 240

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ctgggcgcct atgaccaggc gcgaagcttg ctgttaga 338

<210> 5496
<211> 455
<212> DNA
<213> Mus musculus

<400> 5496
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ggaccctgct ggtgtcccgc tggttcatct gcctgtttgt ggacatccta cctgtggaga 180

cggtgctacg gacctgggac tgtctgttca atgagggctc caaaatcata ttccgggttg 240

ctctgacctt aattaagcaa caccaggaat ttatattgga agccagcagt attccagaca 300

tctgtgacaa gtttaagcag atcaccaaag gggactttgt gacagggtgt cacgcattca 360

tgcagaaaat cttttcagaa ccaggaagcc tgtccatgac gaccatcacc aggcttcgga 420

agagctgccg agcagcgctg caggcacaga gctga 455

<210> 5497
<211> 594
<212> DNA
<213> Mus musculus

<400> 5497
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agacaacacc ctattttata ggcaatgcag acaagctctt acatatcaag cttgaggatt 180

ctccagacac cttgcttttt gactatttcc gccacatctg tcactttata gaacttcacc 240

tcaggctcca ctctgtcgtt ctggtctttt ccacccgggg catcagccgc agcgttgctg 300

ctgtggtggc cttactcatg cattataatg aggagacgct gaagaggtcc tgggcccaag 360

tgaagaaatg caaaaccaac atgcgtccga atcgggcctt cgtggctcag ctgctggagt 420

gggagaaagt cctccatggg gaatatctca cagacatctc cgagcctatc tactgacctt 480

tgcctggaac gcagctatgg tcactgagga gtcttggttg ggactttggg ggactgggga 540

gctgggtttg cacttggagt ggtcctggag aagacctttg ctgcctggag gttc 594

<210> 5498
<211> 322
<212> DNA
<213> Mus musculus

<400> 5498
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cccaacctca cccagttatt cccccacctc accaagctac tccccctcca gcccacgata 120

tacaccacag tctccaacct acacaccaag ctcaccaagc tacagtccca gctcaccaag 180

ctacagcccc acttcaccca agtacacccc aactagtcct tcctacagtc ccagctcacc 240

agagtacacc ccagcttctc ccaaatactc acctacaagc cctaaatatt cacccacttc 300

tcccaagtat tctcctacca gc 322

<210> 5499
<211> 553
<212> DNA
<213> Mus musculus

<400> 5499
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tggggtaccc ttcatactgc gctgtggcaa agccctgaat gaacgcaaag ctgaagtgag 120

actgcaattc cgagatatac caggcgacat cttccaccag aagtgcaagc gtaatgagct 180

ggtcatccgt atgcagccca atgaggcagt atacaccacg atgatgacca agaagcctgg 240

catgttcttt aaccctgagg agtcggagct ggacctaact tatggcaaca aatacaagaa 300

tgtgaagctc cctggtgcct atgaacgcct catcctggat gtcttctgtg ggtgccagat 360

gcactttgtc cgtactgatg aactcaggga aggctggcgt atcttcacac cactgctgca 420

caagattgaa cgagaaaagc cccagccctt cccctatgta tatggcagcc gtggccccac 480

agaggcagat gagctgatga ggagagtggg cttccagtac aagggtacct acaagggtac 540

tcacaagcac tga 553

<210> 5500
<211> 145
<212> DNA
<213> Mus musculus

<400> 5500
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agagaacacg tgcctccaga actccctagg gtgcttaaag atgtcaagaa cttctacttt 120

gtcatgtgct gttcaagtat aactt 145

<210> 5501
<211> 391
<212> DNA
<213> Mus musculus

<400> 5501
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gagctgggga cagtgatgag gtccctgggg cagaacccca cagaagcaga actgcaggac 120

atgatcaatg aagtagatgc ggatggtaat ggcacaattg atttccctga atttctgaca 180

atgatggcaa gaaaaatgaa agacacagac agtgaagaag agattagaga agcattccgt 240

gtgtttgata aggatggcaa tggctatatt agtgcagcag agcttcgcca tgtgatgaca 300

aaccttggcg agaagttaac agatgaagag gttgatgaga tgatcaggga agcagacatt 360

gacggggacg gtcaggtaaa ctacgaagag t 391

<210> 5502
<211> 222
<212> DNA
<213> Mus musculus

<400> 5502
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cggagctgca gccaggcagg ccacgcgggc tctagctcca gccccagccc tggcccgccc 120

atgaagcacc ccaagccatc cgtgcactct cgacactcac ctgcaagacc cagccaccgc 180

gggagctgcc ccaagaacag gaagaccttt gaagggaaag tg 222

<210> 5503
<211> 219
<212> DNA
<213> Mus musculus

<400> 5503
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tctgctggag accagcccgg caagcatctt cctgagcgcc aggtgtctcc agtgggcaaa 120

agaacctgtg acaagctgct tccacccttt agttcagggc agagcactga catctccaat 180

gccttcacgt gcaagtagtt tcaattctaa ccactgctc 219

<210> 5504
<211> 380
<212> DNA
<213> Mus musculus

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<222> (311)..(311)
<223> n is a, c, g, or t

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ctgaattctg tgcctcagat tagaatgata acagcttgac tactgactga tatattagta 120

tgttgtattt gccttccagt tatataatat ataaactcat ttcatttaaa tagaatgacc 180

ttttgtttct aagtgaattc aaattagaac tttagtctgg taataataaa ctttgttagt 240

gtagtattat tattgcttac atttgaaaca gcattgcatt cttgacttag agttaagatc 300

ttaccaaaag nctagagtga aagcaacagg gagtaaacta ccgtaacccg tgctggcttg 360

taacttgttt tgtgggcttt 380

<210> 5505
<211> 541
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (464)..(464)
<223> n is a, c, g, or t

<220>
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<222> (514)..(514)

<223> n is a, c, g, or t

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tcctaaaaac ccagagcact tcgttgtgtg taaccgatcg aacacagtgg tcatcatgaa 120

catgcagggc cagatcgtca gaagcttcag ttctggtaaa agagagggtg gtgactttgt 180

ttgctgtgcc ttgtcccctc gtggcgagtg gatctactgt gttggggagg actttgtgct 240

ctactgcttc agcacagtca ctggcaagct ggagagaacg ctgacggttc atgagaagga 300

tgtgattgga atcgcacacc acccgcacca gaatttgatt gccacctaca gtgaagatgg 360

cctcctgaag ctctggaaac cctaagtcag cctttacggt gcagcccagg agcatgtact 420

taagtgcagg gcatggccat gtattccgac tacttttcca tntntgcgtc ctagcataaa 480

acttgtaaaa aataataagt caggtgtgat gtanttgagg agcttcggat tgattctttt 540

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<210> 5506
<211> 525
<212> DNA
<213> Mus musculus

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<222> (195)..(195)
<223> n is a, c, g, or t

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<222> (222)..(222)
<223> n is a, c, g, or t

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agagccaggg ccgccaggaa gctctcgagt ggctcatcag agagacagag cctgtctcca 120

ggcagcattg atgtcgcctg gcgttggttt ttcgtaggat gctctggggg aaggaggaca 180

caaggcagac ccctngactt ctctctcctc acctcctcct cntccccgac tcctcttttt 240

acttttagac actaagaaga gctgaaactc ttcttaccta ctttgatatt ttcttgcaaa 300

cagtctttta tgaattttta attgttgaga atgagccagg aataaaactg ctacaccaga 360

aggaggggcc ccacgaagcc gaagacttga caaggggggag acaccccaag ccctctggcc 420

agggatggcc aacactgact gctccgcgat ggtctcgttc caggtgctag gacctcagtc 480

acggtcacct tgatgttcat gagaccctcc tatgatcagt gaata 525

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (79)..(79)
<223> n is a, c, g, or t

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<222> (82)..(82)
<223> n is a, c, g, or t

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<222> (125)..(125)
<223> n is a, c, g, or t

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<222> (178)..(178)
<223> n is a, c, g, or t

<220>
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<222> (253)..(253)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tattcagctg ctcatggcng ancccaatcc tgatgaccca ctaatggctg acatttcttc 120

agaantttaa atataacaag atagcttttc tcaagaaagc caagcagtgg acagaggntc 180

atgcaagaca gaaacaaaag gctgatgaag aggagctagg cacctcatca gaagttggtg 240

actctgagga aanccattcc acacagaaaa ggaaggccag gccattagga ggaatggaaa 300

aaaagtttc cccntgacgt tcagagantc tatcctgntc cctcttagtt acggcagtct 360

gtgtcaaggt ggtntctttt gcttgcttct tttaaatgtt ttcctttgta tttgatgaca 420

aatgtttgta tccttacaaa agaccttgta tgtttacgaa ttctnccatg cagcgattct 480

ttaaggatag 490

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (265)..(265)
<223> n is a, c, g, or t

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<222> (267)..(268)
<223> n is a, c, g, or t

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<222> (275)..(276)
<223> n is a, c, g, or t

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<222> (284)..(284)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (392)..(392)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttctacatta gcaactcagc tagcacccat gggtgtgcat cctcacagtg gcagcaggtc 120

ccacggtgtt tggagatggc ttggggatcc gtgaggatgg catgaccagc tagccccgag 180

actgccacct ctcctggctc atgatggagg accttcccgg gtcttctgca gagtgagcaa 240

gcaaggaccg tgganttgag ncccngnnct ctganntctg ggantcagta tacacacccc 300

aannccagna gggnactntc ctntngacat ctgtacccnt gggagttaca gaggaaggnt 360

catgacctca gtgnccatca gctgagancn tntcggcgaa tttgctttgt aaggacgtga 420

tctttcttgn tnctgaggga aaaccagcgc atcagtgggt tct 463

<210> 5509
<211> 547
<212> DNA
<213> Mus musculus

<220>
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<222> (190)..(190)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

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<222> (230)..(230)
<223> n is a, c, g, or t

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<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

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acagaggacc gcctggggct aaagaaaatg gacaaagcag gaaagctagt gtttctggct 120

aaggaagggg accatcttca aatatctaaa gaatggttta ctgcccacat catacctttt 180

cttaagtgan gcccntggca ctttatagca gagttcatga aaccacagcn tcttccaagc 240

catgtacata gttcatgctc agccntgaac tctaatctag cctgcaacca gccctttct 300

ctcctcttat catctaacat accctacttg gaaagatcta agatctcaat cttatccttt 360

nccgcctgct atcaccatat ggtgttggat tcaagtttaa ttagctaata accatggaga 420

ttgttttaca actttgtgat atggtcaagc tcccgtttaa gaaatgggag tctgttgttg 480

cagatcagta attgtgccta aaagagacag aagtgaaaaa gagacaagct ctgagggcaa 540

aacccat 547

<210> 5510
<211> 416
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

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tacagggaaa aatggagaca aacaagatct ttgatgtgtt tcatgtttgt gggcaggtga 120

acaatatttt agagtatttt aaaaaatcat ttcttacaga gaaattaatt tgcagttgaa 180

tgaaagcatt tgctcgtggc tgtgccgagt gttctgctgc tagaagttat gtagtcacac 240

gctagctgct agtcaagtga tctgtctaca cttgactgtc ttgtggacca cgaggacatt 300

tgtttcacct agtttttaag attatggaga tagttntcag ctccatctta tctcagtccc 360

taggcttatt ggaacagtaa atttgatgaa cagtagaaca cacaagctgc ctcaga 416

<210> 5511
<211> 515
<212> DNA
<213> Mus musculus

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<222> (417)..(417)
<223> n is a, c, g, or t

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<222> (472)..(472)
<223> n is a, c, g, or t

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<222> (482)..(482)
<223> n is a, c, g, or t

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gccctggaga gcgacatggc gcctgtcctc atcatggcca ccaaccgagg gatcacccgg 120

atccgaggca ccagctacca gagtccccac ggcatcccca tcgacctgct ggaccgcttg 180

ctcattgtat caacgtcacc ctacagtgag aaggatacca agcagattct gcgcatccgc 240

tgtgaggagg aagatgtgga gatgagtgag gacgcctaca cagtgctgac ccgcattggg 300

ctcgagacct ccctgcgcta tgccatccag ctcatcacag cggccagcct ggtgtgccgg 360

aaacgaaagg gcaccgaggt gcaggtcgat gacattaagc gtgtatactc cctcttncct 420

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gntcaaaggc gaaacaatgg acacctcctg agctg 515

<210> 5512
<211> 383
<212> DNA
<213> Mus musculus

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<222> (281)..(281)
<223> n is a, c, g, or t

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gtccatgatg acgctacacc aagccagacc accgtgcttg tggtcatctg tggaacagtg 120

aagtttgaag gcaacaaaca gcgggacttc aaccagaact tcatcttgac tgctcaggcg 180

tcacccagta acacggtgtg gaagatagca agtgactgct tccggttcca ggactgggcc 240

agctagtggg ggtgaccgag gcatcttagc ttaagcccag ntctgcagag aaatgccagt 300

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ctggatgttg gactcccaga atc 383

<210> 5513
<211> 447
<212> DNA
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<222> (81)..(81)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (327)..(327)
<223> n is a, c, g, or t

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<222> (347)..(347)
<223> n is a, c, g, or t

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atgctcaaag agaagaggga nagaggagga ggacaatgag gacgatggaa gcgaccttgg 120

tgaagccctg gcttaggcca gcaagaagag ctctcatcct gtcctgtgag cacatgcaag 180

gacagactaa cagctgcgaa gtgaagggca ctgcaacttt gtctcagact tgcaacttgt 240

tgcattccct cttgcagtgg aaaggactgg acagcagcag cctcctntac aggcccttca 300

gccatntcct ctctcccact gggagantcc tgggcagatg gcactgntct ggctttgggt 360

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tggcagctgt gtagtcgcgt ggacaca 447

<210> 5514
<211> 560
<212> DNA
<213> Mus musculus

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<222> (27)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

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<222> (442)..(442)
<223> n is a, c, g, or t

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cgcctgcncg acgtgggaca gccgcgccat ggcggacgaa gaacttgagg cgctgaggaa 120

gcagaggctg gccgagttgc aggccaagca tggagatcct ggtgatgcag cccaacagga 180

agcaaagcaa agggaagcag aaatgagaaa cagtatctta gcccaagttc tggatcagtc 240

agcccgggcc agattaagta acttagcact tgtaaagcct gaaaaaacta aagcagtgga 300

gaactacctt atacagatgg cgcggtatgg acagctaagt gggaaggtgt cagaacaagg 360

tttgatagaa atacttgaga aagtcagcca acagacagaa aagaaaacaa cagtgaaatt 420

caacagaaga aaagtaatgg antccgatga agacgacgcc gattactaag aggacgcact 480

tagacagact tccggagcag tgtctaggac agtcaccacc ttgtaaatgt ttactttgtt 540

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<210> 5515
<211> 511
<212> DNA
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<222> (379)..(379)
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ggggtggcac agcagcttgg gtccccccca acctccagga gctagtggag gggtgtgtaa 120

cagggtcata cccctccctc ttgtccaccc tacccccagg gtgagggagc ctccccttcc 180

ctttcagact ggatgtgcct ttatcctcta atgccccgac ctctgaacac ccccattctc 240

cgcctgttgg tgggggtgct ccttgaccca cccagatttg acagttcagg ggggctcccc 300

tgctatccct cctcccatcc tgtacccccc atttctgggg cctcatcact gtggaagacg 360

gggatagtga gggtattcnt gggtgggagg catggggaag gttttggaat agaaccaggg 420

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<210> 5516
<211> 427
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 5516
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tgttgaaact tgggaaggaa gccggtctga agccatttga acaggtcaaa ggcattgctg 120

tgcacccgga attattttct attgacaacg gccttctgac tccaacactg aaggcgaaga 180

ggccagagct acggaactat ttcaggtcgc agatagatga actgtacgcc accatcaaga 240

tctaacgtga ggaaggatac ttagaagaaa tggcgcatct ccacaatcct cctcgtacca 300

atggccttcg agttggtaac tttgcctgca ngngagtntn gggnnaangg aaatnnccct 360

nccnccggac ttntccacgg gntcttacca tagggatant cgagggcacg gaacactgcc 420

ttactta 427

<210> 5517
<211> 508
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (338)..(338)
<223> n is a, c, g, or t

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<222> (340)..(341)
<223> n is a, c, g, or t

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<222> (346)..(346)
<223> n is a, c, g, or t

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<222> (358)..(358)
<223> n is a, c, g, or t

<220>
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<222> (450)..(450)
<223> n is a, c, g, or t

<400> 5517
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tgggttgaag agtgtggttc tgagagccag tttatgattt taatgtttta ttaactcggt 120

gatttttgtc agaccgaatg gcatttgaaa cagtttatag tagttttgat aggatttcag 180

ggaagccaag tttatgttag aaatcatttg ggggggtgtg tcttggaatt aagaagatan 240

agaatgcagc atccaggtaa ttaactccac acattgccac agggagattt ggaactggtg 300

tttgaagttt caaagccttg tcaaatgcta caaaggtnan ngggtncgtg tagttggncc 360

acttctgtgc gtaaagatat gaaaggataa aggttaagtt tactgcgaag cttgaggtgg 420

aagtaaacgc tacttagatg gtgtggtgtn tcctttgaaa tgttaactgg agcaccgctc 480

ctggaagatg gcagcgatct tgaacctt 508

<210> 5518
<211> 327
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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catttttaag ccccatatta tgagatgagg actgtgtcaa catgaaaaaa ctttaacata 120

tgacctaaac tattttctta tggcagaaaa tattaaatgt atacttactc ctagaaattt 180

atttatttaa acttgctgta tatagaatag ctacttatac attaaatatt ttaagttanc 240

ctttgaaaag gaaatttggn cctaaaaaag ttaatttcat tagaaaanaa atggtaccag 300

gcatgaacct tgtctctctt tgaagaa 327

<210> 5519
<211> 303
<212> DNA
<213> Mus musculus

<220>
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<222> (227)..(228)
<223> n is a, c, g, or t

<400> 5519
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ctgatcatcc acgcagatga gctggcccag atgtggaagg tgctgaatct ccccacggac 120

ctgtttaaca gtgtgatgaa cgtgggtcgc ttcacagagg agatcgagtg gctgaagttt 180

ttagcccttg cttgtagctc tcttggagtt accattgcca aaactcnnaa gatagtgtgt 240

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ttt 303

<210> 5520
<211> 533
<212> DNA
<213> Mus musculus

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<222> (314)..(314)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>
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<222> (432)..(432)
<223> n is a, c, g, or t

<220>
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<222> (479)..(479)
<223> n is a, c, g, or t

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tgtcaggtcc tacaacagag ggtagacatc ctcaaggatt tccatctcca cgaagcggga 120

ctggggcacg agaagccttt gcagatgtcc tgtgagcagg acaagaaatg tccgaagtta 180

gcggaagcag acaagacgga cgctttcaag cataccacga gggcaacgga aggcacgatt 240

aggaaaccga agatcctcag gagcccggat gtttgcttta ctaagaaggc tcggaataac 300

cgcttcaacg cccntnttgc aaagaaatnt ntggtgggga aanaggagaa ccnttagcag 360

ctttcggtag aantcnccag aagcagatac aacttgagac aaaactntca tcaacccagg 420

gtagagagct tntgattcca ccaaggagga ggcctaggat aagaggaacc tatattatnt 480

cagtagttag agaagtttgg gccttaacaa ccattgtatg accgttaacc aag 533

<210> 5521
<211> 473
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

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<222> (416)..(416)
<223> n is a, c, g, or t

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atggactgaa gtcatgtgtc attgtcatcc gtgtcctaag ggacttgtgt acccgagtgc 120

ccacctgggg tcccctcaga ggatggcctc tggagctgct gtgtgagaag tccatcggca 180

ctgccaatag gccaatgggt gctggtgaag ccctgcggag agtgctggag tgcctggcat 240

ccggcatcgt aatgccagat ggttctggca tttatgaccc ttgtgaaaaa gaagccactg 300

atgctattgg gcatctagac agacagcaac gggaagatat cacacagagt gcgcagcatg 360

ctntgcggct tgctgccttt ggtcaactcc ataaagtact gggaatggac cccctncctt 420

ccaaaatgcc caagaaacca aagaacgaga acccggtgga ctacactgtt caa 473

<210> 5522
<211> 379
<212> DNA
<213> Mus musculus

<400> 5522
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tgttgtaaag catgagcaga ggctagaagt accatccggg ttgctgagag atgctgagaa 120

gcaggactct ctgctttgac tccttcccca tcatggttaa agtacaaggc actgtgaatg 180

aaggtagttg tcagggttag ctgccagggg tatgggtgtt attttatttt taggggaaa 240

gtagttttat tttaatttta tggccccctt ccccctcccc cctcttaaag gatctaattg 300

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tagacgctgt agatggaca 379

<210> 5523
<211> 529
<212> DNA
<213> Mus musculus

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<222> (47)..(47)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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accgccccca tcagctcccc gggagccnga ggaggggctg ccctgccctg gctgctgcct 120

tggcccnttc agctttggct tnctatccat gtgcccccgc cctaccccag ctgttgcccg 180

ctaccgcaac ttgaactgtg aggcgggcag tcttctctgc caccgagggc atcatgccaa 240

gccacccaca cccagcctgc agctgcctgg ggcacgctct tagcagtgag gcctgtgagc 300

tcaggcttcc aaccttggcc ttcgggatac cctgtaagga cagtgcactt gctggacaat 360

gccagcccca gatgggctga ctagctcttc tccccgtata ggggagcctc agcatgntct 420

caatggacag agcacctcct anccgacccc tgggttcnct ntcccattgg gatcaccgaa 480

ctagacacag cattgctgac acacaggact aacacgtgca aagtattta 529

<210> 5524
<211> 494
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

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<222> (367)..(367)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (419)..(419)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cgcacagaca gcactggctc tgctgtgtcc acagatgact cagagcaaga ggtggatata 120

gagggcatgg agtttggccc tggggagctg gacagtgctg gcagcagcag tgatgccgat 180

gaccactaca gcctacagag cagtggctgc agcgacagca gctatgggca cccttgcagg 240

cggcctggct gccctggcct ttcgtaggct ccatgtcctt tgcttcttgg cccacctgcc 300

tgctcaccta gccaagcntc tcagccttcc aatcctccct tgactgaagc cagcntcgtc 360

atgggcntac tgntngtgcc attntcgaag ntacagctgc tntntgntnt gcctgcctnt 420

gcctgcctac ccttcggtca ggactcaagt tgcctgcccc ttntccgcag ggctagaccc 480

catgcaggga agca 494

<210> 5525
<211> 506
<212> DNA
<213> Mus musculus

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<222> (412)..(412)
<223> n is a, c, g, or t

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gcaatgtgag agcaggttca tcggggtagt ttgctaacag tcaggaaagc taaactggtc 120

agtattaatg tctagcccta ccaaaaaata gccagtagcg tctgaagatg aaaggaggga 180

agcatttcca ggaaacagcc tggtgtagcc actgcgggcg tggagctgtt tcctctccgc 240

tgctttacac agagcctgaa aaaggacatt ctcagctaaa gcatgtgtgc ctgtttcatc 300

taatcaagca gagctaagca gtcctatcaa atacaattac attggtaatt actaaactat 360

caggttatta atttataatt tacaagaaga gaggaagtta actggcagaa gnaagtgttg 420

aatgagaccc agatttaaag ctggcttaac tcaaaccact attaatggtt ttctgtatag 480

attattcatt atgtcaagcc aaggtc 506

<210> 5526
<211> 369
<212> DNA
<213> Mus musculus

<220>
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<222> (238)..(238)
<223> n is a, c, g, or t

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atcttcagtc cctcagactc tctaaaagca gagggtgaca tcgaacacat gactgaaggc 120

tttaagtctc atctcatccg tctgattgga aatctgtgct acaagaataa agaaaaccaa 180

gacaaagtga atgagctgga tggcattcct ctgatcctgg acagcagcaa catcgatnga 240

caacaacccc tttatgatgc agtgggtggt gtatgctgtg cgaaatctca ctgaagacaa 300

cagccaaaac caagatgtca ttgccaagat ggaggagcag ggcttggcag acgcatccct 360

actgaagaa 369

<210> 5527
<211> 449
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcagcattac aacacctccc tgctagccgc agctgcagcg nngcggtctc agatgaccag 120

gacctcctgc actcctcccg gtttttcccg tatacctcct cgcagatgtt tctcgaccag 180

ctaagtgcag gagggagcac atctctgcca gccaccaacg gaagcagtag cggcagcaac 240

agcagccttg tgtcttccaa cagtctgaga gagagccatg gccatggtgt ggccagcagg 300

agcagcgcag acacagcgtc catctttggc atcataccag acattatctc attgganctg 360

acgctctcac cctgctgctc ccaccccatc ccagattaaa tgacttggca gaagagaact 420

ctatgctctg ttttacctta tcctgttta 449

<210> 5528
<211> 201
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<400> 5528
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tggtgtgcca gagccccggg gacccngngc gaccagctcc caagtaccct caaacagggg 120

gtagaacgag tcaaagctgt ggccaagcgg attggcgagg ttcaggtggc ctgtggcctg 180

aaccagacag tggaggagtt t 201

<210> 5529
<211> 323
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (287)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

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atgtgtgcgg ctttgaacct gatcaagtca aagtgcgcgt gaaagatggg aaggtctgcg 120

tgtcggccga gagggaaaac aggtacgact gcctcggatc caaaaagtac agttacatga 180

acatctgcaa agagttcagt ctgccgccat gtgtggatga gaaggacgtg acgtactcct 240

acgggctcgg cagctgtgtc aagatcgagt ctccatgtta cccttgnnan ntntccntgt 300

aatccttgca acccatgtag ccc 323

<210> 5530
<211> 552
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaaaaattaa agaagaaaac tttgttagtc ctaaagaaga ggtgaaactt gaagctcaca 120

tcagagtgcc gtcctttgct gctggcagag ttattgggaa aggaggcaaa acggtgaatg 180

agctccagag tttatcaagt gctgaagttg tcgtcccccg tgaccagaca cctgatgaga 240

atgatcaagt agttgtcaaa ataactggcc acttctatgc ttgccaggtt gcccagagga 300

aaattcagga aattctgact caggtaaagc agcaccagca gcagaaagct ctgcagagtg 360

gaccacctca gtcaagncgn aannnnnggn nnannngnnn nnnannnnnn nnnnnnnnag 420

gcagatncca aaccaaagac agatttgctt aaccaacaga cgggtgctga cccatccaga 480

accacgtgca cgagttttta cctagctggt tgtttccgag gaccaggcac tcgatcctgt 540

ctctgtgaga at 552

<210> 5531
<211> 78
<212> DNA
<213> Mus musculus

<400> 5531
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aaaaccactt tgcctcat 78

<210> 5532
<211> 242
<212> DNA
<213> Mus musculus

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agcgagtcaa ggtaggggat ccagcaaacg gttttgggaa ttcagactgt ggaaacatcg 120

gacttccctt tgcccttcct caacttagtg gcaaagccct gtatggatac ttgtaggtgc 180

gggtgatcct caaggccatg ctgctttctg agttgttctt gttgctttgt tcataatgtg 240

gt 242

<210> 5533
<211> 445
<212> DNA
<213> Mus musculus

<220>
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<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caggatggtg ttgctgacat ggtgacagca gatgactcgg gtgtcctgtg tgtctggagg 120

tcgggacctg agttcacctt actgacccga ataccaggat tcggggtccc atgcccctct 180

gtgcagctgt ggcaggggat cgtggcagca gggtatggaa atgggcaagt gcgcctgtat 240

gatgccagca caggggccct ccacgtccag atcagtgccc acgcccggac catctctgcc 300

ctggacctnn ctnccagagg tcggcaagct actgtctgca gctgaggaca cctttgtgca 360

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<211> 531
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (486)..(486)
<223> n is a, c, g, or t

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<222> (488)..(488)
<223> n is a, c, g, or t

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gagacaccaa tggaaaactg gaatttgtta agtggtgaac agcaagttag gaatgcttca 120

gaattggacc ttatggaagt acagaatcca gtaactcatg atgatgggaa tgcaaatcct 180

gaagaagtag ttggagatac acgaaagaag atcaacaaca aattgtgtga gcagaagttt 240

gatatggata tacagaaatt caatnaagnn acaagaaaaa tcagtgaaca attatcaaaa 300

agaacaacaa ncattaaaac tntccgaatg tantcagant cngaccntgg aagcaattga 360

agacatgcat gagaantcca tggagggttt gatgaacatg gagaccaaca actacgatat 420

gctttttgat gtagatggtg aagagacatt atgaagcata ntntgaagta ntnttntcct 480

ttcccntntt cagactaatg aagcatacat atttctcact tgctggtaca t 531

<210> 5535
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (486)..(486)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 5535
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gagacaccaa tggaaaactg gaatttgtta agtggtgaac agcaagttag gaatgcttca 120

gaattggacc ttatggaagt acagaatcca gtaactcatg atgatgggaa tgcaaatcct 180

gaagaagtag ttggagatac acgaaagaag atcaacaaca aattgtgtga gcagaagttt 240

gatatggata tacagaaatt caatnaagnn acaagaaaaa tcagtgaaca attatcaaaa 300

agaacaacaa ncattaaaac tntccgaatg tantcagant cngaccntgg aagcaattga 360

agacatgcat gagaantcca tggagggttt gatgaacatg gagaccaaca actacgatat 420

gctttttgat gtagatggtg aagagacatt atgaagcata ntntgaagta ntnttntcct 480

ttcccntntt cagactaatg aagcatacat atttctcact tgctggtaca t 531

<210> 5536
<211> 310
<212> DNA
<213> Mus musculus

<400> 5536
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tgtatgtatc cgatttcttc aaggacacac attcttacaa agagagaaag gaagaggatc 120

cacacacgac tctccatgaa accgccagtt cacggaacta ctcaaccaat cacgagccct 180

gaagggtaca ggggcgctgg cccgcttcaa aggcaacagc tggaggctaa aggcaggggg 240

atgcgtatta cttcctgctg tacagaccat tctataaagg actgctgcta tctatacctc 300

ctggatgccc 310

<210> 5537
<211> 344
<212> DNA
<213> Mus musculus

<400> 5537
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cctttctcga gtgtctgact acaaacacca ctggagtgac gtcacagttg gactcattca 120

gggagctgct atggctatac tggttgcttt gtatgtatcc gatttcttca aggacacaca 180

ttcttacaaa gagagaaagg aagaggatcc acacacgact ctccatgaaa ccgccagttc 240

acggaactac tcaaccaatc acgagccctg aagggtacag gggcgctggc ccgcttcaaa 300

ggcaacagct ggaggctaaa ggcaggggga tgcgtattac ttcc 344

<210> 5538
<211> 527
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (287)..(287)
<223> n is a, c, g, or t

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<222> (291)..(292)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (317)..(317)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (340)..(340)
<223> n is a, c, g, or t

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<222> (346)..(346)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (419)..(419)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (482)..(482)
<223> n is a, c, g, or t

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<222> (484)..(484)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (491)..(491)
<223> n is a, c, g, or t

<400> 5538
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gtgggcaagg atggtgaact gagaggctac cagagaacgc ccaccaccgg cctcctgatg 120

attattttag ggctcatctt aatgaatggc cacagcatcc cagaaaacga tgtctggtgt 180

tttctacgtc gtttgggggt gtatcccacc aagaagcatt cagttttcgg ctatccgaag 240

aaactcatta ctgaagactt cgtgaaacag cgttacctgg nnnnncntcg nntacccnan 300

acagatcctg tggactntga gntccagtgg gntccncgan caaatntgga aaccagcaag 360

atgaaantcc ttaagtttgt anccaaaatc cataatcaag atcccaagga ntggcccant 420

cagtactgtg aagctttggc ggatgagcag cgtaggntca gaccagagcc aaatgntcca 480

gntntgacnt nttgaagtaa acgttcagga ttcacgagca taagcta 527

<210> 5539
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

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<222> (400)..(400)
<223> n is a, c, g, or t

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<222> (480)..(480)
<223> n is a, c, g, or t

<400> 5539
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gggcagtcca ccagggagac acctcgtggg gctccagtgg ttccgggtct cagtccagcc 120

agggccgcga cagccactcc tccagcctgt cggaacagtc ctccgactgg cccgcggacg 180

acatgtttga gcatcctgcc tcctgtgagc ttgtgaagtc aaagactaaa tcagaagagt 240

ccttctctga cctgaccggc tccctgctct ccctgcagtt ggatcttggg ccttcacttt 300

tggatgaagt cctgaatgtc atggataaaa ataagtagcc aggagtcagc tctttttctt 360

gggagtaaga ggtaccaaaa taagcagaaa acaaaaaaan tcaactaacc acagctgatg 420

gaaagagctg ctctgactgt ttttatttgc agccatgtga tgcattttct aaaataacgn 480

tcctgttcct acaaaatatt tttttaacca tcatgccctg tttgcaa 527

<210> 5540
<211> 155
<212> DNA
<213> Mus musculus

<400> 5540
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ttgtatattg tatcttttgg gttcaccaca gcgaagtctc cagcgttatg attttactct 120

ttgcatattc gagcaacctt acaggatttg ggatt 155

<210> 5541
<211> 406
<212> DNA
<213> Mus musculus

<220>
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<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<400> 5541
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ggataacaac agcactgagc cagggcttac actgggaggc tacttctgcc cacagtgccg 120

agcaaagtac tgcgagcttc ctgttgaatg taaaatatgt ggtcttactt tggtgtctgc 180

acctcatttg gcaagatctt accatcattt atttcctttg gatgcttttc aagaaatttc 240

cctagaagaa tataaaggag aaaggttttg ttatggatgt caggggggaat tgaaagacca 300

acatgtctat gtttgcacag tgtgccaaaa tgtttttttgt gtggactgtg atntctttgt 360

tcatgactct ntccattgtt ntcctggctg tattcataag atccca 406

<210> 5542
<211> 492
<212> DNA
<213> Mus musculus

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<222> (52)..(52)
<223> n is a, c, g, or t

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<222> (264)..(264)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 5542
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cgaaggtcct gaggagcctg cgctgcccag cctggaaggt gtcagcgaaa agcagtacac 120

catctacatc gctcctgggg gcggagcgtt cacgacgctg aatggatcac tgaccttgga 180

gcttgtaaac gagaagttct ggaaggtgtc caggccctta gagctctgct atgcccccac 240

gaaggaccca aaatgatgtc acanagggga cagctggaac atggggacca cagggtgtct 300

ctgtgtccca gctcagcctg ccagcttcat ctcccaaagc cccccagcca gacagcaaga 360

ggacaaagga ggacaaatgg cttttataca aagtatctat attgaattag tntatattgg 420

acagcacggg ccctgtaccc actactgcct tttctataga ccctagtttc ctaccctgct 480

ggtgataggc ag 492

<210> 5543
<211> 484
<212> DNA
<213> Mus musculus

<400> 5543
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gggaacgaga ccgagagggc cctttccgca ggtcagactc attccccgaa cggagggccc 120

ctcgaaaggg gaacacactg tatgtgtatg gagaggacat gacgcccacc ctcctccgcg 180

gggccttctc tccctttgga aatatcatcg acctctccat ggacccaccc agaaactgtg 240

ccttcgtcac ctacgagaag atggagtctg cagatcaggc tgttgctgag ctcaatggga 300

cccaggtgga atctgtgcag cttaaagtca acatagcccg aaaacagccc atgctggacg 360

ctgctactgg caaatctgtc tggggctccc ttgctgtcca gaacagccct aagggttgcc 420

atcgagacaa gaggacccag attgtgtaca gtgacgatct ataggaaacc ttgtggatgg 480

cttc 484

<210> 5544
<211> 502
<212> DNA
<213> Mus musculus

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<222> (255)..(255)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<400> 5544
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atcctctcac cccgggtctg ctcaacccat ataattttta tttttgatta tttaataaaa 120

tgtagctgtt aagttattaa aatagtgagt taactttaga ttccttaatc gtttcctaag 180

caatgcttga gtgctgtaaa atgtaaggaa gagattgtgg gtaacaaaag agacattgca 240

aagtacagaa agtcncagtt aacttcaagg tttaatgacc ctttggtcag agaaaaaaga 300

atgccagttg ctttctaagc ccaacggata ggaagcctct gttctccagg caaggattag 360

tgggcatatt ctataagaaa acttacagct attgccctnt caaagcaaga aggaaaggtt 420

ttgtctttgt attaagatag gaagttagtc atggagtgaa atagatgatt aggtagaagt 480

gtttctgtgt ctttatttgc aa 502

<210> 5545
<211> 319
<212> DNA
<213> Mus musculus

<400> 5545
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tctagccacc gagtgaaaga gtgtcagaac cacagagacc tgcagggcca tacagagtca 120

ctgggacgca atgggtgagg tatggagtgc aggatggacc cctggagggc cttatgctgc 180

tgtctgtatc tcctcccgac tccacacacc tagctgacac ccaaaaagaa tagctactgc 240

ttggacaaga ggctcccagc acatagggac tcacgggagc tcacgtctgt atccaggttg 300

ggccgagagg ctccattct 319

<210> 5546
<211> 223
<212> DNA
<213> Mus musculus

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<222> (30)..(30)
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<222> (73)..(73)
<223> n is a, c, g, or t

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<222> (77)..(77)
<223> n is a, c, g, or t

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<222> (93)..(93)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 5546
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attcattggg atnctgnaag gagatgaatg ggnttcggag tgaatgtggc agttaaaata 120

caccttcatt tttttggact tgcgtattta gccccctgga acagagttgt tntggatttc 180

aaagataaga ctgctaccgt agcatcacaa tagtcagtgg tga 223

<210> 5547
<211> 474
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (317)..(317)
<223> n is a, c, g, or t

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<222> (362)..(363)
<223> n is a, c, g, or t

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<222> (365)..(365)

<223> n is a, c, g, or t

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<222> (372)..(372)
<223> n is a, c, g, or t

<220>
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<222> (374)..(374)
<223> n is a, c, g, or t

<400> 5547
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taccctcaca atccgaatca tcagtgggat ccagttgcct gttagctcat cctctaacac 120

gcctgacata gtagtgatca tagaagtcta cggtgttcca aacgaccacg tgaagcagca 180

gactcgtgtt gttaagaata atgcttttag tccaaagtgg aatgaaacat ttacatttct 240

tattcaagtg ccngaactgg cattgatacg ttttgttgtt gaaactcaac aaggcttatt 300

atcaggaaat gaattantcg ggcagtacac tttaccagtt ctttgcatga acaaaggtta 360

tnntngtgtt cntntgtttt ccaaatccgg tgcgaacctt gaaccttcct cactgtttat 420

ttatgtttgg tacttcagag agtgacgcat gtaactgacg cgttagctac acat 474

<210> 5548
<211> 528
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<400> 5548
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agataaacag agagaatata caaaagccag gcaagctcca gctgagcctg ccatttgaag 120

caaggttgaa tgcctccatg ggtcctggac gaaccgttgt cattaaaggg gaagtgaaca 180

ccaatgcccg aagctttaat gttgacctag tggcaggaaa aacaagggat atcgctctgc 240

acttgaaccc acgcctcaat gtgaaagcat ttgtaagaaa ttcctttctt caggatgcct 300

ggggagaaga ggagagaaat attacctgct tcccatttag ttctgggnat gtactttgan 360

gatgataatc tactgtgatg tccgggaatt caaggttgct ataaatggtg tgcacagcct 420

ggagtacaaa cacagattta aagacctaag cagtattgat acactatcag tcgatggtga 480

tatccgtttg ctggatgtaa ggagctggta gctaccatga ctgccaaa 528

<210> 5549
<211> 151
<212> DNA
<213> Mus musculus

<400> 5549
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gaatcctgtc agtgaccccc tggagtccag gatgcatggt catttgaaat atgtgtaaag 120

tcaaatgttc actcaggctt taaagcaaat a 151

<210> 5550
<211> 566
<212> DNA
<213> Mus musculus

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<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
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<222> (322)..(322)
<223> n is a, c, g, or t

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<222> (325)..(325)
<223> n is a, c, g, or t

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<222> (327)..(327)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (410)..(410)
<223> n is a, c, g, or t

<220>
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<222> (483)..(483)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (497)..(497)
<223> n is a, c, g, or t

<400> 5550
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aaacctttca ggtggttagt cacttgtaaa ctttttctta aggcaatttt ttttctactt 120

gtatatttac taacttccaa gagacatttc ctgtgctgga gagtccagtg tcccaagctg 180

gagcagtgag actcctgcat tgtggtgcag ctccacctgc catatgtgaa aactgcagtg 240

ataacacaga tgctaaagca ttcccaaggc ttgcaagcca ggctagcccc tcccctctcc 300

tctcctctcc tctcctntcn tntcntntcc tntccggtag gcagcatgct gctatgtaca 360

aacttgtacc aaatgttgca gaagcagaga taaaancctt tgttcccttn ttgagttgag 420

actgagtttt atctccagag gaagagatgt ccctgtactg aactctgttg gaaggggttg 480

canccatgag cagagtncaa acacgggagg gtaaggtgtg gaaagtgctt tcctggtgtc 540

agagtgggaa gacctcccca gtcact 566

<210> 5551
<211> 564
<212> DNA
<213> Mus musculus

<400> 5551
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gcaaagatta gctacctctg tcctgaaaga tgaaaaaagt aatctgaagg aagtccttaa 120

tgctgtgaaa gagctggagc tcgcacacag gtacttcagt tacttgagca aagttggaga 180

taaaatgaga tttgatttgg cccttgctgc ctctgaagcc aggcagtgct ctgacttact 240

gagccaggcc cagtaccatg tggcccgggc acgcaagcag gatgaggaag aacgggagct 300

gcgggccaag caggagcagg aaaaggagct cttaagacag aagcttctca aagagcagga 360

agagaaacgt ctcagagaaa aggaagaaca aaagaaactt ttggaacagc gtgcccagta 420

tgtggagaag accaaaaata tccttatgtt cactggcgag actgaagcaa caaaggagaa 480

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caacgatgac accgacgatg acct 564

<210> 5552
<211> 579
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (512)..(512)
<223> n is a, c, g, or t

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<222> (546)..(546)
<223> n is a, c, g, or t

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aagtgcaggc cgatgtccct cccgagattt tgaataatgt tggggccctc cattttagac 120

tcggaaacct gggggaagca aagaaatact tcctggcctc actggaccgc gcaaaggcag 180

aggccgagca tgatgaacac tactacaatg ccatctctgt caccacatcc tacaatttag 240

ccaggctcta tgaggccatg tgtgaatttc acgaagcaga gaaactgtac aaaaacattt 300

tacgagagca tcctaactac gttgattgct atctacgcct agganccatg nccagagata 360

aaggaaactt ctatgaagct tcagactggt ttaaggaanc ccttcagatc aatcaggatc 420

atccggatgc ctgntctttg attggtaacc tccatctggc aaaacaagaa tgggncccag 480

gtcagaagaa gtttgagagg atattaaaac anccagccac acagagtgac acctactcta 540

tgctgnccct tggcaatgtg tggctccaga ctttgcatc 579

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<211> 518
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tcttcggcgg caggcctgtc tggttgctgt tgagaatgca tggcgcaaag ctcangaagt 120

ctgtgacctc gttggccaaa ctctgggaaa acctttacta atcaaagaag aagaaacaaa 180

agactggtaa ggccaaacgg atgatcatca gttatccaga ctgccaggca cattaactgt 240

acaacagaaa atcaaaagtg caaccatcca tgcagcttcg aaggtgttca ttacttttga 300

ggtaaaagga aaagagaaga aaaaaaagca tctttaaaat tctaactaaa acatgatgtg 360

tctgtacttt taaatctgtt tttatacatt tttacagtgc ttctttctgt ctcggacatt 420

caacatattg tatggcatat taagtaagcc tcagtaaaat ctgccacttt ttgaacataa 480

tgccacagaa tatatacgat tactttctag tttccaga 518

<210> 5554
<211> 373
<212> DNA
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<223> n is a, c, g, or t

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gttcatgttc catgaaacat gttaacgttt tccatttcat cacaatctat atgcttttct 120

tttaaaatgt ttcatacaat gtattttgat tatattattt ccccccccca gctccccaca 180

gattctaccc cctccatctg tagaatccaa aataaatcca agaccaccca gcccccttccc 240

cctntgaagg gactttccaa actatattag tgggccaagt acagagccag ataaagaagc 300

tggccgacta aacaatgctg agaaaaaaac cacaagggca ggcagagtga gggactaggc 360

caaagatagt cac 373

<210> 5555
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (413)..(413)
<223> n is a, c, g, or t

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cagcagtgac gatggcactc aaggttgtat ggggctggcc ctgtgtgctg atgtagtaag 120

acactttgaa agttctgtca tcagaaaaga gccactttga agctgcactg atgccctggt 180

tctgacatcc ctggaggaga cctgttcctg ctgctctctg catctcagag aagctcctgc 240

ttcctgcttc cccgactcag ttactgagca cagccatcta acctgagacc tcttcagaat 300

aactacctcc tcactcggct gtctgaccag agaaatagac ctgtctctcc cggtcgttnt 360

ntgccctggg ttcccctaga aacagacaca gcctccagct ggctttngtc ctntgaaaag 420

cagtttacat tgatgcagag aaccaaacta gacatgccat tctgttgaca aca 473

<210> 5556
<211> 437
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctcatgccta aagactgaga aatgtcactc tccaagtaag cttggtatga aggggaagca 120

cctagttggt agagttacga gaatcagaac acataggcgc aaaaaaccca aataccagtg 180

tgtgggtaca caaaccacag cagaattcag ggatgacttg ggggatctcg aggataaaag 240

ccaaaaaggc tttttgaatt ctcatcctga atgtgtgact tcctgcagaa ggtaaattag 300

aaaaagaaag gaattcaaga nttcagaacc ttctanccaa gaatgaatnt aaaatagata 360

tcatcagaag cataaagatn taagtggttt tgaaaggcaa attagtntac ttagccacca 420

aggctcattg aaagtat 437

<210> 5557

<211> 471
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (304)..(304)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttaataaag ggttttacaa gggtacctgg atcccagggg gaagtagttt atccttgggg 120

cacagtggca gggctcattc agaacggtga gtaagtgtca ggtgtgatat tcaaagacct 180

ggttcctaac accagancac agcgaagntg gagntcagaa ataantccca nccactgaag 240

gaagtatggc ttcantctgg agagctcaga aaagactcga ccctagganc ccacacaanc 300

gntnatancc acaagtgaga gggcattanc aacaggaagc taaggattga gtaaggcaat 360

ggggaatggt gggganccagc agttacaacn ctttactcac ctggatgggc ttgttaaaac 420

acagattacc ancccactc cctgcattct gactcagtag gtccgggacg g 471

<210> 5558
<211> 430
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

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gaaggaccag aaattcctca tgggcaggag ggcaccacag ctccatccat gtgacacaca 120

ggttgccgat agggagtaca cgcttgagcc ccttgtgccc tggtgggcag acatcgggtc 180

ctgtagccgc cacaacccat atcaccttcg ttcacggtct cgttcctgtc catcatcact 240

cggcatcctt ccctctcaca gtaccccacc cccatcattc catcctctta ggtggtttag 300

aaactttgca gtgaccctgg gaagggccac atcaccaagg agtactggcc catgcaataa 360

gacgtcacan tcccaacaga ggcggggctt cccctccatc ccaggctgtc aggctcagcg 420

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<210> 5559
<211> 413
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

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gtccatcctg gaggaagaca aggactggag gccagctatc accatcaaac agatcttatt 120

aggaatacaa gaacttctaa atgaaccaaa tattcaagac ccagctcaag cagaggccta 180

cacaatttac tgccaaaaca gagtggaata tgagaaaagg gtccgagcac aagcgaagaa 240

gtttgccccc tcantaagca gcggccctgg gctccatgac gaggaaggga ttggcttggc 300

aagaacttgt ttacaacctt ttgcagatct aagtcgctcc gtacagttac tagtcgcctg 360

ggagggttga gcgggcgcca ttttccattt ccgccactgg catattcagt ctt 413

<210> 5560
<211> 461
<212> DNA
<213> Mus musculus

<400> 5560
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ccaaaaaatg taaactattt tacaagaaag acaacgaatt taaagagaag ggtgtgggga 120

ccctgcattt aaaacccaca gcaactcaga agacccagct cttggtgcgg gcagacacca 180

acctaggcaa catactgctg aatgttctga tcgcccccaa catgccgtgc acccggacag 240

gaaagaacaa cgtccttatc gtctgtgtcc ccaacccccc actcgatgag aagcagccca 300

ctctcccggc caccatgctg atccgggtga agacgagcga ggatgccgat gaattgcaca 360

agattttact ggagaaaaag gatgcctgag cactgaggct gaccaaggca tgttgccacg 420

ttgctgcttc ccctccgtcc ctaacttagt cacattcttt c 461

<210> 5561
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aggaaccgca actcgccttc ctacacactg aaattcagga ctgctgagga agcccagcgt 120

ggaagactcg ctcccaaagg ctcccagacn tcaccatgaa agcttctgtc tgggcccctg 180

cagccctcga agtncatgan gtcgacatgc agcctgaggg tgaantaaag accaacgggn 240

ntnctnggca gactgtcccc atcaccagag gantggagga tgacaagggc tnccagcccc 300

ntcaatcntg tggagaccca agagataggc agacagctgn tgggcaganc ncngnagcca 360

cccnggtcac cacccagant cgggagtgac agagataagg ggaccagnct ntncgctttc 420

caagagaaaa ctggagntcc tacttggaga gcctgagaga attaagagga agaagaagta 480

acaaagctga gcacacntct ggggctgntn tncagntcct ntcntcccct cggtggggac 540

aaggttccca agtgcaaata aaaacggcac cacaaggagg tgcccgtttt tg 592

<210> 5562
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<212> DNA
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<223> n is a, c, g, or t

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caaccagacg ggatacatgc cttcctttct caagaaagaa gtgggatcag ctggccagag 120

gatccaattg gcacctttag gtgcgtcggc ttcggactat acctggagca caaaaactgg 180

acgaggccag ttttcgggac gaacttacaa ccccacagcc aaaaatctca atattgtgaa 240

ccgcacacag ccagtcccct cggtacacgg gaggacagac tgggtggcta agtatggagg 300

ccaccggtag gagaggtgga agccctgact cattnntccg tagaggacna tcaanccccct 360

tgatcccggg agccctntac agantntatt tntaccgant tccacaagac gcanacaact 420

gcgggcgcnt caaagagcgg agggcagntc ccgatngctt ccttttccag aaatgcaatg 480

cattttntta acttgtggcc agcagtgctg acgcagcacc gtgctgagac tttttgaga 539

<210> 5563
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<223> n is a, c, g, or t

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tgtgagatct gtgagcgggt gcatctaagc cgggtatctt tcttagaagc aaacctctct 120

ccagtctcta tcagagtctg cccgtctcgt tttagtcctg ttgttggacc ttgaccaaac 180

tgggaactca cgatgactgt ctgactctag ctcggtgagt tccanccttn catncaccag 240

ggttntnntn tncgnctnca gctttnaagg acacggtttg cttgaaaccg tatctgatgc 300

ttgnccatct gactctccta actcctgttc ccgtgtgtaa ctacctgaca caaaggtgaa 360

acgtnccagc tgctcctcag gcaaaccctt gctgctgccg gtcactgact agcctctgac 420

cctcacatta ganccgcagg gcaaatgcac tcagttgcca cagcagagtt tcatgcagct 480

cgttgttcct actttta 497

<210> 5564
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attcagggcn ttgttccctt ttctcttcag acaacgactc ttggtagaga actgaggcgg 120

ctgcactgct accaagtgtc caagaggagc agcaggctgg agggctntnc tgctaaaagt 180

gcagaaannn aaagcngctg aacaataatt ttcctttaga gttttggttn aagttttnat 240

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<210> 5565
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tattagctag acataaggcc atctcctact ggaaagaact tatgggacca agtaacagtt 180

tagtagccaa ggagacacac ccggacagct taagggcgat atacggtaca gacgagctca 240

ggaacgcact tcatgggagc aatgacttcg ctgcctcaga gcgagagatc aggttcatgt 300

ttccagcngt gattattgaa cccattccaa ttggacnaan ccgctaagga ctacataaac 360

ttgtacgtag cnccaaccct acttcaagga ctcacagagc tttgtaagga aaagccacca 420

gacccttacc tntnnnnnnc nntgattggc tgatgaaaaa taatcccaac aaacctaaac 480

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ccttactgta agaagccgct ccccatg 567

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<211> 472
<212> DNA
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gtacaccctc ccagtttcat cttccactac tgccatggta gctgcgggat gcccacatnt 120

gacctgcccc tgccagtccc tggggtgccc cctaccccgg ttcagcccct gtttttggtg 180

ccaggggcca agccctgctg tgctgctctt ccggggagca tgaggtccct acgcgtccga 240

accacctcag atggaggtta ctctttcaag tatgagatgg tacccaacct tattactcaa 300

cactgtgctt gtatctaaaa gcacctccgc ctcctcctcc catagccgat ggccacagtc 360

aattcaccac cccagggtcc tcagctagga ggaggacaga gtgtggaaag tagacagttt 420

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<210> 5567
<211> 516
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (287)..(287)
<223> n is a, c, g, or t

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tggaaacagt tcgaggacga ggggtggtgg gcagggaacc agtgttatcc aaggagcagc 120

ctgcattcca gtatagcagc catgtntctc tgcaagcttc cagtgggcac atgtggggca 180

catttcgttt tgagagaccg gatggctccc actttgatgt ccggatccca ccattctcct 240

tggaaagcaa taaagatgag aagaccccac cctcaggcnc ccttntncac tggtaggcca 300

gctgaggccc aggttggccc taagaacaac agctctcaac ccataattgc tgcagaactc 360

taaacctctc cctactgtga aattcttttt ttggagggag attgtaactt ttcttggaag 420

acccacataa gactcctcca aggttggcct tggccgctgt ccaggacacc acgttccagc 480

aaagctgtca gggaactgtt cagttgtccc atgttt 516

<210> 5568
<211> 346
<212> DNA
<213> Mus musculus

<400> 5568
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cgggtctctc taccctccgc ccagtgtaga ggaggccagt gtagagttgg actgacctga 120

ctatagacac ggattaccca ccagcacttc tggcttcact aggcctggag aagagtgagg 180

caaaaccagt caggtttctg ggaactgtgg gcttctgagc attgagcaaa gcctgtcaag 240

catccagacc acaggggcag gaattcagcc aagaagcagc ttaagttatg gtcagtgacc 300

aagtcaagct gcttttggag cttctttcag gccaacagga gccaga 346

<210> 5569
<211> 327
<212> DNA
<213> Mus musculus

<400> 5569
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gcttgaccca attcagagag aacctgtgtg ctcagctctt aacagtgcaa tattagaaac 120

ccacaatctg ccaaagcaac ctccacttgc cctagccatg ggacaggcca cacagtgtct 180

aggcctgatg gctcggtcag gagttgggtc ctgtgcattt gccacagtgg aagactacct 240

acattagcta tgcacttcaa gagctcacac tcacattgtg gcaaacagtc aacatggaag 300

tagaccggct ctgctgattt gaaattt 327

<210> 5570
<211> 535
<212> DNA
<213> Mus musculus

<400> 5570
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caagcacttc gcagttgggt ggcactgagc ctgtgaaacg ctgtggaaat tctgcactct 120

ttcaactggc agagatgtgt ctggcatcag agggggtgaa aatggaagac acaaaactaa 180

taaaatcaaa agagtcagat ggaggaagaa ttgaggaaat agaaaagggg aaggaagaga 240

gaggcacaga agtggagaaa accactgaaa cttcgttcca gaaggaagca gaatttggga 300

agtcagctaa gggcaacgtg agagagtcta aggacttaag agacatcgaa cagctacaga 360

tggataatgt catggctatc aaagtggaag accccaaaga aattaggaag gagccagagg 420

atgatcagaa atacagtcac ttccctgatt tttcttactc tgccagtagc aagataataa 480

ttagtggtgt ccccagtaga aaggaccaca tgtgccatcc tcacggaatt atgat 535

<210> 5571
<211> 559
<212> DNA
<213> Mus musculus

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aaggagaagt gctcagacat caccaaagag tctcgacctc cagatttcct tagcatttct 120

gccagcaaga gtgttcctgg ggaggtgcca gagggcataa aagcagaacc cttgacccct 180

accgaggatg cactgccacc tagcctacca ggacaggcta agcctgagga tagtgattgt 240

cacagaaaaa cggagacctg tggctccagg aaatctgaga ggtcttgcaa aggtgctctt 300

tataaaaccc tggtgtccga gggcatgctc acctctctcc gagctaatgt tgacagaggg 360

aaacgaagct caggaaaagg aaactcctct gatcatgaag ggtgttggag tgaagagagc 420

tggacattta atcagagtgg gaccagtggg agcaagaagt ttaagaagaa actaagggaa 480

gactccttcc ttggttctgc gaagctggat gaagaatttg aaaagaaatt caacagcctc 540

cctcaatata gtcctatta 559

<210> 5572
<211> 435
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (320)..(320)
<223> n is a, c, g, or t

<220>
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<222> (359)..(359)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

<220>
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<222> (391)..(391)
<223> n is a, c, g, or t

<220>
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<222> (396)..(396)
<223> n is a, c, g, or t

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cctacaggct ggatgtccta gaggcagtag ctccggagag gccccgctgc ggctactgca 120

acgcagaggc ctccaagcgc tgctccagat gccagaatgt gtggtattgc tgcagggagt 180

gtcaagtcaa gcactgggag aagcacggaa agacatgtgt tctagcagcc caaggtgaca 240

gagccaagtg aaggccgtag ctgccgaggg ccgacagaag agcgcaccca gactgtgact 300

gagcttcagg gantcgtggn tcgcccctgt cagacctcaa tttccctggt gagcacagnt 360

gagtcaagta gagctgcaaa ccaccacant nttcanttcc tgccccaccc agcgaatacg 420

cagaggacca ggcca 435

<210> 5573
<211> 512
<212> DNA
<213> Mus musculus

<220>
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<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

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<222> (417)..(417)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (451)..(451)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (475)..(475)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (477)..(477)
<223> n is a, c, g, or t

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agctgcgtgg ctcccagtaa ctgtcccaag attatctgtg gagtgcacta tatgtacttt 120

gccatcatac tcttctttgt gtccataata gtaatcctgg gagtctcctt cctaacggag 180

ccgattcctg atgttcacct gtaccgccta tgctggagtc tttggaacaa cacagaggag 240

cggatagact tggatgcaga agaattggaa actcaagaag aagctggtgg tgctcttgaa 300

gaagattctg agcaatcccg nggctgtctc aagagggcat gctgcntatt gtgtggtttg 360

cagaatacag ggcccaagct gaccaaagaa gaggaggcag ntntgaggca gaagttntca 420

gacacatntg agaagccctt gtggagaacc ntcatgaaca tcaatnccgt cntcntnctg 480

ggtgtggctg tctttgtcca tgcctatttt gc 512

<210> 5574

<211> 481
<212> DNA
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<222> (161)..(161)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

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<222> (346)..(346)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (396)..(399)
<223> n is a, c, g, or t

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ctgccaccac cacctacacc acctgcacct gtgccacgga agtctgtgac aagccttgac 120

cactctctgg attggtgtgc cctgagcaag tggcctgcct ntgccctctc ctgctgcctc 180

cagcacagca ggttttggag ttcatttgac actggtagag tttctacaca tttggagcag 240

gcagagggac ctatggccag atgccanggg aggtacccag agaccccaca gcgtggttca 300

tgcagatcgt gtgtatcagt cctgagtcaa aatggccaag gacctnctga caacagtgcc 360

accttctcac cattccacct ccctccgct cctggnnnnc ccagccagcc caggagaaat 420

tcgacattgg aactgtttct gtcgatcctc ctgcccctcc aatggccttg aagtctctgc 480

t 481

<210> 5575
<211> 535
<212> DNA
<213> Mus musculus

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<222> (348)..(348)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

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<222> (438)..(438)
<223> n is a, c, g, or t

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cgcagcagga gacaaagttg gagccagtgc ttcggacggt tcagtttgtg tcttagacct 120

tcggaaatag cgttactagt tggaagccat ggaccgacta tgaatgtgta catagccaca 180

agactatccc tgacccatat actgctatag tcccacttga accatggcca gtccactaca 240

gccaaatcta agagaaatat atacatgcag tatatatgaa cacagctgta ccctgaagat 300

gacagtctca tcccagcttg tgaattctgc tcaccaagtg ctgggatnta acctgctgtg 360

cccctaagta gcgtttagaa gtttggatat gnaaaccaga agagaaggaa tatgcgttat 420

aagagcaaac cacacatntc ccagttttga atattaatga cagccttgtt tccccctttg 480

aatcagcaga cacatggatt atattctttt tcccctcagt agtgcgcagt ttgta 535

<210> 5576
<211> 65
<212> DNA
<213> Mus musculus

<400> 5576
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gtggg 65

<210> 5577
<211> 358
<212> DNA
<213> Mus musculus

<400> 5577
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tctcagagag aggcctgctc cagctattca caggagccaa tgtccatact gacttgcctt 120

ccactgagcc tacactagcc agtgtgggtc tacctccacg ggctcagatg cccaccgatc 180

tccccaggca ttctcataca gagcacagaa gctgccaacc acacggacaa aactcaacat 240

cttggtgact taagatttgg gcctctgtga ttggcccctt ccaagggaac ctgtgacaca 300

cagtggacct ggagacagct gctgtgccta gcctaccctt ggctggacag cagtccag 358

<210> 5578
<211> 402
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

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tcgcaggagg agcaaggagc tgaggaaagc cctcgccacc acttaaccca agacaagggc 120

gggctcaccc agtgagactg ccaacccggc acaacagcca gaaccagtgc ccttcactct 180

gccacacagc acccatccca ggcctgccca cccatggggg ctgggccacn ccagatcatg 240

acatggcttt gtcctgtggc atgaaacagt gtcctagtca ctgcctgggg atgcagaagc 300

cgcagagtag tgtcatagct actgtgtttc tttctctagg gaaaagcccc aggcacacca 360

tggcgatgcc caggctcacc caccttggac atgtgcctaa gg 402

<210> 5579
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<400> 5579
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cctgcaggaa gaataacagt tccaaggtta agtgttggtt cagtttctag tagaccaagt 120

actcccaccc taggtacacc gactccacaa accatgtctg tttcaancta aagtaggcac 180

cccaatgtnc cctcacagga cagaggttta cangtacaga tgcctgcttc tcagtcccct 240

gctgtaaaag cttctatacc tgcaacatca acagttcaga atgttcttat taatccatcg 300

ttaattgggt ccaaaaacat tcttattact actaatatgg tatcacagaa tacagccgag 360

tcagcaaatg cactgaaacg gaaacgtgaa gacgatgatg atgacgatga tgacgatgat 420

gatgatgact atgataatat gtagtctagc cacgatgcat gtaacctg 468

<210> 5580
<211> 566
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (309)..(309)
<223> n is a, c, g, or t

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<222> (317)..(317)
<223> n is a, c, g, or t

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<222> (326)..(326)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (464)..(464)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (507)..(507)
<223> n is a, c, g, or t

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<222> (524)..(524)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcaagagccc aggtgctggg cagaagggcc ggaaggatct gctgaagggc aatggccgcc 120

gcatcgacta catgctgcac gccgaggagg ggctgtgccc tgactggaag gctgaggtag 180

aagaattcag ttttatcacc cagctgtccg gcctgaccga ccacctcccc gtggccatgc 240

ggctgatggt gtctgcaggg gaagaggagg catagaccan ccatgccacg gtctcgagca 300

gtagggccnt ctgccgnccc ttcaanccac agcccgnncc tnggctgtgt nccctccatt 360

gagcacccag tnctggggga aggagggcag gggacaggga aggacgancc catcaatccc 420

ntncaagcct gggaaccagg ctgntntntn cntntnggnc caantntgcg gacagaggac 480

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ntacagaaat acacagcaca acctag 566

<210> 5581
<211> 502
<212> DNA
<213> Mus musculus

<220>

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<222> (256)..(258)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

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<222> (286)..(286)
<223> n is a, c, g, or t

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<222> (297)..(297)
<223> n is a, c, g, or t

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<222> (377)..(377)
<223> n is a, c, g, or t

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<222> (407)..(407)
<223> n is a, c, g, or t

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gttaaaatgc aaagagctgg tttgcaaaat gaattgttct tcacattttc agttgcatct 120

atagacacag aaaaaggatc caagccatgt acagaccata gttgtgaagc ttccaaaaga 180

ttatctaagg ctaaaaatct catagagaga ttcttcattc agcaagtaga agtcctgggc 240

aagcgtgcgg agccannncc tganannnac nnnntnnnnn naaccnttca gatggtntgg 300

gtgaaccgct gctttccagg gtatggcata aatgtcctga agcatcccaa gtgcccagag 360

tgctgtgtgg tctgcanccc tggatccttc aatccccggg atggaantca ttgcctccag 420

tgcaacaaca gcctggtgta tggagcgaag acatgcatgt aggccagggc cttgtgggac 480

ccagcagctc attcaacata aa 502

<210> 5582
<211> 474
<212> DNA
<213> Mus musculus

<220>
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<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

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taaggaaaca aagtccagtt taaggtctta ttgcagagca aaatgggaga tgctgaagca 120

ggcaagaaga tctttgttca gaaatgtgct cagtgccaca cggtggaaaa aggcgggaaa 180

cacaagacag gtccaaatct ctggggcctc tttggtcgaa agacaggaca agcaccagga 240

ttttcttaca cggatgcaaa caagaacaaa ggtgttatct ggtcagaaga aactttgatg 300

gaatatttgg agaacccgaa gaaatatatc cctggcacta aaatgatntt tgctggtntc 360

aaaaagaaga gtgagagaga agatntcatt aagtatttaa aacaggccac atcctcatga 420

agtgaagtag tatttcagct tcaaaatatt cgctaccagt ttcaaatatt gtgt 474

<210> 5583
<211> 475
<212> DNA
<213> Mus musculus

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<222> (325)..(325)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (341)..(341)
<223> n is a, c, g, or t

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<222> (359)..(359)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<400> 5583
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gctgcgggac acggccacag gtgcattctg ggaaggatgc agagaaggcg ccaacagtta 120

gcatttcttg tttagaactc agtgagaatc tagagaagaa ggccaggagg actaaagctg 180

aaggcagtct ccctgctgtg gtgatagaga ttaaaaacgt gccaaacaaa cagcccgaat 240

catctttgtg agtcttgaaa aagatgtgat atttgacttt tgcttttaaa ctgcaagaga 300

aaatagactc cattgaaata ctaantttnc caagtagtnt nattgaantc ctnntctgnt 360

cncacagttt aattctattt ttgtaagaac ataatggnac tgcctaatag agagtgctac 420

attgcaccct tgtgattctt agtgcatagt gcagctatgc tggaacacgt ttgaa 475

<210> 5584
<211> 571
<212> DNA
<213> Mus musculus

<220>
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<222> (86)..(86)
<223> n is a, c, g, or t

<220>
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<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<400> 5584
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gcacctcttg ctaaactcag actggnattc cttcaccaan tggccgggac tcctgggaga 120

tggaggctat ggagaaggag gctctggcca aagaagaaca cagaaggggt acagaactgt 180

ttcgagctgg gaaccctcaa ggggctgccc gatgctatgg acgggctctc cgactgctgc 240

tgacgttgcc cccacccggc cctcccgaac gaactaccct ttatgccaat ctggctgcct 300

gccagttgnt gctaggacac ccccagttgg cagcccagag ctgtgaccga gtgctggagc 360

gggagccggg ccatttaaag gccttatacc gaaggggggt tgctcgggct gccctcgggg 420

acttggaaaa agccactgct gatttcaaga aagtgctagc agtagatccc aaaaaccgtg 480

cagcgaaaga ggagctgggg aaggtggtca ttcagggaag gaaacaggat gcagggctgg 540

ctcggggact gcgcaagatg tttagctgat t 571

<210> 5585
<211> 525
<212> DNA
<213> Mus musculus

<400> 5585
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ccaggtacct cacacaaagt gctatagcac tgaactttat acctcagtcc atgaggtgtt 120

ctgtgtactc attgattcac agtttttgtg tatagataca tgaaattata tcgcatagct 180

tccactaacc taagacctgt cctccctcca tccctaccga tagccctacc atcaccagaa 240

tgtttttatc attttaagaa catttcataa acagaattgt acttttaaaa acaatttttt 300

atttagcttt ctacctttg aaatgtactg tcttactcca aataatatcc tgagatctat 360

ccaagtgttg ggtgtgttgg taattaattc ttttcttatt ctttacttcc actccccccc 420

caagttgttt caaattgttg tttccaaagg ggggggggaac gctcatcgac ttgaaagatt 480

taggtttctg ctgaagttaa aatgtggttg ccctgtatta aagct 525

<210> 5586
<211> 287
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<400> 5586
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ntgactctcc ttccctccaa ccccaccctc tttctgcctt ccaatgaacc ccatttggtg 120

tgggcagcac tggcttcctt cccttntctc ctgagctgcc aaatcgaagc cagtctctaa 180

cctgggtgaa taccgtttat ttaaaaatgc caaacatagc ctagatatag aatatggtca 240

tgtatctatc gccttctcta tttaatagtt ttctgctttc taaccaa 287

<210> 5587
<211> 528
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (477)..(477)
<223> n is a, c, g, or t

<400> 5587
gcctaaggtc attgttgtct gggtagggac aaacaaccac gaaaatacag cagaagaagt 60

agcaggtggg attgaggcta ttgtacaact tataaacacg cggcagccac aggccaagat 120

cattgtgctg ggtctgttac ctcgaggtga gaagcccaac cctttaagac aaaagaatgc 180

caaggtgaac cagcttctca aggtttccct gccgaagctt gccaatgtgc agctccttga 240

tatagacggg ggcttcgtgc actcggacgg tgccatctcc tgccacgaca tgtttgattt 300

tcttcatctc acaggagggg gctatgcaaa gatctgcaaa cccctccatg aactgatcat 360

gcagttgctg gaggaaacaa ccggaggaga agcagaccac cattgcttga ctggcccatc 420

agtgttacag catcccgctt cctcagatca gttagaccac tggcactaca gaatccnttt 480

cttaaggcac tttgcattgt acaatgttcc tggatgcttg tatgtttg 528

<210> 5588
<211> 457
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<400> 5588
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agacagaaag tagatgatga cagaaaacat gagatagaag ctgctatagt gcgaataatg 120

aagtctagga agaagatgca gcacaatgtt ttagtagcag aggtaactca gcaactgaag 180

gctcgattct taccaagtcc agttgttatt aagaaacgta ttgaaggact tattgagaga 240

gaatatttgg cacgaacacc tgaggatcgc aaagtataca catatgtagc ataaaatgca 300

ttcagaaatt tgatttattc ttggactgta ctcttcgcat ggactgggaa gttcttttaa 360

atcatactat taagacgacc atntcttctg ttaaattncn agtacgtgtt atagaccact 420

cagatcaagc cntctactcc ctctgagagt tttcaac 457

<210> 5589
<211> 441
<212> DNA
<213> Mus musculus

<400> 5589
cagagctgca cccagtagaa ctaaagcctt tccaggatta ccgaaagctg agcagcaacc 60

ttgggggtcc tgggtcgtca cggactcccc catctggaag gcccttctct ggtctcaatt 120

cccgtctcaa ggccccacct tccacctaca gtggagtatt ccgaactcag cgcattgacc 180

tctaccagca ggcttcccca ccagatgccc tgcgctggat gccgaagcct tgggaacggg 240

cagggccacc ttctcgagaa gggcctcccc gaagagcaga ggagcctggg tcccgggggg 300

agaaggagcc tggattgccc ccaccccgct gagggagttc cccttgaccc ccatccccgg 360

ggcttgtata tagattataa atatataagg gggaaagggg tgggtgggga ggggttgtgg 420

gtctggagtc tcacttcccc t 441

<210> 5590
<211> 321
<212> DNA
<213> Mus musculus

<400> 5590
atgttgtgtc tacagagccc acgtctaggg ataccaagca gtcctgtgtt ctcagaggaa 60

gtcgtacaca ttgtgcccta gcaaaggccc tcaggtgaaa gagcagagct gtgaagaact 120

atctatcagg tttggagttc aatgacactc gagttttggt ccattctgaa gccatggatt 180

aatcttaaag aatcagtcag ccctttcaa tggctccttt atatttttat caattttctt 240

catttatctg accccaaagc cctgttatgc cacagaaatg gagctctaca gccattaaga 300

cacattacag gccaaggagc a 321

<210> 5591
<211> 343
<212> DNA
<213> Mus musculus

<400> 5591
tcccatcaac aattctgtca ttcctgttga ctataagagt tttaaagcca cttggactga 60

ggtggtgcag atcaatcggg agcggtggcg agccaaggta cccaaagaag aaaaagccaa 120

gaaggaagct gaagagaagg ctcgcctggc tgctgaggaa aagcaaaagg aaatggaagc 180

caaaagccaa gctgaacaag gcacaaccag caaaggcgag aaaaagacat caggagaagc 240

caaaagtcaa gtcaatggaa cacgcaaggg tgataaccct cgtgggaaga actccaaagg 300

agaaaaggca ggcgaaaagc agcagaacgg tgacttgaaa gac 343

<210> 5592
<211> 543
<212> DNA
<213> Mus musculus

<220>
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<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

<400> 5592
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tcattggata atttcgggat cctatgtgtc ggcttatacc gtatgattga tgaagaggaa 120

cccagccaag aacacaaaag gtttgtgatc accaggccat ccaatgagtg ccacctgctg 180

ccctcagatc tcgtgttttg tgccatccct ttcaacacca cctgtggcaa atcagacagc 240

agtcctttca atttcaggct caaaacaact ctacaaacgc gacgacgcca ttggcccagg 300

ggtcgaattt cttcgattcg caccatgccg acgagtccca cgatntttac ccagtcgacg 360

acacgggaga gaggtgntct cagcaccacc actcccgant ctntcctttg gacacgttag 420

atnccagtga tattgttcaa gaaaaataaa aacagaaaca tgctattttt gtgccagttg 480

cttagtgntc agcgagttgg caagcccacg gtgctgtgga agggaccatc ttatcccagt 540

gaa 543

<210> 5593
<211> 515
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
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<222> (466)..(466)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (490)..(490)
<223> n is a, c, g, or t

<400> 5593
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atgagattgc ttttaagtgg aagccattta aatttaaatt tttttaattt ataaaaagct 120

aggtgaagaa catgaacgtt tctgtactca ttttaatcca aaagacctag aacttaaatg 180

gacattaaag tcacccagat taagccaaaa cctacatttt gtattttaaa gtctaactgg 240

tcaacaaaaa tagattggcg ctatgggccc ataaagtgtg actggctttg ttcccaaaat 300

nttttatacn tngangantc aaccttcctt ctttcacact ttntntccat attnttggt 360

ttattngtgg tttnttagtt gactcatcan tnatagntct ttttattata ttaactgctt 420

aatccatttt gatgtaaggg taaaagttta atttgatgaa aaaaanttgt gtatgaagac 480

cctattgntn ttctggagct tgtacattca agaat 515

<210> 5594
<211> 464
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<400> 5594
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accagttggg ccattgtctg cagcgtttgg tacctgcctc ctatgactcg agagaaagat 120

gaagatgctg tgcagtttng ctaacagagt gaagtctgcc attgcccggc anggaggatt 180

ggtagacctg ctgtgggacg gtggattnga nagagagaaa aggtgaagga cacattcaag 240

gaggagcagc agaagctata tagcaagatg atagtcggaa accatgagga ccgcagccgg 300

tcctgagcct ccgtcttgtg ctggctgaag ccgccacctc taaatcctga agtgtgagcc 360

agctgcagtt gttgctgcca cagcctctac cgtcatcccc gccacccact gctgcatcct 420

tccggactct ggccctcagg ctgttctgga ctccaggact ggag 464

<210> 5595
<211> 377
<212> DNA
<213> Mus musculus

<400> 5595
gaagctattc gagagggacc ctgacaagag gctgggagta acaggaaaca tcaggattca 60

ccccttttc aagactatca actggtccct cctggagaag cggaaggtgg agccgccctt 120

taagcccaaa gtgaaatccc cttcagacta cagcaacttt gacccagagt tcctgaatga 180

gaaacctcag ctttccttca gtgacaagaa cctcatcgac tctatggacc aggaagcctt 240

ccatggcttc tcctttgtga atcccaagtt tgagcaattc ctggacattt aattaagctc 300

ccagacctgc tttaaacgcc ctggcagagt aggcccgtct gccctggttt gcaccgcatt 360

gcccgtggag aacagtg 377

<210> 5596
<211> 455
<212> DNA
<213> Mus musculus

<400> 5596
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tggcaatgtg gactatggtg caacagcaga agagctggaa gcccattttc atggctgtgg 120

ttcagtcaac cgtgttacta tactctgtga caaatttagt ggccatccca aagggtttgc 180

atatatagag ttctcggaca aagagtcagt gaggacgtcc ctggccttag atgagtccct 240

gttcagagga agacaaatca aggtgattcc caaacgaacc aacagaccag gcatcagcac 300

aacagaccgg ggtttcccgc gctcccgata ccgtgcccgg actaccaact acaacagctc 360

ccgatctcga ttctacagtg gttttaacag caggccccgg ggtcgaatct acaggggccg 420

ggctagagcg acatcatggt attcccctta ctaaa 455

<210> 5597
<211> 39
<212> DNA
<213> Mus musculus

<400> 5597
ccgggctaga gcgacatcat ggtattcccc ttactaaaa 39

<210> 5598
<211> 317
<212> DNA
<213> Mus musculus

<220>
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<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<400> 5598
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ctcagctcag agttctggtg caaccggctt gctatgaagg gctgtgaaga tgaccgagtc 120

tccaactggc tcanagctga gttccttagc ttcnangagg gggatttccc caccaagatt 180

tgtgacacaa actatatcca gtacccaaac tactgttcct tcaaaagcca gcagtgcctg 240

ctgagaaacc agaacagaaa gatgtcccgc atgaggtgta tgctgaatga gaggtacaac 300

gtgctaagcc tggctaa 317

<210> 5599
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<400> 5599
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gaaattacct cctgtgctgt tagtgcacct gaaacgattt tcctatgacg gcaggtggaa 120

gcagaagctg caaacatccg tggatttccc attggaaaat cttgacctgt cacagtacgt 180

tattggtcca aaaaacagct tgaagaaata taacttgttt tctgtttcaa accactacgg 240

cgggctagac ggaggccact acacagccta ctgtaagaac gcggcaaggc agcgctggtt 300

taagtttgat gaccatgaag tttctgatat ctctgtgtct tctgtgaggt catcagcagc 360

ttatatcctc ttttatactt ccctgggacc acgcataact gatgtagcca cnatagagag 420

gagtaggctg tcggcttatt gacgtctcca aattgcagcc tcacatctaa tgcttacaa 479

<210> 5600
<211> 371
<212> DNA
<213> Mus musculus

<400> 5600
ctctaggttg gtctcagcct tgtgatgttt ggagcatagg ctgcattctt attgagtact 60

accttgggtt cacagtcttt cagacccacg atagtaaaga gcacctggca atgatggagc 120

ggatcttagg acccatccca gcacatatga tccagaagac aaggaaacgc aagtatttcc 180

accataacca gctagattgg gacgagcata gttcagctgg gagatatgtt aggagacgct 240

gcaagccgtt aaaggaattt atgctgtgtc atgacgaaga gcatgagaag ctgtttgacc 300

tggttcgaag aatgttggag tatgacccag cgagaaggat caccttggat gaagcattgc 360

agcacccttt c 371

<210> 5601
<211> 539
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

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ctttttatga gcagtttgcc aactgagaag gacgagcgac tgagctgggt ctttgaagca 120

cagtgcagca aacccttcgc cctgctctgc aggtgactgc aggagtcctg ggctgtcctg 180

tcggcctgca agtggtggcn ttgctatctt tgcactttca gggaaggagg acccacactg 240

agaaagcnaa aaacagcaca aaaatggctc tcttacagtg gaaatatgga cttttgttta 300

gaagattcca gtttaaaaaa agttgtgaga aaaccgtaaa agtctgaatt accattaatg 360

ggacctgaaa acaaagaatg atggtgacag ctggacagca ccaatttggt tattttcatt 420

ctgttccttc cctctgtaga ttggactctg ttctctgctt tctctttctt gaaaagagag 480

gacatagctt taagtcagca ctggttggga ctgtgcctaa ggcacatcag tgcttcatt 539

<210> 5602
<211> 573
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (502)..(502)
<223> n is a, c, g, or t

<400> 5602
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ggaaaatcgc agtggttcaa ccagaaaaac aaatactgtc ttcaagaact gtccacgagg 120

gcctgaagaa tcagctgaac tctacccact cagtgatgat caatggaaaa tactgttgtc 180

caaagatata cttcaaccac cgttgcttct cagggccata tcttaataaa ggaagaattg 240

ctgagctgcc tcaatgtgtg ggacctggga actgcgttct ggtacttaga gaggttctta 300

ctttgcttat caacgcagca tacaaaccca gccgcgtcct ccgtgagctc cagctggaca 360

aagactctgt gtggcacgga tgtggggaag tcctaaaggc caaatataaa ggaaagagtt 420

accgagctac tgttgagata gtgagaacag cagaccgagt gactgaattc tgccggcaaa 480

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gttctgagaa ttgctctgtc cttacaaaga cca 573

<210> 5603
<211> 478
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<400> 5603
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tttagggagg actgtccaca ggatcgggaa gaattgggtc gccacacctg ggctttcctc 120

catacgctgg ccgcctatta cccggacagg cccacgccag aacaacaaca ggatatggcc 180

cagttcatac atatattttc caagttttac ccctgcgagg aatgtgcgga agacataagg 240

aagaggatag gcaggaacca gccagacaca agcnantcga gtatccttca gccagtggct 300

gtgccgcctg cacaatgagg tgaatcggaa gctgggcaag cctgattttg actgntcgag 360

agtagatgag cgttggcgtg acggctggaa ggacggntcc tgtgactaga agattaccag 420

cagttcgtga ggggcatcta gcctggttct atgggcaaca gcctgattga cgattaaa 478

<210> 5604
<211> 461
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<400> 5604
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ttcatgtgtc attcaatgct tggacctttt aagtttggtt ctaacgtcaa ctttgttgtt 120

ggcaataatg gaagtgggaa gagtgctgtg ctcaccgcac tcatagttgg tcttggtgga 180

aaagcagttg ctactaacag agggtcctct ttaaaaggct ttgtgaaagc tggacagaac 240

tcagcagata tctcaataac attaaggaac agaggagatg atgccttcag agcaaatgtg 300

tatggtgact ctatagttgt gcagcaacac attagcgtgg atggaangtc gatcttacaa 360

actaaaaagt gaaaaaggca ccgtggtttn tactaggaaa gaagagctga ttgcaattct 420

tgaccatttt aacatccagg tggataatcc ggtttctgtt t 461

<210> 5605
<211> 174
<212> DNA
<213> Mus musculus

<400> 5605
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tcaagacaac ttttccctgt catcagaggg cgaggaagag gaggaggacg aggaagagga 120

ggaggaggaa gaagaagaag aggaagagga gcaaatcccg gtgaagggca agct 174

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caacattgca cctatagatg gcattcgctc atcatttaca agtgctaagt ccgtgttcag 120

cacaaaggcc ttggtgaaaa tgcagctttt gaaggatgtt gtgggaaatg acacatacag 180

aataaataac aagtacgaca caacataccc tcctcttcct gtggaggagg tgatacaacg 240

gtcagagttc nctattgggc aggaagtagc ctatgacttg ctggtcaaca actgtgagca 300

ttttgtaacc ttgctgcgct atggagaagg agtgtcagag caggccaacc gagcaatcgg 360

caccatcgga ttggtggcag ctggtattga tatnttcaca ttcctcggct tgtttcccaa 420

aagaca 426

<210> 5607
<211> 472
<212> DNA
<213> Mus musculus

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tgcggctgtc tgggctgagg atgatctatc tccaagcctt tgcacactag acccatgtgt 120

tgccctacct ggaacagctc caccgggcct cactaaccag gagcctcaac tcagcaggat 180

atggaggctg cagagctcag gccccaggcc ggtgagtgac agacgtcgtc ggcatgacag 240

acagagtgaa agatgtcgga accactgacc aacagtccca agttgttcat ggatcacagc 300

tctacagaca ggagaaacct cagctaaaga gaactccttt gggagaatcc agaaatggcc 360

ctctgtcctg gggaatgaat tttgaagaga tatatataca tatatacatt gtagtcgcgt 420

tgctggacca gcctgtgctg aaaccagtcc cgtgttcact tgtggaagcc ga 472

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<212> DNA
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<223> n is a, c, g, or t

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gttctgggga caagcccagc agtgtctccc actctgagta atgaggntgg ttctttacac 120

catntnttaa agagnagcaa tcaagcctcc aaacagcaga gatttagntt ctttttcctt 180

tcagtactgt ttcagatatt tctctttaca aggtttatta gctttagagt ctactccatt 240

cattccttgt actgcccaca cagttgttac tgattgctgg gtttcagaat aagaaccttg 300

ctgttgttaa aagcaaattg agaacattnt cagctttgag acctagagga agatcagata 360

gcattgtgac tgaattttcc ttagaaatgg gagagtagtt aattagtatc agtaagtcaa 420

ggaaagtgta aacatacggt taaaactgga attcctgttc tcttagtctg cattgtgaaa 480

cttaaggtgt gcacctcact tacttgactt agtca 515

<210> 5609
<211> 444
<212> DNA
<213> Mus musculus

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tcacagactc tctcaagcaa gctgtgggcc atgaagccat caagctgctg gtgaacgtgg 120

atgaggagga ctatgagctg ggccgacaga aactcctgag gaacttgatg ctgcaggcat 180

taccctgacc tttccccttc tcacctttct ggggactgtt cgctccgtca cctctggagc 240

tgacatactg ttctggggtt tgttctctac cctttccaac caatcacacc gccttttttt 300

ttttttttt ttaaaaggaa aagacaaagg aaggtggaag tggtgtccct gccctccctg 360

cacccatgtg cctgggcttc cccgtttcct gttgccactt accctattgt gtgtctacag 420

ccaccttacc actgagccgt aaga 444

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<212> DNA
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<223> n is a, c, g, or t

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catttaaatn tcctaactat gatacagagg gaagcattnt acatgcatgg gggtcatgca 180

ctgatgactt tgtattgtta cctatatatg tgatatgatg ggntctntnt tttctatcgt 240

tatcaaagac tcattcttnt ngtanctgtc tggtagtgat naacagtgaa ctataaagac 300

tgctctanca ngaagtntcc caaatgtgac ctggagaacc nggggagact gtgtaatgac 360

tnctgtgtgn tcctatgtga catcaggcaa gtggctttgg ggagcctggt ttcctccact 420

cagtggaagt agtgacaacc tgtagctcag gttattgtct antctgatga ggtagncaaa 480

gcacccagct cattgtcaaa gttcaataaa tatccatctn tcctcatcct ttaactagaa 540

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<210> 5611
<211> 400
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (368)..(368)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgtctgtcct ttcaaatgct tgccttcctg agacttgtaa taggaagggg gtctgtaata 120

acaagcatca ctgtcactgt gactatgggt ggtccccgcc tttctgcctg cacagaggtt 180

atggaggtag tattgacagt ggtccaacat ctcaaaaaag aagagtcatt atcactgtcc 240

tgtcaataac tgtgcctgtt ttatccatcc taatttgtct gctcatagct gggctttata 300

gaatatattg taaaatacct tctggtccca aagagactaa ggcctcttca ccaggttagg 360

aagacatnta gnttaatagc cgcctatgca ctaagtttgg 400

<210> 5612
<211> 78
<212> DNA
<213> Mus musculus

<400> 5612
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tgagtaaata aaccttga 78

<210> 5613
<211> 487
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggtcgtgttg gaaaccttgg ccttgccacc tcattcttca acgagaggaa cataaatatt 120

accaaagatt tattggatct tcttgttgaa gcaaaacaag aagtgccatc ttggctagaa 180

aacatggctt ttgaacacca ttacaagggt ggcagtcgtg gacggtccaa gagcagattt 240

agtggaggat ttggtgctag agactatcga caaagtagcg gtgccagcan ttccngnttc 300

agcantgncc ntgctagcaa cagtngcagc gntggaggca nccntnncan cagcagaggg 360

tttggtggag gtagctatgg aggcttttac aacagtgatg gatatggagg aaattatagc 420

tcccaggggg ttgactggtg gggtaactga gcctgctttg ccataggcca ctctaccaaa 480

caaatac 487

<210> 5614
<211> 599
<212> DNA
<213> Mus musculus

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<222> (431)..(431)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (461)..(461)
<223> n is a, c, g, or t

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<222> (472)..(472)
<223> n is a, c, g, or t

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ttgcacacag cacattcaag ggcttccggg atgaccccac tgttcacgat gggccagaca 120

gaggctatgt gtttggcttg gagaatctta tcagcatcat ggagcagatg cgggatgaga 180

accagtaggc cctgtgctgg gcctaggacc cccctcctct ccacccacag gcagggacca 240

ttgctctgaa cttgctgtga ggacacacag acttgctttt aaagggttat atttctcttt 300

ggtgtaaact aaaagaaatg tttttagctg tagcctggaa tccatatata taaagtagag 360

gagggcagaa catttgtcct ctcagccagg ctccttagct ctgtggctgt gactgctgtg 420

tccaggctgt ntncaggaag gaagaggtgg ccccagtggg ncttgacagc anagagaatg 480

aatgccttga actttggtct cccttgccta aggcgtttgg gatctgtggc tgtggggctc 540

tgctgatggt gaggtgaagc ctcggctggc aacggtctcc atgccatcat ccttatttc 599

<210> 5615
<211> 430
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (364)..(364)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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catggagcag atgcgggatg agaaccagta ggccctgtgc tgggcctagg acccccctcc 120

tctccaccca caggcaggga ccattgctct gaacttgctg tgaggacaca cagacttgct 180

tttaaagggt tatatttctc tttggtgtaa actaaaagaa atgtttttag ctgtagcctg 240

gaatccatat atataaagta gaggagggca gaacatttgt cctctcagcc aggctcctta 300

gctctgtggc tgtgactgct gtgtccaggc tgtntncagg aaggaagagg tggccccagt 360

gggncttgac agcanagaga atgaatgcct tgaactttgg tctcccttgc ctaaggcgtt 420

tgggatctgt 430

<210> 5616
<211> 361
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gggaaaacaa aatcccttgg gaagagtaaa ggaagaaaat acccccccgat ggactctgat 120

agcagagcgt ttctgtccag ctactaccgc gaccacaacg tggagctctc gaagctgctg 180

cacaggctgg ggcagcctct gccctcctgg ctgagacagg agctgcagaa agtgaggtag 240

catggagaaa agaagcagac ctcatctaga gctcacagac gacactacca aaaagctgtg 300

gaacacatac ctctgcatca cagaaaacga gcaaggctct tccatgtgct ggcatgtgga 360

t 361

<210> 5617
<211> 527
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tatcaaatga aaggttctgg agaagcatct tcagantcca ttgaccacag ccctgccaaa 120

aaaagggtca gaacccaatg taaatgtgga gccgagactt gcagaggtta cctcaactga 180

agtgtcagga aacggagctc atgaagaaaa agctcattag aagaaaaaca aaacaaaaac 240

taacaattga aaaagtattt gggantcctt tctattacct acatattgta ttatatgatg 300

ttaatataca gttcatggct caagncattg ccaagtatat tactgtttat tctgaaaagg 360

actgcggggc acataaacgg tagatattng gtggttaaat ggaaagtgaa ctatgtataa 420

atcactgttt gcttacttga gaagtcggaa tagacaatta ttccctttag tgtttgaaaa 480

gtgaggctac cacagttact atgaaacctt ttatcttgac tcaaaca 527

<210> 5618
<211> 373
<212> DNA
<213> Mus musculus

<400> 5618
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tggcgatggc cggcaagcag ccataggaac cagcagccag cgtcccagag agacagtcct 120

cctgtcctgt gcacatctgt tccacaatgc ctgcctcctg gctttggagg agttttcttt 180

aggagacaat gccccttcc atgtctgtcc tctctgtcgc tcctgctacc aaaagaaaat 240

tgttgaatgc tgaattcatg tccaggaagt taaatgtctg actagaacaa gaaaggggta 300

aaggctatcc tgcttttgga tgagctgcat gggtttgggg tagaggacta cattgctgac 360

tgttctttgt gat 373

<210> 5619
<211> 157
<212> DNA
<213> Mus musculus

<400> 5619
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gattttccat gacatgaatg tcaactacaa ggctgtggag ttggatatgc tggaatatgg 120

caaccagttt caagatgcgc ttcacaagat gactggg 157

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctgcagcaga agatgcagga ggaagaggag cagcggagga aggaggaaga ggaggaggcc 120

cggctcgcca gcctgcctgc ctggagacga gacattcttc ggaagaagct ggaggaggag 180

agggagcaga agcgaaaang aggaggagcg gcaaaagctg gaggaaatac agagggcgan 240

agaacagtcg gagaagctgc ggacactagg ctacgacgaa gccaagctcg cgccctggca 300

gcgacaggnt catcttgaag aaggggggaga tccctnaagt antaggangt ctcntcggnc 360

ttcttgcgtg tagcctcaca agttctgaga gatggggagc ggcccccagc ccccgcccca 420

tcctgtcagg ttggtgcgga agggctagga tccttgccgc ccttcccttc ggtgccggaa 480

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acccctgtgt cgcctggaaa aaagtgccca agct 574

<210> 5621

<211> 550
<212> DNA
<213> Mus musculus

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aaaagaaggt attgcctctg caaccatgta tgctggagcc aaagacatgg cttattgcga 120

cacacagcta cgcgtggcct ttgatgggga tgctgtcctc ttctcagatg aatctgaaca 180

tattgccaag gatcacgggc tggacaaatt tttccaacat gaaacactat ttgagaataa 240

gcctcttgct cagggtcctc ttaaaagctt tctggaagat ttagggaaac tgcagaaaaa 300

attctatgcc aaagacgaac gattgctttg ccccatcagg acctacctgg ttacagctcg 360

tagtgcagcg agttcaggtg cccgtgtgct gaagaccctt cgccgatggg gtctagagat 420

agatgaagct cttttcctgg ctggagcccc taaaggtccc atcttagtga agattcggcc 480

ccacatcttc ttcgatgacc aaatgttcca cattgaatca gcacagaaat ttggtaccat 540

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<210> 5622
<211> 578
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ttccacacgg ttttcaagcc agaagcagct tacctgcccg agtgggtggg catcgcngct 180

gacctgggac agccaaacac agtaggctct ggccatgcct cagccagagc ccccaagagg 240

cactgggggg ccttgctgta gtgcacatgc tcagtggntt tccagtcctg tcttcnatgc 300

tttgcagctg agtgaccaca ggtcagtgat gtcacctnac tgccttcctg gtgctctgag 360

cacagtctgg gcttagctga gcagcagcac actcgggtgc tttgagctnc tcatngncna 420

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agtgtgtagc tagggtttct acagctctga taaaacacca tgacagtaaa cangttgggn 540

nnnagagcta ctcagctaca gctacacttc acacacag 578

<210> 5623
<211> 132
<212> DNA
<213> Mus musculus

<400> 5623
gctgtgcacc gctgctgtct tactggctgc acccagcaag acctgttggg tctgtgtccc 60

cactgaagga tcacagggct caggcggtgc gtccttaatt gctccccacc tcctggctat 120

gtcattgcaa ca 132

<210> 5624
<211> 465
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (147)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<400> 5624
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cttgaagatc tatcccttcg tactcgatta ctaaatggcc tcgcccaaca aatgatcagc 120

cttgcaaata atcacagatt agctgtnnnt tnaactanat cagatgacaa caaagattga 180

taaaaatcaa gctttgctng ttcctgcatt aggggaaagc tgggggcatg ctgctacaat 240

aaggctcatt tttcactggg aacaaaagca aagatttgca acattgtaca agtcaccaag 300

ccagaaggag tctacgatac catttcagat cacacctcag ggatttagag acgctgtngt 360

cactgctgcc tcatcacaga cagagagttc tttgaatttc cggaaacggt cacgagaacc 420

agaggaagaa tgctgaccaa atgctgatgc cagtgtatcc agtta 465

<210> 5625
<211> 403
<212> DNA
<213> Mus musculus

<400> 5625
tgaggtcctg agtgaagagc ccattctgaa gtggtataaa gacgcacatg ttgcaaaggg 60

caaaagtgtc ttccttgagc aaatgaagaa gtttgtagaa tggctcaaaa atgctgagga 120

ggaatctgag tctgaagctg aagaaggtga ctgaattttg aaacaacatc ctcagtaaag 180

caaacaggag ttgtagataa aatgtcatgt ctcatgtgtc ctggttctta catcttccta 240

cctccctata tcaagcatga tataagggct ttcatggcaa tttttatttt aactgttttt 300

atggttactg gaaatgttgg ctttggtttc tgaaaccacg tgtgaggagc aagctgcagg 360

agccgtagaa ttgaatctga tgttgcattg gttttcagtt acc 403

<210> 5626
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<400> 5626
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gtttttaaca agctaatcag gcgctacaaa tacctggaga aaggttttga agatgaagtt 120

aaaaagttac tgctcttcct aaaggggttt tcagagtcgg agaggaacaa gcttgccatg 180

ttgactggtg tccttctggc taatggaacc cttaatgcat ccattcttaa cagcctttat 240

aatgagaatt tggttaaaga aggggtttca gcagcttttg ctgtaaagct ctttaaatca 300

tggataaatg aaaaagacat caatgcagtt gctgcgangt cttcggaaag tcagcatgga 360

caacagactg atggagctgt tccctgccaa taaacaaagt gttgagcatt tcactaagta 420

tttcactgag gcgggcttga aggagctttc agagtatgtc cgtaaccagc agaccattgg 480

g 481

<210> 5627
<211> 556
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (515)..(515)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (526)..(526)
<223> n is a, c, g, or t

<400> 5627
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gaacaagaaa agttactgaa gaaaagctgt acgttgtatg ttggaaatct ttccttttat 120

acaactgaag aacagattta tgaactcttc agcaaaagtg gtgatataaa gaagatcatc 180

atgggtctgg ataaaatgaa gaaaacagca tgtgggttct gttttgtgga atactattca 240

agagcagatg cggagaacgc aatgcggtac ataaacggaa ctcgtctgga tgaccggatc 300

atacggacag actgggatgc aggctttaag gagggcaggc agtatggacg tggacggtct 360

gggggtcagg ttcgggacga gtatcgggag gactacgatg ctggaagagg cggctatggg 420

aaactggcac aaaaacagtg agtggggtga gccccaagta cacaggtcac ggtacatcaa 480

cacagtggtg atgctggaga acgttaccca aggtntcatc agtgtntctg ctgtactgga 540

agccacctct ggtttt 556

<210> 5628
<211> 334
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)

<223> n is a, c, g, or t

<400> 5628
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agcaaaattt ctcaaggtgt tcactggagc cccctcccct cgggccagct ctagtgtagg 120

catgcatcta gggatggcct ggcctgtttt cttctctgga catgttggtt ggctgaagtt 180

gtaacctgct gcacgcttgt gggctgacat ggccagaggc tttcatctca ccatgtgagt 240

gatgcctacc cgatgacaga agtgttgtgc gactgggctc tnccctcncc ctcccagncc 300

acccctttaca gacactggta tcatctggta cact 334

<210> 5629
<211> 409
<212> DNA
<213> Mus musculus

<400> 5629
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ttacaggtta tttttagaac tttcaagcta aaagctcctt ccctcttctg atgttgtatg 120

tgaacatggg cccctcagct agtcctggcc agtgagatat gcttcccagc catatccagt 180

gggtctctaa cctcctgtct agcttatctg ccactgtctg gctaggcttc agccacagaa 240

atccaacttg aatacagaag gtatccagac ctggtgcttg gttggccagg ccccacatta 300

gccctcactg ctggaggctg ctttccacat cctcttgttt agtaccagca tcatgggtct 360

tactccaggg gctgttcttg ttgatagacc ttcatcacag agcccagag 409

<210> 5630
<211> 521
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<400> 5630
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gaaaaatgac tggcatggag gtgcaatcgt gttgagcttg agccaaaccg ggtctctctt 120

taagtccaga acagcctatt tgccgcatga gctgctggga aaggaaggat ttaatgccct 180

ggagcctttt cttcccatcc tcattcccaa ctataatcca aaggagtttg aaagttcctt 240

ccagtactac ttagagaaca actggcttca acatgagaaa gcttcaacag aagaagggag 300

gaaggagctg aggttcctga gtaactgcaa ccctgagcag ctggagcggc tctgtgcctc 360

gctgtaagca cggacagcgg cggtggcatg ctgggaagac aggcttcctt cagctaccgt 420

gcgcgcatga ggaantccca aggttccaag ctgaacaccc tgacctgcac tgatggatat 480

gaaatgatag gatgttgttg tcctacagct aacaccagtt t 521

<210> 5631
<211> 494
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<400> 5631
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gagggaatta caacagaggt ggaatgccca acagagggaa ctataaccag aacttcagag 120

gacgaggaaa taatcgtggc tacaaaaatc aatctcaggg ctacaatcag tggcagcagg 180

gtcaattctg gggtcagaag ccatggagtc agcattatca ccaaggatat tattgaatac 240

ccaaataaaa cgaactgata catatttctc cnaanacctt cacaagaang tcgactgttt 300

tctttagtag gctaactttt taaacattcc acaagaggaa gtgcctgcgg gttccttttt 360

tagaagcttt gtgggttgat ttttttttt tnctttttctt ttttgtacat ttttaattgc 420

agttttaaag tgaatcgtaa gagaacctca gcattgtgca cgataagaga atgtgtcagt 480

atttcagggt tcta 494

<210> 5632
<211> 520
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<400> 5632
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ngaaggatng tngaggttgt anatgatgat tggcttgcca ggagctggaa aaactacctg 120

ggttactaaa catgcagctg aaaaccctgg gaaatacaac attcttggaa caaatacgat 180

tatggacaag atgatggtgg caggttttaa gaagcaaatg gcagatactg gaaaactgaa 240

cacactgttg cagagagccc cacagtgtct tggcaagttt attgaaattg ctgcccgtaa 300

gaagcgaaat tttattctgg atcagacaaa tgtgtctgct gctgcccaga gaagaaaaat 360

gtgcctgttt gcaggcttcc agcggaaagc tgttgtagtg tgcccaaaag atgaagacta 420

taagcagagg acacagaaga aggcagaagt agaggggaag gacctaccag aacatgctgt 480

cctcaagatg aaaggaaact tcacccttcc agaggttgca 520

<210> 5633
<211> 448
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<400> 5633
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atagtgttca gaaaactctg gatccaaaat gtggcatttt tctgagaatg aagattatac 120

attaagaagc ttttaaaata tacttggtgt tcaaattggg atgtgtgttc ctagaagtgg 180

taattcatac tgaccatgac ttcaagttgg aagagaaatg tctgaggagg gagggttccc 240

tgagaccatg gagactggtt atccttcctg ccagaattcc tatccagact gtgttgcaat 300

atgctaatct catttataga gaaagtgcat aaaagctata ttttgaagaa tgagtggttt 360

caaaagaaaa cttctnccct nccctgtntc cnccttctnt cctgtggata ctgaagcatt 420

gggttgcgaa ctatctgtag aactgaca 448

<210> 5634
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(379)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<400> 5634
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accctggatg ccctggacca ttcagatttt caggatactg acattccctt tgaggtgccg 120

ctcccagcca agcagcacgt cccggaggcc cagagagaag aggtccgaga ctgggtgctc 180

acagtctcga tggaccagag actggagcag gttctgcccc gggatgagcg aggtgtctat 240

gaggcttccc tagttgccgc gagcactgga gttcgggcac tgccctgcct catcancagg 300

ttaccccatt ttgaggaaca aaattgaatt taagcggcct gggaaggctg ctaacaaaga 360

caactggaac aagtttnnnc ttatggccat caagacctnt cacagcccag tgtgccagga 420

cgtgctcaag ttcatcagcc agtggtgcgg tggtntccct agcaccagct tttcctttca 480

gtgactggcg cagccgagac gctta 505

<210> 5635
<211> 446
<212> DNA
<213> Mus musculus

<400> 5635
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aaatgctata tctagtttac ctagcagaag cttgaccctg cgatagtatg gacctttgga 120

cagacttagt ttttgcacat aaccttgtac aatcttgcaa aagaggccag caacataaga 180

tatatatctg gactctcctg tattatagaa ttttttttctt gttctgagta tccttgacat 240

tacaattgtc aaaaatggta tttcagatct ctttctgaga ccttttaagc taaaataaca 300

tgcaagaatt gattttacag ctactaattt tgacaccttt tagacctgta agagtgttgt 360

atcagagcaa caagcacagt tgagtgctgc gtttgggata tttagtttcc tctttagttg 420

agcaccactg ggtgtattca tttata 446

<210> 5636
<211> 101

<212> DNA
<213> Mus musculus

<400> 5636
gtataaaaca taaggctggg ttccaaaata cttgcttttt agtagcttgg tgccatggat 60

tatcctgttg agtctatgtc atgacaggat aggaaaacac a 101

<210> 5637
<211> 257
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<400> 5637
aaatgatgaa tgctccagaa actgggttgg taagcacaag atagaggcaa ggcagtgtaa 60

ttttaaaagg actttgctcc tttcaatttt ccttagcttg tctgagatac tgacctgtac 120

attttgaaca tattaaagag taactaagta ttctgagcag aaatagcagc atttggtgta 180

gttgcacttt tgatttgatg ancctgtgat gtgctagatc cctttaacta atgtatatgt 240

ccattttgca ttttatt 257

<210> 5638
<211> 493
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<400> 5638
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aactgtttaa aaaatgaaat caggaagctt gaagaagacg atcagacgaa agacatttga 120

gcaactggcg gtaagtcggc tgcagagccn ggggcgccgc ggagggactt gccacagacg 180

ctgcggtgtt tctgggagga gctgcgagcg cggtccccag ccggccgtgg ctttctcaga 240

gaggactccn aggtacccac actgtcaggc tgcctcccgg ggcacatgtg tgctctnnaa 300

gactcgatgc tgggtagcat tccacgacgt taagcacaac ttttaaagtg tttgttttgt 360

tttaaattga actctatgtg tagtttatcc tcctcaggca ggcgtagcgg ttgtgttgta 420

aagtctaacg tgtgcgggtt ttgtacctct ntcctaggta ggattagtga ctggtatgtg 480

tgtttagttc ttc 493

<210> 5639
<211> 482
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<220>
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<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

<400> 5639
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tggnagatga cctcgtgctg agggaggtgg tagctgcaga tccaggagga gcggggaccc 120

cagaggccca aggccagtgg gcatggccac ttgctgcctg tggttgcctg tgtgaacact 180

gggaagcagg atctgactgt ttagcatgag agaataccca gctcggccct ggtctggctt 240

ctatagatac atagtgtata cttgtgtaga ctttgcatat atacggattt gtagtatttt 300

cctgttttga tgtctaatct gntatctata atgtacccta gtantcggac atacttttga 360

ttgtacaatt gtacatttgt atacctgtaa tgtaaatgtg gaggagtttg atcaacacga 420

acacgttttt ggtaagaaga gaatcancca ncccgtncac tctgtatatc ccacctttta 480

tg 482

<210> 5640
<211> 533
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<400> 5640
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acaaactcag gaatagtggc ttcttttatg atccaattga aagagatatt gaggtaggat 120

tcctcccatg gctaatgaat gaagttgaaa aatccatgga acacagcatg gtgggaagaa 180

ctgtgcttga catgttaatn cgcgacgtgg ttgaaagaag gatcaacgat tacgagcaca 240

aggaagccat gccgcctggt cagaagacaa atgtgattaa tggtcctaac acagtgacag 300

atccctcggt gannnnnnnn nnnnnnnnnc cacattgcac acgcagaagc cagttttaga 360

cagantctcc tcacagccag caccatccca agaaaggaag cctgtggaag agggggggaca 420

ccttatggca gagtgaccaa gagccagaga gcagctcaac atntggtcag ttataatgca 480

aggcaggcac atgacccatc caggctttac aaactgtgat actcagccac taa 533

<210> 5641
<211> 312
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<400> 5641
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gaaatggatt cttgtcctgt tgttggagag ttcccctctc agaatgatat aaacttgtcc 120

gaagcgccac ccttgccaca acctgaagtg attcacaaca tgactgagtt caagcgtggc 180

ctgccactgt ttcccctcgt gaaaccacat attaacttca tggctgcaaa actctgaaga 240

aagtagacat gttcctgtnt cttccagggc ctgggaaaac antntcagct ttgagtagtt 300

tctggcttgc ta 312

<210> 5642
<211> 435
<212> DNA
<213> Mus musculus

<400> 5642
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tcgccatttt gtatcagctg gacctgccat tctaggatta tgaggccacc ttggaggagg 120

aagtggtgtg gtacacactt gggtgacatc ataacatgct tccagatcat agtgttcagt 180

gtcctctgaa gtaactgcct gctgcctctg ctgcccttga acccatgtac ggtcgccaga 240

cagggaccag tgagctcccg accccaaaca tgcagagtgg gggccctgtc ttctttgtgt 300

gtaattgcca aacgtctaaa gcttcatgtg ctgggctgtg tacatatttt atggatttaa 360

cactggtaac tgcatatttt gatgccaaca aagttttagg gatacaatgg taccttgcca 420

acatcgagtg acttt 435

<210> 5643
<211> 346
<212> DNA
<213> Mus musculus

<400> 5643
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gatgagatcg ctgggacaga accccactga ggcggagctg caggacatga ttaatgaggt 120

ggatgctgat ggcaatggga ccattgactt cccagagttc ttgaccatga tggccagaaa 180

gatgaaggat acagacagcg aggaggagat acgagaggcc ttccgtgtct ttgacaagga 240

tgggaatggc tatattagcg ctgccgagct gcgtcacgtc atgacgaacc tgggggagaa 300

gctgacagat gaggaagtgg atgagatgat ccgagaggcc gacatt 346

<210> 5644
<211> 477
<212> DNA
<213> Mus musculus

<400> 5644
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gtcaggagag tgacttttaa atgtatgtat ttcaggcttt caccattaac agattgcata 120

tatacaatcc attgactttt aataaattgg tagttgatat tttattgaat ggagaattac 180

gaatatagat tataaattct gtctttaatt gacctttttc ttgggcgcta ttttaatgat 240

ttaagtagga gttatatttt cagaaacttt ctagacagtt tggaaatttg ggtgctatat 300

gaagaaaagc atttgaggct gtatcatatt tcagatataa acaccttgtt ttcttgaatg 360

ttttatttat tggtttttaa aaaaaacttt tctgttatca agatggtgcc tgttaaccta 420

aacacagata tatttattat ataaattgca aaatatttct tagctacttg tgaacag 477

<210> 5645
<211> 475
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (392)..(392)
<223> n is a, c, g, or t

<400> 5645
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gaaggattcc ctntcatcga gaccagtacc ctgactgagg aaggtntcat tcaagttaaa 120

acagaggcgt gtgacaggct tttggctcac cgagtagaaa cgaaaatgaa aggaaataaa 180

gtgaatgagg ttctnaacag antgcattta gctgtgcccn acaagagaga tgataaggag 240

agacccccct tcatcccaga aggagtgata gctcgaagga agagaatgga gattgaagag 300

cccaagaaga agagggagcg agatcttgag ctggaaatgg gagatgatta cattttggat 360

cttcagaaat actgggactt aatgaattca tntgagaaat atgataagat accagaaatt 420

tgggaaggcc acaatgttgc tgattatatt gatcctgcta tcatgaagaa attag 475

<210> 5646
<211> 485
<212> DNA
<213> Mus musculus

<400> 5646
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aacagggttt tactgtaagc tgtgttcact cttttataca aatgaagaag ttgcaaagaa 120

tactcattgc agcagccttc ctcattatca gaaattaaag aaatttctga ataaattggc 180

agaagaacgg aggcagaaga aggaaactta agatgtacaa gaagcttaat tcaaagaaaa 240

cgatggttct ttgattttaa tgttaacctt ttttaaaata caatactgat agttagaaaa 300

ctactgtaca cttttgtttt agtggaaaat aatagatgtc tgttgtgttt aagtgttata 360

gcaaaaagta cacatacggt taagttaatg aaaatgtttt tgtttcatcc gagtgacaac 420

agacaaaagt acttcctaaa gattgactgt tgtaagctat ggaaaacaac ttgcaccact 480

aagag 485

<210> 5647
<211> 231
<212> DNA
<213> Mus musculus

<400> 5647
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aatttttttc tcttgagttc ctgctaggtt ttatattcta gtagtcaatg ttatttcagt 120

gaaatgtaaa aatattcccg ttctctttga ccagtattaa tttcttgaga acctattgcc 180

tgtcacttga atcctgtagc tgtcatacat ctctggtata agcaacattt g 231

<210> 5648
<211> 342
<212> DNA
<213> Mus musculus

<400> 5648
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atgcatttta tatctgtaaa accatactca gaactgttta cgtagaactc agctgtcctg 120

tgctgccaca gcaccaacca caatgctttg ctccctgagt aggagtcctc gtccgtgtgc 180

ttatacccgg cactcgtctg agcctgtgat ggcagagcct ctgtcgaagg ctgcactgag 240

ggctcatggg agctctttag aggaattctg gccttagagt tagccccagg agttgtgcgt 300

gcagctctgc actgtacagc gtgttcctgt cacacagtgg ac 342

<210> 5649
<211> 439
<212> DNA
<213> Mus musculus

<220>
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<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<400> 5649
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gtcactgtcc aggagacccc agccctccaa ccttcccctt ggggtgccca cttccagtcc 120

tggcttcagg ctactgctga gaggtggctg ggaaccagga atnggggcta ggaccccggg 180

gntgaaggcc gtgccaaccc tatccccact atcctcaaga gggaccagga aggattgggt 240

tatagatccc caccccaacc ccgagtcaca cactttgcag cgcgggatac ccgggctgnn 300

tnntgggaga gagagagtcc ctcgagttgc cacactgant cagagggaga acagaaggca 360

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actgatatgg actggccct 439

<210> 5650
<211> 413
<212> DNA
<213> Mus musculus

<220>
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<222> (50)..(50)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

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tttgagatct acaggctcat gaggaaggag aacaaaaact gctggggtga gtatcaccct 120

tacaataatg tgctgtggct gcattacctc acagacaaga ttctgaataa gatgaaattt 180

aagactaaat gccagagcgc agccatgaag caaataagga aaaacctgca acatttccac 240

aggactgtac tgagtttcag ctctgccacg gacctgctct gccaacacag tctatttagg 300

taagccagga acttagactt tcagagcctc tttaagtaca cttttagncc tctggtacta 360

atctctncca ctagagccna gatggaggtg aaagcacatc cttaagagtt cct 413

<210> 5651
<211> 572
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

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gctcggcagt ttccccggtt ctgatggagg ggtgaagctg agcagctcac accagggcat 120

gggggatgag gaggcttaca acatggacac caactgatgt ggcctctgtg accctgccac 180

cctcccaaca ccagcatcct cccccaggag aatatctgtg gcactcttga agactgctca 240

tatcaatctc aaaccagatg aggacattac ctccttttat gagaagagga aggnaaagag 300

aaaccctgct ttctgagaag ggctctatgt taagaggctg gattattttt tcttttaaac 360

gggtggtgag agaaaaacct gtggagctca attgtgggct ggggtttggt gcacagtggc 420

atgtgtctca tggattccaa agagtggaga ggaagaccct gcaatgagca tggtgcagcc 480

atgaagaccc acctgcaggg ctgctccgaa ctgggttttg gattctggtg cccacactgc 540

tcaccccagt agtctggcca cagtaaacca ag 572

<210> 5652
<211> 362
<212> DNA
<213> Mus musculus

<400> 5652
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agggcctggg gaagccagaa ccaggggagc tgcccacaag gctgggtcta aagacagatt 120

ttgctctccc aggacagagg agcatcacat ggcttcatcc atcaaacagc cacactcgct 180

gggcctgtat tttattgcac actaaattgc tagcaatcta tgcaaacatg atcttttaaa 240

caaacgccac agcacagtgc cttgtactag tgttaacctg ttcagctgtg ttagatgcca 300

gggtttccat tttcagggct ataaaagtat tatgtggaaa tgaggcatca gaccaccgga 360

cg 362

<210> 5653
<211> 469
<212> DNA
<213> Mus musculus

<400> 5653
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tccatcccag atgggttcac ccatgggaaa tagaacaggt tctgaaactc cccaggcacc 120

gatgagtggt gtagggcctg taagtggtgg tcctggcggc tttggtagag ggagtcaagg 180

gggcaatttt gaaggcccta ataagcgtcg gagatattaa ataatggttc attcctgact 240

gtttagaaaa acattcaatg gtatgtcttt acaccatgtc tgttactagg gagaaatggt 300

tttactgtta atgtatgtag actaaagttt ttcttttgta aaacttgagt ttttttttgta 360

ttttctttat tcataagctt tgtagattag cttggtgaaa aagatgccca tcattgtgaa 420

tgttgaaaag tgtttgtgac cttagctaac gatagctatg tggcattat 469

<210> 5654
<211> 429
<212> DNA
<213> Mus musculus

<400> 5654
gggtactgac agactccttg gagtatgtat atataaaata acaaacttgt attcatattc 60

tttcagtgat gtgttgttct acaatccaga atggcttttg caccattttt taaaccagtt 120

ttccccccctt tgccgttggt accagagttg ctataaatga ctgctgcttt aagggttaaa 180

tattttgtta gtgaagatac aaccagaaca ctaaattatg ataaaacttt ctgactgagt 240

gataggtaaa tttagttggg ctatattcaa aattatttta ttatcaaacc cataccattt 300

gttttactgg aaaaggaaaa gtggtttgct ttttactgct ggatcatatt ttgtgtagta 360

aagaaattct ttggtcaatg ttgtaatctt tatatttcaa ttttaaggtt tccttatctg 420

tattatagt 429

<210> 5655
<211> 460
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<400> 5655
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tcacagggac agacctgggg acaaacacaa gccctcagca tcactttgaa cagaattcca 120

tcatccctgg tccccctttc ctctttggag cctgttcggt actgctggct ctgctcgttg 180

ccttgtttat tccggaacac actaatttaa gtttaaggtc cagcagttgg aggaagcact 240

gtggcagtca cagccatcct cacagtacac aagcgccagg agaggccaaa gaacctttac 300

tccaggacac gaatgtgtga cggaaatcag gaagacttct ctctctncgc agcacccagg 360

tcttagtttt cacctgtagc tctggatgta cattccattt ccatctgcag tgtactttaa 420

gactntnctt aagaaatact tgcatgaact ccgtgggaac 460

<210> 5656
<211> 445
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<400> 5656
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aaggcagcat cctccgtcac tgctggagtg gccagttcac tctcagagaa aatagtcgat 120

acccttggga acagtcggcc aggggcgccg cttacctcag tccagatccg cttcattcag 180

aacatgatac aagaaacact ggatgacttc agggaagctt gccatagaga cattgtgaat 240

ctgcaagtgg aaatgattaa acagtttcat atacagctga atgaaatgca ctctttnctg 300

gaaagatact ccntgaatga aggcttagtg gctgagatcg aaaggctgcg agaagaaaac 360

aaaaggctgc gggcccattt ctgaagactc tgggcacctt gatttgttat gagttaggat 420

gtttctggca actataatac acgga 445

<210> 5657
<211> 405
<212> DNA
<213> Mus musculus

<220>
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<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

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aacacaacca acacaatttg ccctgataat tatcaaacag cacagctgct tgccttaatt 120

ttagagttan ctcacatttt gtgtggaaca tcacacatac cacataaaaa actacatcat 180

gaacaaggac ttgctaagaa gagtcttggt gttgatgaat tcaaagcaca cttttctggc 240

cttgtgtgct cttcgcttta tgaggcgaat aattgncctg aaagatgaat ttnataatcg 300

ttacatcacc aaaggaaatc tttttgancc agttataaat ncccttttgg ataatggaac 360

tcggtacaat cttttaaatt cagctgttat tgaattgttt gaatt 405

<210> 5658
<211> 521
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (444)..(444)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

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agaagcatgc tgcctatgcg tggccctttt acaagccagt ggacgcggag gcgctggagc 120

tgcatgacta ccatgacatc atcaagcacc ccatggacct cagcacggtc aaaaggaaga 180

tggatagccg agagtaccca gatgcacagg gctttgctgc tgatatccgg ttaatgttct 240

cgaattgtta taagtacaac cctccagacc acgaagtggt ggccatggcc aggaagctcc 300

aggatgtgtt tgagatgagg tttgccaaga tgcccgatga gcccatggag gcnnctgcnc 360

tgcccgctcc cacggccccc atcgtgagca agggggctga gagcagccnc nagtagtgag 420

gagagntntt cagattcagg cagntcagan tcagaagagg agcgagccan tcggctggct 480

gagctgcagg agcagctgaa ggccgtgcac gaacagctgg c 521

<210> 5659
<211> 463
<212> DNA
<213> Mus musculus

<400> 5659
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cggcgagaag ctagggcgtg tggtgcacat cattcagtct cgggagccct cgcttcggga 120

ctcaaaccca gacgagattg agattgactt tgagaccctg aagccaacca cgctgcggga 180

actggagaga tatgtcaagt cttgtttaca aaaaaagcag aggaaaccat tgtcaacaag 240

cgggaagaag caggcagcca aatcgaaaga ggagctagct caggagaaga aaaaggagct 300

ggagaagcgg ctgcaggatg tcagtggaca actgaacagc aaaaaaccca ctaagaaaga 360

gaagtccggc tcagctccct caggaggccc atcaaggctc agcagtagca gctcctctga 420

gtctgcgagc agtagctcca gtggatcgag ctccgacagc agt 463

<210> 5660
<211> 575
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

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<222> (389)..(389)
<223> n is a, c, g, or t

<220>
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<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

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<222> (474)..(474)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (517)..(517)
<223> n is a, c, g, or t

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<222> (543)..(543)
<223> n is a, c, g, or t

<400> 5660
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cgattctgat gggagcggga ccatcgatgt gaaggagctg aaggtggcca tgagagcact 120

tggctttgaa cccaggaagg aagagatgaa gaaaatgatt tcagaagtag acaaagaggc 180

cacaggaaag atcagcttca atgacttctt ggctgtgatg actcagaaga tggccgagaa 240

agataccaaa gaggaaatcc tgaaggcttt caggttgttt gatgacgacg aaactgggaa 300

aatttcattc aaaaacntca agcntgtgnc caatgagctg ggggaaancc tcacagacga 360

ggagctncag gaaatgattg atgaagctna tngtgatggc gacggagaag tgaacgagga 420

agagtttntt aagatcatga aaaagaccaa cctttattaa gtgactggct gagntccctg 480

cttntgcttt tgtgaaagta tgacagaaca gctgtgntct gttccttctt cctgcctcct 540

ttntcttggt tggcttctaa gcctctagat caatt 575

<210> 5661
<211> 262
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(118)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (120)..(121)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (123)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(128)
<223> n is a, c, g, or t

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ccaatgaana aanctgtgca gcattcactc ccctcccccc tcccctcccc tcccnnnncn 120

ncnncnnngt agagatgtgt ttgatcagca agtcaggagt caaactgctg cctttaaaaa 180

aacacacaaa aagctgattc agttcaaaat taatgcaaat ctttcaaaac tgggtttctg 240

atacttgtgg atgtttttct tc 262

<210> 5662
<211> 436
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<400> 5662
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ttttcctggg tttcattctt tctagtgtac tagatccaga aatttagtgt gatgccctgc 120

tttctctttt ctttgactta acattggttt ctgaaagaat ctttgctacc tagaacctgc 180

agtctgtttt atggcaacac tggataatgg ctttttgaaa ttgaggggga aaaattggag 240

catctgtaaa cagaaatgcc aaattattga tagtcatcgt tgctgcttca cattagtatg 300

agactgatgc agaaggaagc ccattcttcg tgttcagtgc tggggntggg gtggggactt 360

ttcttaaanc gaaaataatt actgctattt taaaatntct tgattattga atgtgagacc 420

ctctgacatg atttga 436

<210> 5663
<211> 256
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<400> 5663
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gcagggcnat cgcgtttata cgctgaagaa atttgaccct atgggacaac agacttgctc 120

cgcccatcct gctcggttct ccccagatga caaatattca agacaccgaa tcaccatcaa 180

gaaacgcttc aaggtgctca tgacccagca accgcgtcct gtcctctgag ggctcgttaa 240

tcttttacgc tgctca 256

<210> 5664
<211> 510
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<400> 5664
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agaacgtgat ctaggaaaca ccattacaac cccatccacg ccagagttac agggcatcaa 120

tcccgtgttc ttgtccagta atcctagcca ntggagcgtc gaggaggtct acgagtttat 180

tgcttctctg caaggctgcc aagagattgc agaagagttt cgttcccagg agattgatgg 240

acaggccctt ttattactta aagaagaaca tctgatgagt gccatgaaca tcaaattagg 300

tcctgctctc aanatctgtg ccnannnnna atgntcctca aggagaccta agtgaccctc 360

tgcacaattc agactaaggc agaaggcctg gctgttcagg ttataacctg gaagagctgt 420

tccttttgtg tgacctgtgg ggtttggagg cagaactctt aaggattggt tgctggtgct 480

acatggtgac agctttgata ccttctctgg 510

<210> 5665
<211> 509
<212> DNA
<213> Mus musculus

<400> 5665
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ctttgtcttg tacttctgtg ttcattctcc tcccccaccc ccaatttttg ctagtgtgtc 120

cactatccca atcaaagaat tacagtatac gtcaccccag aacccgcaga tgtgttcctg 180

gcccgctctg taacagccgg ttagaattac catgacacac acatttgcct ttccacagta 240

ttcgaaaaag aacttgcatt tctattacct tagcaggaaa gatctggttt tgctccactc 300

catgcaggag cggactttgc tggtgtgaga gtctgagtac agctttctag caaccttctg 360

tttcctttca cagcattgtc cttgctgtcc tcttgctgat ggctgctaga tttaatttat 420

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tgtttttttc ctcgtgtaac attggtgaa 509

<210> 5666

<211> 576
<212> DNA
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<220>
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<222> (324)..(328)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (507)..(507)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (550)..(550)
<223> n is a, c, g, or t

<400> 5666
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tcttcagata aagggaaaag tgaactccat cactgtcgat aactgcaaga agtttggcct 120

ggtgtttgat catgtggtgg gcattgtgga agtgatcaac tccaaggaca ttcagatcca 180

ggtaatgggg agagtaccaa caatctccat taataagaca gaaggatgcc acctgtacct 240

cagtgaagat gcactagact gtgagatcgt gagcgcgaag tcgtccgaga tgaatgtcct 300

ggtccctcag gatgacgatt atannnnnat tccccattnc ccgagcagtt caagacaata 360

tgggatggct ccaagctggt caccgaacct gcagagatca tggcctgaca tccaagaana 420

tagccttccc tgagtntcct ntagcgaaca gaagcaagca gctaatagga gctagatttt 480

accatagccc cgacgcccgt gtccgtntcc gaatcctgca gttctgtgcc atggaaaaca 540

gtatcttttn tggcaggctt ttatgggcgt tttgaa 576

<210> 5667
<211> 475
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<400> 5667
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gccgaccttc tccctctcag tgcctctgtt gagttcatta atgtccctgc gcagatgccc 120

caccccccta cgagattcca gatcaacttc acagagtacg actgtacccg gaatgagctg 180

tgttggcccc aacttctgta ccctctgacc cagtattatc aaggggagcc ccagtctcag 240

tgtgtggcca aaggcctgat gctgctgtca ctcctcatgc tggccatcct cctcaggcac 300

ccctgggtca ggatgtgcaa agcccgggac tcagctgcca tctaccatta agtttcctgg 360

aagactcagg gcatccactc agcggntcct catcggccct tgcgcctntc tgaaacctgt 420

cagtttgaga caggtctntc cacatatccc tggcttgctt ctaagctcac agaga 475

<210> 5668
<211> 439
<212> DNA
<213> Mus musculus

<400> 5668
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ttcaaactcc ttttatttat tcctgttctc atgctagagc ccaggttctc catctgtatc 120

ctcctagtag ctccttccct ccagggaagg atcaggcaac ctctggtatc ctagatgctc 180

aatgcctaga acctgccagg acttcaattc tgggatattc cctacagaca ttttgacagg 240

ctttgaggtt ctacatcctg gtcccaggct cccaaccccc agttgagtag ggacctctcc 300

actctacagg ccaagcctag ctatattaaa ctcatagttt ttaggagctt cagaccattt 360

gcttttgtgc tgctagtccc ggaaaggcat gagaaattgt taccagacag caccttgctg 420

ggtttcactc cttgaagaa 439

<210> 5669
<211> 441
<212> DNA
<213> Mus musculus

<400> 5669
tccagatact tctgcagctc gtctgcgccc cggaagctgc ccctgctcgg gggtcacgat 60

gggcagcaag atggcttccg ccaccagggt cgtgcaggta gtgaagccac acgctccatt 120

aataaagttc cctaacagaa gagacaaacc taaactcagt gcctcagaag ctttggggtc 180

tgcagcgctc ccctcccact cctctgcaat ttcacagcat tctaaaggaa gtacgtcccc 240

cgatttactg atgcaccagg ggccaccaga cactgcagaa attataaaat cattacctca 300

gaaatacaga aggaaaccta tgtctcaaga ggaaatggaa tttatccagc gtgggggtcc 360

agagtgaccg tcgtggctgc tgcttgtcac cagacagaag ggttagcttt acaataaagg 420

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<210> 5670
<211> 469
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<400> 5670
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agaggtggat gttgaacagc acactttagc caagtacctg atggagctga cgctcgtcga 120

ctatgacatg gtgcactacc atccttctca ggtggcagcc gctgcctctt gcctgtctca 180

gaaggtgctg ggccaaggaa aatggaattt gaagcagcag tattacacag gctacatgga 240

gagtgaagtc ctggaagtca tgcagcacat ggccaagaac gttgtgaaag tcaatgacaa 300

ccgtaccaag ttcatcgctg tcaagaacaa gtatgccagc agcagactcc tgaagatcaa 360

gcacgatccc tcagctgaac tccaaaatca tcaaagacct ggcntcccnt ctgctgggca 420

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<210> 5671
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (504)..(504)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (506)..(506)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (509)..(509)
<223> n is a, c, g, or t

<400> 5671
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aaggcccgtc accactggct ggtcttaccg tgggcctcca tttccagtct gaaggttgtg 120

accagtgaac accttgaact tctcaaacat atgcacgctg tgggggagaa ggtgatagca 180

gattttgctg gatccagcaa actgcgcttc cgattgggct accatgccat tcccagcatg 240

agccacgtac atcttcatgt gatcagccag gattttgatt ctccttgcct taaaaacaaa 300

aagcattgga attcttttaa tacagaatac tttctggaat cacaagctgt gatcaagatg 360

gttcaggaag ccggcagagt gactgttaaa gatggcactt gtgagntntt gaagctgcnt 420

ntccgttgcc atgagtgtca gcagctgctg ccttccatcc cgcagctgaa agagcacctc 480

aggaagcact ggggcgggtg acantngtnt cggcgaccaa gggcagtgct agcatct 537

<210> 5672
<211> 534
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(442)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (480)..(480)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (507)..(507)
<223> n is a, c, g, or t

<400> 5672
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catctttcag ttttaaggcc atgtgtaaag tttaaccata tgtacaanta cctattctgt 120

attagaaata gctagttgaa acttaatact tctcaaaact catgttcctg tgtccacaaa 180

ctaagtttat atgtgaactt actgagtctt tttgtgtcat accaaaataa agcaaggact 240

tatttttttt cccaaagcca atacaatttg agccaatccc tcaagatggt cactttacac 300

tgaaagctga gctcagcagg agcactgtgg gaaacaaagc attgactnct ngagtacaga 360

gtttaaaata gacttttctt ttagaactag aattagagta gttaacgttc atccnccaac 420

cattgttacg tgtgcatnac nngtcgctct tgtggtgata gantcttatt tatttttatn 480

ccagcttata ctgtgagaac tcattantca gtttgggtct catcaaccct gcta 534

<210> 5673
<211> 442
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<400> 5673
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tcgcagggca tccagcagct actgcaggcc gagaagcggg ccgccgagaa ggtgtccgag 120

gcccgcaagc gaaagaaccg gaggctgaag caggccaaag aagaagccca ggctgaaatt 180

gaacagtacc gcctgcagag ggagaaggag ttcaaggcca aggaagctgc ggcattgggc 240

tcccatggca gctgcagcag tgaggtggaa aaggagaccc gggagaagat gaccgtcctc 300

cagaactact tcgagcagaa cagggatgaa gtcctggata acctcttggc ctttgtgtgt 360

gacatccggc cggaaatcca tgaaaactac cgcataaacg gataggaggt ggaagcgcct 420

gctctgtggg ttggcatgag at 442

<210> 5674
<211> 495
<212> DNA
<213> Mus musculus

<400> 5674
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tttaccatga gaacctgtct cttaacccac ctcaagatcc acttcagacg tcaacccaac 120

cagcacttct gctgcaaaga gtcggcccac tcatccaaca cactcagaat gcaaaagatc 180

tacacttgcc ccgtctgtga cagctccttt aggggaaagg agagcctgct ggatcacttg 240

tgctgccaaa gaccaatcag attcagtaaa tgctgggaaa tcctgggtca tttgctcggc 300

tatcttcatg aacccgtggt gctgggaaat atttttaaag taagggactc ctcgggaaag 360

aggatggaat ccaggaggag aagacggaaa cgtgcctgca ctgagaatcc tgaaacagaa 420

ggcctgtctg ggaaaggtag ggtggctccg tgggaaatgg agggtgccac cagccctgag 480

agtcctgtga cagaa 495

<210> 5675
<211> 522
<212> DNA
<213> Mus musculus

<400> 5675
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actgtaaaac tccttctaac ccaactggga tggaaaggag atatgggatc ccccagggtg 120

aagcactgga tatttaccag ataattgaac tcaccaaagg ctccttggaa aaacggaagc 180

cagcctggac cctagctctg tctggaggtt ctgtatttgc tcctgtggag ctttattgga 240

gcggtgcagg ttcctaaact caggctttca gatgtgcttt tttgcaaaag gcagccattt 300

ttctgtagca ggacctgccc aggaaagtcc tcctaacgga aggcacaatt cagtgcgttc 360

agaaccagga caccaacatc agtgcaggct gtgtgacaag gggtactgtt gggcacaaat 420

gaagcagatg ccccaaaggt cacattaact caggcatttc ttcctcctct tcttggctgg 480

ttctctgtcc tgctgtgtat gtgctgatgc agtgccctag aa 522

<210> 5676
<211> 487
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<400> 5676
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aaaatgtcat taaggaagca tccaggttta agaaacgaat gctaatagaa caactggaga 120

acttcttgga tgaaattcat cgaagagcca atcaaatcaa ccatattaat agcaattaaa 180

agaaaataga atgaggccac ttatttcatt gtcttctcca aatacaaagt aaatacaaga 240

ctgttgtaat cttgtattca ttctttgaca tgcattgtng gctatttgag atactaaaaa 300

cattctacag ttcctttcca tcattttaca gtnccctttt catttnagct nacttttgta 360

aagtgnaaag tatcacaaat ttttttttctt tcttcccttt tttctttttc tttctttctt 420

ttttttaacc aactaaaact attcttcaaa tcctctcgct tgtcattggc tcttgcgtgt 480

cagtttc 487

<210> 5677
<211> 115
<212> DNA
<213> Mus musculus

<400> 5677
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acctttatta aagctatgtt aaatagaatt taagaaagaa gctttgtttc ctttg 115

<210> 5678
<211> 477

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(425)
<223> n is a, c, g, or t

<400> 5678
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caccttttg tcttgagttc ctcctggggg gagaagagta ggggagaacc caggtgttca 120

gagggtgcgt ctgcctggaa tcaaagggtc tgttttgcag agttactgca tggttgttaa 180

tgcttagaat ggcaacaagg tagaattatt aatcaaaggc ctatcgttaa tatctgaata 240

tccttccttc agggtttgat aggtttaata gactgagtca gatgactctg atattaatca 300

gaattgtctc ctctgaggac ggctgataag cactggcttg ctgtcccctt ggggaaaagc 360

aaaccccaa attgcataat ttacttcatt atccacatag tggggtcagt tacttngnna 420

cacnnatccc tgtttgaaga taacagaatc ttagtaaatc cgacaaagcc tgcagac 477

<210> 5679
<211> 328
<212> DNA
<213> Mus musculus

<400> 5679
aacagcttcc tgagtcagcc tatatgcacc agctcctggg cctcaatctc ctcttcctgc 60

tatctcagaa ccgagtggct gagttccaca cagaattaga acgattacct gccaaggaca 120

tccagaccaa tgtctacatc aaacaccctg tttccctcga gcaatacctc atggagggta 180

gctacaacaa ggtattcctg gctaagggga acatccctgc cgaaagctac accttcttca 240

ttgacatcct gctggatacc atcagggatg aaatcgcagg atgcattgag aaggcctatg 300

agaaaatcct ttttgctgag gctacccg 328

<210> 5680

<211> 343
<212> DNA
<213> Mus musculus

<400> 5680
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gaccaaacct cagaagcagc ttttcatcct cttgacagtt gcaagcctgc cgctgagagt 120

gtgcatgctc ttgtcctaac cacacaccct tggtgggagc gcctgctgcc aggccaccgc 180

agttactgct tagtacccaa gttgactgtg tttgttagac acacctgtgt ttacttatag 240

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agggatgtca gtgctgtgct ttaagggcgc agtctcaatg act 343

<210> 5681
<211> 365
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<400> 5681
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gacttggttc ttcaccatgg cttctcacaa gaccttcagg atcaagcgat tcctggccaa 120

gaaacaaaag caaaatcgtc ccattccaca atggattcag atgaaaactg gcaataaaat 180

catgtacaac tccaagcgga gacattggag acgaaccaaa ttgggtctat aaggaaccac 240

acgtacttat gctgtaactt actgtagcgt ttacagcgtt accgctntct ggacagctga 300

gtgtgtttct taggaatata agttttcttt ctgtgcttta gtgagttcat tcagcagttc 360

agtaa 365

<210> 5682
<211> 483
<212> DNA
<213> Mus musculus

<400> 5682
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gcggcctcgg cttcagtgag gtagaagatc atgatggaga aggtgatgtg gctggagatg 120

acgatgagga cgactcccct gatgctgaga gtccagatga ctcggacagt gactctgagt 180

ctgagaagga ggagtctgca gaagagcttc atgctgctga gcatcctgac gacacagaag 240

acccgaagag caaaaaagat gcgaagagca attataagat gatgtttgtc aagtccagtg 300

gctcctaact accaaacact tagtctttgt attaaaagta agccttattg ttataatgca 360

cagtggagga ctgcttatag agcacagacc tttgtattat aatttttaaa aaggcccttt 420

taaataacta caaagagtgt ttgctttcaa atgccatggg ttacatttct ccaggcatga 480

cta 483

<210> 5683
<211> 493
<212> DNA
<213> Mus musculus

<400> 5683
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aattaataaa gctacaatca tgcctcgagg gccaacactt gggcatgtat cactgttgcc 120

tgagaatgac agatggaatg aaactcgagc ccagctgctt gcacagatgg atgttagcat 180

gggaggaaga gtggcagagg aactcatatt tggaactgat catattacaa ctggtgcttc 240

tagtgatttt gataatgcaa caaaaattgc taagaggatg gttaccaaat ttggaatgag 300

tgaaaagctt ggagttatga cctacagtga tacaggaaaa ctaagtcctg aaactcaatc 360

agccattgaa caagaaataa gaatccttct acgggagtca tatgaacgag caaaacatat 420

cttgaaaaca catgcgaaag aacataagaa cctggcagaa gcattgctga cctatgagac 480

tttggatgcc aaa 493

<210> 5684
<211> 539
<212> DNA
<213> Mus musculus

<400> 5684
actacgagta tgactgggcc ggcaagcccc tgccgacacc catcggcacc gtccaccctg 60

acgtgccctc ccagccacca catcgcgaca aagctcagct ccacaccaag aaccaggcgc 120

tcaactccac taatggagag ctgaacacag acgaccccac cgcgggccac tccaacgccc 180

ccatcgcggc ccccgcagaa gtagaggtgg cagatgaaac aaagtgctgc tgcttcttca 240

agaggagaaa gagaaaatcg ctgcagcgac ataagtgagg gtgggtgcag ccgctcaaga 300

tccccaggcg ggtgtctagg aaactggcag tgtccttggt ggtgtggggc tccttggccc 360

acctgcaggc accatctttc gggacttggg gtcccttcct tcacacagga ctttggcgga 420

aatctctaca cccgtgtctc atcatcccct tcgagagcat taactattta aacccaggag 480

agaagcgctg tgccgtccct gctgcgcccc tgttagctca taaagtccag cttgtcccc 539

<210> 5685
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<400> 5685
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agaaattacc attttacttc aaaagacccc ctgttaatgt ggcaattgag cgaggcctgg 120

gctttgaact tgtctatggt cctgctatca gagatgcaac gatgagaagg tacacaatct 180

ccaatgccct caatttgatg cagatctgca aaggaaagaa tgtaattctg tccagtgctg 240

cagaaaggcc tttggaaata agaggaccat atgacgtggc aaacttagga ctgctgtttg 300

ggctttctga aaatgatggc aaggctgccg tgtccacaaa ttgcagagct gtatttctcc 360

atggaganan nannaaaaan ctgcttttgg aattatttct acagtgaaga aaccacggcc 420

atcagaagca gatgatgaat ctncttccag tgtgcaagaa agctaaatgt gagggctgag 480

acgagtcctg agtctcca 498

<210> 5686
<211> 465
<212> DNA
<213> Mus musculus

<400> 5686
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tgcaatccaa gcgaagaaaa tccaagtaag cgagctggaa gatgacttga tacttgtaaa 120

tgtgtgtgaa ttttacaaag agcaattttc agctgtgact ttttaaatct atttctgtac 180

agttagtcat tttaataacg cggtcctttt cctagtccct gaaacctgtc tcataaagtt 240

taacggggag cagccctttt ggtgttgcaa aatgaagttc aaggcttcta aaatgttgcc 300

atgtattgaa aggcgctaat gccattgtaa atgttattag tttcacattt cttaagcagc 360

ctagagtaca gggtgaacat ttgtagatct tctaatgatg tattgtgctg tggaagtact 420

gtgtgtgaat agcagtagtg gggcaaaacg caatcttgtc atttg 465

<210> 5687
<211> 543
<212> DNA
<213> Mus musculus

<400> 5687
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aggaaagatg gtcggtccct ggttcccagc gcctcctagg agagagagaa gaaaggtgcc 120

caacccttag ctcttccttc ggagcaatgg ctgaattcat ggactatact tcaagtcagt 180

gtgggaaata ctacttgtct atgccagagg aaggaggagc aacccatgtc taccgttatc 240

acagaaggaa acctccagag atgcacatgt actcagatac tgggcacagt caggaacaaa 300

gaaactgcag aggcgagaca tctgttggac aagaaagcat ctaccaaaca tcagagcatt 360

ctcaagagtc ctcttggcct actgagaaca tctctaagga cctctacatc gaagtctacc 420

cagggaccta ttctgtcact gtgggctcca gtgccttatc caagaagacg cacgtggttg 480

cagttgaccc cgggcaaagt gtggacttgg tcttccccgt gtgatgttga ccgtcactac 540

caa 543

<210> 5688
<211> 465
<212> DNA
<213> Mus musculus

<220>

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<222> (317)..(317)
<223> n is a, c, g, or t

<220>
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<222> (397)..(397)
<223> n is a, c, g, or t

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gatggatatt ctctgtgttc gggaggcaac caagtttgca gctgatcact gcagatctgg 120

aaaggggccc attgtgatgg agctgcagac ctaccgttat catggacaca gtatgagcga 180

cccagggatc agttatcgtt cacgagaaga agttcataac gtgagaagta agagtgatcc 240

tataatgctg ctccgagaga gaattatcag caacaacctc agcaatattg aagaattgaa 300

agaaattgat gcagatntga agaaagaggt ggaggacgca gctcagtttg ctacgactga 360

tccagaacca gctgtggaag atatagccaa ttacctntac caccaagatc cacctttga 420

agtccgtggt gcacataagt ggctcaagta taagtcccac agtta 465

<210> 5689
<211> 425
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<400> 5689
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tcgttctggt tgcctatggt gctcttggca gccaacggtg taagaactgg atagaggaga 120

atgccccata tctcttggaa gacccaactc tgtgtgccat ggcggaaang cacaagcaaa 180

ctccggccct aatttccctc cggtatctgc tgcagcgtgg gattgtcatt gtcaccaaga 240

gtttcaatga gaagcggatc aaggagaacc tgaaggtctt tgagttccac ttgccagcag 300

aggacatggc agttatagat aggctgaaca gaaactaccg atatgctact gctcgtatta 360

tttctgctca ccccaattat ccatttttgg atgaatatta acgcggaagc ctttgttgtg 420

acatc 425

<210> 5690

<211> 183
<212> DNA
<213> Mus musculus

<400> 5690
tacaaagcaa cggagaacga catttacaac ttcttctctc cactcaaccc tgtgagagtt 60

catattgaga ttggtcctga tggaagagtg acgggagaag ctgatgttga gtttgctact 120

catgaagaag cagtggcagc tatgtccaag gacagggcca acatgcagca cagatacata 180

gaa 183

<210> 5691
<211> 568
<212> DNA
<213> Mus musculus

<400> 5691
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ccggccactg cgtccacatg agagggctgc cctacaaagc aacggagaac gacatttaca 120

acttcttctc tccactcaac cctgtgagag ttcatattga gattggtcct gatggaagag 180

tgacgggaga agctgatgtt gagtttgcta ctcatgaaga agcagtggca gctatgtcca 240

aggacagggc caacatgcag cacagataca tagaactctt cctgaattca acaacagggg 300

ctagcaatgg ggcttatagc agccaggtga tgcagggcat gggcgtgtca gctgcccagg 360

caacttacag tggcctggag agccagtcag tgagtggctg ttacggggcc ggctacagcg 420

gtcagaacag catgggcgga tatgattagt attgtaggaa catttgagtt atttcaatca 480

gaaaatttca caggcagcca ataagcagtc aagagcagtt tataactcta gaggaagctg 540

ggggacccac tttgcaccat gagtttgt 568

<210> 5692
<211> 527
<212> DNA
<213> Mus musculus

<400> 5692
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atcatgtatg caaaatacgc aacaggggaa aacactgtct ttgtagacac caagaaattg 120

cctataatca agaaaaaggt gaggaagttg gaagatcaga atgagtatga gtcccgcagc 180

ctttggaagg atgtcacttt caatttaaaa atcagagaca ttgatgcagc aacggaagca 240

aagcacagac ttgaagaaag acaaagagca gaagcccgag aaaggaagga gaaggaaatt 300

cagtgggaga cgaggctctt tcacgaggat ggcgaatgct gggtttacga tgagccttta 360

ctgaagcgtc ttggtgctgt gaagcattag gccgacaacc gagtccacac ctggtgacca 420

gggcagtagg cgtaattaag caacaatcga tcttccttca ggagagcttg tcacttcctt 480

cttaacgcag tggttcctat ctcagggata ctggacttga cgacaca 527

<210> 5693
<211> 216
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<400> 5693
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gggccccttg gcagtgtggg ggttagaagt cggcccactg ccctgacctc caccaggttt 120

tagangntnt ttatgccagc ctgcccttct agagaaagcg ccactaccct gcatgggtgg 180

ggtcttgtgg cctgtggcac tttgtcctct tctgca 216

<210> 5694
<211> 551
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

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cacttcccag ctctgaatgc agaggctagc aggaaactag gtttantggg tgcttagctt 120

tgttggttca acctgagtgt tgagtanacc caaaccatgt gaatacccaa accatgtgtt 180

cccatttttc taccacacgc atagtcaaac tcctagccca aagaaccgaa gccacttgag 240

gtgggcccct tggcagtgtg ggggttagaa gtcggcccac tgccctgacc tccaccaggt 300

tttagangnt ntttatgcca gcctgccctt ctagagaaag cgccactacc ctgcatgggt 360

ggggtcttgt ggcctgtggc actttgtcct cttctgcatg tctgaggcca ctgncaattg 420

ctgcccatgt ccaganttgt cctatcccag ttttgaaagc cccttattta taacttttat 480

actgtggcgc ctgtctcctc cccggctgta cggggtggga ctgttttaac gtttcgtttg 540

tacggatgta t 551

<210> 5695
<211> 546
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

<220>
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<222> (400)..(400)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (513)..(513)
<223> n is a, c, g, or t

<400> 5695
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tccagagagg cttgccccga ggaggactac gtgggggacg tgctaccaga accctgctta 120

ggggtgggat gtcgctccga ggtcggggta tgataggtcg gggaagaggg ggctttggag 180

gcagaggccg aggtcgtggc cgagggagag gtgccctcac tcgccctgta ttgaccaagg 240

agcagctgga caaccaattg gatgcataca tgtcgaaaac taaaggacac ctggatgctg 300

aattggatgc ctacatggca cagacagatc ctgaaaccaa tgattgaagc ctgcctgcct 360

gcccgcctgc ctgttagant cttgttaaag tcaccacatn tataaaacaa ccttgagaaa 420

acatgagaag aaatctgatc gatgctggaa ggacctgtca caataggctg tggacttacc 480

tgccaccagt tggtgcattt agtctgttct gtntactttt tgatactgtg ttatatgaaa 540

ccctat 546

<210> 5696
<211> 240
<212> DNA
<213> Mus musculus

<400> 5696
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ctaataaggc ctctgtagcc atggctactt ctgacgtgaa accaaaatca ataagtcgtg 120

ccaagaaatg gtcagaggaa atagaaaatc tgtacagatt tcaacaagca ggatatcggg 180

atgaaattga atataaacaa gtgaaacaag ttgccatggt cgaccgatgg ccagagacag 240

<210> 5697
<211> 564
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

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<222> (305)..(305)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

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<222> (323)..(326)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
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<222> (430)..(430)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

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<222> (460)..(460)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (466)..(466)
<223> n is a, c, g, or t

<220>
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<222> (515)..(515)
<223> n is a, c, g, or t

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tccagtttct ttaattctaa acaagaaaca ctaaaaaatt cgtgtcttaa catctttgta 120

agtttaaaaa aagtagtgga atgtttagat gttttgtttt tgaagatgta ggccattctg 180

agaaaagcag ttgggagatg tttaatcctt gaatgtttta cactgcctcc cccaccacat 240

tcataaccct gtggacagtc ctacctcacc ctggtcaacc catgtgaccc tnactgttat 300

ggccnganca gtgtctccat ttnnnncatn cacaaaactg tttcttggtc caaaagatta 360

aaactnccct ntgaagtgtt caccttttctn tcttgctgga ttaggcatna ctcataagtt 420

ccaggaaatn tccagcacta tccccacgnc cctcattttn tacaanccat gacaaaggaa 480

aaaggacaag gaattctaac agtgaggaat gattntcata tgggaccaga atatcatgtg 540

gctcaggctt tcttaaaaca gaaa 564

<210> 5698
<211> 325
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<400> 5698
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gccgcagatg gacctccagg gttgaatgtt taaaagggga tccaaacata cgagcagatg 120

actgctgtat gaagtgatgg ggcaggagta caggtgcaaa ctcatatgta ctgcttaact 180

ttctgaagtg tgctctgact tgaagtgcgt gatttatttt attttatttt tttttaacca 240

tgaagacaaa gcacggagta ctgtttagag gaacctgcta ctattggagt aaatntcttt 300

gaatttttcc agactattga gatag 325

<210> 5699

<211> 568
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (500)..(500)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (523)..(523)
<223> n is a, c, g, or t

<400> 5699
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gagcaaatcg ccattccaca gcatgctgca catgggccag cccgacctct ggatgttctc 120

acccatcagg gtgccatggg actgagagag agtccgcctc cgcctagctg ccttcatttt 180

gtgtggccag tgggtcatac acctgccgtc cacccctcgg gcttctgtct tcactagact 240

ctggtcctag cggcttcctt cgcaaggaca caacccagtg ggctcagagt tgcctctgtc 300

tctgagccct ctgccccttc atggctcatc ctccctgtcc ctgtcaccag caggctgggg 360

cttatgcttg gctgtgggcc tggtgggatc cggggcacac attntcctag tgctggtccc 420

tcagcatatg tgtgaactga caggggacat tatggttgtc actgctggcc tgtgggccca 480

tcncctcagg aggcagcccn tgtgcccttc tgggcagctc ttnctaagtg caggagcttg 540

agaacaaaac caaagtttct ggctgctt 568

<210> 5700
<211> 396
<212> DNA
<213> Mus musculus

<400> 5700
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ttctggaaat cagtatgtga atgaagtcac aaatgcagaa aaagacctgt gggttgtaat 120

tcatctctat agatcaagtg tcccaatgtg cttggtggtt aaccaacatc tgagtgtcct 180

agcaagaaag tttccagaaa ccaaatttgt taaagccatc gtgaatagct gcattgaaca 240

ctaccatgac aactgtttac caacaatttt tgtttataaa aatggtcaga tagaaggcaa 300

attcattgga attatagaat gtggagggat aaatctcaag ctagaagaac ttgaatggaa 360

actatcagaa gttggagcga tacagagtga cttgga 396

<210> 5701
<211> 554
<212> DNA
<213> Mus musculus

<220>
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<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

<400> 5701
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agaattaaat ggaggaaaag gccactttgg tcctggtgct cctggtccta tgggtgatgg 120

ggacaaggat agtggcacca gggctggtgg tgtggagcag gaacaaaatg agccagttgc 180

tgagggcact gagagccagg agaatggaaa tcctgggggt aggcagatgc ccctccaggg 240

ctctaggttc gcccagcatc gactgaggga actggagtcc attttgcagc gcactaattc 300

ctttgatgtc ccaagggagg atcttgatag actgatggat gcctgtgtgt ccagagtgca 360

gaattggttt aagatcagga gggctgcggc cagaagaaac aggaggaggg caacaccant 420

ccctgaacat tttagaggaa cattcgagtn tcctgctntg tcgtggagtg agatggggag 480

aaagatgccc ttttgcgaca ccgagatttt gatttgatca catatgccgg ctatgacagc 540

ccttactttt caag 554

<210> 5702
<211> 315
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<400> 5702
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cgtcattctc ttccccctgg cacttgatga ttctggaatg ggcaactata tacccattac 120

accttcaggc aaagttatta atggaagaaa tattaataca aagaaagctt ttgagaaccg 180

tcaagaaaga gaagctgaag atgacagtga gttgatatcc tttcttgtaa atagtgtgnc 240

aaatgaagag cattttacag acaaatgtaa ctggagaaga cagtngttca acaattactc 300

accaaattcc tacag 315

<210> 5703
<211> 476
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

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<222> (281)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
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<222> (325)..(326)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

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cagcggacca ctttggagaa gctgatcagg gacccctggg tgacacagcc tgtgaacctt 120

nctagctata cttgggaaga ggtgtgtagg accaaccagc cagaaagtgg cctgctntca 180

gctgcaagtc tggagattgg gagtaggagt ccaagtgaaa tggctcagag agagggtctc 240

tgtgggcctc ctgctcccag ggagactcnt ggtgaccagc nnctgcttgc atcttaangg 300

acccctcttt nccanntcan ctganncaag ctntcctgct ctttggtttg ggcagttgta 360

tggatttcag ggctttncta cctggagaaa ggaagttgtg aaggattggg atgacttctg 420

cttctagatt cctatncaaa tgctacaaga ncctgcgatg ctagttttct taggtt 476

<210> 5704
<211> 517
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
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<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (482)..(482)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

<400> 5704
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cggagtttc ctctacatgg gagtctcttc gctacaagga atccagttct tcgaccgtct 120

gaagcttttc gggatgcctg caaaacacca gccagacttc atctacctgc ggcacgtgcc 180

gctgcgcaag gtgcacctgt tcacgctagt gcagctcacc tgcctcgtcc tgctctgggt 240

catcaaggca tcgccggccg ccattgtttt cccaatgatg gntgctggcc nttggtcttc 300

gtcaggaaag tcatggatct ctgcttctcc aagcgtnagc taagctggct ggacgacctc 360

atgcctgaga gcaaaaagaa gaagctggac gatgcgaaga agaaggagga ggaggagncc 420

gagaagatgt tggacattgg gggtgacaag tttcccctgg aaagcaggaa gctgctaagt 480

antcctgnca agagcagcag cttcagatgt gaccctt 517

<210> 5705
<211> 221
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<400> 5705
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gaagttccta attctgacat tgtatgtgtg gaagttgaca aagaagtagt agaaggcaaa 120

aaggaaccag gatacattcg ggcnccctca aaagagtcct ctgaagagga atatgactct 180

ggagtggagg aggatggatg gcctcgtcaa gcggatgctg c 221

<210> 5706
<211> 461
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<400> 5706
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ctctctcagc gcatctcctc cctcacagct acactgcacg cacacagtcg gaagaaggtc 120

aagaggaaac accctcggcg ggcacaggac tccaccaaga aacctccaag tgccacacgt 180

accagcaaga cccagcgccg ccgtcggatg actggaaaag ccaggcacaa cggggagtga 240

gccctcaaac ctgggggtcc cagcttgagt ccttggctgt ccctgtaacc cagctacacc 300

gagggttacc tgcagcctaa gcctgaaaat caggactttg ccangccagg gtcatccttg 360

ctttganccc agaaggaacg gacttctgag agcccgggtt cccggagcct ncagaaccgt 420

gctggggctc gttcacaagt gtacatccac ctgggactga a 461

<210> 5707
<211> 546
<212> DNA
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cacaccttat tgggcatcag aaaacacatg ggataaaatt caagaagcag cccaaattgt 180

agcctttgtg cctttcaaag cactattttt ttttttcagc cttgagatgt actatgcaga 240

cactcagtat gacagatagg ctttgactaa ggagagcccc acaccttaag gacagctcag 300

gacaccacct agcaggcagt gagtgaaacc atcagggagt tcttaattgc ttcatttatc 360

ctcnaaagga ataaaaatat ctgaaaatgc atctaagttt aagaagtcaa gtaccaaaaa 420

ttgcactgat atttctatac aggataaaat gtgtaagtga aaaaaaacta aaagtatata 480

gctaaataag ctattatatt tgtgtggaac tttttttnn ctgctgtgat agctattttt 540

tgttat 546

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cgaagctgga tcaccttcta gaaaagcaga aaccatctgt gtttgtggag atcgacctgg 120

gagaccatac tgaggaggag gtcatcacct gtgccatcaa agaagagaag aggctcccca 180

acataggaga cttgtctgaa gatgagataa ggaccagctg ggtatgctgc atcccgtacc 240

acacaaagaa gaaggcaann nnaannnnnn ntnnnnnnna naagaaccat cantcatntc 300

aggacaagac ccntntgant canccgctag tagagctntn tggggantaa aggaagacan 360

cntaggcctg gaatggntcc atnatccccn ccatgggcag ggccagagtg acagcaccca 420

acggataccc aaggcaagag accntnttcc aatccaaggc caatcacagc cctaggaacc 480

aantnttcag gaccagcagg cantcccgct tnctggctat cacagaactt aagagccagc 540

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tggctatgcc acaaggtata ccatcatggc caaaaagtgc tacaaggact tcctggattt 180

ggtggagcaa gccaagaggg ctcagctgaa gccatatgag caaacatacg atgtgagggc 240

tgcccagcct cttagccctt cttcaaaaat cttgcagctg caaggtctct cacccncatt 300

tccagaattn tctgggccag ntcaaacacc cccaagtgag gacccccaag ntcccaggcc 360

ctgtggttgt gntcantgnt ccagccantc atgcagcagg aatgtgtatg gggagccacc 420

atccttagca aaggcttttg ccgagagcta gagccctgca tcntccctag gagatgtaag 480

cctcaaggga gcacagacac ctgttgtact tgcatcaa   518

<210> 5710
<211> 170
<212> DNA
<213> Mus musculus

<400> 5710
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tcacaataat cctagaggaa atggagcagc tcttagaaat gtagctcaag gcaggtggcc 120

ggacggcttc ttcctggata aaccctcggc agaggctact taggatatct   170

<210> 5711
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<212> DNA
<213> Mus musculus

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cttcctgtct accctcatgt ctacctcttc tccaagagca ctgctggata gttgcctagt 120

tcctctttcc catctggaaa ctagctactt tcagccagag gagcaaatcc ttcaggaact 180

gaacaagatt tctctagacc cagagcttaa aattggagga agcagatatg acctcacatc 240

cttggtacca gggaatctgc agccagggac agagactgga aatcatgaag tggaagatnc 300

tcantccctg gatnatcttg atnccttcac tcaggaaaca ctggacagaa tgaattntca 360

ttgntcaaga acgcaagttt taccaaataa catttcggga tggagaaacc agaggggaa 420

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<210> 5712
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<212> DNA
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agatggatct gggaaactta ctgcatcgtc tgcagcacag atatgaagag gagtctaagg 120

gaaaagctgc aaactgtaaa gaacttctga aaatgtactc gaagaatgtg gccctctcca 180

aatcaaggat cttttggacc tggctaatca agtatttgca aaactgacat cagatttctt 240

aatgtctgtc agaagacact aattccttaa atgaantact gctatttttt ttnaatcnna 300

aacttttcat ttcagatttt ananaagggt aacttttttna ttgcattngc tgttgtttct 360

ataaatgact attgtaatnc cnacatgaca cagcttgtga atgtgtagtg tnctgctntt 420

ctgtgtacat antnatcaaa gtggggtaca gtaaagaggc ttccaagcat tactttaacc 480

tccctcaaca aggtatacct cagttccacg gttg 514

<210> 5713
<211> 485
<212> DNA
<213> Mus musculus

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aagatgcaga gtattaattt cttaagacaa gtgatttctg taagtttgag ccctatgtgg 120

aaagcattgt ggaaccttaa ccttttttgta cacactcttg tgggacgtgt catataaatg 180

tcagcactaa gtaatgtctt gtttgtggct gaatattttt cgtagatgtt tttgaagttg 240

acatgactta cgtgcattta aatatatatt gccatcctta gtttgtaatt aagatttgga 300

aaatggttgt ggatttctga gcatgtgcag actggtctag ctagttcagg aactggtgca 360

tgtatttttc aaagacaaag aaagtgtact gcgaaaactt gcaggaagat taattttgtg 420

gcagttttct aaaactgaca accaggtggg accaaagttt atgtgccttt agtcttaatt 480

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<210> 5714
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ccctttttcc tttaagagat ttcatgtgtg cacagagagg ccacccttt caggactgtg 180

cattttcagg tttgtgatga taaaaagatc gaccaatggg agctttccta tgacctttca 240

attggctctg aagttccagc atgtggttgc ttcactcctg gactgtgatt ttcagtggga 300

gatggaaatt tttcagagaa ctgaactgtg gaaaatgacc tttcctcagc ttgaagctac 360

ttttaaaatc tgcgggtctg gaccaaaaga agaacatcat gtttgtagtc aagatgacag 420

atacagtgag agcaacagct aactccaaag gtggcttcac tggagagaaa gaaagtgtct 480

tgagcaagac agtattgtca gaagatccca gg 512

<210> 5715
<211> 173
<212> DNA
<213> Mus musculus

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aatttaccac caagtggcag gagtctcacc agctgcctgc tgagtttcag ctgctctatc 120

gaatgcatgg ggaagggctc acgaagctca ctctgtcaca ctgtgcctaa gaa 173

<210> 5716
<211> 470
<212> DNA
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acacacaccc tctggctcat cgcaaggagc atcaggactc atgccccttt gagctgatgg 120

cctgccccaa tgagggttgc actgtgcagg tgctgcgagg ggtcctggat gaacaccgcc 180

agcattgcca gcagaatgga cagcagcgct gcccccttagg ctgtgggtcc accctggntg 240

ccttggaagg tgagcaccac aactgntacc gcgagctang tgatgnttgg ntccaacgcc 300

atgagcgcaa ccggaccctg ntgctggncc tgctggggcg tgtacgccgg gtgcacctca 360

ccaccagcat catccaccag cagctggcac agctgagcaa nttcctggag gatgatgata 420

acctgntcct gaatgcccag gtgcaagaga ctgaggttac cccggaggct 470

<210> 5717
<211> 351
<212> DNA
<213> Mus musculus

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agcttaatcc acttcatggt tgttaacatt ttatactcat tgggcaacta aatggctaag 120

ttcaataggg atagtttgcc cttacttaga caatctctcc ttgcattagt ctttgtcaca 180

ccgacctgag ttgcaaattt ttatcattac ttttaattta aagtcttcaa cataactttg 240

ggctttaaaa gttaaagttc ttacgctatg accgttctca cattatttat agattcatca 300

ttttaaatgt agtttgtgaa agtacgtagg gtgttgctaa agattcttca t 351

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<212> DNA
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cctgtttaca gcagaagtgt acaacactga gagcaatcaa tggacagtca ttgcacccat 120

gaggagcagg aggagtggaa taggtgtaat tgcttacggg gaacatgtat acgcagtggg 180

tggctttgat ggagccaatc gactgaggag tgcagaagcc tacagcccag tggctaatac 240

ttggcgcacg atccccacta tgtttaaccc tcgtagcaat tttgggatcg aggtagtgga 300

cgacctcttg tttgtggtgg gtggctttaa tggctttacc accaccttta acgttgagtg 360

ntntgatgaa aagaccgatg antgntatga cgntcatgac atgagcatat accgcagtgn 420

tntgagctgn tgcgtggtac cagggntagc caatgttggg gagtatgcag ctagacggga 480

caacttcacg ggattagcac tgcgagatga agtaaagtat tccgcttcga caagtac 537

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<212> DNA
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tgcttgtcaa ggaaagtaca ccccaagcaa tgagtcaggg gcagccgcca gtgaatccct 120

cttcatctct aaccacgcct actgagcaga ggtggcctaa nggcnnnccc tgnnagcacc 180

ccaggtccct gcctacccac ttgctcttga gaagaggtag cnttcaggct ntntcccatc 240

aacccntctt gccacccctc acgantttgg tgtgtggtat tgtnctgtga atgntgactn 300

tcatcccttc catcccgctg ccantcaaca actatttaaa gggggaagga ggaagggccc 360

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gtaataccac tccagccatc ccatgtgttt tt 452

<210> 5720
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<212> DNA
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<223> n is a, c, g, or t

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gtggcaatca gaccataaga acaacacctc accagtcgag cagaatatct ggatgcctta 180

aatttataat atgagacttg ttataagata cattttggac catatctgta tatagaactt 240

gtttgttcat ttnnttnttt tnnnaatnta ntatttgnaa acatgatcgg ncaatgtatg 300

cattgaaaca ttggacactt gtttgattcg atnnttntcn nannacnntn ctnccaggac 360

cnnnacacnn ttggtnttt gtgaattgca tgaggatttg ctaatgttga tattcacttt 420

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<210> 5721
<211> 392
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
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<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<400> 5721
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ggaaatgcga cagtacttca acgttgngca acaagcacag atccccatcg cgacgnccgg 120

agttgtatac cccagcgcca tcgccatggc aggaatgccg tcccctcacc tgccctccga 180

gcactcgagc gtgtccagca gcccggagcc cgggatgccc gtgatccaga gcacttacgg 240

cgccaaggga gaggagcccc acatcaagga agagatccag gctgaggaca tcaacggaga 300

gatttacgag gagtacgatg aggaggagga ggacccngat ntggattatg ggagtgacag 360

cgaaaaccac attgcgggac aagccaactg at 392

<210> 5722
<211> 559
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (534)..(534)
<223> n is a, c, g, or t

<400> 5722
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ctccgcagga ccggacccct gaaccaccct tccccacttt cccttgctgt gacgcttctt 120

catctcaccc ctccatagga gagctggctc tgcagtgggg aggaaggcag ggacatggac 180

aaaatacgat tgaattccta gccctcttgg gtgtggtgtc cctgttngag gatgatgggg 240

gtggggcaag ggtatgggtg ggagtgggga tgataggcct ggcataaagc cccctgagct 300

gtagctgtcc tgttcacttc taagggccct gttttgaggt tttaatttat ttaagctatg 360

tggtaaggct gggggtgtgt anccgtggtc ctcccctccag cttccatggg gagggaagaa 420

gagggagctc tttttgtttt ttacattgac ttttttttttc tacttttccc ttttacttcc 480

actccatttg gggcctgggg attttagtca cctctccagt tggccccaag actntctttt 540

ctttcttgag tctaacatg 559

<210> 5723
<211> 299
<212> DNA
<213> Mus musculus

<400> 5723
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aaggcctttc tggtctccgt tctcccatgc agggcaattt ggactgtttt tgccccaggc 120

tgtttagctg ccaggacaac actggcagag agaggctgag gcgctgggct gcagtagcag 180

caggcaacag cctgatgcct gtgacagtgc cccaggaagg ttttcaggca gtgccttgct 240

ccctggaccc tgacccaccg tgttgcctct gttgattggc cagtactgtc atttccatc 299

<210> 5724
<211> 551
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
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<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (517)..(517)
<223> n is a, c, g, or t

<220>
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<222> (519)..(519)
<223> n is a, c, g, or t

<400> 5724
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gagttctcat gcaactgcag gcggacattc tgtgtattcc ggtgatgaaa cctttcatgc 120

cagaaacaac tgcactggga gtcgcaatgg cagcgggagc ggcagaagga gttagcgtgt 180

ggagtctgga tcctaaggat ttgtcaagtg tccagatgga gaagtttgaa ccccagatca 240

atgtcgagga aagtgaaggt cgttacgcca catggaagaa agctgtgctg aagtcaatgg 300

gttgggtttt gactcagtct cctgatggtc gcgaccctan tattttcagc agcctgacnc 360

tgggctttta tntantgagt agtatggtga tattaattgg agcaaggtac atgtaaggtn 420

tcccataaat catgcntcct tgtggattcc ccaaggagag ntctttacct aatgaaagaa 480

tccagcagtt gtttcaatgt aataccacta tttggantnt ggatttgttt atgtgcccct 540

tgttgcatgt a 551

<210> 5725
<211> 424
<212> DNA
<213> Mus musculus

<400> 5725
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gaagaaaagc tatctgataa tgctcaaagt gcaatggaca tgcttttaac cattgatgat 120

tcaaagagag ctggaatgag agaactaaaa cagcatcctc tcttcagtga agtggactgg 180

gaaaatctgc agcatcagac tatgcctttc gtaccccaac cagacgacga aacagataca 240

tcctattttg aagccagaaa taatgctcaa catctgacca tatctgggtt tagtctgtag 300

cacatgcgtg tcatttttat ctaacttgtg atatagaatt aagttttaca gtaatatgct 360

acttaatact agattggtct aaatgggata aaagtcatta ttttacccag actgaacagc 420

tttt 424

<210> 5726
<211> 467
<212> DNA
<213> Mus musculus

<400> 5726
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ggaaaagctt atgcacaaac atacctcagc ctggcgagca cagcactgct gacttggtct 120

tatccctgcc ccaggacaca cacactcagt aacacgcaca cagcccttac actggggtct 180

gaccctcttc tgcctcataa gccctatcca cgaggcacat gcagggttgg gcaaggggtc 240

tggtgctatg agaagcctgt ttggccagtg tgtctcagga tttagtcata aaggatagac 300

ccttcctacc caggggtgac agggacagtg ctgcaagact tttcagtcat caaatactct 360

ttcctcaggc agcttgttcc cctgtccctc tcaatgcccc tcactgccct caagccagca 420

gcaggctcct agccagaaaa tgcaagagct gggtgccttg tgtgccc 467

<210> 5727
<211> 589
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

<400> 5727
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gcagcacaac cagtctccta ccccagggct ggtagaggaa gaggagaaaa atgttgatga 120

tgatgagtgt gacgtagagg tttgtgatga aaaagaggag agcgaggagg aggaggagga 180

ggaagtggac agagggtcag aggatgaaga tgtggatgag gaggaagttg aagcggctgg 240

caatggggag gaaggggaag aggaccaaga agaggagtat atgttggaag agacggggct 300

ggaggaggga gaacagagag cggaaganaa attcttgcct ctgggaatgc ctttntcaat 360

cctagtaggg gacgaagaag aaagagagaa ctttatgaac tatgantact taanccaaga 420

acaaataatt cccaatgtgc cagaggcaga tctatttatg gtaccggaca ttanccatta 480

ntcatcagga agggaactga gaaacgaaat ggaaccgatt tgaggctaat atggattaac 540

agcttgttaa aaacgaattc aaaagtgagt tccattaata aacatcgat 589

<210> 5728
<211> 373
<212> DNA
<213> Mus musculus

<400> 5728
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ctagtgttca cttggctcac cctgctaggt ttcagtcacc cagagattgt gtttactcag 120

gcatcacgta tttatttcaa ggtgactcag aacaatcctt cggcttctgt agccgtttct 180

ctccattttt aagatcacac aggagacgag gtcagctttc caaaaccact ctgtttccgt 240

cacttgcggt aggccggctt caaagccatc atgaaaccta gaaagttgtg gagctgagta 300

tgtggctgag ggcctgaggc aggagcaggt ggcggaggtt acctgtgtca ccacattgct 360

tctttgtcag agt 373

<210> 5729
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<400> 5729
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tcccgctacc tgactatgtg cacccacagc tgcggcgggt gatgcctgcc ntgatggaga 120

tcatacagtc agactgcatc ctggcacagg tacaagctgt ccgcctcctg agttacctgg 180

cacagaagaa cgaccttctt tatgacattc tcaactgtca ggtgcgtccc aacttcctga 240

acctcttcca gtcttcacag ccgggcagtc tgctgttcga ggtgctggtg tttgcggaac 300

acttgagtga aggtcggaac gccacccact accgagcgnt caaatggcat tacaacgagc 360

aatccctgca cga 373

<210> 5730
<211> 505
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

<400> 5730
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ctggggctca gcaacggcta cctcagcacg ctggtgctca tctatgggcc canagattgt 120

gccccgggag ctggctgagg ccaccagtgt tgtgatgttg ttctatatgt ctgtgggctt 180

gatgctgggc tcagcctgcg cggccctgct tgaacacttt atctaggagg gggcggcaag 240

gatgtgggta ctgtgtgagt ntgtgaggct tgggtccntt aggagatgga cagggtaanc 300

caaggtctcg aggtgttaag caaggggttg acattttgtt tgatgcagag cagagcccac 360

tcagactncc tttctctcag actgcttgtg anccacatcc ttgcacatct tgggcaagga 420

gacattccaa acacanccca gcctggctca tacctgtaat ctcagcattc aagagaatga 480

agctggaggc ccactgtgag ttcaa 505

<210> 5731
<211> 570
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(477)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (480)..(480)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (487)..(487)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (527)..(527)
<223> n is a, c, g, or t

<400> 5731
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gggcgaggtg ggcggaggcg gcgcggcggg cagcccgttc cacgatgcct tccagtacgt 120

cttctccttc cgagaccccg cggaggtctt cagggagttc ttcgggggcc acgacccttt 180

ctccttcgac ttcttcgggg gagacccccc tgagaacttt tttggggatc ggaggagcac 240

ccgtggaagc agaagccgag gggctgtacc cttctctacc tcctttaccg aattcccagg 300

atttgggggt ggcttcgctt cgttagatac tggattcaca tccttcggtt ntnccaggaa 360

actcgggcct ttnttctttc tccatntctt gcggcggtgg ggcggcaggc aantacaagt 420

cggtntcaac ntccaccgaa ataattaatg gcaaaaaaat caccaccaag agaatnnttn 480

agaatgntca agaaagggtg gaagtggaag aagatggaga gttaaantcc ctgataatta 540

atggcaaaga gcagctgctt cgcatcaata 570

<210> 5732
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<400> 5732
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ggctaacacc actggaagct tgtgcacatt cattttcga tgaattgcgg gacccaaatg 120

tcaaactacc aaatgggcga gacacacctg cactcttcaa ctttaccact caagaactgt 180

caagtaaccc ccctctggcc accatcctta tccctccaca tgctcggatt caggccgctg 240

cttcaccgcc tgccaacgcc acagcagcct cagatactaa tgctggagac cgtggacaga 300

ccaataacgc cgcttntgca tcagcttcca actccacctg aacagccccc aggagccagc 360

tgcgcgggaa agaccagcac ttacttgagt gccactcagc aacactggtc acgtttgg 418

<210> 5733
<211> 473
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<400> 5733
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tgaggaagga gaccataatg tggaatacaa aggtagtatc tggcataaaa actgctttgt 120

ctgcaccaac tgcaaggaca tcattggaac caaaaatttc ttccctaaag atgagggatt 180

ctactgtgtg acttgttatg atgccttgtt taccaagcat tgtatgaaat gcaaaaagcc 240

catcacatct ggaggagtca gttaccagga tcagccctgg catagtgnag tgntttgtat 300

ntntttcctg ctctaaggag ctgagtggan agcgtttcac tnctatggat gaccagtatt 360

tttnntgtgg attgctacaa gaactatata gccaagaagt ntgctgggtg caagaacccc 420

atcactgggt ttggtaaagg cgccaatgtg gtggcccatg agcagaattc ctg 473

<210> 5734
<211> 544
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (430)..(430)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<400> 5734
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gatctaagaa aaccagattg tttcagagca tcttaacaat aactacttnt agaagcttat 120

aaaactaacc ctcctataat tctttaaatt aatgatattt ttgtttaata gtgaaatagt 180

ttgagtttga aacttgcatg acaatatctg agtatcctca gacatacatg cagtttagag 240

attcatcctg taaaagtgac aaactaaatg ggtggccaag aaatgcaaag ctatcntcaa 300

cattaatnnn acatntncaa gtcaagactt gaatccnttg taactgttgt ntgcccntgg 360

tgcatatatt caagaaagct gcgaagttcc ttaggatttt aggacgtttc cttaagaggc 420

tagctggatn tctggggata tgggttggct acaatccttc ataagtcatc cttaggtacc 480

acntcctact tccctgaaat acaggattac ccagcaactg tattctctgt tgtgatatta 540

cata 544

<210> 5735
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (487)..(487)
<223> n is a, c, g, or t

<400> 5735
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aagctcccaa gtgttcttaa agagctgcct gagaatctaa atgtatgtcc tggagtgcat 120

actgaggcct tactggtgac actgaaaatg atgtgtcagt caatcacaga gctgtcatga 180

tgccagaaag tatgaatcag atgtctgaac gtgcaacatg ctttgtcatt tagtatatcc 240

atagcttatg gaaaaaatat taatttcagt tactcactga cagcaaagtt tcatagcact 300

tataaaacat ctacagatct aaaatatggg ctcaggattt aactcagaaa catacaataa 360

gaaaatgaag tagttttgtt cggtataaat ggtttcactg atttttaaaa aacagatttg 420

ttcttcaaat atttatttat attatatata tagaaaatta atttaaatat tttttcaagt 480

caaaatntcc tttcctctga gtgctacagg tctga 515

<210> 5736
<211> 385
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<400> 5736
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gttaagacaa agaacggcta cacgccgctt atacttgcgg tgctagaaaa caaacaggag 120

atggtggaac tcttactgca ggctgcagcc aacataaacg ccctggataa ctgcaagagg 180

tccgccctta tacatgctgt gagaactcag tctaaaaaca tgatcagcct tcttctccag 240

caaggcgcca atgcatcttt ggtngacatc tatggagcta ctgcacaaag ttacgctgtt 300

tttgaaacct ttcaagtgct ttcccaaggc cctggtccca gacctgagct aacaacaaaa 360

gaggccagac acagttttga tacca 385

<210> 5737
<211> 528
<212> DNA
<213> Mus musculus

<400> 5737
gcagtccgag agctaatcaa catctacttg aagcagtttc atctagctcc agtgatggat 60

gacgcagaag tggcccactg gttcctgccc agggagcaca tcattgacac gtttgtagtg 120

gagaacccca gtgggaagct gactgacttc ctgagcttct acactctccc ctccacggtt 180

atgcaccacc cagctcacaa aagcctcaag gctgcctatt ccttctacaa cattcacaca 240

gagacacccc tgctggacct catgaatgat gcgctcatta tagccaaatt gaaaggattt 300

gatgtgttca atgcactaga tttgatggaa aataagacct tcttggaaaa actaaagttt 360

ggtataggag atggcaactt acagtattat ttgtacaact ggaggtgtcc agggacagac 420

tctgaaaagg ttggacttgt tctacagtag atgaagatgt tatttctaga aggcaacatt 480

ctcatttgtt aatattctat ttagtgatgc ctggaaatgt cattccaa 528

<210> 5738

<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<400> 5738
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gacagtaaat ggagacactg tttatgtttt ggtgatgtgt tggtgactgc accccacacc 120

ccaaatccaa atgtaacagg aatacantaa gaagaaacca cagcgagagg aaacnagggn 180

aaacctcccc aagccttact tcncagataa agggtaactt agaaaacaat acaccgtgaa 240

gtgaccccag gaggcatttc ctgggtgttg ttcctagaat gagtttaact aacncataca 300

ttttctttac cacaggggga aaaatggagn caatctagac gattttgtaa ccttaggttg 360

taatntggct tgaaaattag tacatcttta aaagttacca ctgatatttg agttcattat 420

tttgttaaaa aaattgcttt taaagtactt atgttacagg aanccatcct gaaatggaac 480

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<210> 5739
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<212> DNA
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 5739
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accaagaaga aggtagctga gcaaacagct gcccgggagg aggcgaagga ggaggctgca 120

gccggtgtgc tggaacaggc tatccctgtg cggcagcagg ccgcgctaga aaatgctact 180

aagaagagag aacgagccac cagtgacctg aggactntag agcaaaaaca ggagaagaaa 240

cgactaaaaa gctccaagaa agccaaggac cctgatcccc cagggaaaga cttcagtccc 300

tatgactaca gccagtcaga cttcagggcc tttgctgggg acagtaaatc caanccttcc 360

tcccagttcg accccaataa gctggcacc 389

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 5740

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ctggcccaaa gccccgctgg ctctcatgta tttgatgcca tcctgagtag cccctcagtg 120

acacacaagc agcgtcgtcg tgtgctgaag accctaaagg gacagtatgt ggctcttgcc 180

tgtagccgcc atggcagccg tgtattagat gccatctgga gtggagcagc tttgggggct 240

cggaaggaaa ttgctgctga attgggagaa aagaaccagg agttgattca agatcctttt 300

ggccaccatg tggctcgaaa tgtggccctt actaccttct tgaagaggcg agaggcttgg 360

gaacaacagc aaagtactgt ggccnaagcg gaggcgggca ttgagctcta tacttgaaga 420

ctgagacttg caacgggact cgntcttgat ggggagggga acatgcttac ccttcctgtt 480

tacattgga 489

<210> 5741
<211> 301
<212> DNA
<213> Mus musculus

<400> 5741
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acactttaac ctgtcaagta gtaaagttga ctggaattgg ggaagtggat tttctgacgt 120

ttgatcctat agctaaaacg aaaaggacag ttaaatatga tgtgcaggct atggctgtca 180

ttgtggttgt gttgaagctg ctgtttttgc tggatgacaa gctggaatgg tcttactcag 240

atcttgctga agcgtacaac gaacaacaca gagaagacac gccccagttt gatttcagaa 300

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<210> 5742
<211> 218
<212> DNA
<213> Mus musculus

<400> 5742
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tcagcttttt gtcatagggg tgtggcacaa gtgttgcagt ttgtcccagg ttgaaaagcc 120

tgaggctggt agaagcgcct ttttgcctca gctccgtggt tcctggtggt tgcctatgtt 180

tcaggcctgt acttaggcta ggtttagaaa ccagccca 218

<210> 5743
<211> 538
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caaccagctc aagttagtgc ctgtcacccc tggtagagat atggtgcacc atctcctgag 180

tgtgagcact gctgagggca cagaagagaa cctttctgag accagtgtgg ctggattcat 240

tgttgtgacc agtgtggatg tggaacacca agtgtttact gtcctgtctc cagccccncn 300

cgncccattg cctaagaact ntctntnctc atcatggata tccggttcat ggatctcaag 360

tagtaattgc aagaagcctc actttctggg ccatagagtt ctggtcatca ccaaaggcag 420

atggaatgga ctatagcaat cttattaagg cagctgacaa ggcccaacta gcagaaagca 480

catttgctac ctcttgaaac tggtagtagc cnagactcct ggctattatt tggttcat 538

<210> 5744
<211> 388
<212> DNA
<213> Mus musculus

<220>
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<222> (354)..(354)
<223> n is a, c, g, or t

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ctttccatgt cagctatctg gatattgagg aactgagcct gagtgggctc tgccagtgcc 180

tagtggaact gtccacccag ccagccactg tgtgttatgg ttctgcaacc accagggagg 240

cagcccgagg tgatgctgct caccgcgccc tacagtacct caggatcatg gcgggtagca 300

agtagcatcc cactgcagtg atggatatgc atcttttact tcttgctcct tctngcccct 360

gggtccatgt atccacctag ctctggta 388

<210> 5745
<211> 401
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (343)..(343)
<223> n is a, c, g, or t

<400> 5745
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aaattgccat gcagctgtgt ctaagtctga ctctttgaga gcacctttgc acttgtctga 120

gtacaaaggt gcggggttgt gtatttcttc acacactctt gacttttgtg tcaggtctcg 180

ggggttgcta gtagaagcct gaaggtcatc tacagaatat tctaaaggga gaaaatgaag 240

tcaacattaa gatcttccaa cttaatttcc cctcagattg gtcttaggca ttttaatagc 300

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cagtgttaag atgattggac tttgaaaagc tggctgtaca t 401

<210> 5746
<211> 545
<212> DNA
<213> Mus musculus

<400> 5746
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ctgcggcttc gtttcctgat atgcaccgac cgaattttcg acccccaact cctccgtacc 120

ccagcccggg gataggaggt tggggtggcg gaaataactt ccggggtgcc ctgggcgggg 180

ggccgcggcc gccctccccg cgggacgggt acgggagtcc gcaccacact ccgccctgcg 240

ggccccgggc taggccgtac gggagcagcc agtctccgcg gcacggcggc aacttctcgg 300

gggcccgctt cgggtctccg tccccgggcg gctacccagg ctcctactcc aggtcccccg 360

cggggtccca gcatcagttc ggctactccc cagggcagca gcagacctac ccccagggtt 420

ctccaaggac atctacacca tttggatcag ggcgtggtag agaaaaaaga atgtctaatg 480

agttggaaag ttattttaag ccttcaatgc ttgaagaccc ttgggctggc ctagaaccag 540

tgtct 545

<210> 5747
<211> 194
<212> DNA
<213> Mus musculus

<400> 5747
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ccgaagccta catctcagtg gaggaagttc atgacgatgg gacgccaacg tcaaaaactt 120

ttgagcatgt gactagcgag attggagcag aggaggcgga ggaagtcgga gtggagcact 180

tactaagaga catc 194

<210> 5748
<211> 501
<212> DNA
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<222> (476)..(476)
<223> n is a, c, g, or t

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aatagtgaga tgccatgaac acatggaaat ccttacagtc aacggagaat tactgttttt 180

caggcagaga aaaggacctt tttatccaac gctaagacta cttcacaaat acccgtttat 240

cctgccacac cagcaggtcg acaaaggagc catcaaattt gtgctcagtg gtgcaaatat 300

catgtgcccg ggtttaacgt ctcctggagc gaagctctac actgctgcag tagataccat 360

cgtggcggtc atggcagagg ggaaagagca tgccctgtgt gtcggagtca tgaagatggc 420

tgcagcagac attgagaaaa tcaacaaggg gatcggcatt gagaatatcc attatntaaa 480

tgacgggctg tggcacatga a 501

<210> 5749
<211> 573
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acctgtacac cagagaagtt gtaaatctca acctagtgga ccaaaaactt caaattcgaa 120

catagaaagg aaaggcggtc caaatccacc cactaattcc aagcaacaga ggaacatgga 180

agcacccaat ggggacaagg taactggtgt catttaagat gaagtaggtg gactggggac 240

acactacatc ttcaaaagga tgagagaact attcctagan tcagccacnt cagccccaac 300

gatggtttnt accaaagccn tacttgtgtn tcaaagcanc ctgtccaagt ggntctcctt 360

ttggantcca ggggctgagt gtgtgtntat ttttgcaaag tagacctaac agaatccttn 420

tntggcttgt tcatantcnt nttcantcct acagcctnaa agannatgga ctgttttntc 480

tgatccctnn tcccagtaat ccctgggaga gactgttact taaaatgagt cattaatgct 540

gtntntacat tacagagata tgattcccaa ccc 573

<210> 5750
<211> 571
<212> DNA
<213> Mus musculus

<400> 5750
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cgctcgcgaa ggcaggagat gcgacagttc ttcactgtgg ggcaacagcc tcagatgccc 120

atcaccacag gaacaggtgt tgtgtatcct ggtgctatta ctatggcaac gaccacacca 180

tcacctcaga tgacatctga ctgctctagc acctctgcca gccccgagcc cagcctccct 240

gtcatccaga gcacgtatgg tatgaagatg gacggcgcaa gcctggctgg gaacgacatg 300

attaatggag aggatgaaat ggaagcctat gacgactacg aagatgatcc caaatcagac 360

tatagcagcg agaatgaggc cccagagcct gtcagtgcca actgaggagc ttttgtttgc 420

tgaattaaaa cactctgaca tttcgctccc tttcccccaa caacaacaac aaagttctta 480

aagagcccgc atgcatttgt ggctccacaa tacatcagca gaatggtctt aattgcttcg 540

taacgtgtga gacagattac gttttcctga t 571

<210> 5751
<211> 519
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (252)..(252)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cgcacctatg ccgattacgg gtccgttgac gaatgcatgg aaggcatctg taagatgtac 120

gaagagcacc tgaagaggtt gaacccccgg agcaagtcca tcacctatgg cgtcagtcag 180

ctgtttgagt ttatcgaccg gatggtagac ctcacctgca tggtgttcct cgaagacacn 240

cagacgtaca antntcacaa ccgagagtgg gtnaaagaga ggatntacat gcttntcant 300

cagcaggcac agctggaggg ctcggantga ncttntagga gcttccggaa gagctggggc 360

tggctggggc cacagggaac atttntgatc aaagcagcag aagcaagcta tagtgatgag 420

ccattttcca tggaagactg cccctaacct gtgaataatt tntnttcaca tgagctttga 480

gaatatttnt ccttgaagtt tgtattatca cctgccaat 519

<210> 5752
<211> 313
<212> DNA
<213> Mus musculus

<400> 5752

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tgcccaccaa aatggtgaca tgattgaccc agacctgcag acaggtctgg gagttctgtt 120

ccacctgagt ggagagttca atagagcaat cgatgcattt aatgctgcct taacagttcg 180

gccagaggat tactcactgt ggaaccgtct tggggcaacc ttggcaaatg gagaccgcag 240

tgaggaagct gtggaggcct acacgagagc actggagatc cagccaggtt tcatccgctc 300

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<210> 5753
<211> 533
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (505)..(505)
<223> n is a, c, g, or t

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tagtccagac ctctgaggat aagaccatca gattatggga cagtcggggg cttcnagatg 120

gctcacatgt ttcccacaaa acagcatatc cagacccatt gtgaagtcag cgtggatgga 180

cacacgtgta tttcctgcag cagtggcttt gggggtgaag gctgtgaagc cacgttgtgg 240

gacctaagac agactagaga cagaatgtgt gagtataagg ggcatttcca gacagttgca 300

tcctgtgtct ttctaccgaa gtccacggcc ttgatgccta tgattgctac ctctgcacat 360

gactccaagg tgaagatttg gaaccaggat actggagctt gcctntccac cttgtntntg 420

gatggatcag gacccctgac ctcactggct gttggtgaca tntcctcctt gttatgcgca 480

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<210> 5754
<211> 448
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

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tctctctctc tctctctctc tctctctctc tctctctctc tctctgcatg tttgaattta 120

aaagaggaaa ggacacaagg caagaatgcc cagagcatcc tagatgggtg ctatatggga 180

ctctgacacc tcaggttctt aaagataaaa aggccagagg tacctttctg taattctttt 240

aagagttagg tcataaggaa tgaaaagagt tacttttctc cctccatgaa agtgtttttt 300

aagactgaca aggccggtgg tggagtgagt gttgttgttt tgtttcgcaa ttttcttacc 360

naagtgaaat tactgaccat aattttattt aatagttttt agtttttgaa agcctgtgtt 420

ttctttgctt ttaaactaca ggcgacca 448

<210> 5755
<211> 164
<212> DNA
<213> Mus musculus

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<222> (26)..(26)
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<223> n is a, c, g, or t

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<222> (102)..(102)
<223> n is a, c, g, or t

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ctaccctgaa gtgatggact acaagttgta atgtgtgtta tntacacttc aatcgatatt 120

agcaagtctc caactgttag caacatagtt cgtttccctt gtac 164

<210> 5756
<211> 232
<212> DNA
<213> Mus musculus

<400> 5756
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tatgaaggag gtggacgaac agatgcttaa tgtccaaaac aagaacagca gctactttgt 120

tgagtggatc cccaacaatg tgaagacagc tgtctgtgac attccacctc ggggcctgaa 180

aatgtcggcc accttcattg gcaacagcac cgctattcag gagctgttca aa 232

<210> 5757
<211> 125
<212> DNA
<213> Mus musculus

<220>
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<222> (36)..(36)
<223> n is a, c, g, or t

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cctctttcta ggtgacaaat cgatgtctct ttttattgtt ccaaagcttt agtgatgtaa 120

gaata 125

<210> 5758
<211> 325
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

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<222> (257)..(257)
<223> n is a, c, g, or t

<400> 5758
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gcatggccct ggcccagctc ctagtggagc agaatttccc agctatcgct attcaccgag 120

gcatggccca ggaggagcgc ctgtcccgat accagcagtt caaggacttc cagcgacgaa 180

tcctggtggc tactaatctg tttggcagag gtatggacat tgancgagtc aacattgtct 240

tcaactatga catgccngag gactcagaca cctaccttca ccgagtggct cgtgctggtc 300

gctttggtac caagggcctg gcagt 325

<210> 5759
<211> 494
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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<222> (299)..(299)
<223> n is a, c, g, or t

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<222> (430)..(430)
<223> n is a, c, g, or t

<400> 5759
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gaaggccaag gagaaatggg aggaggttgc gccaagacca tgctgacagc tgtgtggtga 120

gcagtgatga tgaggagctg tctagggaca aagatgtgta cgtgactacc catactcctc 180

gaagcaccaa ggatgatgga gctactggac ccaggccctc aggtaccgtc agttgtccta 240

tctgtatgga tggatactct gagattgtgc agaantgggc gtctcattgt ttctacagna 300

atgtggccac gtcttctgta gccagtgcct ccgngattcc cttaagaatg ctaacacttg 360

cccaacttgt aggaaaaaga tcaaccataa gcggtaccac cccatttata tatgaaatgt 420

tcacaactgn tcaggataga ccaatggaca gacagccagg ctggcctttt ctgcatggta 480

tctgcctcca gttt 494

<210> 5760
<211> 420
<212> DNA
<213> Mus musculus

<220>
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<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<400> 5760
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acactttgta ccagcccctt tgtcctccga cccgttaagc tttcttttgc acttgaaagg 120

agacccactg atatttcccc acgagaancc gtcccggctg cagcagttcc agtgtggaga 180

gctccctctg ctgaccagag tgaatcccag gctccgactg gtctgccttt ctctgcagga 240

gccggagctc cccaaccctc cacaagcatc tgctgcttcg tcttgatgac actgcctaag 300

gtggccccag agtttccagg accccagaca ctggagtgag gaactcctnc cccactgtga 360

tttctagtta ttctggtntc agcatncctt ggagacactg aaaacggcag atcacagcat 420

<210> 5761
<211> 493
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (452)..(452)
<223> n is a, c, g, or t

<400> 5761
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atgacgcggg agaggtgacc agagcgctgt cctcaccttc ctctctcacc gcgcggtttt 120

gttccctcta caagctggcc tgactcaggc atgcctgctc acggaactgc agtgtgactg 180

gagtgtgtgt ctgaggggag cgtttgcaga gggcactgga gccctgcaca gcccttctct 240

tctccgctct gggagagtgg acccttccag aaggggcagg ccggcccttc gcccggtgct 300

cctccttcct cgtgttttta tggatctgca ccagactgtt aacttgtggg gagatggcga 360

agttgactta tttaaaaact acaaacagca agttgttntt ctagaacttt gaacactaaa 420

tggaagaaaa tccattagca gaccgaagtc tnttcagtga accctccgaa actctgggac 480

cagtttcctc tgg 493

<210> 5762
<211> 318
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<400> 5762
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ggggaaatgg cccctgtggc tgtccccgct ccaggtggtg gtcatccctg tgaggacaga 120

gcaagaggaa tatgccaggc aggtgcaaca gtgcctgcag gctgcaggac ttgtgagtga 180

tctcgatgca gactctggac tgaccntcag ccggagagtc cgccgggccc agcttgccca 240

ctacaacttt cagtttgtgg ttggccagag agagcagagt caaaggacag tgaacgtacg 300

cacgcgagat aaccggca 318

<210> 5763
<211> 412

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<400> 5763
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gttaacactt ggatttacat gatcttttgt gtttgctttt taaaataaag tgcttgtatt 120

tgtattctcc atattctgga gtaattatct acttgatgtt tataggtctg gctttttcac 180

ccaagaaaca atctcattca gtatatttag ttttataata gtcatgaagc caaatctctg 240

cgctgtatca gaggcacaaa gtctagnaat atgtatattc acaatggtgt atattttgtg 300

ccnntgnata anttntggaa agtgtnctca gaaaacctgg cnatnccccct ctatcttcat 360

aagaatttna tatgtattta tgaagatggc tctgtactct agtcaatctt tt 412

<210> 5764
<211> 501
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<400> 5764
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ctgagattga ccaagttgtt cctgctgcac agtcctcccc agtaagctgc gagaagagag 120

agaacttgtt accatttgtg ggattgaata accttggcaa cacttgttat ctgaatagta 180

ttcttcaggt gttatacttt tgtcctggct ttaagactgg agtgaagcac ttatttaata 240

ttatttcaag gaagaaagaa gctctgaagg atgactctaa tcagaaggat aagggaagct 300

gcaaagaaga gtcttntggc nnnagttatg agcttatatg tagtttacag tccttaataa 360

tttcagttga acagcttcag gctagttttc tcttaaatcc agagaaatat acagatgaac 420

ttgctacaca nccaaggcga ctgctgaaca cactcaggga actcaaccct atgtatgaag 480

gatttctaca gcatgatgca c 501

<210> 5765
<211> 581
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<400> 5765
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atgaagacct tgagatgggc aatttcacag tttgcttcag tggagagaat tgtaggagag 120

gataaatact tctgtgaaaa ttgccatcat tatacggaag cagagcgaag tctcctgttt 180

gataaaatgc ctgaagttat cactattcat ctgaagtgct ttgctgctag tggcttggag 240

tttgactgtt acggtggtgg actttccaag atcaacactc ctttattgac acctcttaaa 300

ctgtcactag aagaatggag cacaaagccg acgaatgaca gctatggatt atttgccgtt 360

gtgatgcaca gtggcattac tattagtagt gggcactata ccgcatctng ttaaagtcac 420

tgaccttaac antctagagc tcgatgaggg gaattttgtg gttgaccaga tgtgtgaact 480

aggtaagcca gagccactga ccgaggagca agcaaggggg acggctggga actacgacga 540

tgaagtatca attagagttg gtggaaatgc ccagccaagt a   581

<210> 5766
<211> 83
<212> DNA
<213> Mus musculus

<400> 5766
aatgaggctg gcaagatcac gtgcttgtgc caggttcccc agaatgcagc caaccgggga 60

ctgaaagcca gcgagtgggt cca   83

<210> 5767
<211> 492
<212> DNA
<213> Mus musculus

<400> 5767
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gccacaggca agaacgtggg ctgccttcag gaagcactgc agctggctac ctcctttgcc 120

cagctccgtc tgggagatgt gaagaactga tgggagggaa gccctctcgg gaaagcaact 180

cgccatcaac cagacatgtc cgaaggcggg aattcagcca ggagctctcc tcccgccacg 240

aagacattgg agtcatggga cctctcagca gccctgtccg tcctgatcca gcggtaatgg 300

gaacacgcct ggagctgtcc tgtgattcat tgccccctc cattactgct ctgagcccat 360

tcatgtcagc accatctgtc taaaatcact acccaggaat gctttttaac gtcatgatca 420

catctagatg aggtcactct gccagcctga ggctttaggt ctgcagagga aggaagcctt 480

ttctctgcag aa 492

<210> 5768
<211> 92
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<400> 5768
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tggatagctt tgggagttcc tcatttccac ct 92

<210> 5769
<211> 336
<212> DNA
<213> Mus musculus

<400> 5769
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ggtgcttgct ccagtccctc cctgtcaatt ccaacttcct gttgtcttta tcacagcttt 120

tttcccatgg tattctcaga ttagtcacgc gcaagcagta gagtgggacg gtttccccgc 180

tgatacctga gcagcccccc tgtcctccca gcacactcac tgtcagtatt aaggcacagc 240

agcctgttaa taagctagcc ctgcctcaga gtgcacatgt ggggacctgc cagtggctct 300

gctctgccgc acacagcgga gcaccaccct tgatgg 336

<210> 5770
<211> 256
<212> DNA
<213> Mus musculus

<400> 5770
gatgtttatc aaattgttta ccaagtggaa agctagttct gagaaattat tatccagagc 60

ctgtgttatt ttaaagactg gacttgcttc aaaggtaccc atacgaggag cccaccgtcc 120

ctgtccctcg aggtcacgtc ccaccgctgc actaaggact cacggcccag cgtccacaag 180

actgaggccc tgtccctgct cagagaacag atccggagca ggtggtctgg tcagtcagga 240

tggaacagtg ctacaa 256

<210> 5771
<211> 255
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<400> 5771
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aagactcccg ggtttgagat catccatggc ttgctggaca gaattatgca gctgctcgat 120

gtgcctcctg gtgaggaaag cgggggctac atgatcaaag cgtctgcagg ttnctgcctt 180

tttnccctgg acggtgtgct gagatctttg ttggaggtca aagcattggg aagctaggcg 240

tccttcatcc tgatg 255

<210> 5772
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (56)..(56)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

<400> 5772
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ctccttccaa ctctagttct tggggactag gcaaggaaga agtcctagtt cgaaggccna 120

gctcaataca atggctatcc tttcagagtg tctaggacat tcagtctaac tagtactaca 180

aaacgcaaaa gtgagctccc caggccaatg agggatgtca ggtactttgg tcacagccac 240

cttttcatct cctgactgag cctggctttc tgagaggatt gcccntaggt aggtatattg 300

gaggtcctgc ttcatgcatt ctggccccat agagtcatca gggtttgctt tgaccacatg 360

ttcattctca tgctataccc aaatactntg ggataaagga ggtgtttggc aggctgacct 420

gaaaaactcc cattccatcc acctctntcc taagcccntt agttcccttg ctgctacatg 480

tat 483

<210> 5773
<211> 318
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<400> 5773
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gagactcttc aaaaggggac agtccttgtg gaagttttga aagtgggttt cattcactat 120

gtgaccttgg ctgtcttgga acccactata tagaccaggc tcgccttgta cttaggacat 180

ccttctgctc tgtnttccca gtgttgggat tactggtatg tacacaccct tacgatgtat 240

ctgaatggca tctgtcactc ttagtttctg gcaacctcaa gaatctttcc tgggggaaag 300

gacttctgtc catccctg 318

<210> 5774
<211> 271
<212> DNA
<213> Mus musculus

<400> 5774
caaacttggt gtacgccttg ctttacaaac gggacctctt tgagcaattc cgaactcatc 60

cctcattcca ggacataatg caaaacattg acctggtgat ctccttcttt agctcaagac 120

ttctacaagc tggagctgag ctgtcggtgg aaagggtctt ggaaatcatt aaacaagggg 180

ttgtggcgct gcccaaagac agactaaaga agtttccaga actgaagttc aaatacgtgg 240

aggaagagca gcctgaggag ttcttcatcc c 271

<210> 5775
<211> 516
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

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<222> (299)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<400> 5775
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tgcctgtcag tgggcaggag aactgctgtc tgacctgtga caaaatgcgg caagcagagc 120

tcagtaatga gaagatcctc tcccttgtgc actggggcat gtacagtggt catggaaagc 180

tggaattcat atgacagtca tgtctgaact ataaatggaa cccttgaagg ccttctgagt 240

tctgctgaca ggagcacttt tatctggaga caactaactc gcttantcnt ctnggagann 300

annnaantga cctctgaaaa gagaatnttg ggtatttnct tctgaaggat tatttgcaca 360

gattntacan tcaaatggat taatttgctt taaagttata aaaagcaaag agaggactnt 420

gcacactttc ccagggttct ttgtntccta gggagctgca gctgactgaa gtaaaaacac 480

tgtgctctct gtaagctcct acatcctcat ttattg 516

<210> 5776
<211> 433
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (31)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

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<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
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<222> (352)..(352)
<223> n is a, c, g, or t

<220>
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<222> (356)..(356)
<223> n is a, c, g, or t

<220>
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<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

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ccccgccggc aaggccataa cgaaggatga aaatgagtgg aaagaatttg agcaaagaga 120

ggttgattac agcggattaa gagttcaggc aatgcaaata agtgaaaagg aagatgatga 180

taatgagaag agagaagatc caggagataa ttgggaagaa ggtggaggtg gcagtggagc 240

agaaaaatct tcaggtccct ggaataaaac cgctccggta caagcgcctc ntnntccagt 300

aacagttaca gaaaccnccg gnagccnanc aatncccant ggtgtataca gncctnctgg 360

ggcaaggnta accacaacaa ngnaanacgc cacaaggacc accagaaata tacagtgaca 420

cgcagttccc atc 433

<210> 5777
<211> 171
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<400> 5777
cctggagctg aagtgcagtg ctatgattct taggttgagg atggaggagc tgaaggtctt 60

gtctgacact tacancgctg agaaagtgga aatgcatcgc ctcatcaggg accgtttgga 120

gggagccatc cgcctccaag agcaggacct ggagaagtca agactagtcc t 171

<210> 5778
<211> 399
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<400> 5778
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aagattaatg cagaaaagtc atcgaaacag aaggtggatc tacagtcctt gcccacccgt 120

gcctacctgg accagacagt tgtgcctatc ttattacagg gacttgctgt gcttgccaag 180

gaaagaccac caaatcccat cgagttccta gcatcttatc ttttaaaaaa caaggcgcag 240

tttgaagatc gaaattgatt tcttgggaag agaagaaaca tttggttgct actgtagatt 300

tacatgatta cgaggcagct ttaattgcca tgattcccct ccccantntg gacggctaag 360

aaccttcagg accacagacc tcacttctgg agttgcaga 399

<210> 5779
<211> 358
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<400> 5779
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aaaactgact tgacaggaac aattatccta tgcaccatga caagatgccc tgagctgaca 120

agtttcaagc tgactgctat tggttgtgag aggtggcctg ggtgttttct gcacacgtgg 180

gagccgtgag cacacccctt tccttgagtc agctgtttca tggatgtcct cagcagacat 240

gggtaagcaa agggaagcct ttgcanccct ccagctcact atacaaggct ttcctnggct 300

agactttnat gtacaacctt gtacagtttt tttgacatac acttcagatt cttgttta 358

<210> 5780
<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<220>
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<222> (459)..(459)
<223> n is a, c, g, or t

<220>
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<222> (461)..(461)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(469)
<223> n is a, c, g, or t

<400> 5780
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gcccctgatg actgcaaact gtctagacaa ggcagctgag cataatccca tgaaacctga 120

agtggctgga gaagggtctc agggtgagac agggaaggag gcatcacacc catcatcagt 180

gagctggcgc tgtgccttgt ggcaccaagt atggcagggg aggcggcgtg cccggagacg 240

attacagcaa caaaccaagg aagaaggtag aggaggtccc accacaggag cagagtggct 300

ggcaatggaa gctcgtntga cccaggaact aaaaggaccc aatagtganc aagagagncc 360

nccgggggan cccctcctca gctttgtggc atctncctcc caggctgagc agacactcac 420

tgtgncccca ctccaggact cccaagncct gttccctgnt nttcatnnnt tttctacagg 480

gttttatccc tcaagcactt 500

<210> 5781
<211> 194
<212> DNA
<213> Mus musculus

<400> 5781
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tgctgtagct atggaagctt tgatgtcacc cagaggcgtg tacctggctg gcactatccc 120

agtgagggtt tcttgagttc cagtatgaga tggcctgacc tgctgccaaa aagagtagca 180

gtcatttctg tagt 194

<210> 5782
<211> 403
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(353)
<223> n is a, c, g, or t

<400> 5782
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gccaaaaaga gtagcagtca tttctgtagt gcaatttctt gaggtatatg tgtgaacaca 120

catgcttgtc tgacctgttg agtttttctc cagtctccca accctgtgct cattaggccc 180

agtctgttcc ctgtagatga caaccacata gagaggctgt ctggtgggct gggccattcc 240

tgtcatggag tcagcnaact ttgcacatct acaagttatc tgtgtaatca cgtccacaat 300

gaggctctcc aaacccatca ctactcttcc ccaaagcact atatttattn nnnctgtctg 360

tctgtgccag ttctgcccac actgactgat cttgaaaacc tgt 403

<210> 5783
<211> 278
<212> DNA
<213> Mus musculus

<400> 5783
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gggaaaacag atacctcatg cactggccca ctgtctgacg ctccttcatc ctctgtgcgg 120

tctggagtga gcctggtccc ctagccaccc cctagccttg gtgtcttgag ccaattctga 180

gatgtggtct gtgtcctgga cctgctgagc ctagagagat tgtcctatgt atgtctgaga 240

tcctggagaa acctaaccga acttccaggg cagggtgt 278

<210> 5784
<211> 378
<212> DNA
<213> Mus musculus

<400> 5784
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atctactgta tcagcatgca ctggttccga gagtgggagg ccttcgtcaa ggggaaggac 120

agtgagcctc ccgggcccat cgacaacagc aggattgccc aggtcaaagg cagtggccat 180

atccagctaa agcagggggc tgactgtggc cagatttcgg aggagacctg gacctatctg 240

agcagtctgt atgggggcgg ccctgagatt gccatccggc agagtgtggc ccagctccca 300

gacccagaaa gcttgcacgg agagcagaag attgaggctg agacccgggc tctgtgactt 360

gggccatgct gagttgct 378

<210> 5785
<211> 331
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
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<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<400> 5785
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gactagccag ggaactggag gacagagagg ccgagctcag ccgcngtgac accttctaca 120

aggagcagca ggggcgcatc caggaaaaga atgctgagct gtataaactg tcttcccaac 180

aattccatga ggcggcttca aaagcagaga gcacaataaa gccccgcaga gtggagcctg 240

tgtgnctctg gcctacaagc ccnagatcct ccgctgttac cgggaccatn ctgcatgaag 300

tgcttctgtg ctcggacctg gtcaaggcat a 331

<210> 5786
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (471)..(471)
<223> n is a, c, g, or t

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tagcatggac aatccggata atgagatagt cctgtacctg atgttgcggg ctgttgatcg 120

atttcataaa cagcatggca gatacccagg agtatctaac tatcaagttg aagaagatat 180

agggaagttg aagtcctgtc ttactggctt ccttcaggaa tatgggctgt ctgtaatggt 240

gaaagacgat tatgtccatg aattttgccg gtacggagct gctgagccac acaccattgc 300

tgcgttcctg ggaggagnct gctgnctcaa gaagttatca aaataatcac caaacaattn 360

cgtaattttt aataatactt atatttatag tggtatgtca caaacttctg caactttcca 420

gttgtagaat aagcaccatg tgtaatatgt taatggttgg aactgtaatt ntcttcatat 480

tgtgctttgg tttgta 496

<210> 5787
<211> 339
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

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accgagagac agctgagtct tagtgcaatg cctgtgttga ccgcaccaca nctcatcagt 120

ctgtatatct gtgacgaaaa cagaagagcc aatgagtatg atttcaagaa agccttggac 180

ttactggagt acattgatga ggaagaagat gtgagcattg atgacctgaa gctggagatt 240

ctgtgcagag cactgcagag agatgactgg tctggttcag atggcaaaga tgatccaatc 300

gaagtgtcta aagacagtgt gtttgtaaag atcttgcag 339

<210> 5788
<211> 570
<212> DNA
<213> Mus musculus

<220>
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<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
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<222> (110)..(110)
<223> n is a, c, g, or t

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<222> (141)..(141)
<223> n is a, c, g, or t

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<222> (191)..(191)
<223> n is a, c, g, or t

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<222> (232)..(232)
<223> n is a, c, g, or t

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<222> (306)..(306)
<223> n is a, c, g, or t

<220>
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<222> (352)..(352)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (382)..(382)
<223> n is a, c, g, or t

<220>
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<222> (406)..(406)
<223> n is a, c, g, or t

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<222> (412)..(412)
<223> n is a, c, g, or t

<220>
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<222> (425)..(426)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<220>
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<222> (450)..(450)
<223> n is a, c, g, or t

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<222> (456)..(456)
<223> n is a, c, g, or t

<220>
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<222> (481)..(481)
<223> n is a, c, g, or t

<400> 5788
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agatggtata ccctcaggct gacagcaaac ttcggaacgt tgtcatggan gcagcttgtg 120

gcactaattg actgcttcct nggacagcta cgtttcccag ctgaagtcgc tagagaaatc 180

cagtgaccaa ngaacgatac agcagtctgg aagtggagta cctgcagaaa angatccgag 240

ctgctctcgc cccttctcac actaggtcag tacccatggg cagcttctct ggcagagaag 300

tattgngact ttgatatcct ggttcagatg tgtgaacaga cagacaacca ancccgactc 360

cagcgctaca tgacccagtn tnctgaccag aatttttcag attttntctt tngttggtac 420

ctggnnaaag gaaagcgggg aaaattnctn tctcanccca tttctcagca tggacagttg 480

ncaaattttt tgcaagccca tgagcatctc agctggttac atgaaattaa tagtcaggag 540

ttagagaagg ctcatacaac actgctaggt 570

<210> 5789
<211> 192
<212> DNA
<213> Mus musculus

<400> 5789
tctgcccaag gctgcattcc agtatggcat caagatgtct gaaggacgga aaaccagacg 60

attcaaagaa accaatgata aggcagagct tgatcgacag tggaagaaaa taagtgcaat 120

cattgagaag aggaagagga tggaagcaga tggggtcgaa gtgaaaagac caaagtacta 180

atctctagtt cc 192

<210> 5790
<211> 192
<212> DNA
<213> Mus musculus

<400> 5790
aagcagctgg gcgatttctt tggcatgtcc aacagttacg cagaatgcta tccagccacg 60

atggatgaca tggctgtaga tagtgatgaa gaggtagatt atagcaaaat ggaccagggt 120

aacaagaagg gtcccttagg ccgctgggac ttcgatactc aggaggaata cagcgagtac 180

atgaacaaca ag 192

<210> 5791
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

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gccttaaagc cacacttttt attctctcca ggaacctgct attgattagg ttatacctga 120

ggtacttaaa atatgcagta gaattaatgt cttactaaag tgccacaatt atttttaag 180

tagctcagta caaattaatt taagtaaaaa acgttttaga atttcaaata tcctnaaata 240

ggaaatactt gaacgtttta atgagaaatt tctatggttg aaattcatag nctttcacta 300

taggaaatgt taagaaaaat ttaaacagtt taagattata taatttttt ttcttttcta 360

tattgaggtg gccaccatac taatattcta 390

<210> 5792
<211> 131
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<400> 5792
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ctccacggaa gcggacctcc cggacctccn gggacaagtg cgacccacgg cccagcaggc 120

gatgagacag c 131

<210> 5793
<211> 349
<212> DNA
<213> Mus musculus

<400> 5793
ggctatatct aagcccgtct gcacatctaa acttagatgg agttggtcca atgagggaac 60

atctgggtta tgccttttt aaagtagctt ttaggaactg tcagcatgtt gttgttgaag 120

tgtggagctg taactctgcg tggactgtgg acagtcaaca atatgtactt aaaagttgca 180

ctattgcaaa acgggtgttt tatccaggta ctcggacact attttttgt actgctggta 240

ttgtaccagg aacattttct tttattgtta cttgcttttt aaactttgtt tagccactta 300

aagaaaacct gctcatggca caacttgcct caaatccatt ccaagttgt 349

<210> 5794
<211> 428
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<400> 5794
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ctacacctac cgagggccca aggccttcca gcggcacttt gcggagtggc gtcatgctca 120

tggcatgagg tgtttgggca tcccaaacac tgcccacttt gcaaatgtga cacagattga 180

agatgctgtc tccttgtggg ccaagctgaa actgcagaag gcttcagaac ggtggcagcc 240

tgacaccgag gaagaatatg aagactccag tggaaatgtt gtgaacaaga agacatacga 300

ggatctgaaa agacaagggc tgctntagtg ctcggttccc tgagaagcct gagaaaagct 360

tccccaacca aatgttntta aagacttttt gctatgtagt atntaccttg tagaaacctt 420

gcagattg 428

<210> 5795
<211> 555
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (505)..(505)
<223> n is a, c, g, or t

<400> 5795
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ctggccgcgt gcccaccaca gccaaggagc gggtgcctgc caccaagact gtacatttgc 120

agtctagggc acgttacacc agtgagatgc ggagtgagct gttgggcatg gaaccatctg 180

gagaatgtga ggtggacatg aggaaacgag ctgcgaaggg gtccagacct gcagatgaga 240

ggcagtcagc atccgagcta gacctcgtcc tccagaggca ccagggcctc caggaaaagc 300

tggctgagga gatgctaggc ctggcccgca gcctcaagac caacacactg gctgcccaga 360

gtgtnatcaa gaaggacaat cagaccctgt cacattcant caagatggca gaccagaacc 420

tggagaagct gaagctggag tcggagagga ttggagcagc atgcacagaa gtcagtgaac 480

tggctgctgt gggccatgct cattntcgtg tgcttcgtgt tcatcagcat gatcctgttt 540

atccgaatca tgccc 555

<210> 5796
<211> 502
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<400> 5796
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ctggctacca atccagagac attccagggc taggacagcc cgccctctgc agatgggatg 120

gatgtgagtg agtagatttc gtggctgcag atgtgactgt agggatggag gcgagcgaca 180

ctgggtctca ccaagcagcc cagggtggcc tcatggaacc ctgagcctca ggtgactcta 240

caagcctttg agttgctccc atcttcagcc cccaccctgc ccccacactt caggctcctg 300

tcttctctgg tgacggttcc tgacatccag gcaaggaata gctgtgggac ctcctgtntc 360

ctcagccacc tcaccagcac cttgcccttg ggacctagac tttctgtcct tcccagtntc 420

ctagtgcttg tggtcgaggc tactggccac ccaggtcccc tggctgggct cggctgggga 480

acaccatttt cttggtttgc ct 502

<210> 5797

<211> 455
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (372)..(372)
<223> n is a, c, g, or t

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<222> (375)..(376)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (426)..(426)
<223> n is a, c, g, or t

<220>
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<222> (428)..(428)
<223> n is a, c, g, or t

<400> 5797
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cagctgaggc agctggggct gcccactgcc ctcaagaaag gtgtggtgac cctgctgtct 120

gactatgaag tatgcaaaga gggtgangtg ctgaccccag agcaggcccg tatcctgaag 180

ctgtttgggt atgagatggc tgaattcaaa gtgatcatca aatacatgtg ggacgcccag 240

tcagggacga ttccagcaga tggacgatga cctgcctgag agcgcgcctg agtctgaggg 300

agagtctgag gaggaggatg acagctgant ntgagagcca ggactatgnc cttccagcga 360

gttnttnnna tnttnntgct ggacacccca ccccacctca ccctgccccc ggactgctnt 420

caccantnta gagggaacag ctatttattt tgcta   455

<210> 5798
<211> 393
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<400> 5798
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aggagcccga tctctgtggc ggcagncagc tatttacatg gcttcccagg cttcagctga 120

gaagcgaaca cagaaagaaa tcggggatat tgctggtgtt gctgatgtta caatccgaca 180

gtcctacaga ctgatctacc ctcgggctcc ggatctcttc ccttcagact tcaagtttga 240

caccccagtg gacaaattac cccagctata agctgaggca actaagtgtc acantcttaa 300

tgtacatgga atatggaact ttgtacatan ccacacagtg ctggttganc ctttaatgag 360

gaaaaaggag atggtaccca ttccagagct aaa 393

<210> 5799
<211> 140
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

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ttggacatca cantgaccca ggccctgcag caccgctcgc agtattttga gggtgtggtg 120

aagtgcagta agctggaaac 140

<210> 5800
<211> 373
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (189)..(189)
<223> n is a, c, g, or t

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<222> (191)..(191)
<223> n is a, c, g, or t

<220>
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<222> (204)..(204)
<223> n is a, c, g, or t

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<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 5800
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cagacatcct gcaagccctg atcctcacac cagcaggtgc caaacagaag gagacagaga 120

ctgaatgacc nccgtgaatg tagacgcccg cgcaggagaa cttgaacaaa ntntngggnt 180

cacggtttnc ntcatgaaca ctgnctncaa tagaagagag taaaatggct aagaatgtat 240

accagggttt agcgatgggt atttttccag tgatttgtaa gtataggaaa agattttatg 300

tgcttgaaga ttcaggcttg cgttcaaaga ctgccctcag acctntntga aggattttca 360

atgctgtatg tca 373

<210> 5801
<211> 263
<212> DNA
<213> Mus musculus

<400> 5801
tgacagagca gtactgctgc cgccgctgcc tcctcctgaa gcgccttgac ctcacaacat 60

ctgctttcca ctggggtgac cgggcagagg cccacggaga ggtcatgaag gcggtgctgt 120

ccccaatccg agggcttctg actccagaat ctgatgtctc tatcgcacat gttctggctg 180

cccgagctga cctttcccgc ctggtcccag ctaccagtgt ggctgcccga cgagggacca 240

gttgtgcaat caacaaggtg ctt 263

<210> 5802
<211> 440
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<400> 5802
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caatcatgaa ccaggagaaa ctcgccaaac tgcaggcaca agtgcgcatt ggtgggaaag 120

gaactgctcg taggaagaag aaggtggttc acagaacggc cacagcagac gataagaaac 180

tgcagttctc cttaaagaag ttaggggtga acaacatctc tggtattgaa gaggtgaaca 240

tgtttacaaa ccaaggaaca gtgatccatt ttaacaaccc taaagttcag gcatccctgg 300

cagcaaacac cttcaccatt acaggccacg ctgagacaaa gcagctgaca gaaatgcttc 360

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<223> n is a, c, g, or t

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tgaaaatcct cattaccagt ctccaaacat gcatcggcgt gtcataagat ccatcacagc 180

tgccaagtat agagagagac agcaagtcaa agatgttcag aaactgagga agaaagaacc 240

aaagactatc cttccacatg accccactgc agacgtgttt gttataccag cggaggagaa 300

gccagtagaa atacagtggg tgaaaccaga gcctaaagta gatctgaaag caaggaagag 360

acggatttac aaaaggcatc ggaaactgca acagaagatg agcagaggga gtgcaaagtg 420

aatcagagga taactgtatt tattttgtat tccatgtgta aatactttta gtatacagaa 480

ncgagctatg cctaattagg gcaccatttt aaaaaacntn gaaatcttta agtcggtgtt 540

ggtct 545

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<212> DNA
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gtcctcacgc gcatccctgt ccaggccgct gtgaaggtgc aggccttgat gggtgcgcag 180

ggtggcccct gtgagggtgc acagggtggg ttgttgaaat gttgctgaac tctttcctac 240

acgtttcata attaggaagg gaaggaaggg gtgggcgtga gagcactggt gttcgtacac 300

tcagcaggaa gctgctgtct ggctctgctg atccagaacg gcactgcctc aagagggtgt 360

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<212> DNA
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<223> n is a, c, g, or t

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gaacgcagnt ggccccaggg tctggccaca ctagagacaa gacagatgaa ccggcgctac 120

tatgagaact acgtggccaa gcgcatccct ggcaagcagg ctgtagtggt gatggcctgt 180

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ggactatccg gcctagaatt ttacccttgg ggtccatttt aatgcaggcc aggcatttcc 180

nccttctctg gggaggagaa cagggatgtc agagtggaga ctagcctctg gcatgctctg 240

gagtgggcga tgtagtgatt tgaataagaa tntcccccat aggctgacat atttgaagat 300

ttgntctcca gttggtagtn ctgtttgggg aggttttgaa ggtttgacct tgatggagga 360

agtacntcag tgngnnncag gctttaagat tttaaaacct cgaaccactc ccaattcact 420

ctttntgcgt tctgtttacg aggaaggctg tgagctntca gcttcctgct ctgnccacca 480

tncctgctgg catccacatc tccctncctc ccaccatgat ggacttttat tcctctggaa 540

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agctgcagct gagccatccc ggtgaaggag tcttcacaca ntgaattggt accatccgtt 120

gttggagatc aaacctagaa tgtccttagc cagggacctg gaaatgagtg gtggccacag 180

tctgttagga gtcgcttttg cagagtggat acatgtttct gctgt 225

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<211> 215
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tgagccctca gccaggcttg ggtcaggaat gccacctgga gactgccagc tgacacctga 120

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<223> n is a, c, g, or t

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gcagcagcag catctggagt ctcagctgac ggcatgcagc ag 102

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tctgcacgtc agcctcgact tcaccccacg aggccttaga tggcacagtg agcccacctc 120

cctttcccag ttgctagtgc tttgacccct cactttgttt ccatgaagag attatctttc 180

agttgtggac ttgactgtaa agaggcttnn tnncccagag tgtagcactt atggatntgt 240

ggtgtttggg gagccaggtt agagcaattg gctgcactgn cctcccacta atataacctn 300

gctntcagaa ncctgactca agccntcact ccttgcatag nctcctgagg ggagaaccgt 360

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ntccttgtat tgctattggt tttccat 447

<210> 5811
<211> 362
<212> DNA
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aatcctatga atgcagtaac aacaaaattt gttaggacat caacaaacaa agttaaatgc 120

ccagtatttg ttgtgaggtg gaccccggaa ggaagacgat tggtcactgg agcttctagt 180

ggggagttca ccttgtggaa tgggctgact ttcaactttg aaaccatatt gcaggctcat 240

gatagccctg tgagggccat gacttggtca cataatgaca tgtggatgtt gacagcagat 300

catggaggat atgtgaaata ttggcaatcc aacatgaaca acgtcaagat gttccaggca 360

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<212> DNA
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<223> n is a, c, g, or t

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agcttctcct ggtcagaaag cggctgcttg gcttggagcc tgaaggcccc atcgttgacc 120

acatcacact gctggagggt gtgattgtgt tagaggagtt ctgcaaggag nctggcggcc 180

attgcctttg ttaagtacca cgcttccgcc acgccgtgaa ggccccgggt cactgcacat 240

ttcctccgct cagccacgag aggctaaaac gccttgcaaa tgaagnatcg antnnannnn 300

cacagaatnt taagaatcca ctgcgtgact nctctcagtg aggcctgntg ttgcttcctc 360

tcgcntctnc cataatgatt cccngtatgg ttncacgttg ttcaaaccca ggaaacaatc 420

agacctgagg agactggntc tccagtgacc gagaagctnc aaagcttgtg atntcaggaa 480

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ctgggactcg aatgcttata tt 562

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<223> n is a, c, g, or t

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caaacaatgg atagagaaca gtaggaagca gacacctgcc cctcctgcct tttctgaggt 180

gaaagaaatg atctggtcag cttactgatt ttgntctgag gacatttttt atatagttta 240

tattacttta gacctgtagt tctcaacact gatannnnca ctttanccat ttctgctcga 300

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<223> n is a, c, g, or t

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ttcaggatag gattcaaatt aaatagaatt caactaacta aagcagatgg ccacaataaa 120

agctgtgcgt gtcaggttag tctggggnna nggnnnnngn ntnngnnnnn nnnnnnnnnn 180

nnnngacatt taaggctgac tggggatttg ctaccacaga agctaagcta aataccaagc 240

cttgccgtgg caatttgcat ttccacaata aatttggatt ggggtggggg agtgccagga 300

cctcaacctg gttaaggttt ttgctctacc actgagctgt attagaagcc caaatctgtg 360

atttggaagc agattcacag tatggaccga ttgaccaaag acaaccttat tgcaagaaac 420

ttcatctcta aacctgggct 440

<210> 5815
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<212> DNA
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gcgaagcata cctggtgggg ttgtttgaag ataccaatct gtgtgccatc cacgccaaga 180

gagtcaccat catgcccaaa gacatccagt tggctcgccg gatacggggg gagagagctt 240

aagttgaagc ggtttttatg gcatttngta gtaaattctg taaaatactt nggtttaatt 300

tgtgactttt tttgtaagaa atntgtttat aatatgttgc atttgtactt aagtcattcc 360

atctttcact caggatgaat gggaagagtg actgactgtt cacagacctc agtgatgtga 420

gcactgtggc tcaggagtga caagttgcta atacgcagaa gggatgggtg atacttcttg 480

cttttcatga tgcatgtttc tgtatgttaa tgacttgttg ggtagctatt 530

<210> 5816
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<212> DNA
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<223> n is a, c, g, or t

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agaactcggt gtcgctgtcc gccggcgatc aagccaacag gatggcccac cgatcctccc 120

aaggagatct caacccgtcg gccatggctt gggcaatggt ctccggagat agcttcctgg 180

ttantaggct ggatccgaat cagccgggac ctcg 214

<210> 5817
<211> 169
<212> DNA
<213> Mus musculus

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ccacactctt cgagggctac aaacatggaa cggagcaagg tctgtatccc acttttccgc 120

ttgtgagcag tctggacttc tcactactcc atgatgaggg tgagtggct 169

<210> 5818
<211> 264
<212> DNA

<213> Mus musculus

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ccaacagtcg ttccatcttt cctgatcaca acaagaaatc agtgtctgcc tgttacagca 120

aaagaaaaaa atcatgattt cttttctgtg tcacctgagt caaggaaaca tgttcctccc 180

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<210> 5819
<211> 589
<212> DNA
<213> Mus musculus

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atgcatcaag tcaaacattt agcagaatca gagtctttgt tgacaagtcc ccccaaggca 180

tgtacaaatg ggtcaggatc cctgggatct acaacaccag ccagcagtgg gactgcaacg 240

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tctttggatc tgagccctca aggtcgatta agtgatgttc tcaagagaaa acgactgcca 360

aaacgagggc caagaaggcc aaaatattcc cctccaagag atgatgacaa agtagacaat 420

caagctaaaa gccccaccac tactcagtca cctaaatctt ccttcctggc aagcttgaat 480

ccaaaaacat ggggaaggtt aagcgcacag tccaacagca acaatatcga accagcacga 540

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<212> DNA
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gttgagccgc ccgccactgg agtgtcagaa gtacttctcc agatggccca ggacatttaa 120

tagttgtttg tgccgaagcg tctctcagag ttttgcatga gattctagta gcgttggtag 180

gacctgccat gctcatccgg cagggtatca gagcccagtg accctgtcct cccttcaagc 240

tactgactga aagggaagag accaaaagac ccaagtgagc ccagccctgt cagcaaggct 300

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caagtttcag atcatgtcag accagatcat cggaaggata gatgacatga gcagtcggat 180

tgacgacctg gagaagaata tcgctgacct catgacccag gctggagtag aagaactgga 240

ccctgaaaac aagattccta ctgcccagaa gagttgaagg ctgccggtnc nnantnnann 300

nngnnnntnn nnnnnnngnn ncaagacaaa aaccaagtgg ctttctgcaa ctaantccta 360

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<222> (358)..(358)
<223> n is a, c, g, or t

<400> 5822
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gcgtggatcc tctaagacac tcatcaccgc ctcttacagt caagaaacca gtgctgtccc 120

caaaccccgt gtagctctgt tattaccata ggggacttgg ttttggactc tgatgaggaa 180

gaaaataacc agaaggaagg gaaggagttt ttgaaaaact anccagaaga cgaagtttga 240

cacctatatc cccatgtttt gtgactacat cccgtagtnt cctgcctatt cctttctggc 300

tacctaaacg gttctcantc agntcctctg gaatattntc tgcactctgt ccatcttntg 360

ctgcagctct gcatgcaatt tagtggaaaa gaagaggaag tccagacttg agttgcctgg 420

ctacattgct gaaa 434

<210> 5823
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<400> 5823
aaaggtggct ctgcgggtcc tattccctga ccgctacatc ctgcagggct tcttccgccc 60

cagtgagaca gtgggggatc ttcgagactt tgttaggagc cacctgggga accccgagct 120

ctccttttac ctattcatcg ctccacccaa aatggtcctg gatgaccaca cgctgactct 180

ctttcaggca aacctcttcc ctgctgcgct tgtgcacttt ggagctgaag aaccaacagg 240

tctctatctg gaacctgggc tgctagaaca caccgtctcc ccatctacag ctgatgtgct 300

ggtggccagg tntatgtccc gggcttccgg ntccccacct ctgctgccag cccctgaccc 360

tgtatccctg gantctgagc caatcgctga ggatggggca ctggggcccc cnagagccca 420

tccaagggac agcccagccn tgtgaagaga agcctgggca aagtacccaa gtggctgaag 480

ctgccagcca gcaagaggtg agagctacca gcctggagat gcctatcacc agccacag 538

<210> 5824
<211> 516
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

<400> 5824
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acctttccaa gtccgatgcc accttaccag aaagagcttg agctaggatt tgaacccagg 120

caccctgggt ttaaaatttg tcccaccctg gtgatctgcg tgtgtccatg gacacaccgc 180

tgaagcgaag acatgtccct tcacagaaac cggtaatgag ttcaagtgcc aggaactggg 240

ggtgggggga gtggtgaggg cagaggaacc ctaaagatgc aaagcacctg gaagacaggc 300

tttcctcaag aagcaatngc cagaggnccc tggaactggt cagcttggtt ctttaaagaa 360

atcagctgtc tggagttagg tgataaactg atcattccgg gtagagttaa aggacctggg 420

gaccctgcta gatcccagga aggaccatca gcagcttctg agactgcctc atggggctca 480

cttngtctct caagctctga atttctcctt tgtgca 516

<210> 5825
<211> 122
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<400> 5825
cccagaggta cgtggtggct tgtaaggagc ccaagaaaaa gtgaatcggg ctggtaggct 60

tgaatctncc actnccaacc tcatgggaga aggctacaaa ggagttccta tgatcaaata 120

aa 122

<210> 5826
<211> 304
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<400> 5826
ctctggatcg ggaaacctgg tgacaagccc ccacccctct gtggagccat tccagcctca 60

ggggactatg tggccaaacc tggagacaag gtggctgcta gggtgaaggc tgtggaaggg 120

gatgaacagt ggatcctagc tgaagtagtc agttacagcc atgctaccaa caagtatgag 180

gtagacgaca ttgatgaaga aggcaaagag agacacaccc tgagccgtcg gcgcatcatc 240

ccactgcccc agtggaaagc taaccctgag acnaganccc tgaggccttg ttccagaagg 300

agca 304

<210> 5827
<211> 479
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<400> 5827
actcttccca atggtgctat gaaaactttg tacagttcag atccatgcgc cgagcccggg 60

atgtgcggga acaactggag gggctcttgg agcgtgtgga agttggcttg acttcttgcc 120

aaggtgacta cgttcgtgtg ngaaangnnc atcacttcgg gttattttta ccacactgcg 180

aggctgactc ggagcggcta ccgcacagtg aagcagcagc agacagtgtt tattcatccc 240

aactcctctc tctttgaaca acagccacgc tggttgctct accatgagct tgtcttgacc 300

acaaaggaat tcatgagaca agnnnctgga gattgaaagc annctggctt ttggaagtgg 360

ntccccacta ctataaggcc aaggagctag aagatcccca tgctaagaaa atgcccaaaa 420

aagtcggcaa gacacgagaa gagctgggct agagagtgac atggaccaaa tccttgcag 479

<210> 5828
<211> 236
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (176)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<400> 5828
agctgtggcc acagatgttc atcgagcttg tgagagacgc tgtcatagag atccgcagca 60

aggattccta catgaaactn ctgcctgcag cagatcactg accagaaata gggatggctg 120

ctacttcaga cttgggcaat tggagctttt tcgaagtttg gtaanatgca ggttanacat 180

gatnagacnc cnccnctacc gcacagtnta gaaagagtgg catcaaagcc tgcccc 236

<210> 5829
<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<400> 5829
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agcgtttctt aagagcatgg ttgtaatgtt cgtaaagcag acctcatcat aagaagaaaa 120

tgaatgacat tttctctcct gtggaagtcc caatagccag agctcctgat attttagaaa 180

cagatggttt ttaagtggcc acatgtaatt ttatgcagtt gactatatat cttaaactta 240

ataagctcat tttgtggttc attagtttaa ggtatttgtt tactaacatg tttttagaga 300

aaatactgtt acttggcatt aattgtccat ttacagtgtt ctgttaagtt cctcatgcta 360

tgcaccttac ataatttccc taaagaacan tcatctatca ctgtggtgtt aaaccgcaat 420

ctggatataa caaacaccat cactgcttgt gggtaatgtg ctgtcat 467

<210> 5830
<211> 549
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<400> 5830

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taagactttt ttccctgaca gtattatgta atttttagcg tgggtagatg ggagtgtcgc 120

ttgtatgtta ccatacagct gacatgtatt ttttgtctat tctttattat cttagtagtt 180

tcatgctgtg tatgtaccat aaccaaccta ttgcctatga gaaacatgta agataatgta 240

tttacagcca ttgttacaag tttataatgt atttttctat cttgttttat atgtatgtta 300

tataacattc aaaagaattt ttttcttgat tgagaaanag gatacnanaa tngcaaaatc 360

cacaattttg ataactgaaa attnccaatt gttttncagt actttattat attgggtntc 420

ttntctttct tgggctttta gttagctgat gaatgaatac attagacact tctgggtttt 480

agttgggatt ttacatagct tgcattttag ttctttggtt ctttgctgtt tctattaacc 540

catagcatt 549

<210> 5831
<211> 310
<212> DNA
<213> Mus musculus

<400> 5831
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cccactctac agccagcttc tgcaagcata caaatggtcc aacaagctgc agtaccatgc 120

aggtctagcg tctggccttt tgaaccaaca gtccttgaag cgctctgcaa atcagatggg 180

tgtgtctgcc aagcggagac cgaaggccca gcccaccact ctggttctac cacctcagta 240

tgtcgatgac gtgatcagcc gcattgacag aatgtttcca gagatgtcca ttcacttatc 300

gagacccaat 310

<210> 5832
<211> 340
<212> DNA
<213> Mus musculus

<400> 5832
agcatggagg gcttgtccaa gaataagctg aagaaacaac tgaggaaccc tcacaaaacc 60

tttgaccctt ccctgaaacc caaatatgcc aagtgtgacc agtgtggaaa tccaaagggc 120

aataggtgtg tgtttaatct gtgccgtggc tgctgcaaga agcgagcttt cagagagaca 180

gcagattgcc caggtcatgg attgcttttt aagaccaaat tagagaagtc tttggcctgg 240

aaagggaccc agcctggact gcaggaagcc cagcaggtga ggcctgtgac accaagtggt 300

ttctctgaag tcgtgggtag tgccctagcc tgaaagccag 340

<210> 5833
<211> 462
<212> DNA
<213> Mus musculus

<400> 5833
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ctggacccag aggaagcgcg aggattgggg gtggcccact taacaagggc cagctcggac 120

atcgtgtctc tagccgggcc aagtgctgga ccttgcagct ctgaaggggg ctctcacgcc 180

gcagctctgc tacagtggaa gagcggtccc tggatcgtgt cccctatggg gtgtctgtga 240

tcgagcgaaa cgctcgtgtg atcaagtggc tatatgggtt gcggcaggct cgtgaccctc 300

ccaccactga gggttaggcc tcctggactg gggtttcccg ggaagacatc gtgaagagac 360

agttggcact ttgtcctttc ctgtatccat tggctgcctt cctgcagacc cagagactct 420

tgggtgaatt taatgtagag gccaagactt agaccagcat cc 462

<210> 5834
<211> 143
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (46)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<400> 5834
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tgatangtgg gtcatgggct caggtcctta tcccaggatc ctctaagcct taggtgttgt 120

ggcaagagtc tgtacagata tat 143

<210> 5835
<211> 285
<212> DNA
<213> Mus musculus

<400> 5835
gacagaattg aaatgcctgt ggccacacag aagactgaca caggcctgac ccagggactc 60

ctgaaagtcc tgcacaagca gtgtagccac aagcaatatg tggagttagc agatcttgag 120

aagaagtgga aaaatttgtg cctgccagta gaaaagctca gaacgatcct ggagctggat 180

ccatgtgagg acaaaataga gtggatcaag tttttagcgc tcggatgcag ctccctgggc 240

aggaccctga acacggccat gaagaacgtg tgtgagatcc tcacc 285

<210> 5836
<211> 518
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (472)..(472)
<223> n is a, c, g, or t

<400> 5836
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tggcttaagg tgtacagatc catctatttc cttggacatg tcttcttctt gagcctacta 120

ttcatattgc cttatatcca caaagcaatg gtgccaagaa aagaaaagtt aaaaaagagg 180

gaatgatctc tgtctttccc tggtggccga gagctggact ggtgcagaaa nctacttgtc 240

tcccttctca cagcactcct caccccagca gagacgccag gagctggaag tcacagcact 300

cccagctgtg cctctgcgac agccnaaagg ggaagctctt gtgggaggag cagaggggct 360

gcacccccct tggactcccc catgcacgtt gccnttatct nctcccctct agccaggaat 420

ctgttgtttn ctcttctgcc aatctactac gattgtatat gtgccgatac cnccaccccc 480

cccatggggg gagggaaggg tacaaggccc tgcctgct 518

<210> 5837
<211> 369
<212> DNA
<213> Mus musculus

<400> 5837
gcaggcaatt ttatctcttc agtcagagca gacaccctta atgtcagcac actggtgctt 60

aaaaaacacc ttcaaagttg gtgctgtggc aggaaatgat tggattattt gggatatcac 120

tcggtccagt tatcctcaag aaacaagacc tgttcacatg gaccgagcac acttatttag 180

gtggtcggcc attagtgaaa acttgtttgc aaccactgga tatcctggca aaatggccag 240

tcagtttcag attcatcatt tagggcactc tcagcccgtc ctcattggtt ctgtagctgt 300

cggttctggt ctttcctggc atagaacact tccactgtgt gcagttggag gcgaccacaa 360

gctcttgtt 369

<210> 5838
<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (353)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<400> 5838
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tcttgtttgg gcatatttga gcaaattttt ggacttatcc gtagcccttt tgtggaaaat 120

acttggaaaa tcaaatttat caacctgaga atcattggag gaagttccct tgctcctgaa 180

tcagtactga agccatctgt aacatttgaa ccaagtgatc tggaggcctt ttataacgta 240

atcaccttgt gtaatagccc tgaagtaaga cctaacgtaa ggcagataat agatagtggc 300

actggagacc aggttttaca tagtggagat gaggcattgt tgaacaaaag ggnnaaatga 360

atttgctaac ccctntaaag cattgagcac tgtacctntg cttgaagaag ctgcagaaac 420

aacactgacc atctatntnt aagccactgc cgatgtgaga attgacatat tttagttgaa 480

ataccttttt ggactacaga ctaatgtgaa tacttgccta tttctacctg ag 532

<210> 5839
<211> 96
<212> DNA
<213> Mus musculus

<400> 5839
tggccttggt aactccctag cccagagact gtcgcaggat gcagtgacag tcttaacctt 60

tgtggcatcg ggcacataca gaaggcacaa ctccaa 96

<210> 5840
<211> 167
<212> DNA
<213> Mus musculus

<400> 5840
tggccttggt aactccctag cccagagact gtcgcaggat gcagtgacag tcttaacctt 60

tgtggcatcg ggcacataca gaaggcacaa ctccaaggca ataaaccagc cctgcacata 120

ctctaaggcc ttaaggcttg aaagactggc tcagttgctt caccagc 167

<210> 5841
<211> 535
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (495)..(495)
<223> n is a, c, g, or t

<400> 5841
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aaatttgaat gttactcttc aagtttggga tataggaggg cagacaatag gtggcaagat 120

gttggataaa tacatctatg gagcacaggg aatcctcttg gtatatgata ttacaaacta 180

ccaaagcttt gagaatttgg aagattggta ttctgtggtg aagacagtaa gtgaagagtc 240

agaaactcag cccctggttg ctttagtggg caataaaatt gacttggagc atatgcgaac 300

agtaaaagct gataagcact tacgattttg ccaggaanaa tggttttagt agccactttn 360

nttcagccaa gacaggagac tctgtcttcc tgtgttttca gaaagttgca gcagaaatcc 420

tgggaatcaa attaaacaaa gcagaaatag aacagtcaca gactgtatga gagtgcttcc 480

agatgagtca tgatntcctt ggatcattgg ggatcgatca cactggacct gttgt 535

<210> 5842
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<400> 5842
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agcctcgtgt ttgagcctga tgaagcactg cgtgctcatg taccaggcac tgccgtcctt 120

ccacgccatc ttcaggcccc atcaagccct cctgtcgaag catcttgcag attgtagcct 180

cccccaagaa cttcaggagc tggctcaaag catactgtca gcaatggaag gccagaagca 240

gcactgccgc ccgctggtgt gtgagaagag caagcccgtc ccactgaagc agttcacccc 300

ccggctagtc aaagtgcttg agtttggacg gaaacaaggc agcagtaaag aagaacagga 360

aaggaaaaga ctaatccaca aacacaagcg ggaatttaaa ggcnccntnc cgagagatcc 420

gaaaggacaa tcagttcctg gccaggatgc agctntcaga aatcatggaa agggatgcag 480

aaagaaagcg taaagtaaaa cagctttta atagcctggc cacgcaagaa ggtgaat 537

<210> 5843
<211> 573
<212> DNA
<213> Mus musculus

<400> 5843
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gaacattgcc aacatcatga agacattggc ataccgaggc ttcatcttca agcagacatc 120

aaagcccttc tgattggcag aggacgggat ggggcaggac agggtagctg cttggcccaa 180

accagaatcc tcctctccct caccagaggg aaaagggaga gtggcacagc tctgcgccca 240

gagtgtcccc cagctgccct acaggcttgt gccctgtgtg agggcatggc cacttggccc 300

ctctggagca gacactttgt gccccacccc actcccattc ctcagtctca gcccagtatt 360

agcccctgcc attatgggcc tgggctaggg ggaacccagg tactcaactg ccttctccct 420

agtacacagg cttctgctgg ggccaccaag ccctccctgt gcccctccca tccatagtgc 480

atggtgtgtg gtgcccccag ggctccagga cagatcaggc cccaccttgt gtccaccctc 540

ccctcatccc tgctgtgaac gtgccacttg aat 573

<210> 5844
<211> 250
<212> DNA
<213> Mus musculus

<400> 5844
gaattttcac actctttaca tgttatgcat tgtctgattt aactgtttat tcagttagat 60

atagcttttc ttgatgagaa ccttcattca atgagatagc aaatgaaccc agaagcattt 120

atttaaaata actgaatgga ggaagtacca tccgataaag tttacaacgt ccacatcttt 180

tcgttgctgt ttcatactgt gctttgttgt ttgtgaacaa catcatttta cccatggagg 240

acacgtatct 250

<210> 5845
<211> 177
<212> DNA
<213> Mus musculus

<400> 5845
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atttttgac cttgatgact actaggtagt cgacatgggt ccggcaaccg tgcctcaccc 120

tccagcattc aacccaagga gcatacccgt ggtggagtcc aacagatccc tgcctta 177

<210> 5846
<211> 283
<212> DNA
<213> Mus musculus

<400> 5846
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ctgtcctgga tcacaaccct ccaggctgca catttacagt cctcgtgcac acaagagaag 120

ctgctactcg aaacatggag aagatacagg tcatcaagga cttcccatgg atcctggcag 180

atgaacagga tgtccacatg cacgaccccc gcttgatacc cctaaaaacc atgacgtcgg 240

acattttaaa gatgcagctc tacgttgaag agcgagcgca taa 283

<210> 5847
<211> 138
<212> DNA
<213> Mus musculus

<220>
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<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(50)
<223> n is a, c, g, or t

<400> 5847
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ttttctggtg ttttgtgttt ctctaaggcc tttgagcctt agctttctgg tttttcttgc 120

ctcccaattt agggatcg 138

<210> 5848
<211> 531
<212> DNA
<213> Mus musculus

<220>
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<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<400> 5848
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tgtgcattta tatttttgtg gagtgtacct gggtgtctta tagattttta taatactgca 120

tttgtgtttt aaatgattac atttatacct atatggctgt aaattttatt tcttagctgg 180

tgtagacctg tcctttagta ttttgtctct tcaaaaagaa ttaaagtaca ttgacttgag 240

tttaagatta agtaaatata ttttttaaca aaaacatact acaaattcag ggtaaactat 300

ttngttgtta taatgttaag aaatttgaga cttttagcca tttctatttt ctacaanttg 360

aaagntattt attttgatgt atatattagg gtancaaact tgtactattt cattttagt 420

aaatgaaaac ctaaaaattt tgtatgtaga aatgtttgaa cttgtttatt tttaatctcg 480

agtatttagt tgccaaagta gaaaaggtat tttgatactc tgtatgtgta c 531

<210> 5849
<211> 559
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<400> 5849
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aggaacccca ttgacgtgga ccccttcacc catgagagca ctcaccagga gggcctgtat 120

gccctggggn ncgttggnct ggggacaact ttgtgagatt tgtccagggn cggggccctg 180

gctgctgcca gctccctgct gaagaaggag accaggaagc caccttaaca ttagcctggc 240

accctgacac ccaggccctg aagaggaaga gggcttanca cagcccagcg ggacgtgagc 300

ccatctaaag atttcccatt tgggaaccag tctccccagc agaaggggaa gacttgancc 360

atntggatgg actatctgcc ccagaggcat ggggaacaca ggctgcccnt accctcaggc 420

gagatgaggc cccaggtggg agcagtancc atagaccagg ggnccccctt gaaactgtca 480

gtgtgtgctg gagtcacagg gccagctgag tgtccaactt ggagggcccc aggcccaact 540

tttcaccatc agatctgta   559

<210> 5850
<211> 488
<212> DNA
<213> Mus musculus

<400> 5850
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ttccctaaag gaactgtatt tacaggaaaa tgtgaaacat ctggttttca gtgtcctgag 120

atgctcagta acaagccatg gaactaccag attgattact ttggagttgc tgcaacaata 180

tactgtatgc tctttggctc ttacatgaaa gtaaaaaatg aaggaggagt ctggaaacct 240

gaaggtcttt ttagaaggct tcctcatttg gatatgtggg aggaattttt tcacatcatg 300

ttgaatatac cggattgtca taatcttcca tctttggatt ttctgagaca gaatatgaag 360

aaattacttg aacaacagta ttccaacaag attaagacct tgcgtaatag gctaattgtg 420

atgctttcag aatataagcg ttcaagaaaa taaaatgaat atggaccttc tccaaaacac 480

acttagta 488

<210> 5851
<211> 298
<212> DNA
<213> Mus musculus

<400> 5851
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cagaacacag ggattgtgga agtggaggag ggtgaagtga atgggcagga gctgtgtgtc 120

tcatcccatt ccgtctccag gatctccttt gccaaggagc cccatgtgga gcagatcact 180

cggaaattca ggctgaattc tgaaggcaaa cttgaacaga cggtctctat ggcaaccact 240

acacagccaa tgactcaaca tcttcacatt acctacaaga aggtgacccc ttaacctg 298

<210> 5852
<211> 444
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<400> 5852
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gtccgtgatt tcttttgagc cccaggcttt tgttttcatt cagactcttg ttctgttttc 120

tgatgagcag gagacgggga ccacttgatg gtagactgtg gtagttgggt atgttctcat 180

acagaagagc attcgtgtaa cttctgagac agggtgatgt ttagagaagg gctctggctg 240

ctgccctgaa tggagccaga ggaagaagcn ccttttcctt tgggaaaggc tgctcattaa 300

atgaagtgag gatcaggtca ggggagggtc aggcctggct gggcggcaag agtgctaanc 360

tccagtccan tccctgccag aggctgagca aaccagtttc aaaagctaan tccccaaatg 420

gcagcagttt atgttctgat ctgt 444

<210> 5853
<211> 125
<212> DNA
<213> Mus musculus

<400> 5853
accaacgttg ctcacatcat ctcttacagt gcacgcttcc ggactctgtt acataggccg 60

ccaccattgt tcatagcatc tcttaaacag tgcacgctct ctctgtgtat ttaagtgttt 120

ctcaa 125

<210> 5854
<211> 445
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<400> 5854
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gctgcctggt ggttgaagac cctgtgcatg gcatccgcct ggaagccttt acccaagcca 120

cgcccgtgcc tttggagttt gtgcagcagg cgcaaagcct gactccccag gactacaatc 180

tgaggtggtc aggccttctg gtgacagtgg gggaagtcct ggaaaagagc ttgctcaatg 240

tcagccggac tgattggcac ctggctttca ctggcatgtn tnnnncgaca gatgatntac 300

agtgcagcca aggccgtggc gggcatgtat aagcagcggc tgccacccag gcccatgtga 360

gagcagtgcg gggacacgga gacctgccnt cgtcaccttg ggctccatgc agaggaacct 420

gagtggcttc cgtgaatcca acagt 445

<210> 5855
<211> 455
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<400> 5855
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tagctcattg tgcttttgaa tacgttggtg gtgttgtaat gtgttctgga ccatcaatgg 120

aacccacaat tcaaaattca gatattgtct ttgcagaaaa tcttagccga cattttatg 180

gcatccaaag aggtgacatt gtaattgcaa aaagcccaag tgatccaaaa tcaaatatct 240

gtaaaagagt aattggtttg gaaggagaca aaatcctcag cactagtcca tctgatgtat 300

ttaagagccg cagttacgtg ccaacaggtc atgtttggtt agaaggtgat aacttacaga 360

attctaccga ttccaggtat tatggaccta taccatatgg actaataaga ggacgtatnt 420

tctttaagat ttggcctttc agtgacttcg gattt 455

<210> 5856
<211> 224
<212> DNA
<213> Mus musculus

<400> 5856
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cttgtcactt cccatcttga caagggccta gtcctgagag tccaccagcc tcatttcagc 120

ctctaggaat agcagtaaga gcaagccaca agccagatag ctctgggccc ttcaccatgg 180

gtcagaagag gttccaaggt ggtgggtagc cagtgtcccc atga 224

<210> 5857
<211> 519
<212> DNA
<213> Mus musculus

<400> 5857
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ggtacatagg acagctactg ctgatgacaa aaagcttcag agttcactaa agaaactggc 120

tgtgaacaat atagctggta ttgaagaggt gaatatgatt aaagacgatg gcacggttat 180

tcatttcaac aatcccaaag tccaagcttc cctctccgct aacacctttg caattactgg 240

tcatgcagaa gccaaaccaa tcacagaaat gcttcctggg atattaagtc agcttggtgc 300

tgacagctta acgagcctta gaaagttagc tgaacagttc ccacggcaag tattggatag 360

taaagcgccc aaaccagaag acatcgatga agaggatgat gatgttccag atcttgtaga 420

aaattttgat gaagcatcga aaaatgaagc taactaaaat cctctgggtt ttggaagctg 480

gcatggacta gatttaacaa tcagctctgt tgttccaaa 519

<210> 5858
<211> 498
<212> DNA
<213> Mus musculus

<400> 5858
agtgtttgag gccttccctg agacccccat taacatcgac atcaaagtga acaacaatgt 60

gctgatcaag aaggtctcag aactggtgaa gcagtataag cgagaacatc tgacagtgtg 120

gggcaatgcc aactctgaga ttgtagacaa gtgttacaaa gagaactcag acattcctat 180

actcttcagc ctgcagcgtg ttctgctcat cctgggcttg ttcttcaccg gcctcttgcc 240

cttcgtgccc attcgagaac agttctttga aatcccaatg ccctccatca tactgaagct 300

aaaagaacca cacactatat ccaaaggtca taagtttctc atctggcttt ctgatacctt 360

attgatgcgg aaagctctat ttgaccacct caccgcccgg ggcattcaag tgtacgtttg 420

ggttttaaat gaggaatacg agtacaaaag agcctttgat ttgggagcaa ctggagtgat 480

gacggactac ccaaccaa 498

<210> 5859
<211> 388
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<400> 5859
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accactaaag ccctgttcct cagctctgag gctgagactg tctcctgtta gaaatggctc 120

ttcttaacta acatccctna aacaaatatg aggtgcttct ttctgatggg acactgggtc 180

aggtgtcaca aaattccctc agtgtggctg tgaatgatgg cactgcttct aacagtagca 240

acaaatttca ggtgaatgac cagaagttta cagaaccctt attgttcctc agtcacttaa 300

atgatctggt tccatgttaa tgtttctgtt ttcttnccat ttggataaag aatgagantc 360

tttgagaacc ttgctttcac agagactt 388

<210> 5860
<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<400> 5860
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tggcgctagc caatggaatt tccagaataa aaacaggatc agtcacactc cacacgcaga 120

ctgctataca ttttgctgaa cagctagcaa aggccaaatt taccgtgaag aaatcagaag 180

aggaagaaga tgccactaag gacacttacg tcatcgagtg tgaaggaatt gggatggcaa 240

atccacacct ctagggtgtt cacgtacgct ctacctcctt gttgcactga cttagcccat 300

gcatgctgca acacagtgag tgagacgtca gctaccacag gacttgantc tttggagatg 360

gaggttggca ctgtcagttg ctgagaatgc tccatc 396

<210> 5861
<211> 506
<212> DNA
<213> Mus musculus

<400> 5861
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aacaactgca tcggggcctg gaacaccagg tacttcctca tttacctcct gacgctgacg 120

gcttctgctg ccaccatagc caccgtgact gctgccattc tgtccgccta gtgacagtgt 180

ctgatctcta ccaggaaact tacctagatg acgtggggca tttccaggct gtggacactg 240

tctttcttat tcagcatctg ttcctggcat ttccaaggat tgtcttccta ctgggctttg 300

tcatcgtttt gagcatgctc ctggctggct acttgtgctt tgctctgtac ctggctgcca 360

ccaaccagac cacaaatgaa tggtataaag gcgactgggc ctggtgccag cgctggcctc 420

tggtggcttg gtccccatca gctgagcccc ggatccacca gaacattcac tcccacgggt 480

ttaggagcaa ccttcgagag atcttt 506

<210> 5862
<211> 241
<212> DNA
<213> Mus musculus

<400> 5862
taagtaacca ggccgggttc accagtctct agtaagttcc tggcacagca cagaccctgc 60

caaagaccga attgaaatca caagcttgct tcccagcagg actctgtctg taaacagttt 120

ggatgtttta ggtccctgtc ttgtttgtgg aactgatgca gaagccattt atgttaccag 180

acaactattt tcatgaaagt gaaaaaacct agttatcaaa tttttatcac cagtaaagtg 240

g 241

<210> 5863
<211> 197
<212> DNA
<213> Mus musculus

<400> 5863
gaagaatcaa tgtccttgtg tggtatttat gcctttagaa atgtatttca agtctgggaa 60

agaaggccat cttttgctca aatattttca gcaagcaaaa tgaaacttct tttgtattta 120

aaataaatat caaattacaa cagggtattt ttcccatttc tcaaatattt ggtatgcttg 180

aaaatctcta agtcacc 197

<210> 5864
<211> 255
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<400> 5864
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agctntcaga ggtagaagag agtatcaaca ggctgatgca ggcagcctaa ctgaagagag 120

tatcaatagg ctgatgcagg cagcctaact gaaggctgga ggaaggggcg tttgaagtga 180

agctgctcac agactttntc cactgaccct ttgaaantcc tgtttgccca ctggtgttac 240

caaaagacat tgtat 255

<210> 5865
<211> 540
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<400> 5865
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aacccctcc ctgtccctgc tggcgagaat ctttgtcagt tattttacat ttaaaaggat 120

tatttttaaa ccaatctcag ttgacctttt tacccaccca gtctgctggt tatactcatg 180

ggctttcata gtgtcttccc caaagagaaa ctggcagcta attgttccta tgccttgagc 240

aactctggtc atggactgtt gggttgtctg gccttagcat accagattac cccntttgcc 300

tncagtactg gggtatcggg ccagatatgt gtgtgtttgt gcagtggatg ggagggaagc 360

annccgcctg gtggagggag tgttagggat ggaagagatn ccttactttc tgtcaagaga 420

aaggtgtttt ttctttaatt gttcaaagtg gacgtgttta ctcaattcat ttctttatta 480

attcatttct ttatttaaaa aaaacaacat aatttgtatt tcctgtgtgc aataccagat 540

<210> 5866
<211> 502
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<400> 5866
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tgcccttcga tgcccaaatg gacgtgttct gaggagaaga tttttcaagt cgtggaattc 120

acaggtctta cttgactgga tgatgaaagt tgggtaccac aaatccctat atagactttc 180

caattccttt cccagaaggg ccctggaagt ggagggaggc tcgtcactgg aggacatagg 240

aataactgtg gacactgtac ttaacgtgga agagaaagag cagagcagcc agtagagagg 300

ctggaancac ctgctgccct tccacagggc ggtgttcatt caagccccat gcacctggag 360

ctcctctcgt ccacaggtgt accccgccca caccccgccc acaccccatg gatgaggacc 420

gctttgcact gatggtctgt ggcctgtcat tataatgtga aaggaggtaa aaagagtaag 480

acagacctgg atgcaagcct ca 502

<210> 5867

<211> 534
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<400> 5867
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actgcgaagg ttttgatgtg cacatcatgg atgatatgat caagcactcc ctggatttcc 120

gagagagcag agaggcagag ccacacccac tgtgggaata cccctgcaga agcctctcca 180

agcctcaaga gatcctgact tttgatttcc agcagcccat cccccaacag cctatgcaat 240

ccaagggcac aatggagctg acaagacccg ggaagagcca tggggctgtc ctgtggatgg 300

agtatcagct cactccagac agcacgatca gcactggcct cataaaccct gcagaagaca 360

agggggactg ctgctggaac ccccactgca agcaagctgt gtacttcctn agcaccacgc 420

tggatctcag agtgcctctg aatggccctc ggtcagtcag ctatgttgtg gagtttcacc 480

ccctcactgg agacatcacc atggagttta ggcttgcaga caccttgagc tgat 534

<210> 5868
<211> 573
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<400> 5868

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gaaggagaca cagtagggtt cctgttagac ttgaatgaaa agcaaatgat cttcttttta 120

aatggcaacc agctgcctcc tgagaagcaa gtcttttcat ccaccgtatc tggatttttt 180

gctgcagcta gtttcatgtc ataccaacaa tgcgagttca attttggagc aagaccattc 240

aaatacccac catctatgaa atttagcact tttaatgatt acgccttcct aacagctgaa 300

gaaaagataa ttttgccnaa ggcacaggcg ccnttgctct gctgaagcaa gtcagtattc 360

gcgagaactg ctgttcgctc tgttgtgatg aggtggcaga cacacagctg aancttgtg 420

gacacagcga cctgtgcatg gattgtncct tgcaactgga gacctgccca ttgtgtcgta 480

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tcatggacct atttctactc aattccagcc aat 573

<210> 5869
<211> 283
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<400> 5869
gagattttgt taatggcgat ggcactggag tcgccagtat ttaccggggt ccatttgcgg 60

atganaattt taaacttaga cactctgctc caggcctgct ttccatggca aacagtggtc 120

ccagtacaaa tggctgccag ttctttatca cgtgttctaa gtgtgattgg ctggatggaa 180

agcatgtagt gtttggaaaa atcattgacg gacttctagt gatgaggaag atcgagaatg 240

ttcccacagg ccccaacaat aagcccaaac tgccagtggt gat 283

<210> 5870
<211> 499
<212> DNA
<213> Mus musculus

<400> 5870
atgctgagaa actgtacctg cggtcgatag ccattgggaa gaaactgttt ggtgaaggct 60

acagtggact agaatatgat taccggggcc tcattaaact ttacaactcc attgggaatt 120

atgagaaagt gttcgagtat cacaacgttc tgtctaactg gaaccggttg cgagatcgac 180

agtattcagt gaccgatgcc cttgaagacg tcagcagcag cccccagtcc actgaagaag 240

tggtgcagtc ctttctgatg gctcagaatg ttgagggacc aagctgctga gggacagcct 300

cagctaacaa ttacctttcc cagattccgg ggaattcata ctgtgaaatc aaaccatgtt 360

gtttttaggg ctggcatttg cattgaaaca ctggtccagt ccacccaaga ccctatttcg 420

ggtagtcctg tattgcagtt cctgtagaat aagcatatat tgagttatat cagcatgtgc 480

cgcgtgtata agtagtccc 499

<210> 5871
<211> 317
<212> DNA
<213> Mus musculus

<400> 5871
aatgacctca ttacagtgtg actgcacaga aaagttacag agcaggtttg attttctgcg 60

ctctcagctg aatgacatct catcttttaa gaatatctac agatatgcct ttgattttgc 120

aagggataaa gatcagagaa gccttgatat tgatactgcg aagtctatgt tagctctgct 180

gcttgggaga acatggccac tcttttcagt attttaccag tacctggagg gcctgttctt 240

cttgatgaat ttgttgagtg gcaaaaaatc cgtcaaacat catagcaaga actgtcgtga 300

agacaatgca aaccttg 317

<210> 5872
<211> 411
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<400> 5872
gggacctatc aggaactctg catgaaaaag gaattgaaga aagccattct ggatgacatg 60

gtgatgctgg ggaaagaaag cggactgcat tcttttgaac aggttaaagc catttacatc 120

cattgtgaca tgttctctgt tcaaaatggt ctgctgacac caacactaaa ggctaagaga 180

ccggagctga gagagtactt caaaaagcaa atagaagagc tttacttagt ctccgtgtga 240

agctccagga gggcccgtct cagtccgatg aactttgcag caatattata gttattcgtg 300

agagaaagga atcagaatgc cnacagctca aagtgnacaa gcacctgatt tttgcaactg 360

ancctttcct gacccaagaa gtctctaaca atattttctc taccatcacc a 411

<210> 5873
<211> 492
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<400> 5873
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cagagagaat gatctgacag aaggagttga cgaagatatg attgtgaccc agagccaaac 120

caatttcatc tgccccataa cacagctgga aatgaagaag ccagtgaaaa ataaaatgtg 180

tggccataca tacgaagagg aagccnattg ttcgcatgat tgaatccaag cataagagga 240

agaagaaggc ctgttgcccc aaaattggct gtagccacac agacatgaga atgtcagatc 300

tcattccgga tgaagccctg agaagggcaa tcgagagcca caacaagaag aaaaaacgcc 360

actccgaata ggagcaagcc acctgcccac agggatgtca gcagcctacc tccccgccag 420

ccaccagaga gtgagggatg ccagcgatag gcctggccaa gcagcgctgt ttgcggtaac 480

ccttgaaggc ta 492

<210> 5874
<211> 397
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<400> 5874
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gatccgaagc tcattccaag tgttgaataa ccctcaagcc cagcaaggct gctcctgtgg 120

gtcatccttc tctgtcaaag tctgacacaa tgacggatga ccctgagatt gccaccactg 180

caccagtgtg aacaacctag aatagtagaa ttctagaggt ttctttctca tcatgtccgg 240

ctctcatctt atttaattta atccagaagt gtcttattct accactgtaa attatggaat 300

gtgaagcttt taactcttgg ccgaaatact ntcccctccc ccagtacaat gtcaaggcca 360

catccaaagg ctgttacctc acctgtaatc actggtt 397

<210> 5875
<211> 465
<212> DNA
<213> Mus musculus

<400> 5875
tgtggccacg tcatctccag agatgcactc aacaaactca tcaatggagg aaagctaaag 60

tgtccctact gtcccatgga acagaatcca gcagatggga aacgcatcat attctgattc 120

caaggaacat tctagaaggt gtaatccacc catgggcctt tgtggaggga ctggcttcag 180

cagactgtga tgcctctcag accagcatta ccaagagacc caacctgcct aggcagaggc 240

cagggaaggc tgtgaaccag cagcctatgc ttccttacct tctaggggga ctggctactc 300

tgttcctgca ttctgtttac acttgcccct gacggagcag caaaggtctt ggtcatcaaa 360

tgcagacatc tttctactcc tggcatcaaa ggggtttcca gctgtggccc acttcctact 420

gtacagtctc aactgtatct acccattcat tctccactgt aaata 465

<210> 5876
<211> 462
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<400> 5876
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aactgaagat tcaaactgta caaaacaact ctgtggcaac agccgtctct gtggtcttcc 120

ttttgagatg gcttctgctc tgtgaaggga gcttttcagg ctcttgtcct cctgctttca 180

gaagaaaaag acaatggagt gtaaaggncc tcaattttcc taggcagtac atttcatacc 240

aaagcgggtt cttctaagta aaacctaaaa cggaggttct tggtgcctac attatcagag 300

gggcagtgcc tatttaggtt cagacaattg acnaacnagg ctanntctna cnangananc 360

ntactttntn tgagaantan aagaacttta taatnccagg gtttnctcac caaacacata 420

aacgttttta tgagaaggag aatcgcgaag cttctagaag cc 462

<210> 5877
<211> 294
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(248)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (251)..(255)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (257)..(258)
<223> n is a, c, g, or t

<400> 5877
tcagaaagta catcagtcaa gctaganaac tccagccttg agatgacgac aacctttaaa 60

aatggtggca agaatttaag caactactgg ctgatgaagt cagagccaga aagccggcta 120

gagaaaggta tagacatgaa gttcagcatc gaggatctca aagcacagcc caagcagaca 180

gcttgctggg atggtgttcg caactatcag nnnnnnnnnn nnnnnnnnnn nnngnnnnnn 240

nnnnnnnnag nnnnntnnaa ttggaggatg aagccttctt ctaccatagc aact 294

<210> 5878
<211> 515
<212> DNA
<213> Mus musculus

<400> 5878
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agcaaggcaa agtagtccaa gtcgttcggc agcgaaactg ggttgtcctg gaggggttga 120

acacgcatta ccgatacatt ggcagaacca aggaccaccg agggaccatg atcgctagtg 180

aagccccctt gcttcatcac caggtcaagc tagtggatcc tgtggacagg aaacccactg 240

agatccagtg gagatttact gaggcaggag aacgtgttcg agtctctaca agatctggga 300

gaattatccc caaacctgaa tttcctagag cagatggcat tgtccctgaa acatggactg 360

atggccccaa ggacacatca gtggaagatg ctcttgaaag aacttatgtg ccccgactaa 420

agacattaga agaagatgtg atggaggcca tggggatcca ggagactcga agattcaaga 480

aagtttattg gtattgagcc tcagagtgct gcttc 515

<210> 5879
<211> 187
<212> DNA
<213> Mus musculus

<400> 5879
ccctttatca ttgagtggat cccagatatc ctcccacagt ccaagattgg tgagcttcga 60

atcaagtttg agtatggtca ccaccggaat ggacatgtgg ctgactacca ggacccaagg 120

ccacccatgg accaaccttt ggagctggcc cctctgacta ctatcacttt cccttgaggc 180

aaatcaa 187

<210> 5880

<211> 523
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<400> 5880
ggtgacgttt gctatccaga tctttgcact gtggcccatg ttacagaaga aactgaaggc 60

gtacaccccg cgaagctatg taggggtcac tttgcttttt gccttttctg cctttggagg 120

tcttctgtcc attagtgctg tgggagccat actctttgct ctcctgctgt tttccatctc 180

ctgtctctgc ccttactacc tcattcatct gcagcttttt aaggaaaata ttcacgggcc 240

ttgggatgaa gctgaaatca aggaagactt gtctaggttc cttagctaat ctagggacct 300

tcatttcatt attaagacca gcggaaagac ttcgagccta accggtgcaa catttaaagg 360

caggggtcca ctnttgaagc anccgactna tctagatggt agagctgaga tcagaagaaa 420

gcatttaacc aagggcttag gggagggtgc ttntccttca gttattttgt gactgaaaaa 480

gctttctggt gctgttatga attattgtcc tttattccct gta 523

<210> 5881
<211> 407
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 5881
tatgagctct cgctactcac agaaacagca ttccccctgt actgcatgga gacaccatct 60

ggagagagag gactctctga gcattgcagc tggagcacct gaaatgatca tacattccct 120

ttggcgaccc ctgagacaca aagaagggtt aaaaattggg tatgcatcta aaacaagatg 180

caagtccctg aagattttta gaagaccagg cagactgttc ttgttaccag ttccttctaa 240

tgattctcag tcatgcccga gtgaagaaac acaggaggag gatctgctga ataagtgcat 300

gcagtccatg tccatccaag aacaaggccc agctcacgcc ancctgacgg tctantcctc 360

cacaccaagc tcagccatca gctaacatcc acatgctgag tgcacag 407

<210> 5882
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<400> 5882
aggatcgttt tctcatttgt atgctgcaca agcttggctt cgacaaggaa aatgtgtatg 60

atgaattacg acaatgcatc cgaaactccc ctcagtttag atttgattgg tttctcaagt 120

ccagaactgc gatggagctc cagaggaggt gtaatacctt aattactttg attgaaagag 180

aaaatatgga actagaagaa aaggagaagg cnagagaaaa agaaaagagg accaaaacct 240

tccacacaga aacgtaagat ggacggtgcc cctgatggcc gtggaagaaa aaagaagctg 300

aaactatgaa tgcatttttg tcttataatc actaactggt agttctttaa tttacgggtc 360

ttcataagat gtgctgtaca gtgctcaact gttatgtcat tcagacatca ggtccatctg 420

cttactgagc taga 434

<210> 5883
<211> 535
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (469)..(469)
<223> n is a, c, g, or t

<400> 5883
gagagacaag actccatcaa tgcatacaat gaaccaaata gcacaaagtt tgtatttatg 60

ctaagcacac gtgctggtgg tctgggcatc aatcttgnca actgctgatg tagtcatttt 120

atatgactca gattggaatc cgcaagttga tcttcaggct atggaccgtg cccatagaat 180

tggacaaacg aagactgtcc gagtgtttcg ctttataact gataacactg tggaagaaag 240

aatagtggaa cgtgctgaga tgaaacttag actggattcg atagtaattc aacaagggag 300

gcttgtagat cagaacctga acaaaattgg gaaagatgaa atgcttcaaa tgattcgaca 360

tggtgctaca catgtgtttg cttcaaaaga aagtgaaatc actgatgagg atattgatgg 420

tattttagaa agaggtncaa agaagactgc agaaatgaac gaaaagctnt ccaagatggg 480

tgaaagttca cttagaaact ttacgatgga cacagagtcc agtgtttata acttt 535

<210> 5884
<211> 397
<212> DNA
<213> Mus musculus

<400> 5884
ttttccctag gccttatagt atagaggcat ttgtaatatg gagaaaataa tttttctcat 60

ttaattatag aaattacctt caaacagatt ttgtgttctt tggcccttca aatactggtg 120

ttacattgtt gctgcagata aatgatgatt gtcgtgggat atctggatca ctgagctctg 180

tgctttcatt cctagagatg tttctcattc ccatttagtg aaatgctgtt gccccaaagt 240

gatggttgtg ggatttctta ccggtcatag gccccggtga ggagcaggga agcgccattg 300

tgaaagatta aagaaagcac ttccacttga gctccttatg gagtgagctt ccctgtgccc 360

actcagtgaa ctaagtctga ccatccttca gggacgt 397

<210> 5885
<211> 419
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<400> 5885
agctgagaaa agttcctctg gcttctttgg actcatggca gctgctgctg tttctaaggg 60

atgtgcctcc tgcatcgctt acccacacga ggtcatcagg acgcggctcc gcgaggaagg 120

cagcaagtac aggtcgttcg tgcagaccgc gcgcctggtg ttccgggagg aaggctacct 180

cgccttctac cgaggactgt ttgctcagct catccggcag atccccaaca ctgccattgt 240

cctgtccacc tacgagttca tcgtgtacct gctgggagag cgtgcttagt gacagggcca 300

catggttgtg ctctagaaga ataaaacctg aaaaccctag agattttctt ttccgttgat 360

gtttagtgtt caaaactgaa acagcgaagg ccnatagaat acctggctca tgtcacctg 419

<210> 5886
<211> 445
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<400> 5886
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tgcaccaaga catgttgatc gaagtgactt tttcacctcn ttctatgata aattgaaatt 120

acaagaagaa gtgaaagatt taagagctgt tgaagaggca tttgtaccag ttatcaaact 180

ctgttttgat ggaatagaga ttgatatttt gtttgcaaga ttagcactgc agactattcc 240

agaagatttg gacctacgag atgacagtct gcttaaaaac ctagatataa gatgcataag 300

aagccttaat ggttgcaggg taaccgatga aattttacat ctagtaccaa acattgacaa 360

cttcaggtta antntgagag ccatcaaact gtgggccaaa cggcacaaca tntattccaa 420

tatattaggt ttcctcggtg gtgtt 445

<210> 5887
<211> 276
<212> DNA
<213> Mus musculus

<400> 5887
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gacctccagc agagctgccc agaccagcac ctgtgttctg attcttcttt tttcactggc 120

tctcatcatc ctgcccagtt tcagcccctt tcagggtcaa tcagaagcta ggcccgagga 180

ttatcagctt catggagtga tttccagaaa tatcttgact cacgagaacg taacagaaaa 240

cctggagagt ccagtgctaa agtccaaact ggagga 276

<210> 5888
<211> 494
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<400> 5888
aactgactgt gttgtgctca gcaccaggga cgcttaaaac cctcgcccgc tatgctgtgc 60

gccgtagcct cggtctccag tacctgcccg acgcagtgaa gggtctccca ctgccagntg 120

tctttgaagg actacctgtt actcttggag tagcttggag gaggcattgc tnccgtcatg 180

cggacggctt tgggtgaggc ttccttgcca tcctgtctct ttgttntcaa cacagaaaag 240

naggtgttcc tgctgtgtgg tttatagatt tgaggcaaca cataacagtg acttatgcat 300

cncctcccct cccatcccaa gcaaccaaac caaaaccatt tacctcactt gtttgccgtg 360

ttattgctta gttgcttttt tatattcagc cctgcaaaag aagtcttccc cggatccctt 420

aggcacttca gtcaccagtg taacccannn ncnaggaaga tgtcacgttc tcagagtgca 480

cagttccctt tggg 494

<210> 5889
<211> 362
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<400> 5889
ggtaaaaagc gaggcccgcc aggcagcaaa gactgggcaa ccgcactgaa gggctgtggt 60

gactacttgt tcatagagtt tctgaaacga tgcctccagt gggacccctc tgcccgcctc 120

accccggctc aagcattaag acatccttgg attagcaagt ctacacccaa acctctcacc 180

atggacaagg tgccagggaa gcgggtagtt aaccctacaa atgctttcca gggactgggt 240

tccaagctgc ctccagtcgt tgggatagcc agtaagctta aagctaacct aatgtccgaa 300

accagtggta gtatacctct gtgcagtgta ttnccaaagc tgattagcta gtggaccact 360

ca 362

<210> 5890
<211> 551
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<400> 5890
acttccagga gcatagccgt gatgagcagt acctgtgcca gttctgtgag cacgagacag 60

gggaccctga ggacttgcac agccacgttg tcaacgagca cgctcgcaga ctgattgagc 120

tgagtgacaa gtgtggcagt ggtggccatg ggcagtgcag ccttttaagc aagatcacct 180

ttgacaaatg taaaaatttc ttcgtgtgtc aagtatgtgg ctttcggagc agacttcaca 240

caaatgtcaa cagacacgtg gctatcgagc atactaaaat attccctcat gtttgtgatg 300

actgtgggaa gggcttttcc agcatgttgg aatattgcaa gcatctaaat tcacatctat 360

ctgaagggat ttacttatnc caatattgtg aatattcaac aggacaaatt gacgatctta 420

aaattcatct agatttcaag cattcagctg acttncctca taaatgtagt gagtgcttga 480

tgaggtttgg gaacgaaagg gacttactcg gtcaccttca agtccatgag actacctgac 540

cgtgatcttt a 551

<210> 5891
<211> 517
<212> DNA
<213> Mus musculus

<400> 5891
ggatgcacag cagtgtcacc caagccaccc agacgagccc agaggttcct ttgccttcac 60

agtcagccaa ctttctcgac attacaaggg aacagctcat ggaggaaaac gaatgtctca 120

ggcagagact agctcaagct aaaatggagc tcgcggaggc tcactcggcc agagatgagc 180

ttctccatca aatgaagagg atgggcctgt agctgccgtg gccgtgagaa ccggggctag 240

agcgctggag aaggacggct aggtttaaca gaaggatgta accagttagt gggaagtttt 300

cctttacatg aaataaagcg agtggtgaag tggcggctgt tccaaaccct gtggaggaaa 360

ccttgggcgc aagcggtaca gtcatctggg tggccccgtg aaggctgcgc acactgtaac 420

acagttacat gcctaatgag aaatgtcagt tcctaacttc agtgtctcat caaaagcatt 480

ttttacaaga aaaacgaaga cctgttgtgc tcatgca 517

<210> 5892
<211> 265
<212> DNA
<213> Mus musculus

<400> 5892
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gacttggcag aaatcacatc cttcattaca tcacacgttg gagtgattta aattttattg 120

tgaacagtat ttgccttcct tctcctcaca tcattctttt cgggtgacat catttgataa 180

aaacaggcac tgtttgggag ccaacataca gccaagaaca aattaaatcg ttactatatt 240

acctcagagt atttacaaca ccatg 265

<210> 5893
<211> 320
<212> DNA
<213> Mus musculus

<400> 5893
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atccgcactg caggcctcag cctcctggcc gaggagcgcc aggagaacct gccagatgag 120

atctaccatg tctacagctt tgccctgaga tgaagccagg gccagagctg ggggccagca 180

gctggcaggc caagagacac accattgact ccagtgggaa gggtcaagcc ctaggggagg 240

tgtgccctgg attggggcac tgcagccctg tcactctaaa gcaccctggc aacttcccac 300

agggctatgg aaagcagagt 320

<210> 5894
<211> 435
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<400> 5894
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tgcaggaagc agtggaagtg aatctcggca cggccatgac ctacacgttg ttcgagtacg 120

ctaaggacca taaagagcag ttcatggaga accaccatcc tgggaattct gcaacgcctg 180

tagccaatat catctcggtt gaaactccca ccacagcccc atcaagtaag aaaaaagaga 240

agaaagaaca actttccaaa gctcagaaac gcaagctggc agataaaacn agatcacaaa 300

ggggagctgc ctcgcggctg gaactgggtt gacgtcgtga agcatttaag caaaactggc 360

tctaaagatg atgagtagca agcacctgcc gcccaagcaa gagcagcctt tgaaaagcgg 420

cctggttcag catct 435

<210> 5895
<211> 555
<212> DNA
<213> Mus musculus

<220>
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<222> (273)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
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<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
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<222> (407)..(407)
<223> n is a, c, g, or t

<220>
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<222> (411)..(411)
<223> n is a, c, g, or t

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<222> (437)..(437)
<223> n is a, c, g, or t

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<222> (444)..(444)
<223> n is a, c, g, or t

<220>
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<222> (446)..(446)
<223> n is a, c, g, or t

<220>
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<222> (480)..(480)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (530)..(530)
<223> n is a, c, g, or t

<400> 5895
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ctcaaagtgg tcctattcag cagcagagga accacaccaa ggagaagccc tacaaatgca 120

gtgtatgtgg aaaagcattt attcaaaaaa taagtcttat agaacacgaa caaattcata 180

ccggagagag accgtataaa tgtgctgagg gcgggaaggc ctttattcag atgtcagaac 240

tcacagaaca ttagggaacc cacactggga agnccctaca agtgtgatga atgtgncaag 300

acctntnaga caggantcag agcttgctga gcactagaga attcattata gaagtgntcc 360

ctaaaagtgt aatgggcgtg gggaattgtt cacgtagaac tcagntntta ntcatcatca 420

gactagtcac aaaagancaa gtantntgtg tgatgactac agggaagcta cctcacggtn 480

tcggctgatg aagagtattg tatttgtaat gctttgtggt gacatttcan cctttgctgt 540

tacgagacca taaat 555

<210> 5896
<211> 458
<212> DNA
<213> Mus musculus

<400> 5896
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ggcctgcctg taaaaatggg gatgagtgtg tataccatca tcccatttca ccttgcaaag 120

cctttcccaa ctgtaaattt gctgagaaat gtttgtttgt gcatccaaat tgtaaatatg 180

acacaaagtg tactaaagca gattgtccct tcactcacat gagtagaaga gcctcgatac 240

tgactccaaa accagtgtcg tcaccagcac cgtcttctaa tggccagctc tgccgttact 300

tccctgcttg taagaaaatg gaatgtccct tctaccaccc aaaacactgt aggtttaaca 360

ctcagtgtac gagacctgac tgcacatttt atcaccccac cattactgtg ccaccaagac 420

acgccttgaa atggattcga cctcagagca gtgagtga 458

<210> 5897
<211> 371
<212> DNA
<213> Mus musculus

<400> 5897
gtggttatca atctgctaag ctccaggcag atcatgaaca cctccttcaa cccgctcagg 60

atcgtcaaca cctatggggc ctttggaagt gtcaccaaag agcggactga ggtgatcctg 120

cagggcacag tgagccccaa cgccagcgca cctgatgcag tgtgggaaga ctatgagttc 180

aagtgcaaac cgggcgaccc ctggaggcag ccatgcctca tctcgccata ccactaccgc 240

ctggactggc tgatgtggtt cgcagctttc cagacctatg agcagaacga gtggatcctt 300

catctggcgg gtaagctcct agctggtgac tctgaagccc tggccctact tgctgttaac 360

cccttgagg g 371

<210> 5898
<211> 204
<212> DNA
<213> Mus musculus

<400> 5898
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agcctgggag aatggaattt tttgtttttt caggacaagg ctggtcagga cactgtcctt 120

tttctttctt cttcaggaga gggatgtcac ctgagtgact gttgctcgtc attctgaggc 180

gccagatgcc attggtaaag ttgt 204

<210> 5899
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<400> 5899
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nactctgtca gctctgcaac tgagaccagc cagcacctgc tgagctacac agaggagaca 120

gaagtccagg gccagactac cacagaccag tctccttcct tctcaccaag ggacacgatg 180

aggagtcaca agaantagga acatcctgac tgccatattg ctactgctgc gggagctgga 240

tacggagggg ctggagactg tccagcagac cgtgggcagc cggctacagg cgctgcacag 300

gccggagccc caggaagaca tggagtgatt tcagacgccc cagtatctgg acccttttat 360

atcctgagga aacacagccc tacctggaaa gccttcaaag caggcccagt gg 412

<210> 5900
<211> 406
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<400> 5900
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aagacggatt cctctacatg gtctacgcct cccaagaaac cttcggcttc tgagtcaaga 120

ggaggggagg ggggtggctg ggagttctgg tcaggttctc cccagggagg tcctggctcc 180

taaactaagc tatttcagtc cccagtggat taggcagaga tgtgacaccc actccccccc 240

ccccccccag gtaggggcna ccagccagcc taccacatcc tgggtaggtc ctgggccagt 300

catgttcggg ttgctctttt gggtgctggc tgggttggga gtgggtgggg agcagcatcc 360

ctgctctgtg gggtttgntc attttgttag gcccttgcct gtctgc 406

<210> 5901
<211> 164
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<400> 5901
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ggcctctcca tgccttttat ttccacttgg taagccctgt tagggagctt gagacagggg 120

tctggatccn tcgggagacc actgggtata atctattttt ctag 164

<210> 5902
<211> 385
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
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<222> (278)..(278)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
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<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
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<222> (301)..(301)
<223> n is a, c, g, or t

<220>
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<222> (315)..(315)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
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<222> (339)..(339)
<223> n is a, c, g, or t

<220>
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<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 5902
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aggggacccg atggccaact ttattaagaa gaataaagct aaggagaaca agaataagaa 120

agtgaagccc cgctacagtg gtcctgctcc tcctcccaat agattcaaca tttggcctgg 180

gtatcgctgg gatggagtgg acagatccaa tggctttgaa cagaagcgct ttgccaggct 240

cgccagcaag aaggctgtgg aggagcttgc nctacnantn gagtntngag gatatntgac 300

nccacccccc ccccngncca tntgacccct gagnccatnt gatnctgtgg tnctnttagc 360

accagctcac atccagctct aaagg 385

<210> 5903
<211> 257
<212> DNA
<213> Mus musculus

<400> 5903
gggatattct gatccgaaag taatagagaa caagaacaca gaagacaagc acacaggaca 60

aagcctcaaa gatgtgtttg tctcccacca acaggagcct cagcaggcag gactgccagg 120

gtccaggagg aactccaggg actaattcca atttcacctc aagagccctg tccactggtt 180

ccttgtttga agcaattgat ttctcttcac acagtgaaga atgtgcccag ccacagcgtt 240

acccatgagg cccaact 257

<210> 5904
<211> 245
<212> DNA
<213> Mus musculus

<400> 5904
gcttccagcg tcctgtgtac ttgttccaca aggctcgatc ccccagccac taagtggcct 60

tctgagaagt tgtaaagagg ctgcccttgc tgctcctgag gacctggggg gaaaggaaat 120

tattccaagg tctttcctaa ctccaaaaag tttctccttt tcttggatct gtcaagagag 180

cttttcctaa gttgctaccc cacatctcct ccctgtcacc tctggcactt gagcaagccc 240

agctg 245

<210> 5905
<211> 466
<212> DNA
<213> Mus musculus

<400> 5905
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ttctggtttt atttaacggc tgataaatga cattcttacg gccagaaggt ggatgtgcac 120

cggacaggaa aggccttcag tattagccta agcatttctt ctaggtgctg agcctgttca 180

gctccttggc tgccctgccc agcccagccc taagtgtgaa tagttcttgg cgtgtataaa 240

tgacaaagga gtttttcctc tcctaagggc ttgatgttaa cactaaatag aatctgattt 300

tgactcctaa tgcagcacat tgctgtacac atttacagaa tgtttgcaga atctctcctg 360

atatttttca tgctggtcat gacctgaagg aaatttctta gcacgaatat tgtgtcaggt 420

atttttaact tgatcatggt cagctctgag gtgcaactgt gtcttc 466

<210> 5906
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<400> 5906
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ggccctggct cccttgggca ggggataggg aggagacaca ggatggaaga acccaaggtg 120

ccaggccagg gccatagcca agcaagcacc ccaggtccac ccagggtgtc aatctaaaac 180

ataccccagg aaggntctag aaataatgag ccttggatgc tgtcggcaag tgacagcatg 240

taactgcctg tgtctcagaa tcaccatatt cagacagctg gcagctcacc tcttgacact 300

ggtgtctggg gtttggcact cctcccagag agcacctcgc gtgaagggtg cccagtaagt 360

ggntctgggt tgtnctgcac cccagccccc ggaaccccca gccgtaatct ntctgccttt 420

aaagagccct catcctcaaa tccacagcct cttctggcat cagcttccca gcagcaagct 480

ccagccttcc acagcacact gtaattta 508

<210> 5907
<211> 297
<212> DNA
<213> Mus musculus

<400> 5907
cggtcatgat cgtttatccc atggggctgc caccatacga tcctatccgg atggaatttg 60

aaaataaaga agatttgtca ggaactcagg cagccctcga agtcatccag gagtcggagg 120

cacagctgtg gtgggccgcc aaggagctga gaagaacaaa gaagctttct gactatgtgg 180

ggaaaaatga gaaaaccaaa atcatcgtca agatccagca gagagggcag ggtgccccag 240

cccgggagcc tgtcatcagc agtgaagaac acaagcagct gatgctgttc taccaca 297

<210> 5908
<211> 165
<212> DNA
<213> Mus musculus

<400> 5908
ccctcacttc tagatgttca aaattccgct tcaagcctct gtcagataag attcaacagg 60

agcgattact ggatattgct gagaaggaaa atgtcaaaat tggcaatgag gaaatagcgt 120

atcttgttaa gatatcagaa ggagatttac ggaaagccat cacat 165

<210> 5909
<211> 72
<212> DNA
<213> Mus musculus

<400> 5909
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tcagtgattc ca 72

<210> 5910

<211> 467
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
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<222> (400)..(400)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(429)
<223> n is a, c, g, or t

<400> 5910
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ttgaaagaaa tatcactgac ttggtgggac tatttattga aaatgtccaa agtctgattg 120

ctcagtgccg ggacctggag aaccatcacc atgagaagct cctggagatc gccatcaaca 180

ccctggagaa gatcctcaag ggcgagatgg acgaggactt acccgatgac gtgcgggcgc 240

tttttgttga caaagacaca attgttaatg ccgttggggc atcacatgac atccacctcc 300

tgaagattga caaccgagaa gatganctgg tgactggaat caactcttgg tntgcanatn 360

tagtagacna gattcacaaa gatgagatca tgaggaaccn taagcgagtg aaggagatca 420

atcaattnnt cgaccacatg cagagtgaac tggacaacct ggaatgt 467

<210> 5911
<211> 393
<212> DNA
<213> Mus musculus

<400> 5911
gcagggaata tacctatctg ttcttaaaga tttcatggtt ggcccataca aagcaattct 60

ctgttgactt ctttgactcc tcctgaagca gaaggaagac agaaagacag acattgatta 120

tttttatgag cgtgggattt aggatctcat cacttttatc cagtttttag gatttgccat 180

ggtaaatctt aaacttgaga aataagagta cacctctgtg ttgtcactta cccatttatg 240

tatgtgttgg cgtgacaagg acagctgcct ttctgtcatt actggtgttt tctaaactgt 300

aggagaattt tggttttgac ttttgaggct atggaaata tttagaactt ggttcatttt 360

tcagttattg ttagcttaaa ctccctaagt tct 393

<210> 5912
<211> 216
<212> DNA
<213> Mus musculus

<400> 5912
cagaggtatt agtaattcca tttttggaaa atcttaaaaa tcgcccaaat gttgacacta 60

agtacattga aaaacagtgt ctttggtata gtaaatgttt gttcttcatt catctgtaac 120

ttaatatttg ttcaaatttt gcctttgata caactaagtt aaaactcttg agtgctgacc 180

tgttgtatat acacaaaaca atctgctttg ttggag 216

<210> 5913
<211> 325
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<400> 5913
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taggcagtag ttttgtggta tttaatgtgt caggtgtcta agaattagta atatccctat 120

atcagcattt gtggtgtgct cagtaaatct actcttccaa taattcctat ttaattactt 180

tgatatggaa gttactgaaa ctcattacaa aaggccaatg tttncagtat acaccgggaa 240

gatgattgct aattccagac cccatgtcga aaaacttaca cacagaggag aaagactggt 300

ggtcgaatct gtcgtgtatt tttaa 325

<210> 5914
<211> 224
<212> DNA
<213> Mus musculus

<400> 5914
aggtgcccct ggagtctgac tctgtggagt tcaacaatgc tatcagctat gtgaacaaga 60

tcaagacccg ctttctggac caccctgaga tctacaggtc cttcctggag atcctacaca 120

cctaccagaa ggaacagctg cacactaagg gccgtccatt ccgtggcatg tctgaggagg 180

aggttttcac agaggtggcc aatcttttcc gtggtcagga ggac 224

<210> 5915
<211> 270
<212> DNA
<213> Mus musculus

<400> 5915
gcagatccaa gaacataagc tagaagaagc gcaggagcaa gaagagcagg aagaagagga 60

agaggaggag gaagccaagc aggaagaggg gcaggggaca gaggcgggtc tggagtcagt 120

gtccaggctg cagtcagact cagagcccaa gtttcaatcc cagtcactgt cttccaaccc 180

gtccttcttc actccccggg tccgagaggt ggagtctgct ccattgatga tgaagaatat 240

ccaggagctc attcggtctg cccaggaaat 270

<210> 5916
<211> 411
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<400> 5916
catgaacaat gtgaccctgg gcaatgcccg tatgggctac tatgagacag tagctggtgg 60

tgcgggtgca ggccctggct ggcatgggcg cagtggtgta cacagtcaca tgaccaacac 120

gcgcattacg gacccagaga ttttggagag ccggtatcca gttatcctgc gccgctttga 180

gctgaggcca ggctctggag gccgaggncc gcttccgggg aggtgatggc gtagtccgag 240

agctggtctt tcgggaagag gcgctactgt ctgtcctcac ggagcgccgc gccttccagc 300

cttatggcct ccacggggga gagcctggta cacgtggctt aaacctcctg atcagaaaag 360

atgggcgcac agtgaatctg ggcggcaaga catccgtgac tgtgtatccc g 411

<210> 5917
<211> 218
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<400> 5917
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gcctgagaag gagacggttt atttggatct tccagatgaa caaggtcaaa aatcccctcc 120

nagtcacaga gtngaaggtg acaagtggga aagctgggaa ggaggatcgg agaggggcg 180

cacaggagaa gaaacaactg ggtaccaaag acaaagat 218

<210> 5918
<211> 254
<212> DNA
<213> Mus musculus

<400> 5918
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cattgcagct ggtagggctg tgtattctac caaaagagag gtgagatgct aagggtgtgc 120

gtgttaggga ggttgggtga gaggggtcac ctcctcccta catcagctct ggtctttctt 180

cctctttatc caccctgct ggtctctgaa cctcagaact caagcccttg acagaacgag 240

gctcccaggg actc 254

<210> 5919
<211> 483
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 5919
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tcgtgggtgc aatgcaaggt ggagactcgg atgaagacga agactcggag gacagtgaaa 180

ttgacatgga agatgatgaa gaagatgatg acgatttgga agatgaaagc attgctctct 240

caccagctaa gcccagtcga aggatccnta aaccggagcc cttggannaa annnncaatn 300

anntnctgac cttgccnaag ggncccaggc agattaagan cctcagangt ataggtacac 360

agggantcgg caggctggaa aggtaacatg tgttttgttc actacaccat ctgggcttaa 420

ccccaacaaa gatgttnttt tntctatntc ctaacacttg ggatccccat acctgtgttc 480

taa 483

<210> 5920
<211> 515
<212> DNA
<213> Mus musculus

<220>
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<222> (269)..(269)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

<400> 5920
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tttctaacga tgtagtaatt gaactgcatc tcgggagatt tataacattt tgatattcct 180

cactctggaa cttgaacttt gtttaccttа ccaaacatct ttcttgtgaa ttcaaaatcc 240

agttgcagtt ttggttgctc tttttttng attctccatg taagaaatgt tgtgattaaa 300

ttaccaattg atagtggtgg gnaaaaaatc catcaacctn ancctntnan ntntcctnnn 360

nnnnnannnc antgtttctg ttgctgaggt ttatnctgtg aatacatgca cattggtttc 420

ttatgcagat ggtataaact ntaggncctg tgctagaagt agtttgttcc ttgacaagnc 480

cttttgaact gtgctgcagg gcatcttgtg gatat 515

<210> 5921
<211> 522
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

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<222> (316)..(316)
<223> n is a, c, g, or t

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<222> (323)..(323)
<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (338)..(338)
<223> n is a, c, g, or t

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attttaggga aactctttgt acccactata aacgtgctgg tttgaagagt ggtggagctc 120

cagggagtgc tcagaggtgt gtcaggttgt ctgtgtgacc tctgtctgta ctgccgatcc 180

tggtgttgag tgagtaaaca ccactgtgaa gagaattcat tgccttagga ccgtgacagc 240

gtgaaagtag ttttcaggtg gaatgaacac atggaattgc acggaaatag tttaattttt 300

ttacatagan ggtttngtat atnatgtntn ntcagtgnat actttcagga tcattttcac 360

taaggcacct tttttttatt ttattcaaaa caggtctggt gtacatacat acgaacatac 420

atacatacat attttagtat aatgttactt gggtttgatt ataaaaattg ttggtctgtt 480

ttatttatct gcatataaca gtgattggca ttcctgaatt ta 522

<210> 5922
<211> 377
<212> DNA
<213> Mus musculus

<400> 5922
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ccaaatacaa ctccgaaact gttgacaaga agatagagga atttctttcc agctttgagg 120

agaagattga gaacctcaca gaagatgcat tcaatactca ggtcacagca ctgatcaagt 180

tgaaagagtg tgaggacacc caccttgggg aggaggtgga caggaactgg aatgaagtgg 240

tgacacagca gtatctcttt gaccgccttg cccatgagat tgaagccctg aagtctttct 300

caaagtcaga cctggtcagc tggttcaagg ctcacagagg acctggaagt aaaatgctca 360

gcgttcatgt tgttgga 377

<210> 5923
<211> 547
<212> DNA
<213> Mus musculus

<220>
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<222> (405)..(405)
<223> n is a, c, g, or t

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<222> (407)..(407)
<223> n is a, c, g, or t

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<222> (474)..(474)
<223> n is a, c, g, or t

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<222> (477)..(477)
<223> n is a, c, g, or t

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<222> (508)..(508)
<223> n is a, c, g, or t

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<222> (510)..(510)
<223> n is a, c, g, or t

<400> 5923
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ctgtgagggg ggagtggatc tttatccaaa aagctcaaac ttctccaaca catatctggg 120

cacttgaaga gtctcccttg ctgcccgagc tgtagactat tggagtttct taatgtctgg 180

gatttttctt ggctcccaaa agccagcccc acctgaacca gccccagttg tcctcattgg 240

ggcttgatag ggcacatgac atttccagcc tctccaacag cgggggtggc agatggctgg 300

agagatgaca ccgtgagtca ctaaggagta gctgccagcg ctttaggaca gtcccaagcg 360

cagtgaatca aatgttcagg gtggtgagca tgacgcagaa agcantntcc tcggtggaga 420

gcactctgtg cacctgtcag cactcaggaa atggcatntc tgccgtgatg tntntgntca 480

gcttcttagt ctagcaggga tccccttntn tctgggaaga aactgattac ctttaacgtg 540

ccactaa 547

<210> 5924
<211> 135

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<400> 5924
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acaagggacc taccttgcta gcctggacgt gaagctgagc tacctggtgt gaagacctaa 120

cttaatcaat tagat 135

<210> 5925
<211> 296
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<400> 5925
agcacagaat gctgactgcc ctaaaaactc aggaactgtg ggtgctgttg ccttggactg 60

cagaggaaac ttggcttacg caacctctac tgggggggatt gtcaatanaa atggttggcc 120

gagttggaga ctcgccttgc ataggagctg gaggttacgc agataataac cttggagccg 180

tttcaaccac aggacatggg gaaagtatcc tgaaggtgaa tctggccaga cttgccctct 240

tccatgtaga gcaaggaaag accgtagagg aggctgctca gttggcattg gattac 296

<210> 5926
<211> 218
<212> DNA
<213> Mus musculus

<400> 5926
cactaagtca agagactgtg cagtactgtc agctattcta gacttgatca aaactcaaga 60

aaaggctact ccaaggaact tgccaccacg gtcacaggac ggatattata gctgacagct 120

ttctgtgatg gcctaaaacc tatcctggtg tccataattt ccaatttttt tctttttttt 180

agtttttggc aaaatgccaa gccctgggtt atgacttg 218

<210> 5927
<211> 437
<212> DNA
<213> Mus musculus

<400> 5927
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ttggctagta gctggacttt atatttatac tctctctgta tttatgcacc tgctgctctg 120

gtgaaggtgg gataagccgc gcccccagcc cttctttctt acctcagatg cctgaagaga 180

accaggcagc ccagtagcag cttcccagga gctgacaagc cttccatcag aggcttgtgc 240

tatcaagtga gcttatcacc cacaacctgc ggtgcccact ccgtgcttct gatgtgcaca 300

cctcacacgg gttaaacact atggccaggc cacctccaat accctctcct cctcctagaa 360

caggcgaggg ggggctggtg cccaggcctg ggcaaggaga gtctgggcac ctacaggctc 420

aggcttgaag ttcattt 437

<210> 5928
<211> 546
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (366)..(366)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (388)..(388)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 5928
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tggctttccc agccaggggt tctggtgcca gtgttggggc agccctgacc cccctgcctc 120

ctcccaagat gcctccacat acaatcctga gcaccgtccc tcagcagatg ttcagcgatg 180

caggcagtgg ggatgacgcc ctggacggag atgacgacct ggtgatcgac attccagagt 240

agccacccag tgccacctgc caggcacctc acagcactcc tcctgtgcca gcaaactcaa 300

gcccacttcc tcaagagatg tttattgatg cccagttgcc atgcttcgnc cactgacaca 360

atcagnaaag gcgtaaacat ncacaatntc cccgaggaag gtggcaggnt cctnccctta 420

catcccagcc ccatccaggg aacagttatt taaacgagtg nccaaaaggn tntgctacnt 480

nttcgggagg tagagaccta cggtgnccgc ccctttagaa gagcagctac gcagggctgg 540

gattta 546

<210> 5929
<211> 480
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(289)
<223> n is a, c, g, or t

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<222> (293)..(297)
<223> n is a, c, g, or t

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<222> (303)..(303)
<223> n is a, c, g, or t

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<222> (306)..(306)
<223> n is a, c, g, or t

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<222> (309)..(309)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (404)..(404)
<223> n is a, c, g, or t

<400> 5929

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tcaataacca agatcaagca gagacacatt tacctggagc gccttggacg gtaccagacc 120

cctgataaga aggggcagac acagatccct aatccctcac tgaggaacat tctcagagtt 180

tctgaagctg agtttttggc caggacagcc tgttcctctg tcgaggagtt tcaagttttt 240

aaaaaactct tggatcaaga ggaggaggag gagtctgaga gccatncnnc tgnnnnngag 300

gangangang annnggagga agaggaggag ctactgtgac acagcactgg ggtntcagag 360

ntcattctca tattctcgaa gtgctgggga ccttcacctg gatncttctc aagcactttt 420

gatcccaaca ctggtatttt gatgggggaa aaaaccaacc tgtaatgatc cactggagat 480

<210> 5930
<211> 399
<212> DNA
<213> Mus musculus

<400> 5930
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ccacctgact gccactggag gtggcgtggt taaggtcaag gagctggact ggctgaagga 120

caacctctgc acagatccca aagccccctt cagctggtca gaagaagaaa tcgctgacct 180

gtatgaccac accactgtgc tgcttgcagc cgaagtgttc tacgatgatg acttaaccaa 240

cgctctgttt aacacacttt cccgactggt ccacagactg aaaaatgcct gcaccgccat 300

cttctcagtg gaaaaaaggt tcaacttcac actgagacac ttggacgtca cgtgtgaagc 360

ctacgatcac ttccgtgcct ccctggactc attggagaa 399

<210> 5931
<211> 497
<212> DNA
<213> Mus musculus

<400> 5931
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gaatcaaagt tgtccatatg gaggcatgca gtgggcaact tgaaaaggcc atttgcaaat 120

ctgtccttga tagaagcgat gctaaagtca tggatggcta tgaaaatata atcgtacata 180

cttgcaatta tgacacatgg ataacatcaa ttattgaaaa taagtcagat aataaagtga 240

ttattcacat caataacgaa ctgagtaaaa actgtgtcaa caacagagga ctcaacatct 300

ttgcagtaga agtggcacca agatctacaa tggtgtgtca acatgtaatg cccctgaatg 360

aacaagaaga atggatatat tgttgtgtgt attctcttgt agcttaaata attccatttg 420

gagctatcaa actaagaagt attttagatc gactatttta tttattaact acatactttt 480

ccatgtaact ggtgtac 497

<210> 5932
<211> 501
<212> DNA
<213> Mus musculus

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<222> (82)..(82)
<223> n is a, c, g, or t

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<222> (310)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (426)..(426)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (473)..(473)
<223> n is a, c, g, or t

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ggaagcaaaa gagtacatca gntgccacag gcctgcaccc ctgaccatgg aggctgccct 120

gcaggaggtg agggaggagc tccaagtccc agcaagtgag gcttgcctgg gtacctgtcc 180

acctcggaat caatgacatc catatggagg caggcaaggt tggggttctc cctgctcaat 240

aacaatcata tatggactct acgctcccat ctgcccagct ggctgctctg aggatacagc 300

atgagaacan nctgagaacc catcacagga cagtggtgtg gtatggggcc atganccagt 360

tggacagaca acatntgtta ggcattccaa tcatccaaga tgggaccagc tnccccatgg 420

gaacantcca tgccaggtgc tgaaacaggt atgagcctgg tgcctgggca cancctgcat 480

ctatccagag cagcctgcac a 501

<210> 5933
<211> 460
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 5933
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tgagatctcc tgtaaacgtt ccctgactgc ttactaggag aacctctgac tgcttgagag 120

ttctagctga ctgttgtttt tctttataaa aaaatttaac acgatttctt ttctcaactt 180

tagagaagat gtttaaatag ttctgttgaa acttttcata gttttgtgta ccattcaacc 240

ttttcttgca gcactgagac ccatttgaaa ggattggcac aaggctgttc tgtttggcac 300

tgtgtgaaca tgagtggttt gcagctgaat ggtagtggtt tcatttgcag cgtanctctg 360

tggtgtcacc agtgttggct gcctccattt tgaaggctat ttgagcttca aaagcctgct 420

gtctaatttt tagagaataa gattgttccc tgcatttcgg 460

<210> 5934
<211> 493
<212> DNA
<213> Mus musculus

<400> 5934
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aagatggata ttgccaatct agctaaagtc tttggcccta caatagttgc ccatactgtg 120

cccaatccag atccagtgac aatgttccag gacatcaaac gtcagctcaa ggtggtggag 180

cgcctactct ctctcccctt ggagtactgg aatcagttca tgatggtgga ccaagagaac 240

atagacagcc agcgaggcaa tggaaactca acaccacgca caccagacgt taaagtgagc 300

ttactggggc ctgtgaccac tcctgaattc cagcttgtca agactccttt atcaagttcc 360

ctgtcacaga ggttgtacaa cctctccaag agcacaccca gatttgggaa caagagcaag 420

tctgccacca acttaggtca acagggcaaa tttttccctg ctccgtacct caagtaaagc 480

tgtgtctgcc tgt 493

<210> 5935
<211> 590
<212> DNA
<213> Mus musculus

<400> 5935
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gacttgtcac catcaagcag ctgcatgagc aagctatgca gtttggtcag ctcctgacac 120

acttggatac cacccagcag atgatggcca gttcccttaa ggataatact gctctcctga 180

cccaggtgca gacaacgatg cgtgaaaact tggccacagt tgaggggaac tttgccagca 240

ttgatgctcg gatgaagagg ctgggaaagt gagcatcact gggagctggg gagcggggat 300

gacccttgcc cctgaacttt gtcagaccct tccacagggt cactcacagc cccagcccac 360

ctgacaaggg caagggttct tgcatgtggg gtacacaccc tcccgacaaa cagagtggga 420

gctgggggct cttattggat gaggttgtgg gcccagccac atgcagttcc cgtccagtaa 480

gtgctttgcc tgctgtggga gagggactgg atcccgtcct ctaacgtctg tctctggccg 540

agtctaacac tgtacaactg tctctgacca ttaaatgctg ttgtaccgtg 590

<210> 5936
<211> 332
<212> DNA
<213> Mus musculus

<400> 5936
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aaagtagcag ggaattttca cataactgtg ggcaaggcaa tcccacatcc tcgagggcat 120

gcacatttgg cagcacttgt caaccatgat tcttacaact tttctcacag aatagatcat 180

ttgtcttttg gagagcttgt tccgggaatt attaatcctt tggatggaac tgaaaagatt 240

gctgtagatc acaaccagat gttccaatat ttcattacag ttgtgccaac aaagctacac 300

acatacaaga tctcagcaga tacccatcag tt 332

<210> 5937
<211> 241
<212> DNA
<213> Mus musculus

<400> 5937
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acaaccacac agaactgcta ggaaacctga aggcggtgaa ccaagcaatc caaagagcag 120

gccgtctgcg cgttggaaag ccaaagaacc aggtgatcag tgcttgtcgg gatgcgattc 180

gaagcaacaa catcaacacc ctcttcagaa tcatgcgagt gggcactgct ccttcatagg 240

a 241

<210> 5938
<211> 440
<212> DNA
<213> Mus musculus

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<222> (258)..(258)
<223> n is a, c, g, or t

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<222> (294)..(294)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (348)..(348)
<223> n is a, c, g, or t

<220>
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<222> (396)..(396)
<223> n is a, c, g, or t

<400> 5938
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aggcacagaa ctactttgga tccattaata tctctaatgc caatgtgaag cagtgtgttt 180

ggtttgccat gaaagaatac aacaaggaaa gtgaggacaa atatgtcttc cttgtggaca 240

agatactcca tgccaaantt cagatcacag accgaatgga ataccaaatt gatnttcaga 300

tntcccgcag taattgcaaa aaacctttaa acaatactga aaactgcntc cctcaaaaaa 360

aacccgaact ggaaaaaaaa atgagttgca gctttntggt aggagcactt ccctggaatg 420

gcgagttcaa cctgttgagc 440

<210> 5939
<211> 547
<212> DNA
<213> Mus musculus

<220>
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<222> (55)..(55)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 5939
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aaccaggtta cctggaagcc actctcaatt ggtttagact ctataaggta ccagatggaa 120

aanccagaaa acaagtttgc ttttaatgga gaattcaaaa acaaggcttt cgccctcgac 180

gttattaact ctgcacatga acgttggaaa gagatggtta tgaagaagtg tgacaaggga 240

gccatcagtt gtgtaaatgt gcacatctgc gatagccctt tccactgcac tatggaggaa 300

gcaagatcat tggttgaatc ggttccaaca ccttcgatga ataaggaaag caatgtagag 360

gaagaagtgt ggcacttcct ccgcaactga tggggacaca gggcttctgc accgagatgt 420

caacctctgg ggacacgggg cttctgcact gacgtcagcc tccagggact cccggggttc 480

cttctccttt agtgctcttg ccgggcacct ggatggccat ctgatgactt cctgtcagac 540

atcactg 547

<210> 5940
<211> 212
<212> DNA
<213> Mus musculus

<400> 5940
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cctgcggttg gtggtaactg tgacatctat gatctttttc atcgtgggac aagcccctga 120

accatatatc gtcatcactg ggtttgaagt caccgttatt ttctgtttcc tagtcttata 180

cacgtgtgga cttgacaaga taatgagatc tt 212

<210> 5941
<211> 476
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (313)..(314)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 5941
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tctgtgggca agatggagac tccacggccg gtcgtaagcc gtcggccctt ctgctgtact 120

ctgaaatgct ttgtgaagtt cctgcggttg gtggtaactg tgacatctat gatcttttc 180

atcgtgggac aagcccctga accatatatc gtcatcactg ggtttgaagt caccgttatt 240

ttctgtttcc tagtcttata cacgtgtgga cttgacaaga taatgagatc tttcttttgg 300

cctttgcttg atnnttatna actcaatggt aacagcatta tgcatgctca ttgtgtntgt 360

gttggctcta ataccagaaa cctcaacaaa gacaatcctt ggaggggtgt ttggtttcct 420

gacagtaaca tgtactattn ccgactgtgc ccttatgtgc cagaaacttc ggtttc 476

<210> 5942
<211> 407
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<400> 5942
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tacatagcct cgggcttcac gggcttcatt gggcttgagg ttgtggccca gctgttcaac 120

tgtatggttg gactgctctt aatagcactc cttacctggg ggtacatcag atattccggg 180

cagtatcgtg agctgggtgg agccattgac tccggtgcag catatgtgtt agagcaggct 240

tcttcgcata ttgntaattc tactcaggct gcagtaaggg atnccgttnt tgggagacca 300

cctgctgata aaaaatctca atagcatctt aatgggaaga tccaacaaga gcccantcag 360

cttctggatt tctnccaatg ccatcacggg tccaattcca gaggaat 407

<210> 5943
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<400> 5943
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atggagagga gngactcggg ggagaggccc actccatggt gtgggaccca agtggtgaac 120

gtctggctgt gctcatgaaa ggaaacccac aggttcagga cgggaatcct gtcatcctcc 180

tttttcgaac tcgaaacagc cccgtgtttg aactgcttcc ctgtggtatt attcaggggg 240

aaccaggagc ccaagctcag ctcatcactt tccatccttc cttcaacaaa ggggccttgc 300

ttagtgtgtg ctggtccaca ggccgaatca cccacatacc tctgtacttt gtcaatgctc 360

agtttccacg ctttagccca gtacttggtc gagcccagga gcctccagct ggagggggag 420

gctctattca tgaagtgcca ctatttactg agacatcacc aacctctgct ccttgggacc 480

ctcttccagg acaatcatct gctcaacc 508

<210> 5944
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<400> 5944
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gtcacctttc tacagaagct ctcatgctcc aggcgatggg gtacagaagc tacctggagc 120

cagttgagtt gcatgtgtct aaactgacgg gcagtggctt aggagaggag aggaaaggag 180

aggacaaagc aaatgaatct tttggtgaga ttgtttttg tttatggttt gttttggttt 240

ttttgttttt tgcccagttt gttttggtgg gaaaaacaac tgtgagctgc ctagcatatg 300

taaatttgta gtctatattt atgagaccat tgcttaaaaa ttataaatta tgtaaataca 360

ttaataactt ctngaattcc tttcagtatt cacttagtcc tgtgcccagt ntcctgtgtg 420

cccacccagt tttcagcctg tccacaggaa cctctgaagc ccatttatct tgtgcaggag 480

cacggagcgc ttagctca 498

<210> 5945
<211> 264
<212> DNA
<213> Mus musculus

<400> 5945
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actgggacag agcaaacctg gaagagcttt atgacaagac ctgccagttc cttagcatca 120

cgcgaagagt taaggtcatg aatgaaaaac tgcagcactg catggaacta acagacctaa 180

tgcggaatca cctcaatgag aagcgagcac tccgcttgga gtggatgatc gtcatcctca 240

tcaccattga ggtaatgttt gagc 264

<210> 5946
<211> 526
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<400> 5946
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actgttaaaa cacaacgcaa gccaaaggct aacactagcg gaagtccttg agcacccttg 120

gatcaaagct aattcttcca aacctccaac tggccacact agcaaagagc caaccagcaa 180

atcatcttag ggaatcctga accacggcca ccgtgcaact gtgagaaaca ccctattgaa 240

gccaccctcc tggaccctca tggctgccct cagggtgcct tgctgagcaa ctagtccttg 300

gccatgcatc caggaaaccc caagaaccat gctgcttttc ctgatttagt aatctggagg 360

gaaggttcca ctgcangctg tcccctaccc tcaccctggg cctgtgcccc aaggtgtcct 420

tgtgggggggg gggggtctca ctgtgggaaa cttaccagag atcacctgtg tcgtagcctt 480

caagtgccag agtgtgtgta taacttattg ggtcaccagg cctagg 526

<210> 5947
<211> 296
<212> DNA
<213> Mus musculus

<400> 5947
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ccattcctct gtgagagact gcggatcaag gtcatcccca cgctagctct cttaagagat 120

ggcaagacgc aagattatgt tgttggattc accgacctag gaaatacaga tgacttcact 180

acagaaactt tagaatggag acttggttgt tctgatgtta tcaattacag tggaaattta 240

atggagccac catttcagag ccaaaagaaa tttgggacaa actttacaaa gctgga 296

<210> 5948
<211> 313
<212> DNA
<213> Mus musculus

<400> 5948
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cagcaggcag gcaccttcag tccgtcttaa cctcaccctc caaatgttca acggcagaag 120

ggtttttatg attttaaatt attactgctt tgaaataaat ggacgtttga gccacgtgcg 180

gccatgcatg gtctgtggag agtcagcaga actgtcgcca ggcccagccc gccacacgcc 240

ctgggaggcc gggcccagca cccaaccagc gccggcctcg ggaccacaag ggtgaccagc 300

agacccagga aca 313

<210> 5949
<211> 298
<212> DNA
<213> Mus musculus

<400> 5949
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agcacggagt cttctgtcct tcccagctgg actccacttc acagggttgg actcctgata 120

tctcagtgga actgaacaga gcacagggcc agacagccct atcagaattg cctacacgtc 180

tgcacctaga ggcagagacc ctggaagcaa cagccaagat tctgactccc aacagctgtc 240

cccagtgtct gtggttggaa ttggaaggac agagacagca atatcttcag ccatcagg 298

<210> 5950
<211> 328
<212> DNA
<213> Mus musculus

<400> 5950
gagattagcg tggacagttt ggacttcaat agaagatcct ccacacagcc tggcacccca 60

tggagagcat tattgctgta gctgccacca ataacttgta tatattccag gacaaaatta 120

attaagaaaa ctgactggag gaccaagtgt tgtcttgcat atgtacgccg gtcaattagt 180

tttcctgtca aaaaaggcat tgtcctctcc attgagaata gtggcgcact tctacttccc 240

taatagatac aggagaagaa gggctctcag ctggagtcgg aagagatgag tgccgctgct 300

gaagggaaaa cctgctcgaa gctgaatt 328

<210> 5951
<211> 199
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<400> 5951
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gcactgtgag cgccacaggg aacctcctcg cccacacctt cctcgcctac ccatgccaan 120

atgtctcctc ctgtcgaaac ctggctcctg gctccatagt gacacaatgc tacaatggtg 180

tccccgctga agatattac 199

<210> 5952
<211> 339
<212> DNA
<213> Mus musculus

<400> 5952
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cgctcgcttg ctaaagaggt tgcacggaag aaaatcagag tgaatgtggt ggcaccagga 120

tttattcgca cggatatgac aagacacttg aaagaagaac acttcaagaa aaacattcct 180

cttgggaggt ttggagaaac tcttgaggta gcacatgccg ttgtgtttct tttagagtca 240

ccatacatca caggccatgt tcttatcgtg gatggaggat tgcagctcac cgtctaatta 300

gagatgatgt tactgtgatg gcgctttggg tcaagtaca 339

<210> 5953
<211> 558
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (269)..(269)
<223> n is a, c, g, or t

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<222> (306)..(306)
<223> n is a, c, g, or t

<220>
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<222> (328)..(328)
<223> n is a, c, g, or t

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<222> (360)..(360)
<223> n is a, c, g, or t

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<222> (368)..(368)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (448)..(448)
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<222> (451)..(451)
<223> n is a, c, g, or t

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<222> (520)..(520)
<223> n is a, c, g, or t

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<222> (522)..(522)
<223> n is a, c, g, or t

<220>
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<222> (531)..(531)
<223> n is a, c, g, or t

<400> 5953
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caaaagagta actttcagaa agacaacagg ttataaaatc ctcacctttg aatataanga 120

ggagcaaatt gtaatgaaat tggatagtga tgttctaacc ttccctatgt gtatattctg 180

caatttcctt tttgtaaacc taggaaatgc agaaaacaag taatcttatc aattattaga 240

ctgtaagcat tttacaagta ttgaatggnt catttaatat gaaggctgtg taatgactac 300

agtgangaag accaaaaaca aattcaanat tctttggagt ctagtaccac cagaagtgan 360

tgcttccntc catcacctta tttccatgta tttctgaagn aaacctttac ttccaacaaa 420

gtatttgtca aatcaaataa acctaatntt ntgatttaaa tttaccatcg agatccaagc 480

ttggaatgga aataagagac tatatttgca aggtaaaacn tntcaatcaa nttgttaagt 540

agatttggcc ctagctaa 558

<210> 5954
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (329)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (336)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<400> 5954
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gccacagctc accagaatgc aaggaggagc ccgagcccct ctcccctgag ctagaataca 120

ttcccagaaa gaggggcaag aaccccatga aagccgtggg gctagcctgg gccatcggct 180

tcccctgtgg tatcctcttc ttcgtcctca ccaagcagga agtggacaag gaccgattga 240

agcagatgaa agctcgtcag aacatgcggg tgtccaacac gggcgagtat gagagccaga 300

ggttcagggc ttcaccccaa caagcccann ttnccnnntg aggnttgggt ctggggccca 360

gacctgagtg aggatcactg caaccttgtg ctagactatt gactgccgtc ttgtgtggcc 420

at 422

<210> 5955
<211> 328
<212> DNA
<213> Mus musculus

<400> 5955
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ctggcagttt atggatctaa ttgacccttg gggaaagcag aaccctcgac ctggccacct 120

gagttcattt tagtggtccc cctcaaagcc catgtgtaga cgtacagatg tgtgtctgct 180

gactagaggc agaaccggat aaagagagcc aaatgagagc ttagggattc tagaagtcct 240

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gagtcatcag ggattacggg agaggctt 328

<210> 5956
<211> 368
<212> DNA
<213> Mus musculus

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<222> (249)..(249)
<223> n is a, c, g, or t

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<222> (287)..(287)
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<222> (290)..(290)
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<223> n is a, c, g, or t

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<222> (332)..(332)
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<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

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acgtctccaa cttatgtgat gatggatgac agcaagaaga ccaatgcccc acctttttata 120

ttagtaggct caaatgttca ggaagcgcag gattggaacc ctcttcctgg acatgctgtt 180

gtgtcacaag cagaggcctt gaagagatat gctgcagtgc aagtgcccat tgctgttcct 240

gcagatcana cattccagag acctgcccca aatccccaga angctantcn tcntacnaag 300

tggacaagat ggccccagac cgaaaagccc antntttntt tntgttgctt tcccagtaga 360

agatgtag 368

<210> 5957
<211> 480
<212> DNA
<213> Mus musculus

<400> 5957
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ggtttttaca cagtttatag ccaccctgct gacagaattg catttaaaat tcgaagatct 120

tgaaaaatta accatgatat ttagaaccag ctgctagcta acaagaatga tgtaactgag 180

gaagacagaa gaggaatgct cctcaccagg cctggtgttt tcgccagtga gagtccatgg 240

gtgactgatg actaagtgtg taacttcctc agacacagac aagccattac cccagcaaga 300

aggaagctct tacatccaga acctcagaac acaggatttg aggggaaaat gaagtcttaa 360

actgaaattt gaatggatat tggggaaaat gtaattacct ttattctttt tgattggtta 420

ccaccaacac aaccaaaact taagaaaatg gtaattgtgg cctattgtaa actctgtcat 480

<210> 5958
<211> 182
<212> DNA
<213> Mus musculus

<400> 5958
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cagaggatca gcgagtactc tgaggccgcc atcaccatca ggggcaccta cttccctccc 120

ggcaaggagc ccaaggaagg agagcgcaag atctacctgg ccatcgaaag tgccaacgag 180

ct 182

<210> 5959
<211> 581
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (540)..(540)

<223> n is a, c, g, or t

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ggagtgtggt ntgctccgat gtggaacagc aggtgatngt gattgaagaa gaaaagaaat 120

tcttgaaatt gctggagctt ttaggccatt atcaggagtc aggatctgtc attatatttg 180

tggataagca ggaacacgca gatggtcttc tgaaggactt gatgagagca tcgtaccctt 240

gcatgtctct tcacggaggt attgatcaan tatgacaggg acagtatcat aaatgacntt 300

aagnatngaa cctgcnagct cctcgttncc acatctgttg cagctcgtnn tctcgatgtg 360

aaanatctaa ttcttgtant gaatnacanc tnccccaatc attatgaaga ttatgtgcac 420

agagctgggc ggactggaag agcgggcaac aagggttatn cctacacctt catcacagag 480

gatcaagctc gatatgctgg tgacatcatt aaagctcttg aattntcagg gaccncagtn 540

cctcctgacc tagaaaaact ctggagtgac ttcaaagatc a   581

<210> 5960
<211> 577
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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aaaccgggct ccggaggaga aaggggcagc ctggctttgt ctccccccctt gaacaagctg 180

aagctggtgc actcaaacct ggaggaagac cctgaggagg tccgggtgga gttcatcaag 240

tatttaaaaa gcatcatcaa ctccatgtca gagagcagag accgcgagga gatgctcatc 300

atcacctagt gtcccagtgc caccgcctcc caaaggacgc tgactaaccc cacccagccg 360

ctgacgcacc cttctcctnt agaaggctcc aggaagatca ggcatggtgc cacacacctg 420

tgatcccagc tctcaggagg ctgaggtggg aggagggttg agagttcaag gccagccctg 480

gctgcatagg agcgcttatc tcctcccttc tccagaagca aaaagctgcc ctgcttgcct 540

gtntcagttg tcatgcataa acatgtcctt ccttccg 577

<210> 5961
<211> 501
<212> DNA
<213> Mus musculus

<400> 5961
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gccacaccag taagctcaac ccagggacac ctctgccctc tgctctccac gcatgcgcct 120

ctggagaaga agtcttggcc cagtacttac agcagcagca tcctagagtc ttgagttcgt 180

cacatctgct gctgactccc tgcaaagtgg ctcctccata cccacacttc ttctcaagct 240

tcagtcagaa agggctggcc atggacagta cccccaaggg cgcagcagta cagagcatcc 300

ctgtgtttgg ggccttgcgt tcaacttcat ccttgcaccg tacgctggga gacttggctg 360

aagagctcag cagacttgac ctgcggcgct gggctagctt catggacgct ggcgtggagc 420

aggatgacat ggaagagatg ctgcacgagt tacacaggtt ggcccagtgt taccaggagg 480

gtgacagtct ctcgaactga a 501

<210> 5962
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<212> DNA
<213> Mus musculus

<220>
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<222> (112)..(112)
<223> n is a, c, g, or t

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gtattgacga agctgtgttc catttgccag tgggattttc tgcagttgtt tncaattcac 120

ataaagataa taaagttcct ctctgctctc ctcagaggat ggccctgtaa ggtagcctga 180

gacaaacctg gggtttgaaa ggtgacctgg gagaacagct ctgttcaatg tgcagcagtt 240

tacaaagaca gctcatcagc tgatgatgca ccatcttata ctctgaataa ttatttatta 300

catcttgctt ggttcctact ttttgttggg gctcaacatt ggctcaagaa tgctgttaat 360

atttattctg tattgataaa agtctgtctt ggcactaca 399

<210> 5963
<211> 530
<212> DNA
<213> Mus musculus

<400> 5963
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tcactggaac ccccatctga gaagccctgg gagcggcgcc aagcagagat gaagcgctta 120

tatggcaaca gtgctcccaa gatcctggcc atggagactg ctgtacagct gagctttgac 180

aagcactgtg acagaaagca accaaagtac tggcctgtca ttcccctgaa gttctgagtc 240

ctgggcaccg ggaccctagg gaatgcatca cagttcctag cctctccctc ttcatctctt 300

ctggacattt ttcagagaaa gaggcctgta taccaacatg gtggatacag tctgtcaaca 360

ggagagaggt atactgttgc caacacaagg aatgttcact gacaaagtga taatttatgt 420

attgtactgg ctcttggttt tctctttaac agtccagttc attgaaatta ttgcctagca 480

atactgccta ttgttttgca tttttaatgt ccttctttaa accatccaga 530

<210> 5964
<211> 248
<212> DNA
<213> Mus musculus

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<222> (78)..(78)
<223> n is a, c, g, or t

<220>
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<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

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cactgcaagt gacctttntc agggtctntc tgaggccttt ggtggggtgg ctgtaccttc 120

acatatgatg gaggggcact ggcgancctc acagctccaa cagctggatg tggcttttga 180

acctggacct ggtgtggncc gtggtgaggg ccccttcttg ggagctagat ccatgtgtat 240

gactgaat 248

<210> 5965
<211> 509
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (452)..(452)
<223> n is a, c, g, or t

<400> 5965
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ttagctccag ttaatggaca gagggacgag ggtgagagag cagatctttg tctttttgag 120

cggctagctt ttgccaacgt aagaaatagc tttccctaca agactgctgt tgctcagtat 180

gtttttccca ttccaattct tcaacttaag aacagcctac tgagtgtaag ttattgtaat 240

attccctgag ggcatgcctc tcctgctttt ttgtttgttt atttgtttgt ttctttcttt 300

tggtttgggt tttgtatgtg tgtatgtgtt tagttcattt tgctatctga cancagtagc 360

tgctaagtat gcgtagaaat tatcaagata tggctagtga gatgactggt tattncagnt 420

ccagttccta aaggtaggag aaaactagct ancctcaggg agttgtcctt agacctcagt 480

agtggggcaa tggtgcatag tcacacaca 509

<210> 5966
<211> 106
<212> DNA
<213> Mus musculus

<400> 5966
agaacctaaa atggctccac aggagttgcc gctacaggag aaggaaaggc ttgcctcttc 60

actaccccag accttgaaag aggagagcac ctctgctgaa aacatg 106

<210> 5967
<211> 459
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

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taaaccctag aaaacagcac tggtgnttca atgaactata ttctttatcc agttcctttg 120

gatgagaaga caggctttca acttagcagc catggttact atgtcttgca actttactat 180

atgtacccaa tgaatcatac tagtatgtga cagtcagatg gaatgtcaga gggacacttt 240

tctccctttc ttaattaaat ctgagttttg ttgcaaaagg cacatatatc atatttgttt 300

atacattttt gtaactttct aattgactct tggaagattt tggaaataga acaaaatatc 360

tttaacactt ttttagttgc actttaaatt atctttgttg aagcatttaa tttatgatgt 420

gacacatata aaatacatct ttatcttgtg tgtaaacag 459

<210> 5968
<211> 532
<212> DNA
<213> Mus musculus

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<222> (100)..(100)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (432)..(432)
<223> n is a, c, g, or t

<400> 5968

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ccgtccctga ctggcagggg cacagccctc ctgcgaagca ttgggctggg ctcagccagg 180

attcaggctg ggagctgtgg acccggtctt ctttgaactg ggtggatacc tccagcctcg 240

gaagctgagg aactggccag ggctgaggac agacatcagg ggtgtatcca gctggagctc 300

taggtctggc ctctggaggc caggagagat ggagagggac ctcctttgat tgacagctgg 360

tagacactcc ctgtagatgc acacgtggga agacacctag cttctctcca gacttccaaa 420

caacacaatg tnatctgtct agggaattca gcctccgagg gccagagggt aagcaagggt 480

gacgtcacat ccctgtaact ccttggagat gatttaaacc ttgactctgt at 532

<210> 5969
<211> 475
<212> DNA
<213> Mus musculus

<400> 5969
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ggatgacaaa gtgaaggaga aaatcaaacc agagcatagc gagaaactgg gagaaagaga 120

cgacaccatc ccccctgaat acaggcatct cttggataat gatgggaagg acaaaccaga 180

gaagccaccg actaagaaaa cagagaaacc tgatcaggac cgggacccca ttgatgccct 240

ctcagaagat ttggatagct gcccctcaac tacagagacc tcaaagaata cagcaaaggg 300

gaagagcaag aagacttcaa gttccaaagc atccaaggac ggagagaaaa caaaggactc 360

ttccaagaag acagaggaag tgtccaagcc aaaggctaaa gaagatgcaa gacacagtta 420

atgaatttgg gtatctgaat agaaattctt cagctggtgg atggtgactt ttgaa 475

<210> 5970
<211> 182
<212> DNA
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<223> n is a, c, g, or t

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ttttatgtgc attcatattc atgtcacttg catatgtgga cagaagtttc aacttctaan 120

caaagtgaac atgaaatatt tagtgtgctt tccaacatgg agattacttt tctattttct 180

aa 182

<210> 5971
<211> 495
<212> DNA
<213> Mus musculus

<400> 5971
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atcctgatgc tgtggacaca gggagcagtg agctgcctgt gctctttgag ctgggggaga 120

gctcctactt ctctgagggg gatgactaca cggatgatcc caccatctct cttctgacag 180

gcactgaacc ccataaagcc aaggacccca ctgtctccta gagctctcag gagttgtcag 240

gctggcttgt gcctggcccc caacctatcc ctaggacatg gctggtccta gggagacaaa 300

acagttgggt agtccagggg accctaggtc aagtcaccac aaccccagtg gagcacagat 360

ggaacttggt cctgggcagt accttggatc aggaggaaga tcctgagggc tgcatacctg 420

ctgcctttac cccagcccca ggtctactct ctggtcacag cttcacagcc acacttggac 480

tgaccctgca ggttg 495

<210> 5972
<211> 426
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

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tgcagcttca agtttctaga gatcgacaag aatgaagagg agtttgccat ttctgtggag 120

catgtcgtgt tccacttcaa cgaaaaccag gatgacgatt ttgcctacaa gttcctgaga 180

gtccggagaa gtcttcgtca gaaatatacg ctgaaatatt tagtagacct ggagatgggc 240

cgtacgcttt gcgggaaata tgatgaagac attgacaatt gtccattgca ggaaggtcca 300

ggagagagaa aggtacgctg cacttacatt gtggagactg aagcatgggt tactaagttc 360

accatnttga acagcacctg tgtgcagact taagtggggc agaggtcatt ctgtgcctat 420

agctaa 426

<210> 5973
<211> 172
<212> DNA
<213> Mus musculus

<400> 5973
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ctaatgacac tgaaacaaac agttagcttt cttccтttct tttcтttttt attaaacagt 120

gataagattt tgttaccaag cagcatttga taaaaggttc actggttttg gt 172

<210> 5974
<211> 396
<212> DNA
<213> Mus musculus

<400> 5974
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tggaaaacat ggtgataaag ctggccaagg aactaccacc cccttctgaa gaaataaaga 120

caggtgagga tgaagacgag gaagataatg atgctttact aaaggaaaat gaaagtccag 180

atgttcggcg agataaacct ataacagggg agcagataga gtcatttgcc aacaaacttg 240

gtgagcagtg gaagattttg gctccttacc tggaaattaa agactctgat attaggcaga 300

ttgagtgtga cagtgaagac atgaagatga gagccaagca gctccttgtt gcctggcaag 360

atcaagaagg agttcatgca acaactgata acctga 396

<210> 5975
<211> 379
<212> DNA
<213> Mus musculus

<400> 5975
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gcaaggagct gttctctgaa atgctggata agttgtggga gaatcccaac gtcctgtgcc 120

ttgtctatga tgtgaccaat gaacagtcct tcatcagctg caccaagtgg ttggagaagg 180

tccggtctca gacttcaggc atctccctcc caggtgtttt agtgggaact aagacagacc 240

tggctggccg acaaacagtg gattcagctc aggcccaggt atgggcactg agtcaaggcc 300

tggaattctt tgagacatct gtgaaggaga tggataatta cgaggccccg ttccactgtc 360

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<211> 505
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aggtctttaa ggactggaga cctggaggaa ccatcaggtg cagtaactgt ggggaggtct 120

ggggcttcca gatgatctac aaatcagtga ccttgccagt gctcaaaatc ggaagcatgc 180

tactggaaac acctcgaggg aagatccagg ccaaaaagtg gtcccgggtg nccnttnctc 240

cataccagtc ttcgatatcc tgcaggactg cacacaaagc ctgtntgagc tctccctgga 300

ctgaccccct tgngactgca gnacctangt cnaactgcag ggggcaggag agtccancaa 360

nccntcctcc ttnccccngg ctagcactct ggtcagggta ccccctttatt ctgctgcaga 420

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gttctaagaa ctacaacatc cctcc 505

<210> 5977
<211> 563
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (165)..(165)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggatcctcct gcctctacct cttgantgct gggattgccn gcgtgcacca tcatatgcaa 120

tttttgtctg tgctggnatg gcagcaagcn ttctgccagc tgagntaccc caccccccta 180

gcctgttggg ggtttttgag acanggcctc acatgggcta nactggncct gnaactcccc 240

atcctcctgc ctcagcctcc cagtcgctga ggntgacagt gtactgnnnn nngnttttag 300

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cttttagaac ttcagtactt gggacgagta aggtggctca gtagctaaag gtgctgccac 480

caagcctgat gttcagtctc tgcaatccac gtggtaaaag gagtgtcccc tgatctccac 540

acgcacatca cccattttga taa 563

<210> 5978
<211> 544
<212> DNA
<213> Mus musculus

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<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (402)..(402)
<223> n is a, c, g, or t

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<222> (465)..(465)
<223> n is a, c, g, or t

<220>
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<222> (481)..(481)
<223> n is a, c, g, or t

<220>
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<222> (483)..(483)
<223> n is a, c, g, or t

<220>
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<222> (506)..(506)
<223> n is a, c, g, or t

<400> 5978
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tacctcttga atgctgggat tgccagcgtg caccatcata tgcaattttt gtctgtgctg 120

ggatggcagc aagcgttctg ccagctgagc taccccaccc ccctagcctg ttgggggttt 180

ttgagacaag gcctcacatg ggctagactg gcctggaact ccccatcctc ctgcctcagc 240

ctcccagtcg ctgaggtgac agtgtactgg tgaggtttta ggaggagcca tctgaccctt 300

gacgtcatga gcatcntatn tcctgcccgg agctgnttnt nctgggcctg gnctncgncc 360

attcctnanc tcactgagtn tcatatgtgg agggattgan tnttttagaa cttcagtact 420

tgggacgagt aaggtggctc agtagctaaa ggtgctgcca ccaancctga tgttcagtct 480

ntncaatcca cgtggtaaaa ggagtntccc ctgatctcca cacgcacatc acccattttg 540

ataa 544

<210> 5979
<211> 150
<212> DNA
<213> Mus musculus

<400> 5979
atgagatgcg ccgggctgcg gaggagcgca ggagggaaaa ggctgaagag ttagctgcca 60

gacaaagggt tcgagaaaaa attgaaaggg acaaagcaga gagagccaag aagtatggtg 120

gtagtgtggg ttctcggtca tccccaccag 150

<210> 5980
<211> 344
<212> DNA
<213> Mus musculus

<400> 5980
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aagacatatg attggcttct gtcttgcaca caatcttttt tacttcatta tctgaatctg 120

ctttgtcatt caaaccagaa accgtacttg agttgtaaac tagacagtga gaaaacactt 180

ggcttctgct gtatgttgtt gtcatcgtta cccagtaact tgaatattgt ttaatgtgct 240

gtaagacatt atagagatta tctccagctg tttaaaatgg taatgtacaa atgtgaatag 300

acacttatct ataacatggg taagttttgt tttgcctata atag 344

<210> 5981
<211> 480
<212> DNA
<213> Mus musculus

<220>
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<222> (239)..(239)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)

<223> n is a, c, g, or t

<220>
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<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<400> 5981
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acaagtgaac actctgatac acttcatctg cttgtacatc tgtatgatag agaaatgtaa 120

atatgttaat ccaagcaatg tgtcacttgg ctgagaaatg aggcatttaa atctgtgtgt 180

ggagatgggc caaatgagta actagtgtgt caccagaaga cttggttttc accatggtnt 240

cttatgcctg aagttatgtg aacattctag ttgtntaggc ttccaagtgg caagtattaa 300

aactttagcc catgagagga tgttaagacc tgttctgaaa atattttgac ttcttggatt 360

caaaaagcac ttagctctct ttctctctca gtgctttaaa atgtcattgt gaacaactnt 420

cctttgatgt atgacactgt agatacatng gggctgtctg tagcactgtc tggatgtttc 480

<210> 5982
<211> 308
<212> DNA
<213> Mus musculus

<400> 5982
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ctgcatgtgg actacgagct cccagatggg aagatcatca ccatcggcca ggagcgcttc 120

cgctgctctg agatgctctt caagccctcc ctggtgggtt gcacccaacc tggcctcccc 180

gagctcacgg cgacctgcct ggcccgctgc cagggcactg gcttcaagga ggagatggct 240

gctaacgtgc tgctgtgcgg tggctgcacc atgctggatg gtttccccga gcgtttccag 300

agggagtt 308

<210> 5983
<211> 448
<212> DNA
<213> Mus musculus

<400> 5983
actgccagta tacacgagtg aagctgaaaa aatgagtaat tcccaagggg atggtgaaca 60

ctttgtacag ccaccctcag aagttaaagt gcattttgct aatcagtcag tacaaccctt 120

ggcaagaaag atggagttgt tgcctgaaac ttcctccctc acacaaaaag gtttgaagat 180

acctggctta gagcatgcaa gcatggaagg accaatagca aatttgtcag cacttggaac 240

agaagagtta cgtcaacgag agcattatct caagcagaag agagataagc tgctgtccat 300

gagaaaggat acgaggacaa agcagatcca gaatactgag caaaaaggaa agcctaccag 360

ggaggcagag gaaatgacag agaagccaga aatgacagca gaggagaaac aaacattact 420

aaagaggcga ttgcttgcag agaaactt 448

<210> 5984
<211> 337
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<400> 5984
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tatagtcacc angctgcgtt gccccagaca ctgctggctt ttgccacatc tggcatacta 120

gcaccaccct tgcacacatg tgggccacaa gaccgagaga cccctgccca aggagccaca 180

tgaaacacta gaccacctga gcaccgtaca agagcctcac cgaataactg cccgtcatca 240

aaacaagtca aacatctgcc gcagtgccac atgaaacacc caccaggcag gcctccacac 300

gtcagacctg cccgtggact cccaagtgag acacctt 337

<210> 5985
<211> 549
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(214)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (218)..(220)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(245)
<223> n is a, c, g, or t

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<222> (247)..(255)
<223> n is a, c, g, or t

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<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (473)..(473)

<223> n is a, c, g, or t

<400> 5985
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gctgaccaag ttgcaggcag tgaaggccct gtaccaagtg agccaggaag agcactgcca 120

gctgcagcaa cggatgcaca ggctgctggc caagcagaag gagctcacag aggagctgca 180

gtgctgcgag aaggagctga gggagngnnn nnnnagcnnn gnnnnngnnc nngnnnncnn 240

nnnnntnnnn nnnnncnaga acatgtttgg gatgtggaag cctatggttt tcttggctat 300

tgcagcagta gctctgtatg tgttacccaa tatgcgaccg caggaatcag aatactacat 360

gaagtgatgg cagacctgga ccagcccaga gggcanatcc ccagaggcta ccaccctcac 420

ctttgggcag natacactgt gccagagccc caacccacct atgtttntcc atntcctttg 480

cctcagccac tcagactgga aaggcttatg ggagttgctg gctctcaacc tcctgccttg 540

tgtaagaac 549

<210> 5986
<211> 487
<212> DNA
<213> Mus musculus

<400> 5986
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gaacatcaga aaattcatag tggagagaaa ccttacaaat gcagagactg tgacatatca 120

tttagccaga tttcaaatct cagaagacat cagaaacttc atactggtga gaaaccttac 180

aaatgtatgg aatgtgacaa gtcctttact cataactcaa attttagaac acatcagaga 240

gttcatactg gagagaaacc ttatagatgt gccgaatgtg acaaatcttt tactaggtgc 300

tcctacctta gagcccatca gaaaattcat actggagaga aaccttacaa atgtatggaa 360

tatgacaaac ccaataccca ggactcaaat cttaaaagac atcaaagagt tcatactgga 420

gtgaaacata ccttttaaa taatgtaaca tagtatttat ccagtattct atctgcttat 480

aagtcat 487

<210> 5987
<211> 486
<212> DNA
<213> Mus musculus

<400> 5987
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tcatagaaca aaaaccaaaa agaagcagga ctgtgaagac aagagcaagc agaaacacag 120

gaaaaggaag ttcttggtca cctcctcctg tagaaattaa gctggtttct cccttggcga 180

gtccagtgga tgaaataaag accggcaagc caagaaaaac tgcagaaata gcaggaaaaa 240

ctcttggaag gggcagaaag aagccatctt cttttccaaa gcaaatttta cgcaggaaaa 300

tgctgtaatt tttagcccaa gattttaaca cgcacctgtt tgtaaaagtc aacagtattt 360

gtgtggatta ttaaagtcac caatttggat ggaaatactt tatataaatt gtacaatttt 420

gtaagcagta aatgagtaac tccacatgga gtgcagttct tgtagtgcag gcgttttata 480

cgactt 486

<210> 5988
<211> 538
<212> DNA
<213> Mus musculus

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<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<400> 5988
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tcccgccccg cctccctggg atacagtgga gctgcagggc cccgccccat cacccagagt 120

gagctggcca ctgccctggc cctggccagt actccagaga gcagttctca tacaccaact 180

cctggcaccc agggnccatt cttcaggcac ctcgccaatg tcctctggtg tccagtcagg 240

gacacccatc accaacgatc tttttagcca agctctccag catgccctgc aggcctctgg 300

gcagcccagc cttcagancc agtggcagcc tcagctgcag cagttgcgtg acatgggcat 360

ccaggatgac gaactaancc tccgggccct acaggccact ggaggtgata tccaagcagc 420

ccntggaact catctttgct ggaggagccc catgaacttc ttgtacctga acacctagca 480

aattgcagag gctgttcctg gcaagaagca cttgtgaagt tgcttctaga ttccccac 538

<210> 5989
<211> 156
<212> DNA
<213> Mus musculus

<400> 5989
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gaagagacaa gctctggtcc ggaggggact atccagaccc agaatccaca ttacagccgt 120

gaagaattga attcgatgac tcttgctgaa gtagta 156

<210> 5990
<211> 450
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<400> 5990
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agatgtggga cacaaagacc ctgggcttga ggcagcatca ctgcaggaag tgtgggcagg 120

ccgtctgtgg gaagtgcagc agcaagcggt ccagttaccc cgtcatgggt tttgagttcc 180

aggttcgagt ttgtgattcc tgttacgact ccatcaaaga tgaggaccgg acttctctag 240

caacatttca tgaaggaaaa cataacattt cccatatgtc catggacatt gcaaggggac 300

tgatggtgac ctgtgggaca gatcgtgttg tgaagatatg ggatatgact cctgtggtgg 360

gctgcagcct ggcaactgga ttttntccac actgatccca gagctgggtg atntntgcta 420

cacgtgatgc atagcatcct ccatgaatgg 450

<210> 5991
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (472)..(472)
<223> n is a, c, g, or t

<400> 5991
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ggtctttgat gaagaagtgg tggtccagat caaggaagag actcgcttgg tgtccatcat 120

tgaccagatt gacaaggctg tagctatcat ccctcgaggt gccctcttca agacccctttt 180

tggagtcacc catgtcaatc ggacctttga aggcctgccc ctgtccgagg tcaggaagct 240

tagctcgtac ttccacttca gggaggctat tgatctgaag aacaagacct tgctggagaa 300

gtcggacttg gagccctcgc tggatttcct ggactccctg gaatatgaca tccccagagg 360

gtcttggagc atccagatgg aaaggggcaa cgcactggtg gtgctgcgca gcctgctctg 420

gccaggcctc accttntacc acgctcctcg caccaagaac tatggctaca tntacgtagg 480

cacaggagag aagaacatgg acttgcccctt catgc 515

<210> 5992
<211> 425
<212> DNA
<213> Mus musculus

<400> 5992
aggagccaag gacaggtcta cgaccggtga ggcactcaaa gtcaggaaag tcactgaccc 60

agtccctgtg gctcaacaac aatgtcctca atgatctgaa agacttcaac caggtggttt 120

cacagcttct acagcatcca gagaatctgg cctggattga cctctccttc aatgacctga 180

ctaccattga ccctgtccta acaacattct tcaacctaag tgtcctctac cttcacggca 240

acggcatcca tcgcctaggg gaggtgaata agctagctgt cctccctcgt ctccggagcc 300

tgaccctcca tgggaacccc atagaggaag aaaaggggta caggcagtat gtgctgtgca 360

acctgccccg tatcaccacg tttgacttca gtggagtcac cagggccgat cgcagcacag 420

ctgaa 425

<210> 5993
<211> 338
<212> DNA
<213> Mus musculus

<400> 5993
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ttaacagtga atacttacag gatacaaact taactcatgc attgtatgaa gaaatatctt 120

tgacttcatt tcaggtcaaa gagaatatct aataactttt taggcaaagt atttctgttg 180

gggaaagtgt ggcctgtgtt ttattcacgt tctattcttg acaacaattg aggctccaca 240

ctagagaatt agtatgatta tgaaaatcat gtgaaaactt tcatgcaatg ttcaaatctt 300

aaataatgtc aactattttt tgcttgaaga aactctga 338

<210> 5994
<211> 88
<212> DNA
<213> Mus musculus

<400> 5994
gaatgagttc ttctctggta aaattccagg tggaagaagg ggaaatgcaa acttggtgtt 60

ctgagactcc cttagagacc ctgggaga 88

<210> 5995
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (456)..(456)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<400> 5995
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accgctacgt gctggagctc ctacagaccc accagcgctt ccgccatttg catgtggtgg 120

gcaccatctt tgacagtggt cctggcgata gcaacctgat aggggccctg agggctctgg 180

caaccatcct ggagcgccga cctgcggtgc tgcgcctgtt gctcctggca gcatttgccc 240

tggtggtgat cctgtttcac ttcctgcttg ctccattcac tgccctcttc cacacccact 300

tctacgacag gctgcaggac tcaggnctcc tgctggcctg aactctacct ntantctaga 360

gctgataagg tgntctncgg ccagggatgt ggaacgtatg gtagaggcac gcctggctca 420

ccaggtcatg gtgcgtggag tggactttgt ntcatntgcg catntcagcc acctccgaga 480

ctntcctact tactatacaa gtctgtgtgt tgacttcatg cataattgtg tccaatg 537

<210> 5996
<211> 470
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
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<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

<220>
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<222> (381)..(381)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
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<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<400> 5996
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cctaaagatt ccaaatagtt gcacccagtt ggttttgatc aaacttaagc tccatctggt 120

ggagatttgg cactgtgatg gactcgttat attggtaata aaagaacagt aactctgaaa 180

gtaaagaagg caaaatccaa gggaaaagac caggcctaca ggaagaaagc aaggactggc 240

ctctgcctct gttctgaatc aggagctntg cncagtggtt ccagttctca gagttgtntg 300

aagntcctnt ntcccacctg cacaaccaga ganttngtat ntgggtgatc ctagncatac 360

agctggacaa gtatctgtnt nttatgcntc cattaaagag cagagntntg ttaagaagca 420

atcaggaaga cacntntgct gtntgctggc ttggcatgag cccggatgca 470

<210> 5997
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<400> 5997
ggacacagca ctccggtact gggaacgcaa ccgtgcagtc cggcagaata tctttccgag 60

tgagcagacg gctttgccag ctgtatctgt gtcagaacgg gtgctcggga gtgttgggag 120

atggttggac agtctgccca gagcccttta tcccagggtc caagacactg tggccggctc 180

ctcattctgg acctgccccc gcgtgtcagc tcaggaacct cagctctacc tttctgagga 240

ctcctccgtg agcagccacc tacccttcat ntccagggcc accatcccaa ggccacgggg 300

aggcctcaga accttcctgg ac 322

<210> 5998
<211> 379
<212> DNA
<213> Mus musculus

<400> 5998
actagatttc acatggattc ttccaagtgt gattcaacta gagattgcaa cgaccatggg 60

gtttgcaaca atttacagca ttgccactgt gatataggat ataaccctcc tttttgtgag 120

gaacataagg gacagtttgg aagcgttgat gatggacata aatatcatgt tgaagatggt 180

aaaagctata agcagcaaag tcatagtaat cttaaaaaaa atcagcttca gctcattctc 240

tacatatctc tgcccttact tgtgatgatt tcagctgtag ttataaagca aagcaaactg 300

agtcgtgtat gtgacagaga aagaagtgaa agcgacagct ctacaacaga agatagcggg 360

agtaacacca atgtgacca 379

<210> 5999
<211> 327
<212> DNA
<213> Mus musculus

<400> 5999
gtggcaaatc aatctcctac agctgttcct ctgtgcctca tcagggcaga gggtttagtc 60

agtatggtgt gagtggctca ccaacaaaat ccaaagtcac aagctgccct ggctgtcgga 120

aaccccttcc tcgatgtgca ctttgcctca ttaatatggg aacacctgtt tctagctgtc 180

ctggtggatc caaatcagat gaaaaggtgg acttgagcaa ggacaaaaag ttagctcagt 240

ttaacaactg gtttacctgg tgtcacaact gtcggcatgg tgggcatgcc ggacatatgc 300

tgagttggtt cagggaccat gcagagt 327

<210> 6000
<211> 237

<212> DNA
<213> Mus musculus

<400> 6000
acatggaagt cctccgtctc ctcggcatgg ccatgtgatg gtggcagcgg gcacaaaact 60

cttcatccac ggaggattgg caggggacaa gttctttgat gatctccatt gcattgatat 120

aggtgacatg agctggcaga agcttggtcc caccggggct gttccagtcg gctgtgctgc 180

ccatgccgcc gttgctgtgg gacaccatgt atatatgttt ggaggtatga cagccac 237

<210> 6001
<211> 249
<212> DNA
<213> Mus musculus

<400> 6001
aaggctgccc ttgcaataga cgccatcgcc aagctcacgg ccatcgacaa ccacccaatg 60

aatagaatgc tgggcttcgg gaccaagtac ctaagagagt acttctcccc ctgggttcag 120

cagaatggcg gatgggaaaa aatacttggg atctcacatg aagaagtaga ctgaaatagc 180

caaagacctg tcgcctggaa ggtcccttgt gcaacagtgg ttctgtgtgc ccaccactct 240

taccataga 249

<210> 6002
<211> 567
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<400> 6002
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tgtacatatg tcagaaatat gtactgagtt aaaaaatttg agatcattag ttcgagtatg 120

tgaaattcaa gcaactttgc gagagcagag gatactattt ttgagacaac aaattaagga 180

actcgaaaag ctgaaaaatc agaattcctt catggtttga agatgtgaat aattgcacat 240

gatctcttag aggaactgta aatctattgc ccagtcataa cattttgagc tgcatttaag 300

tagactatgg accgttaagc tgggcaaatg aaatgacaag gggacggggt ctgtgagagt 360

caattcaggg gaaagataca agattgattt gtaaaaccct tgaaatgtag atttcttgta 420

gatgtatctt cacgttgtaa atatgttttg tagagtgaag ccatgggaag ccatgtgtaa 480

cagagcttag acatctgaaa ctaatcaatg ctgaggtggc taaataccta gccttttaca 540

tggaaacctg tctgcaaaat tagcttt 567

<210> 6003
<211> 153
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<400> 6003
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tgaactgtgt gccctgggca gtgcctgctg tggtgtgatc acatccagtc cccgctgccg 120

tctgtgtcct gcacggggct actttaatac tag 153

<210> 6004
<211> 562
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (122)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (498)..(498)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (530)..(530)
<223> n is a, c, g, or t

<400> 6004
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gctgcagtta ggcatggtgg agcagcagtt acacccttcc cttgagttga aagccagaga 120

cnnnnnngnn ntnnnnnnnn tgctgctgct gctgctgnct gctgctgcgt tgctgactct 180

cagcttccca tgctcaggtc tgggggacgt cttttcttat gtgtgtctta tttttaagtt 240

ttgttatctg ggtactggac atctgcctgt ctgagcccca ggcccatctg tctgtccaca 300

gcccactttt caccgtcact ctctgggcac ctcctgagat ggttccacaa ccgtgccctg 360

ttggttctca gaacaggggc caatgattgt tccccctgcc aggaaatgca ggttcaactg 420

ctaaaggagg cagagggtca gagcttggtg gtttatcttt tccttgtttc tccttgtttc 480

tgttttagaa atgaagtntg ggggtttaaa tggcacttaa actgcacccn tggagccggc 540

agaaccaggc aacgtttttc ca 562

<210> 6005
<211> 571
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<400> 6005
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ctagagacca ggtctagggt gcctggcagc actgctgctc tcctggagcc cacccccgat 120

gcatcaggtg tgatcgcaga cagccctgga cactgggaca cagaagtccc taccccagaa 180

ctcctaggca gtgtggaatc agtcttgcac aggctgcaga ctgccttcca agaagctctt 240

gacctttacc gcatgctggt ctccagcagc cagctgggtc ctgagcagca gcaggcacag 300

accgagctgg cctccacctt ccactggatc ctcaaccagc tagaagccag caactgtatg 360

gctgcagcta acttggcccc accccagaca ctgcctagcc cagaccctct gtccctacct 420

acactttntc ccctggccag cccaaacctg caggccctgc tggaacacta ctcagagttg 480

ctggtgcaag cagtgaggag gaaggcaagg ggtgactgag aacctgaagc ccctctacca 540

aagccccgct gccctggaga aatagatttg t 571

<210> 6006
<211> 348
<212> DNA
<213> Mus musculus

<400> 6006
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aacacccagc agactctcag ctgctctgct ctggctagcc aatacatgca ctgtgtcaac 120

catgccaaac agagcatgct ggagaaggga ggctaaagtt accctgagaa catgcaagct 180

ccttcaacgt taattccaga ggtggaacat ttttcttttc ctagtatgaa aatgacccat 240

ttaaagagaa gaccactaaa gacagacagg cactggaaaa tggactcaac tgaatcataa 300

cgtgttttga tcaacagttt aaaaagccat gttctagatc agcgatca 348

<210> 6007
<211> 444
<212> DNA
<213> Mus musculus

<400> 6007
gtgatgatct actgatgctc ttggatgtca tatgatcgga atatacagtg gagtaggtga 60

ctccctgaaa taccatgtaa atatgagagc aaatcgtgct gcagaagtga gagtgaccat 120

actgtcttct gtgcaagaat gtctacgccc acccccttgt ggagaaggtt gggccagcct 180

gcagtggaga aaaccacctt tacgataatg atgtgagaca gaccagagga ctgcggttac 240

tgtaggagcc tctcctttct atgtcattag cttaggctgc acgggctact tcattcatgg 300

tgggaaagtt aattgttatc attggggaaa tactgcaaat tttatctttt gtttccaggc 360

atttatactt tgcccagatc aataaagcag aaaaagagag gattgagtag catttccaaa 420

attgttaggt cctttgctat ctga 444

<210> 6008
<211> 469
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

<400> 6008
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ttcagttaac taactgggca ctgtaattcc aatagggctg taatgcatgg aaactcactc 120

ttcagattcc ttagagctgt aacctgagac agttgaaggg cccatagttc atttgggagg 180

tgtagatagt agtgaagctg aggaagcctg gaaaggaaag gtgtacagag ggtgtgctgt 240

caagctggct aacactgcag gatnctagaa ctgtatttcc tttgtgctac tctggaaaaa 300

ctagaacaca caattcagac atacctcatg tgaagaattg ggatacagaa ctagtttggg 360

gcagtggtag ctntcctgta cagtgaacag cagttcttgg caacttgtga tcaagangct 420

gtagctggac atgatggcac atgcttgcag ttccagcacc tgagaggta 469

<210> 6009
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<400> 6009
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agcccttcta cggcgggaaa gtccacaggg tcacagctga agtgaaacac aacccaacca 120

acaccatcgt ctgtanagca catggggagt ggaatggcac cttggagttc acctacagca 180

acggggagac caaagtcatc gacacaacca ccctgcctgt gtatcctaag aagcttagac 240

ccctggagaa gcaggggccc atggagtcca ggaacctctg gcaggaagtc acccactacc 300

tgaggcttgg ggacattgac gcanccacag agcagaaacg acgcctggag gagaggcaga 360

gggtggagga gaggaaacgg gagacccttc gcacaccgtg gcgacccaag tatttcatcc 420

cggagggcga tggctgggtg tacttcaacc ccctntggaa gacacactga tgggcggagg 480

tgcagtgctt cccgtaatag gcctggtt 508

<210> 6010
<211> 387
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<400> 6010
gctgctgctg gagatgattg agttccgggn cagctggctg gaagaccact cctgctgccc 60

acaagtatta ctacagtgag gtctctgact aagcccaggt nctgcacatg ccttcccgtg 120

accctctttt caagctggca ccagaatcct tgcttcagcc ccttctagac ttttttgact 180

gctgtggttc tgccgtcttc ccttccctca atctggactt ggggagaaac caaacagact 240

tgtctcctgg ctgaagactg actgtcttcc tctcccctca agtcctgtta tcttcccacc 300

accttcctcc tgggcctgac aggggagaac caactaacaa acactgaact gtgtagccac 360

tggtgcaaca tgaccttggt gcctcag 387

<210> 6011
<211> 299
<212> DNA
<213> Mus musculus

<400> 6011
gttttggcag tcctagccca cattctcagg ctgtatttgc taaaccttcc actgacgtgt 60

ttggaggtag cggcatatct acctctgtcc tagcctccgg tgccgctgat aacgcactgt 120

tcacacccag ggatcagctg atgaaggaag aactggagca gtttcaatcc cagagattta 180

ccctgggaaa aattccactg aagccgccac cggtcgagct tctgactgta taaaggtcag 240

gtttaaatac agaaagaatg ccttagccag gcatgtcctg catgcctaca gtctgggaa 299

<210> 6012
<211> 533
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (477)..(478)
<223> n is a, c, g, or t

<400> 6012
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tagtttcctt caaagagggg gacaatttac ctggctcctg ttttaacttg gctgaccaga 120

gtcgagttct tgtaaccatt aaaaacaact agggggccgg gtgtggtggt gctcacactc 180

aggaggctga gctctgagat caaggccagc ctggtctaca gagagagcct gtcttgaaga 240

aacaagacaa atggggggnt agaggtttcc ctgagacacc cctgccttag caaggggctc 300

cagttggatc ccgttgaagc acggtggccg cgaaggtagg gcagagaaat cntggtatgg 360

gagggagaga ccttgacctg gaaancgncc tccntctctc cagctctnca aagagctttg 420

ggaactggga gttgacgttc ccacactcag cctggtttta agggacttct ntccccnntg 480

gtggaccagg acggcttcta aaggacaatg aaaacctaga gctcaccttc atc 533

<210> 6013
<211> 271
<212> DNA
<213> Mus musculus

<400> 6013
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ctggacaagc agcctatcct ggagcggtgg acctcagatg aggaggataa atcctcagat 120

gatgatgatg agtttccaga gctcaatggc cccttctgcg cagagcgagg attcttcaag 180

gacttggagc aggaactgca tcagcatcag gaacgcaggc agcaggcagc actgacagag 240

cacttgtcaa ggatggagac acagcctgtc c 271

<210> 6014
<211> 306
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<400> 6014
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ctctatgatg ggggcttgaa ttattttgag ggctacagcc ttgaaaactg ggtgtgcctg 120

gcttattttg agagcaagtt caacccctca gctgtctatg aggacccaca agatggctcc 180

accggtttcg gcctctttca gattcgngac natgaatggt gcggccacgg caagaacctc 240

tgcagtgtgt nctgnactgc tttactgaat ccaaacttaa aggatacgat ccagtgtgcc 300

aagaaa 306

<210> 6015
<211> 230
<212> DNA
<213> Mus musculus

<400> 6015
aaagggcaac gccatctggc tcacacactg accacacact agatctcacc tatacaagta 60

ggcaatactt cagattttaa catatagaat ggatttaata ctgtctggaa ttgtatttga 120

tgaattgctt ttttgattta agggtcaaag aagccagcat ttttggtcac tagctggaag 180

gttttgttca tttatacttg aaatagcaca gactatctaa aaggcttgag 230

<210> 6016
<211> 273
<212> DNA
<213> Mus musculus

<400> 6016
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ggtgagaagt tgatttttaa ctcggatcaa cccacaggag tacctttgta ttggcaatat 120

tgaaacacat ttagaaaggt tcctggctga gattggctct agaacttgct gtcgtttgta 180

atttactgtt ttcttattga ttgtggtacc tctgactttt cttctctagt atgattcctt 240

cagcatacaa gttactctta cacacatacg gaa 273

<210> 6017
<211> 323
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<400> 6017
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aagantgtct aaatgtattt atccagaatc tcctgtggga aaagaacgtg aaaaacaagg 120

acggccactg catggaggtc attcggctaa agggactggt gtctatcaaa gacaaaccac 180

agcaaatgat tgtgcaaggc atccatgagc tgtacgacct ggaagaaagc ctagtgaact 240

ggaaggatga tgcggagaga gcgtgtcagc tggtcttcat tggtagaaat ttagataagg 300

atgttcttca acaactcttc ctc 323

<210> 6018
<211> 581
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<400> 6018
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gaggcaagaa gtgacccgag ctcacaaagg ctgggcgctg gacactgtga ccatccacaa 120

tgaagtcctg cggcagacca aggaagagat catcacgccc ccagcggaag gcgtgtatat 180

ttacgggctg tatatggatg gagcatcctg ggacaggcgg aacgggaagc tcacagaatc 240

caccccgaag gttctcttca cgcagcttcc tgttctgcat atttttgcca ttaactccac 300

ggcgcccaag gatccgaagc tgtacgtgtg tcctatctac aagaaaccca ggcggactga 360

cctcaccttc atcaccgtgg tgtacctgcg cacggtgctg tccccggatc actggatcct 420

gagaggggtg gccctcttgt gtgacatcaa gtaagttcat ctctatctgc cgtgggcacc 480

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<210> 6019
<211> 466
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<400> 6019
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ccagaaattt tacttcngtt tgtgaagaac tggttagtaa tgttgaagat ttgaatgaag 120

aggtctgcag actgaaggag ttgattcaga agatgcagaa tgagcgggaa aatgacccaa 180

ctcatatccc actagtagaa gaggtctcta catggaagac tcgaattctg aagaggtcag 240

cagttacagt gtgtggattc gggctgctgc ttttcatcgg caagctaact ttgcagagaa 300

aataatagta ctatttattt aagttctgta tgtccatntt cttctgagtg tcctagcatg 360

gnttctaatc atttntggta cagcatagct ttatttcctt gcctgtactc caaaggaaca 420

attatgatac tataaagtac agttttcctt tagaacatga cttcag 466

<210> 6020
<211> 117
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (34)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<400> 6020
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ttgtaccttt atgagatgtt ttacattttc ttactggctt gctttggtac tagaact 117

<210> 6021
<211> 400
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 6021
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taccgtataa cancgtgctc aggtctgata gggagcaccg atgataaggg gcagagccag 120

tctccatgga gtttctgggg acactgtagg ctggtaccag gtacctgttg acccctgcgt 180

ggctcacagt tggatccatg agttcagaag tcagaagata gctgctgatc acttgcagga 240

acatgacctg gccctggccc tcccccgtgc tgtttcctgg ggtnttatac ctatctttct 300

ctntgttgga tcctcaccca ncagcctcgg ggacaagctt cnctctgagt gggganggtgg 360

gaggacacac tgggtgtccc ttggtcatct gctgagacaa 400

<210> 6022
<211> 435
<212> DNA
<213> Mus musculus

<400> 6022
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tattgaagtc tacagggaaa atgaaggctt taattgaaaa tgttcccgac tcctaatgga 120

caatgaattc agaaagactc ctggttcacc agttggcttg cagagctgag tttgtctagg 180

agaaatcacc agtatttagt aaattccttg ctgtagtgtt cattggtctc cttccttctg 240

agcccaacta gaggagtaag aagcagtgaa agcagcagga ggtctggctt ctgagaggtc 300

agctctggag ctctccctaa cacacatgta ctatgtgcat gttctgttct taacactaaa 360

atctgtgcac acatttcacc atgaatggca tcagagagga cactgttatc ttcctcttca 420

ctgagagttc actag 435

<210> 6023
<211> 323
<212> DNA
<213> Mus musculus

<400> 6023
cctacctgaa gggagactgc gtggaatgca tggcatgttc ggacaatacc gtgcgtgctg 60

gcctgacacc caaattcatt gatgtgccaa ccctgtgtga aatgctcaac tacacaccta 120

gccccagcaa caacaggctg tttgccccag cacagagtca agatgacccc tatctctcta 180

tctatgatcc tcctgtgcca gacttcactg ttatgaagat ggaggtccct agctctgtca 240

ctgaatacaa agtctcaaca ctagactctg ccagcatcct tctgatggtc caagggacag 300

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aaaagcgaag gcagcggagt tccggtttgg aatcaaagct gcagaggagc aactttcagc 180

cagaggcatg gatgcgtctc tgtctcatcg gtcactagcg gcactttcag agaaactctc 240

ggagttaaaa gagcagacta tacccctgaa gaagaagttg gagtcctatt tagatttaat 300

gccgagtcca tctcttgctc aactgaaaat tgaagaggca aagagagaat tagacgccat 360

ngaggctgaa cttaccaaga aagtagacat gatgggcctg tngaggacag ccatgtagac 420

gtgntcaggg gaaggaggtg actgttntta gagatgatga tntctntatt agtaaaacaa 480

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<223> n is a, c, g, or t

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tatgacagcg gtcgttaagt tcacggacta cggcaactat gaagaggtgc tactgagcaa 180

tatcaagcct gttcagacag aggcatggga agaagaaggc acctatgatc acaccattga 240

gttncgcaga ggaggtgatg gacagccacg aaggtctact cggccaacgc agcagtttta 300

ccaacctcct cgagctcgga actaatgtga aagggctttt gtgaaggaag agccactgac 360

tgaaacatcc tggaagccca ctgatagatt ttccacttct tcagagagag a 411

<210> 6026
<211> 498
<212> DNA
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acctttgatg atgcctatgt gggctgctct gaggagatgg aggagaaagc aggcctgctg 120

ctaaaggaag agatggcacg ccatgccctg ctgcgggaat cctgggaagc agcacaagag 180

gcctgggcac accggcgtca caagctcact ctacctcctg gcttcaaagc ccagcacgga 240

gtagcgatta tggtgtacac caactcatcc aacaccttgt actgggagct gaaccaggcc 300

gcgttgtctg tcttccctga ggagcgtgag gtgctgatac ccccacacga agtcttcttg 360

gtcactgggt tctcccagga tggagcccag agcatagtga ctctctcgag ttatgatcag 420

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cttggtcact gggttctccc aggatggagc ccagagcata gtgactctct cgagttatga 180

tcagacctgc agccacttta actgcgccta tttgggtggg gagaagagac atggctgtgt 240

gtcctcaaga gcagtcgggc agccagaggc accctccaca gaggctctgg ctctgcantc 300

aggaaagaca ntgctcttgg acccaaggaa gctgcagctc tccagagctg gaccctgaaa 360

gcntnttagg antnttggga actaatgacc ttantatgaa gaaggggntt tgaacggctg 420

cnaggaagca ggagtgtggt tntggttcca ntcctaggag ccacctgtcc aaccagagtt 480

ggagatctga gnccatggca gggttgaggg aaccccacag tgtggtggga acttcctagg 540

acatgcaagg taaagactgg atggctactc aattaaaca 579

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atggaaatgc atcttcaaaa tgttcccaag aagataaaac tacaattact gaagacatag 180

ggaatctgtc cttgaaggaa tctgaaagct cgctaacnaa anacnatatc catgaacctc 240

accttntcca aaatccaaaa gtaaaggaaa atttntctga gnaaaaggag taaattcanc 300

ctcgagtgat ttgatttntt catagaacta ggcaacagca tgttttgagg gtttgtggac 360

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<212> DNA
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aagnnnnnnn nnnnnnnnnn nnnnntcacc ttaattttcc tcaccctcct gttgttccct 120

gttaacctct ggatctacga gctgaggaag aatatatcgg ttcccatcgg ctggagctat 180

ttcattggtt ggctggtgct catcctgtat ttcacttgtg ggattctttg ctacntcaac 240

cataaaaact actggantnt gataatgagc agcaccacca tcaacactgc ttgcagcagc 300

ttaggnccag antntctggt gantccctcc cagacccccn ancanccagg agaacagcca 360

ggantntcct aaggatgacc aaaagccntc aantccagat aaagtantnt caccacccca 420

gccagacacc actggctagg actttcct 448

<210> 6030
<211> 373
<212> DNA
<213> Mus musculus

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<222> (189)..(189)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aagttccagg gggtatagat agtgacggtt gaactatgtt tctcccaaga gaagacacac 120

tggagctaca gaaactgttc caggcacagt gaggcctgca ccactcagga gctctgtcaa 180

aggctgttnt cagagaggat accggacttc tttctttgat ttttcagttt ttaaaaacaa 240

gaactaacaa aaacaattgc tgctagactg gggggtgatt atgaaatggg acaatctttt 300

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cagcttcctc cag 373

<210> 6031
<211> 344
<212> DNA
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<222> (127)..(127)
<223> n is a, c, g, or t

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aagcgggaca gccaagcccc accaagcctc ccgctgaatc agtcatcgtc gccaaccaca 120

gcgacangca gcggcatcac cccgggtgag gcggcagcca ttgcctccac cgccatcatg 180

gttccctgtg gcctggtttt tatcgtcttt gctgttcact tctaccgctc cctggtcagc 240

cataagacgg accggcagtt ccaggagctc aatgagctgg ccgagtttgc ccgcttgcag 300

gaccagctgg accacagagg ggaccattct ctaacaccgg gcac 344

<210> 6032
<211> 492
<212> DNA
<213> Mus musculus

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<222> (304)..(304)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acaacactac ccaaaattgt gctagaggag gaaagcatcc cacaagcaca gaaaagaagg 180

caggcacacg agagagaact gctccaaatt aaagatcacc gggagcgcat gattcgaggg 240

agggaacttc tacagcaaag gctcaaagac agaatcttga gaaaaagccc gagtcagatc 300

ccanttcctg agaagcgtga tcaagtgaag aaacagaaaa aagagtttga gaaggtagtt 360

gcatacccac tagtccagcc atcctgtacc agtaggatta aagtagatgt tnttatggaa 420

aaatctcagg atgaagagga nttgagcaca attataaaac cttttggaag gagattctta 480

gctgtaccac cc 492

<210> 6033
<211> 398
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcttccatcc actcaaagcc tttaggaatt gggttnacag cccgtaaaac caagatctct 120

tctatgtaaa gctgaaggaa gcatggaagt agactcttta ctctcagtga ctcatgggac 180

actggccatt tgagatccag agggctctaa ggtgacatca gggacctttc acactggtgc 240

cagtctttaa atttaccacc gttatcaaga tattatctag ttagttcctg ctcacacaag 300

cctctgactg acccatnctg atgacacctg ttggtatcag ggtatcagca ctgcagatca 360

gctctggacc tagtgacatc acatatcgct gacaggaa 398

<210> 6034
<211> 554
<212> DNA
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<222> (496)..(496)
<223> n is a, c, g, or t

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gaagagatac agatgtttga acaagaaaat cagcgactca ttggtgaaat gaacagcttg 120

tttgacgaag tgaggcaaat cgaagggaaa gtcgttgaaa tttccagact ccaagagata 180

ttcaccgaaa aggttttgca acaggaaact gagatcgaca gcattcacca gttagtcgtg 240

ggggcaactg aaaatattaa ggaaggcaac gaagacatcc gagaggccat caaaaacaat 300

gcaggtttcc gagtgtggat cctcttcttc ctcgtgatgt gttccttttc cttgctcttc 360

ctcgactggt atgacagcta gcccaccagg gctgagcctg cgcctgcgcc tgtgccttgg 420

acgcaccacg tgccagcatg tgtctcatcg gctgtggagc tgtgtaaggt ccaagggctg 480

ggaaaacacc gccccnaagc caacctttgg aacctctcag gacctggaaa tacatggatt 540

gcaagtgccc ttca 554

<210> 6035
<211> 537
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tattcccagt ggactgcatt aaatccagaa tccaggttct ttctatgttt gggaagcctg 120

caggattaat cgaaaccttt ataagtgttg tgagaaatga agggatatca gccttgtatt 180

ctggattgaa agccactctg attcgagcca tcccttccaa tgctgctctc tttttggttt 240

atgagtacag cagaaagatg atgatgaaca tggtggaaga atactgaagt gtctattgat 300

gagtccttgt ctgagcacat gaatgagagg accacagctc tacatgtcaa agagttnaag 360

accaacatgg agttagcttt gactgggaat ttcgggtttn tcttcccttc ctcaaatctc 420

ataccttgtg gaganatctt tatntcatat ggtttnttcc tgcaatccta ctgaaatagg 480

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<210> 6036
<211> 485
<212> DNA
<213> Mus musculus

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<222> (137)..(138)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gttatttcat ggaaaannct ntagaggtct tcactgctgc ctaccaaaat atacaaaaca 180

ttgatgagga tgaagaccta gaggttttcc gaaattctct gtatctatca gattatccat 240

ctcgcttaga tattgtaaga gcaaattcaa agtcacctct tcagagatca ttgtcaacta 300

agtgcacatc tggaactgga cagatatcca cctgccgaac aaggaaggac caacaagtag 360

aagatgaaga tgatgaagaa ttagatgtta cagaagatga aaactaattt acacaaagaa 420

ttcacatttc tgtttttatn tcatctaact tgcaaatgta gaatcacttt aaactcactt 480

gacag 485

<210> 6037
<211> 133
<212> DNA
<213> Mus musculus

<400> 6037
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tggactacgc ggggatggag aacttctgga agagatacaa caaggtgaaa ctggaggtcc 120

tgagtctcca gca 133

<210> 6038
<211> 325
<212> DNA
<213> Mus musculus

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ctgctcctca cactgtgtgc cctggtcatc agggtgtcct gtacgaagga cttccgggag 120

ctgaggcagg ggagggagca cctggtgcta gggagcgaca aggcggagga ggacagcgag 180

gaagacttgg aagaggagga ctcctcggat tcgcagtttc ccgaggagtt gtccaggttt 240

tgtaggactt catatccagc ctatagctct atagaagccg ccgagctggc ggaaaggatt 300

gaacgcaggg agcaagtcat tcaag 325

<210> 6039
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<212> DNA
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tgaggagcca gggccagagg aggtgcctgg gcctgagact gctcctaccc tggcccctga 120

agtgctcccc tcccaggagg agggggagca ggaagtggga agccctgcag cagggccacc 180

tcaggagctt gttgaagagt cctctgctcc ccctgccctg ctggaagagg ggactgaggg 240

tggaggtgac aaagtgccac ccccaccgga gacacctgca gaagaaatgg agacagaagc 300

agaagttcca gctcctcagg aaaaggagca agatgataca gctgccatgc tggctgattt 360

catcgattgt ccccctgacg atgagaagcc accacctgct acagagcctg actcgtagcc 420

ccttctgcac cccgtcactt tgtatccaat aa 452

<210> 6040
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<212> DNA
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agggccccag gttcaggccc gcagctggaa gangttggag cacctgcaga gtgaccagat 120

ggacagggtt cataccttgg aggtttccag tacagaggcc catgatgccc agaaggaaga 180

gccctacctc ctcagctctg aagtcagtct cccagactgt ggccgtagct gggaactttt 240

aaagaaattg gatagggaac tccagaacaa ctcccttcct aacctggaac ccagcagctc 300

tcagttccat gcctggagtc tagggcaaga ggacctgttc cttgagggcc ccacgatctt 360

ccagagtgac ctgtaa 376

<210> 6041
<211> 459
<212> DNA
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<223> n is a, c, g, or t

<400> 6041
aaggagagat tgtgggcctt caccaggcct ttgtcccgga aatccagcga gattgccggc 60

ccttcatcct tctgagcttg ggatcagagt tgatacaagt aagaaaagag aagttttatg 120

acatggttga cgaggagaca agagcaaaga taataaagat ggatgtggac tatcccagcg 180

atgaagacct gtgccagagt ttcctgaagg aaaacgacta tattgtcttt cggaaggatt 240

tgctgcagtt actggtggag cccctcaata agtcaccatt catcccngtc cagnccanga 300

agaaagngat ntanaaccac aagtctttgt tcctggatct ntgcancctt ngaaaagaag 360

gtgaagcagc actatcccat ttttntggcg ccccagaaat acctgccccc cttgagggtt 420

ntccaanccn tntcagcacc ccggcacaaa atccaagaa 459

<210> 6042
<211> 250
<212> DNA
<213> Mus musculus

<400> 6042
tttcagcaag accattggca atcttattgc aaggaaaact gaacaggtga tcatgttcct 60

gaagaagaag gagaaattca tcagccagct cctgaagcac ataggcacct cagctctcat 120

ggacctgctg ctgcgcctgg tcagctgtgt ggagccagtt ggtctccggc aggaggtcct 180

acattggctg aatgaagaga aaatcatcca gaggcttgtg gcattgatcc atccccacca 240

ggatgaagat 250

<210> 6043
<211> 442
<212> DNA
<213> Mus musculus

<400> 6043
ttctccagag cctgaggttt atgagattgt gagagcagaa gaggatgagt ttgtcgtctt 60

ggcctgtgat gggatctggg atgtgatgag caatgaggag ctctgtgagt ttgttaagtc 120

taggcttgag gtgtcggacg acctggagaa tgtgtgcaat tgggtagtgg acacttgttt 180

acataaggga agtcgagata acatgagtgt tgtattagtt tgcttttcaa atgcccccaa 240

ggtctcagag gaagccgtga agagagattc agagttggat aagcacttgg aatcacgggt 300

tgaagaaatc atgcagaagt ctggggagga aggaatgcct gatcttgccc atgtgatgcg 360

cattttgtct gcagaaaata tcccgaattt acctcccggg ggaggtctcg ctggcaagcg 420

ccatgttatt gaagctgttt at 442

<210> 6044
<211> 439
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<400> 6044
gttcgccctg gcagccggga gacttcagcc accacacttt ctcctggggc aggcaaccgt 60

ggctgggacg acggtgacaa ccgcagcgag cacagctaca gtgaatcggg tgccagtggc 120

tcgtcctttg agganctgga cctggagggc gagggaccct tgggagaacc ccgactgaac 180

cctgaagcca agcttctggg gccccctcgg gagctcagca cccctgagag gggtgaggag 240

taatgataag ccctcaaccc tcctgtggtg catttgctaa ggaactgagc aaactctcta 300

gccctcttct tccttaacct gcctagcttg ggctgggagt accaggagcc tgagttgtcc 360

tgctccaagc ctaaacctcc ttcctcactg ccctttggc tcccagggcc gaaggagcca 420

gagactgtta tctgcacca 439

<210> 6045
<211> 521
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<400> 6045

gctgaacaca ctaaccggct gaaaaacgct ttcgttaaag ccctacagca ggaacaggaa 60

attgaacagc gattacagca gcaggcagca ctctccccaa cgacagctcc agctgtatcc 120

agtgtcagta aacaggagac catcatgaga catcatacac tgcggcaggc tccacagccc 180

cagagcagcc tccagcgtgg tatacccaca tctgcccgat ccatgctttc aaactttgca 240

caggcacccc aattgtctgt gccaggtggc ctccttggta tgccaggtgt caacattgca 300

tacttgaaca ctggcatcgg agnacataaa nccccaagtt tggcagaccg gcagcgtgaa 360

taccttttag acatgatccc tcccaggtct atatcgcagt ccatcagtgg gcagaaataa 420

cgcctgttcc acttgtactg cccatccttg aatcctttac ccatttctcc cattgccccc 480

aacttccgtc gcatgcagtg cctgtactgg tgcctaccat a 521

<210> 6046
<211> 382
<212> DNA
<213> Mus musculus

<400> 6046
gacagtcagt attatcgccg gcgacaccgc cacgagagga cacagacaca taagagagag 60

gaagacaaat ctcagactcc atattcggca tttgttcagc tgcttccagt tctggtgatt 120

gtgactattt ctgtcattac tcagctgctc gctgctaatc ccccatatag tctgttctat 180

aaatcgacct tgggctatac catttctaga gaaacgcaga acctgcaggt gccttacttc 240

gtggataaaa actttgacaa ggcctaccga ggcgcttccc ttcgtgacct ggagaagaca 300

atagagaaag actacattga ttacatccag acgagttgtt ggaaggagaa acagcaaaag 360

tcggagctga ccaatttggc gg 382

<210> 6047
<211> 545
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<400> 6047
gacaaagctt tcattcactc atcagctctc attaagcatc aaagaactca tactggagag 60

aagccctata aatgtcaagn ctgtgggaaa gccttcagcc nctgctcatc tcttacgaag 120

caccagaggg ttcacacggg ggaaaggcca tatgagtgca gtgagtgtgg gaagactttc 180

agtcagagca cgcaccttgt tcagcaccag agaatccaca ctggagaaaa gccctacgaa 240

tgtaacgaat gtgggaaaac attcagccgg agctcaaatt ttgcaaagca tcaaagaatt 300

cacatgggaa agaaacccta taaatgtgga gaatgtggca aagccttcgt tcattcgtca 360

gctcttattc aacaccanga gaactcacac tggggagaan cctttcaggt gtaccgagtg 420

tgggaaaagc ttcaagagca gcccctccct catccgacat caaagaactc acactgaaga 480

gcagccctga gaggtgctga gtgttaggtg aaggttggct ttattgctgc gtttcatatt 540

tgatt 545

<210> 6048
<211> 439
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<400> 6048
aagggtactg cttcaaccaa cccagtgttc accagtgacc aggccactgt agagaagcag 60

tccncagact cgggggccta ttctattggt cactagggcc tcttcccagg gtgccatgct 120

tatccttggg ctgcagaacc ttcaacaggc cactctatct cagcagacag aggtgggagg 180

gggagaagag gggctcttat ttntgatgtt caccccaaag accaggnatn tagaccctca 240

ctgttcagca gacaggcagt gcttcccnct aagacctgna tcttgccttt acccccttgca 300

tgcctcccat ntgcttccct gggtcccaag catccatcca tttccaaagg atagagaaaa 360

tggnagctaa ggttacatcc atagaaccta ccacatacca gggactccca tacacattat 420

ctctttgcac ccttaaaat 439

<210> 6049
<211> 366
<212> DNA
<213> Mus musculus

<400> 6049
gatggtatgc agctgcttgc agacatgaag aagtcccagg tgagccctaa catccacatc 60

tacagcaccc ttatcaacgc agccctcaag aagttggact acacctatct catcagcatc 120

ctgaaggaca tgaggcagaa cagcgtccca gtaaacgagg tggtcgtccg ccagctggag 180

tttgcagccg agtaccctcc cacctttgac cggtacaaag gaaaaaacac ctacttggag 240

aagattgatg gctttcgggc ttattacaag cagtggttga aagccatgcc agcagaggaa 300

gccccccacc cctggcagga gttccagaac aagcctgttg gggaccaaga caccactgac 360

aaggct 366

<210> 6050
<211> 436
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<400> 6050
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ntgcggtttt tcctgagaat tgatggggtg ctcatcagaa tgaatgacac gaggctttac 120

catganggct gacaagacct acatgttacg agaatataca tccagagaga gcaaaattgc 180

ntnaatntaa tgcatgttcc accttccctc ttcacggaac ctaatgaaat atcacaatat 240

ttaccaatta aggaagcagt ttgtgagaag ctcgtatttc cagaaagaat tgatcctaac 300

ccagtggact cacaaagtac gcccntcaga ataaaatgtg gtacagcaga ctctctccat 360

gtggaacctg actggaaacc ttggctattt gtaggggtat ttttattatg agaattaatt 420

tccttgctta tgcgca 436

<210> 6051

<211> 343
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<400> 6051
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agtttgagag ctactcaaga aactgaacgt taagccctta attgattgtg agagctggtg 120

tgataccagt gggatttaca ctgtcagtag ccggctccat taatcctgcc atcttcagga 180

gcccgagtgt ggggaaggga gccagataca tcagatnagg actctntggc cttattattg 240

cttccttggt tggtgagctt tggtgagaga gagcagatct gtttctatgt aaattatggg 300

agtcttaagc tcaggtttca ccacgggcct gttttatgta cta 343

<210> 6052
<211> 588
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<400> 6052
caatcgtcag atcctgcccc aagaagctgg agtggcgagg gatctaggag gtggtgattt 60

gttggnctcc tctccgccct aaggatggac aacgggggcg ctggtgaggt cccctggacc 120

atccagggtg ctaggggtg gggaggggac acactccctc cctgccttta cctcacttcc 180

aatgctgcct tgatctgtct gggaagaggg aggacagggg cccttagccc ctgtactccg 240

ccatctcaga gccatgcggt taattcctga cttagtttat ttttgcaaaa acgtagaccc 300

cccctccttc cccccgcccc gcatccgcga aggcttttaa taggagggga gtcaaagttc 360

aaaactgtct tcctctctcc tccccgattc tagctgtaaa tgccacttcc cgagggggag 420

ggggtgggaa ancctcccc ctgcatgntt ctggctggag cacctccctg ggacggaggg 480

aatcagggtt acaggcaacc cccgtggctg cttggagacg ctgccaaggc agggggtgcg 540

gggcggtgtg gcaggcgcac actgtatgta cctataataa acccttg 588

<210> 6053
<211> 458
<212> DNA
<213> Mus musculus

<400> 6053
aagatttgct gttgctgccg agccaagttt cccctgtttt cctggccacc cacctgtctc 60

ttctgcaaga gagctgtgtg cacttcctgt agcgtaaaga tgaagatgcc ttccaagaag 120

tatggacaca tccctgtcta cacacttggc tttgagagtc ttcagagggt gccaactacc 180

aaagccacgc caacactgag gagagatgcc ttccaatccc tgcagggacc aaagtggcgg 240

agcgtggagg aggagttccc ccacatctat gcccacggct gtgtcctaaa ggatgtctgc 300

agtgactgca ccagctttgt ggctgatgtc gtgtgctcca gccgcaagag cgtggatgtc 360

ctcaatgcca ctccacgacg aagccgtcag acccagtccc tctatatccc caacaccagg 420

actctcaact tccaatgact gttgtgatgg cctcccca 458

<210> 6054
<211> 276
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<400> 6054
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acaatcccct gctgcttacc aatgctctct tgctgccaca tcttcagaaa ggggctgctc 120

tagggtggct ggatttccag ccctgggaca ccagcacccc cttgtggcca tttctcactc 180

tgtttccaag tggcctcatt agactgcccc agtggtaggg caaatgtctc caatctgaac 240

aaggtggaga gataactgcc ccgaagtgct ctgaag 276

<210> 6055
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<400> 6055
gctagtgagc ctttggaatg gcagtgcctg acgaatcatc tccaagggga aaatggccta 60

gctctcactg cctttgatcc cagtaccggg aaggcagagg taggcaagtc tctatgagct 120

tgaggccanc cagagctnga cagcatgcaa aacacaaaag aaagccagag aacaggctgt 180

ttgagtcctc aatcttggca cagggattgg ctgggctctg atgttgctgt tgaaattgcc 240

aggatactac tgaggaatnt acagaataga atttccacat aaaagattgt gcatataaaa 300

tattnttatt atattaaata tagtatttca ttctaaatga ttggctttgg tataatatgt 360

aaacaaattt tagtcactta tagatacaca taaccacata gttttctttn tntcatttgt 420

cgtttgaggc tagaccagtt agagtataat atacattgca taccaaccct g 471

<210> 6056
<211> 61
<212> DNA
<213> Mus musculus

<400> 6056
tctccagtgt gggttcatca agcccctgcc taatgaaaat tgtgccaaag cctacataca 60

t 61

<210> 6057
<211> 258
<212> DNA
<213> Mus musculus

<400> 6057
ctcagcagat tattcctgtg aataaagctc ttccccaccc agactataat cctctggatc 60

acaccaatga catcatgcta ttaaagctgg agagtaaggc caaggggact agagatgtga 120

ggcccctcaa gttgcctggg cccaaagaca aggtgaatcc aggggatgtg tgcagtgtgg 180

ctggctgggg gaaaacgtcc atcaatacca ctgaaggatc tgctctctta gaagaggctg 240

aattgatcat ccaggaga 258

<210> 6058
<211> 316
<212> DNA
<213> Mus musculus

<400> 6058
cctttgttca ggaatgtttt ccaattgtac caaacagttc tgtttgaata ccactagcca 60

aaacctggtc agagccttcc ctaactgcac agatgggaaa tgcagctttc attccaggta 120

gtcctgtgcc caggaaaaag aggaaaaaca aaatacataa ttgaggtatg tggagctcat 180

agtctatact aaggatggtt aatagattgt tttgttttta tttctgaaga aagtggcttt 240

attttacttt ttatgaaata gttacaaatg ttgaaagtag ctcatgagct ctcttcccct 300

gatgtcaagt catgaa 316

<210> 6059
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (156)..(157)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<400> 6059
actgcccttc acctcaggga tgatagaact tctcagcttc ctgaggatga ataaggacag 60

atttgactgc atcatcattt cggattcaaa ttccatcttc atagactggg ttctagaagc 120

tgctgccttt cacgatgtct ttgatcacgt gtttanncaa ntccagcatc ctttgatagc 180

agtggtcgtc tcacagtgaa aaattaccat gctcattctt gcactaggtg cccaaagaat 240

ctttgcaaaa atacagtttt gggagaattt atagataaac agttacaaaa gggcgtgaga 300

tatacacgga ttgttnatat aggtgatggt ggaaatgatg tctgcccagt aacttttta 360

aagaaaaatg atgttgccat gccacgggaa 390

<210> 6060
<211> 529
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<400> 6060
tcatgccgtg gcttcaggca acaagctgta tgtggtggga ggctactttg ggacccagag 60

gtgtaagacc ctggantgct atgaccctac ttcagacaca tggaactgca tcaccactgt 120

gccctactct ctcattccca cggcctttgt tagcacctgg aagcatctgc ctgcatgaaa 180

ggcacctttg gagcccagcc aggtgagccc tcaggagggc tggaaccctc tgacttatct 240

ctgctcttgg caatgattat cacatctccc agngagggtc tgatgagcat cagggtaatg 300

ggatttaggg acagacggtc tgttcatatc ttaccagtta tgggtttgtc agtgggagag 360

gtagtgtctg tcttctgtgt gcngtggagg gatganggcc catgtaaacc agcagccatt 420

ctgacgaagt gaggtctaat gaagtgacgt ggctgttctg atcctcagac ggggcctacc 480

acaggacagg tgtctgtgag ccccgctgct gttgtcagtg ctgtgagta 529

<210> 6061
<211> 458
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<400> 6061
tgcggtgatc gagcgcttcc gagaaggcaa agagaaggtt ctggtgacca ccaacgtgtg 60

tgcccgtggt atcgatgttg aacaggtgtc tgtcgtcatc aattttgacc tccctgtgga 120

caaggacggg aacccagaca atgagaccta cctgcaccgc attgggcgca ctggccgctt 180

tggcaagagg ggtctggcgg tcaacatggt ggacagcaag cacagcatga atatcctcaa 240

caggatccag gagcatttta ataagaagna tagaaagact ggacacagat gatttggacg 300

agattgagaa antcgccaac tgaggcgctc gcttctccat gggctggcgc caccctcagc 360

gctccctgcc tgggantnta gtgctttcat ggcataggcc tgacgggccc ctcagagacc 420

acgggctgag tagagactac ctacctcatt cggaatta 458

<210> 6062
<211> 221
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<400> 6062
caggaaaggt gtactcgggc atctcccagt gcttgcgtga agagctgcgc tctgctgcct 60

gcaccccnca cgcagtgagt gcacaggact gcggagacct taacaacaga tggagaatgc 120

cacgtttctc gcactatatt cacacaaaaa aatggaagaa cgtatctctc agttttcaag 180

atntctggct aaagtttcgc agatgaactg tagagtacgt t 221

<210> 6063
<211> 345
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<400> 6063
acatccgagc tgatgtgtgg agcctgggca tctcactggt ggagctggca acaggacagt 60

tcccctataa gaactgcaag acggactttg aggtcctcac caaagtccta caggaagagc 120

ccccactcct gcctggtcac atgggcttct caggggactt ccagtcattt gtcaaagact 180

gccttactaa agatcacagg aagagaccaa agtataataa gctacttgaa cacagnttca 240

tcaagcacta tgagatactc gaggtggatg tcgcgtcctg gtttaaggat gtcatggcga 300

agaccgagtc cccaaggact agtggagtcc tgagtcagca ccatc 345

<210> 6064
<211> 461

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<400> 6064
tttcaggctt gcagggcctc tctggccagc aaggcatccc tgggaaaact ggcctacagg 60

gaccaaaggg catgagagga ctggagggac ctgctggcct gccaggacca cctggcccca 120

gggggttcca gggcttggca ggggccaggg gcaccaatgg ggagcgagga gccccaggag 180

ctgtgggtcc cacaggtcta ccagggtcca aaggtgaacg aggagagaag ggagagccac 240

agtcccttgc caccatcttc cagctggtga gccaggcctg cgagtcagcc atacggagtg 300

agcctgtgac tatcagccac acaagcaacc ctagactgca ggaggtgcag accccagaat 360

ccctggagtg agcaggatct tccctccgcc acttcaaatt nccctggcct tccccagcac 420

catcatccat aattttgtct cagcactaag aacaactgtg t 461

<210> 6065
<211> 398
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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gcctgtgact atcagccaca caagcaaccc tagactgcag gaggtgcaga ccccagaatc 180

cctggagtga gcaggatctt ccctccgcca cttcaaattn ccctggcctt ccccagcacc 240

atcatccata attttgtctc agcactaaga acaactgtgt gctggagggg cagagaagga 300

aacccagagg aagaccccga ggtggcagga gctggaaggg aggagggcgg tgctcctcct 360

tcaagcccct tctttgtagc acttctaggt tcagataa 398

<210> 6066
<211> 549
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cctccattcc ttttctgcat cccaagcctg ttgttggtcc tgggtcccag tacagccctc 120

tgccttccct gtctcccaga atggtgagac cctgagatga gttgaagggg gtcctgcgtg 180

catctgagtg aaccccacca ggacacacag tggacagtnc ggacctcaaa aggggtagct 240

caggcaggat gagtttcgtc tgtaattatt atttnntttt nnattttntt tctttttntn 300

anaattaaan cnntctatnc ttntacatga tggnctgtgt acacacnaga agcctggtga 360

gggctacact gtatcancct aattctnatc cattttcant caaggtcgag aaccaaggaa 420

ncaagagcag agagagncct gatncccacc cacttttttt tagactgttt tcttactggc 480

ttgtactacc ttgcactcct ctttattctt aaagtagggc tggagagatt gtccagctgt 540

ttaaggcaa 549

<210> 6067
<211> 544
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (115)..(116)
<223> n is a, c, g, or t

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<222> (118)..(120)
<223> n is a, c, g, or t

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<222> (122)..(124)
<223> n is a, c, g, or t

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<222> (167)..(168)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaccggctga agcaactggc taccccgaag gttcgcaata acatctnnnn cnntnncnnn 120

tnnnaggttt cccaagtctc cagagcagcc cagatggcag tcccganncc acggacgctt 180

cggctgnnng caaagcccag gcccccagcc actctgttgg aagagtggga ccctatgcca 240

aaacccaagc cttacgtgtc agactataac cgccttcttc agctggcaac acccaaggcc 300

ctgtcagaaa agtgcgttcc tgatcgcagt cctcagtggg aggtcctgga tgtcaccaag 360

aacgcggtgg ccagttcacg gatcatctcc ctggcccagc ccaaaattcg aaaggacctc 420

aacgagggct acaacccata ctacatctcc ccagcctctc tggtggctca ggcatctcct 480

cgaatttatg agcttgccac ccccaaatac atcaccaaga aagtgtgaca accaagcctt 540

ctct 544

<210> 6068
<211> 511
<212> DNA
<213> Mus musculus

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attttgcaat gagcaaaaat aatcgcttta caagtgctgg acaagcatct aagaatataa 120

tccagccacc gtcatgtgtg ctgcattatt acaatgttcc gctgtgtgtc acagaagaga 180

ccttcacaaa gttgtgtaac gaccacgaag ttcttccgtt catcaaatat aaagtgtttg 240

acgcgaaagc ttccgcgaaa actctgtctg ggctattgga gtggaagtgc aaaactgatg 300

ccgtggaagc tctcactgcg ctcaatcact accagatacg agtcccgaat ggatccaacc 360

cctatacgtt gaagctttgc ttttctacat catcccattt ataagaagag aagagcatgt 420

tagaatttat gttcatcttt attgcagttt taaagctata cttcatccat aataatctaa 480

aatggttggt ctaatgttgc cttgcttact a 511

<210> 6069
<211> 341
<212> DNA
<213> Mus musculus

<400> 6069
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caaattctga taacccaggg cagtagatct ccttccaggc ccagggcttg tgacttgaac 120

atgagaggtg tgaccaccct gcacccccttg cttcagtggc tgaactcggt ctccttccat 180

tggaggttgt tttctaggct caacactgaa cagctgatta gccatgtaat ttatctggtc 240

ttaaatgata atggattttt gaagcactaa aaggatttag ggtttatcgt taaaacaaaa 300

ttcctggact ttaatattct taataaatcc tcacttcccc a 341

<210> 6070

<211> 396
<212> DNA
<213> Mus musculus

<400> 6070
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cagagctgcc gacacatgga ggccgagctg aaggaattaa caagtgcgct gaccactcct 120

gagatgcaga aagagattca ggagttaaag aaggagtgtg ctcaatacac agagagactg 180

aagaacatca aagcagctac caaccatgtc actccagaag agaaggagaa ggtgtacaga 240

gacagacaga agtactgtaa agagtggagg aagcggaaga ggatgaccac agagctgtgt 300

gatgcgatcc ttgaaggcta ccccaagagc aagaagcagt tctttgagga agttggaata 360

gagacagatg aagatcataa tgttttgctc cccgac 396

<210> 6071
<211> 345
<212> DNA
<213> Mus musculus

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<222> (116)..(116)
<223> n is a, c, g, or t

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atgcagagaa aattgaagat gagctgaaag cagaaaggag gaagctacag cgaganctac 120

ggacggcaca ggacaagata gaggagatgg agatgaccaa cagccacctg gctaagcggc 180

tagagaagat gaaagccaac aggacagccc ttctagccca gcagtaggag gcggcccttc 240

tacctgggtg ctgctgagga ccttgccggg agatgctgac tcttttgtac attgacacaa 300

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<210> 6072
<211> 528
<212> DNA
<213> Mus musculus

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<222> (290)..(290)
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<223> n is a, c, g, or t

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<222> (394)..(394)
<223> n is a, c, g, or t

<220>
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<222> (396)..(396)
<223> n is a, c, g, or t

<400> 6072
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ctgtacggcc ctacattgca agtgcttacc gctccaagtc tccacggtgg ccatttttct 120

tgatcatccc tttctacgtt gtgatccttg tcctgattgg gatgctggta aaagtctatt 180

cccaaaggat gaaatggaga atggatgact tctcaagcga agagcaattt gaaagtgaaa 240

gtgaatccaa agactagtct ggacagattc cacaatgtca caagtaattn tcttcagtgg 300

acagaaaaaa aagtggaaaa gaaaagccta tgcattntct tgcctgaaag tcaagcctgc 360

atatcgtggt ntccatcagg ccagaaatca tatntntcca ttacacatgt atgatacata 420

tgtgtgtata ttattccata aatgatttac ttgtaagaaa tgaatgatta tgaatttcat 480

attatacttt gatattttac cctatttctg gtagtcggta gtcatcaa 528

<210> 6073
<211> 379
<212> DNA
<213> Mus musculus

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<222> (26)..(26)
<223> n is a, c, g, or t

<220>
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<222> (157)..(157)
<223> n is a, c, g, or t

<400> 6073
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atcttaagag tgaagaaggg ggccaagcct ggcctttgcc ccacatgggc tgcaggtaca 120

aacgtaaggc ctaaggttat taagtgacac tgaggangta gggaccaaca ggtggcctac 180

aatgcaacat atgtaccatc tagcactctg gagatacaca cttcactgta actgagattc 240

tgagggactc aatgccttaa gatatattcg tgtcaaggac caaagcaggg caggatagga 300

agactgatgt caaggttgga gcgcatacac caagaaagca gctaggtcaa atgtctgaaa 360

tgcttcaaag tggtctgga 379

<210> 6074
<211> 292
<212> DNA
<213> Mus musculus

<220>
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<222> (26)..(26)
<223> n is a, c, g, or t

<220>
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<222> (34)..(34)
<223> n is a, c, g, or t

<400> 6074
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agcaactgat cctgggaagc taggtaataa ttcaaaagtc ttatgttgcc atctcctgta 120

gttgcccttc agttctatga agtttgacta tacgtgtcaa acctcagtga ctaagcaaat 180

gtaatttgtg aaagtccaga tattttcaaa gttgccaaac agtgtttaaa actgttcaag 240

aaatttgtat ggaaaattag ttggtgaaag tttggagctc cagtacttcc ca 292

<210> 6075
<211> 453
<212> DNA
<213> Mus musculus

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<222> (205)..(205)
<223> n is a, c, g, or t

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ccggcagagc tttcccaggg gccctggcag ccttggccag ggagagagag tgagggcaag 120

agactgggga agggaaaaga aaggaggcag aaatccggat gggggcagcg agagtggggc 180

gaaatggtct ctaagcccgc taggnccttt ccctggtcca tcacctgcac aagggaggct 240

acaaaccttc cagcctgact tgaggctaag agcatcagga agatggggtg tggggtggtt 300

gggtcagggg cagccaagct gctagggggt ggggggagag actaatatag tgaatgtagt 360

tatagctaag acttaactgg ggaaaggatg cccggctcac tgggaacact ggggccagga 420

aggggacaag ccctaggccc ctgtctatac tag 453

<210> 6076
<211> 215
<212> DNA
<213> Mus musculus

<400> 6076
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gcagaccacc ccccagcagc acaggcacgg tgggggacct gggcatagtg aggagaaagt 120

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gaaggccacc aggaaccacc cagggtagca agaca 215

<210> 6077
<211> 550
<212> DNA
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<223> n is a, c, g, or t

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<222> (469)..(469)
<223> n is a, c, g, or t

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<222> (471)..(471)
<223> n is a, c, g, or t

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<222> (473)..(474)
<223> n is a, c, g, or t

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<222> (481)..(481)
<223> n is a, c, g, or t

<400> 6077
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tcttcacgaa tccccttgtg actctgataa aagacagaaa ctcttggcag acatcagagc 120

agatgaagaa attttgagag aaacacgcag gccgggtcgg tctcctaggc gcaagtcacc 180

gggaagaagc tcgaacccaa agcccaggcc tcatgaatgc agcccaccga tgcccaccgc 240

gtcttcccga gggcgggagc aagccatcag aaggagtgaa aaggccagga tgagagaata 300

ttggcaagaa ctggaggaac aagaggaaaa actgcagaag aggccgatgt tgtttgaaag 360

agtcacccag gttgtgttta ttggttaggg ccatcaccag ctntctgttt ctcagtactt 420

ctggcctcca cctttgtgct ccntcttacg gtgtcctaca gttgccaana nannatgttt 480

ntggggcggc ttcatccagt ccaccaagaa agtaatttca cttaagatgt gacaacgctt 540

gtagctcaat 550

<210> 6078
<211> 478
<212> DNA
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<223> n is a, c, g, or t

<400> 6078
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gccatcttcc gtgccatcct ggaggtcttg cagacgcagg gagcatgact gcttttctcc 120

tcctcagctc atttgttact ttgtcttgcc ttcagatggt cacctccctc cctccctcct 180

tccctccccc ttcccccacc ctccccctaa cacccaacct ctgcatggaa caggacatcc 240

ttcaccacac cttcagaact gttccatgaa gatcgtatct ggctaggtgg gtcacatgtc 300

cgggcagcac tgttcttccc ctcctcagga tgaggagtcc ctcagatctt atccacccca 360

gntctctaac tgggtatacc catttcgttt caagatttca ggcctcagcc tggcagtggt 420

ggcgcacgcc tttaatccca gcacttggga ggcaaaaaga ttctaggcct cttcctct 478

<210> 6079
<211> 390
<212> DNA
<213> Mus musculus

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<222> (89)..(89)
<223> n is a, c, g, or t

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<222> (96)..(96)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcccacaaac tccccctccc caccacctnt gccacntncg ccaccctngc ccaagattca 120

gcccctggag ccagacagnc cccacaggcc tncctgagaa cccaacccca gctacagaga 180

agctgtttgc accccaggag tcagataccc tcttttacca cgccccaccc ctttcagcaa 240

tcacatttaa aagacagttc atgtgcaagc tctgccatag gacattcaag acggccttca 300

gtctttggag tcatgagcag acacacaatt aaaggaccta ccccttttcac ctatcacaaa 360

gtagcaggcc cttggcttgt aaactgtgtc 390

<210> 6080
<211> 506
<212> DNA

<213> Mus musculus

<400> 6080
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aggatccagc tcctcttctg tgctgaggat ccacgtgtgt tcacacagcg cgtggtccag 120

gccaacgctc tgcgcaagta cacagaggcg ctgttgatgt acaacctgta tgtggattgc 180

atgcccaccg agggccggcg ggtcatcaat gagcagagct tgagcaagat aaagcagtgg 240

gctttgagca caccgcgcat gcgcaagggg cagagcgtcc tggagcatct tagctgcctg 300

gccagagaag tgaacctgga ctacgaacgt agcatgaaca agatcaactt tgaccaaatt 360

gtctcttcta acccagagac attctcctat gtgactcttc ctgaaaaaga ggaagagaag 420

gtacccaatc aaggtgagag ccactggacc ctggctgccc acctggccag ctcaccccac 480

ctccgcctct cttgattttg ttcagt 506

<210> 6081
<211> 469
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (345)..(345)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (422)..(422)
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<223> n is a, c, g, or t

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gccatcctga gaaaagctat cctgagaaaa gccatcctga gaaaagctat cctgagaaaa 120

gccatcctna gaaaagctat gatgaacagg ctgaagctga aaaagtaaaa gaagagtcaa 180

aagaaaaagc ctacccagtt tcccattcaa tctcgtccca tggctccatt gcagccgata 240

ctgctttcct tgaaaacctg gactgggaga cccttgtgca tgagaacctg cctgggctaa 300

tggacatgga tcaggatgac cgcannntnt nncccnnana ntnantnttc cnatatttng 360

agttactgga aaagcttnan nataacctag aagagcgcaa gaagttacna gaatttncan 420

tncagnccct gatgagtttt gaagacaagt gaaggtacag tgggtgaca 469

<210> 6082
<211> 298
<212> DNA
<213> Mus musculus

<400> 6082
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caccctgcac cttaggccac catgccagca aagtaagctg tacccgttgg agccatcaaa 120

acctagtctg aagcgaggga gttggacgtt ctcctaggta agggctggct ccatggcctc 180

ctcagggtat tctgtaccca gtggtccagt gagctccatc acggtaatga gatgcaggat 240

gcagaaagag cctcctctac ctggcttatt tccatttatc ctgcacatgc ccgagatg 298

<210> 6083
<211> 397
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
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<222> (212)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(217)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggaatccgga aggaagtgta aataggactc tgttgggaga tgtacaaacc gttccaatac 120

agatcataga cagccgtcca gtgcttgttg aagaaagtct gtctaagaac caagttaaac 180

aagaaaccaa tgagccaaca ctgtntacag anncannaac tttnntggac tntaaaaaaa 240

tatctgctac ataaatattt taagtttttc agaatttaca gntctggccc cttctgattt 300

nttagtaggt ggagattntn tgagatggtg tatcaatcac tggaccagaa atgtatgatg 360

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<210> 6084
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<213> Mus musculus

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tttgcattaa aaactggtgc tggtctcagt gtcagtgaca acgaatctgg tcaaggaagc 180

caggaaggag gcaccctgac tgactcccag attgtagaac tcagaaggat accaattgct 240

gacacccacc tctgagagtc ccatttacac tctccagtag aaagaggaca agtttcctca 300

ttnccttggc ttttgtacta aactntgtan gnatntacan cnnngtagta gagacctgta 360

catngtantg agtaananag aagtgattat tatgttatnc attgcttagt gtttgtgcaa 420

tttanaaaag actgntataa taaaagatcc gatcattcct gtaatgtaca aggatatnca 480

ttatccaaaa atattagttg ttttttgatc atccgaactt ggc 523

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<211> 327
<212> DNA
<213> Mus musculus

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attctgaaac tcctggccct gaagttattg tcaacaatca gtgctctaca actaacttgc 120

agaagcagct gcaggctgtc ctgcaatgga ttgcagcctc tcaattcaat gtgcccatgc 180

tctacttcat gggagacgat gatggacaac tagagaagct ccctgaagtt tcagctaagg 240

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aacgacaact ggatgaagcc gtgggca 327

<210> 6086
<211> 488
<212> DNA
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<223> n is a, c, g, or t

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agaagcagct gcaggctgtc ctgcaatgga ttgcagcctc tcaattcaat gtgcccatgc 180

tctacttcat gggagacgat gatggacaac tagagaagct ccctgaagtt tcagctaagg 240

ctgcagagaa ggggtacagt gtaggagatc ttcttcagga ggtcatgaag tttgccaaag 300

aacgacaact ggatgaagcc gtgggcaaca tggctagaaa gcagctgcta gactggcttc 360

tcgntaacct gtaagctgag aattcnnttg actcccctnc ntccntcctc ccccccagca 420

gcaattccac cccagntgga gccaccntca ccntcaggct ggtgaactgc acaattggga 480

tcacattt 488

<210> 6087
<211> 515
<212> DNA
<213> Mus musculus

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tcatggatca cttcatcaga acaatgtatt tgccttaaat cgtgaacaag ggattgttgg 120

agattatgac ttcaccaaat ctgagctttc tgttcaaaat caagagtttg agacaaatga 180

agatggaatt ccaaaagtag atcagtttca tttggatgat aatgtcaagt ccctcctttg 240

tagcttgata tattttagaa gttcaatgac tgctgagcag gttttgaatg ctgaatgttt 300

cttgcttcca aaggggaaat cagttccaat cccagaaaaa gagattgaat gtactcagca 360

tagcagagaa gatgaatcaa agatggagag tctggataga tatagtgaaa agacaagaaa 420

tggtgaagcc aacccttgac taacaaatta atcctttatt gttgctgtat atgtcccttt 480

taaaaacttt gttctgtttg cttagtagac aaaaa 515

<210> 6088
<211> 527
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ggttggtgga ttgagtttgc tctcacctga attgaaaact ggaaaacctc cttctgcaag 120

ttcagactta tatgcttatg gttgcctttt cttatggctt tctgttcaaa atcaagagtt 180

tgagacaaat gaagatggaa ttccaaaagt agatcagttt catttggatg ataatgtcaa 240

gtccctcctt tgtagcttga tatattttag aagttcaatg actgctgagc aggttttgaa 300

tgctgaatgt ttcttgcttc canaggggaa ntcagttcca atcccagaaa aagagattgn 360

atgtactcag catagcagag aagatgaatc aaagatggag agtctggata gatatagtga 420

aaagacaaga aatggtgaan ccaacccttg actaacaaat tantccttta ttgttgctgt 480

atatntccct tttananact ttgttctgtt tgcttagtag acaaaaa 527

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gtgggctgaa aggaactcct ggtctgtgcc ctgttatggc tgcatgctga gcggttaggg 120

tcccagacct cctcctttcc tcctcccact ccccgccccc gtggcccccc ctctctctgt 180

tttagtactc tgttttccat agtggtcact gctcagtgtc acgtgcagag tgtctgtcca 240

ccatcacacc tgccatcccc gtgagcaagc agtctgtcgt cagctgtaca tcactgccgc 300

tcccaacctc gaaaactgcc acctggagac tctgtgcagt gagggaggct ttttctcacc 360

aataaacctt ttgcttcagg gtatactctt gggtttttc caggtatatt atgtatgacc 420

tttgtacnat gtatagacag agttttattt atttttaaa aaggaaacct tttcttgata 480

aaggaatgat ggtagcctag ctagttcttg taaaa 515

<210> 6090
<211> 543
<212> DNA
<213> Mus musculus

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<222> (320)..(320)
<223> n is a, c, g, or t

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cactggtcgg gagtgcaatt ttcccttcta agcagggaaa gctgctgtgc taaatcattt 120

tgtaactttc cgaatgagag acttcggtaa agataaactc gttcagtatt tttcaaatgc 180

atttgcattg gctgtgggga aaagatggta ggaaaagaat aacagtcatg gtttcgtcaa 240

tgaaaagtaa gactgagaaa ttgttggtgt ggtgtgacaa tatacaaagg cttacttagt 300

tttatactaa acctttttn aaggtcttag catttaatat tcagcaaatc cacacatttt 360

ctaaactacc acaagctcct gaaagataga ggaacctcag tcctgaaatg gtgatttttt 420

ttttaaatca tgacagcatt ttaccatgta attgagtaac ttttggtaac accttctgct 480

tctttgtatg tttgtaataa tggacatttt aaaacatagg aatgtttgct ttgtacagac 540

ttt 543

<210> 6091
<211> 525
<212> DNA
<213> Mus musculus

<400> 6091
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cgtcccacct gaagcagtgc attgaactcg agcagcagtt tgacttcttg aaagacttgg 120

tggcatcagt gcctgacatg caggggggatg gggaggacaa ccacgtggat ggggacaagg 180

gtcctcgaag gggccggaaa ccgggcagca gcggcaggaa gaacggaggc acgggaagca 240

aaggcaaaga caagaagctg tccgggacag actctgagca ggaggatgag tctgaggata 300

cagatactga tggggaagaa gagacaccac agcttccacc ccaagccagt caccctcctg 360

cccactttca gagccctcca actcccttca taccttcac atctcccctg cctttgccac 420

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gccctgtgcc cctgtacccc agccatgctc tcttctagtt agtat 525

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tccgggtgat ccctactgtg actcctgcaa agcccaaaca agaaatacca gtactaggct 120

caatttctgt aaagcgaatt cctgttcggg tgtccattcc atcactcata aaatataatc 180

caaagaagat ctctgatgag aagaaccgtg cctcccagaa gcagaaggtt attgaagaga 240

gagaaaaact gaaaactgaa caggaagccc ggcaaaagaa aatgttttat ctcacgactg 300

agttggagcg gctccataaa cagcnagggg agatnttgcg taagaagcga agggagaagg 360

atgntcacaa agatccactt ctgatggagg tgantcgact tcaggatagt attatgaagg 420

acattcccna gctacataaa gagacagaag aagcagaaaa gaancantct gaactggaca 480

aagtggctca gatcttggga att 503

<210> 6093
<211> 413
<212> DNA
<213> Mus musculus

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ttctattatt tccaataatt ccaatttcat atagaactga taaagtagca agtcctaagt 120

ataacactag gcagaccacc cccaactttc ggtctagttt ccagccatta aaatgaactg 180

ctaagaacag aaataaaatt gaaatgttga gagagatngt tatatatgtg agtcccttgc 240

tattcacttc tataggagca gatgcattcg taaatgcagt cttaataaac cagggaagac 300

ctaggcatag catatcaaac acattggatc ccacgatgtt agatatagcc atgtctcctt 360

tacctgcaga agaatagcat gttgttaaaa tgtgcacatc aatactatat ttt 413

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<212> DNA
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ttctagcagt gcaaggtgtc cgcaaanatg gtaaagattt tcaagctatt gcagatgtaa 120

ttggcaacaa gactgttggc caagtgaaga acttctttgt aaactacagg cgtcggttta 180

acttagagga ggtattgcag gagtgggaag cagaacaagg aacccaggct tctaatgctg 240

atncttctgc tttaggggag gagacncaaa gtgcttntaa ggtgccgtca gggaagagca 300

ctgacgaaga agcggaggtg tgtttgtgtc tggaatntga gctaatntga gctgaggagc 360

cgccccgccc ttctggtggt gtgctgtgag ggtgtgtgag gactagctaa atgagcataa 420

ggctgacaat acacttcctc gtgaggcgtc tctgactgct tagtcataag gacatgccag 480

cttctggtcc tagcagagcg aaa 503

<210> 6095
<211> 176
<212> DNA
<213> Mus musculus

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acaatccata tgcaactgaa gaagaaaatt caaatgaact cagtataaat actgaagtgt 120

attccttacc gtcaaagaag ctagtggtgc ttcagttaag gtccatcttt attaag 176

<210> 6096
<211> 550
<212> DNA
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<223> n is a, c, g, or t

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cattatactc acttcagtaa tatcacctgc tggactatgg actatcattt tgggatcacc 180

atagatgata ttggagctgt gagcgatggc acagcttatg ctccagacca tatatgtgtt 240

gacagaaagt gtgtcagcaa gtctgttctg gtaagtaact gttcaccaca gttataccat 300

atgcaaggaa tctgcaataa taaacaacan tnccnttgtg gtgtnacatg gaaaccacca 360

gactntcaaa aacgtggcca tggaggtagt atagacagtg gaccacctcc attnccttta 420

tntcattcca aatggattgt gtacntcctt attgttttag atgtgtgtat tgttatcata 480

atttatttat tttnttttta taagttaagc aaataattcc taaaagaaat tgtgccagat 540

tcagaattgg 550

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<212> DNA
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<223> n is a, c, g, or t

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<222> (102)..(103)
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gaggagaact gctcccgcat gggtgnncan nnagngnngn tnnannnnnn nnnnnnnnag 120

gatttcatca ctgggatctt ggacactcat gctgcttatt ttatagggtt gtgggataca 180

ggccatcggc aatggcaatg ggttgatca 209

<210> 6098
<211> 292
<212> DNA
<213> Mus musculus

<400> 6098
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tcaggcgtca ggtggcctat accttcaagg atacagtgtg agtgaacaga cccatggctt 120

tgagcaacca gtgattgaac tcaagccttc atcagaagag ttcaagactt tctatttctg 180

tgcagaaaat aaaacagaga atcagcgctg gattgcagct ttgaaaacat ctatcaaaaa 240

atggcttccc ctggaccaag ccattcagga gttcatgagt cgacctctag ag 292

<210> 6099
<211> 365
<212> DNA
<213> Mus musculus

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cggatgaaga tctggatgat tcttcagagc ctcgggccaa aagggagaaa acggagctga 120

gccaggcgtt cccagtaggc tgcatgcagc ctgttctgga gagtgctgtg cagcccagcc 180

tcctgaaccc cctacacagc gagcacatcg tcacaagtac acagaccatc aggcagtgca 240

gcgccacagg caacacctac actgcagtct aacagcagga aagcagagtt ttccagctta 300

ctctaacccc attgatactg ggcttaagct gaaattttaa caagcctgaa ggttgactgt 360

tgtca 365

<210> 6100
<211> 571
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (364)..(364)
<223> n is a, c, g, or t

<220>
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<222> (376)..(376)
<223> n is a, c, g, or t

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<222> (402)..(402)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (527)..(527)
<223> n is a, c, g, or t

<400> 6100
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tcatctggtt tctgntgctg gccgtggacg gntggcaagc tggntngtct tncacggtgc 120

tgtgnganca gtacnagccg tncctgcggn nggnacccnn tgtacaacga gtacctcgac 180

aggatcggac aactcttctt cggtgtgccg ccaaagcaga catcctccta tggaggcttg 240

ctagggaacc tgctgagcag cctcatgggc tcctcagagc aggaagaggg ggaagagagc 300

caggatgaca gcanccccat cgagntggac tnaancnncc tgnccagctt nganatgtcc 360

atgnccggca ccgctnggac ggattcagtg ccaggctggg cncaaggccc cttaccagtg 420

ggctgctgct ctgtggntga ggggccatct atgcagantc tgtccctatt tatgtatggt 480

ggttgagggc tgtgtggcca ggaccaagag caaggcccag cttctgntgg ccaatcgtgt 540

tccttcagat cacccacaat aaagcgcagc c 571

<210> 6101
<211> 285
<212> DNA
<213> Mus musculus

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<222> (94)..(94)
<223> n is a, c, g, or t

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<222> (118)..(118)
<223> n is a, c, g, or t

<220>
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<222> (239)..(239)
<223> n is a, c, g, or t

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gctagatggt cacacccctg ctcccagcag cacnaggaac tgcttggtgg ctcagccnag 120

gcgcctaagt gacctttgtg agctaccggc cgccctttg tgagtgttat cactcattcc 180

tttggtcagc tgatccgccg tgcctgtgga cccctggatc cttgtacttt gtacacgtnc 240

cacacaccct ggagcatagc agagctgtgc tactggagat caata 285

<210> 6102
<211> 280
<212> DNA
<213> Mus musculus

<400> 6102
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tgtcctcggc acactcgtca tcgccatgtc cttgcagatg gatcgcaggg gcatctggaa 120

cttgatggga ccttgcgtct ttgcttttgt gatcatggcc tccatgtgga tataccgctg 180

tgggcaccgg ggacagtgct acccaacctc ctggcagcgc tgggtcttct acctcctgcc 240

tggcatctcc atggcttccg ttggcatcgc catgtatact 280

<210> 6103
<211> 348
<212> DNA
<213> Mus musculus

<400> 6103
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tgcttgcaag tgtgtgagta tgtatgccat ggatgtatgc ctggactctg tgtgtctgtg 120

tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgta gggcaggctg ttctaacctg 180

aagatgctga ggaaggagcc tgttggtgca acctgggttg gtgatccatt gggtggatca 240

ggacggaact ctgtgtcccc aggtctcagg agtgccatcc ccgggctcag ctccagttcc 300

ctgggctcat gctactagtg ctttgggccc agtgaccatg caccttca 348

<210> 6104
<211> 549
<212> DNA
<213> Mus musculus

<400> 6104
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tctgccaggg agacaagtac acaccttgac tctcaagttg gcagcccagc ctgaagtaga 120

gctctgacat taggagctct gcttgcaagt gtgtgagtat gtatgccatg gatgtatgcc 180

tggactctgt gtgtctgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtag 240

ggcaggctgt tctaacctga agatgctgag gaaggagcct gttggtgcaa cctgggttgg 300

tgatccattg ggtggatcag gacggaactc tgtgtcccca ggtctcagga gtgccatccc 360

cgggctcagc tccagttccc tgggctcatg ctactagtgc tttgggccca gtgaccatgc 420

accttcaccc caggcaggcc ctgtataccc ctcctctata ctccagcatt taatcttgtg 480

gctgctttct ttttatttcc cactttctct gttttataac agaaccttca gtataggttc 540

tggtaatca 549

<210> 6105
<211> 411
<212> DNA

<213> Mus musculus

<220>
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<222> (118)..(121)
<223> n is a, c, g, or t

<220>
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<222> (147)..(148)
<223> n is a, c, g, or t

<220>
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<222> (178)..(178)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
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<222> (279)..(279)
<223> n is a, c, g, or t

<220>
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<222> (281)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(289)
<223> n is a, c, g, or t

<220>
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<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
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<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

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aaaagcattg tcttgagatt attatggcat agtaggtttt ttttttttt ttttttnnn 120

ngctgctgac attgtaatta gcatatnntc aacagcaatt aggaaacaat gccttatnta 180

tgtgctttgg ggggttgaag ggacaaagta gtagctgtca tctantccat ttgtgtattg 240

atcacaaaca tcacagaaga catcttaaaa ccttncntnt nactctannt tntnctaant 300

gctatttgnc aagnttttaa gacagtantt ttanaaactt agaantnctg actttatgtg 360

ctgtgtaaat ctcacatgga cactttacca aagagcactc tgcatgagtt a 411

<210> 6106
<211> 71
<212> DNA
<213> Mus musculus

<400> 6106
taatgctgga gtgcgaactg ccgacataca gttaaggttc tctcttttaa ggcttgaaaa 60

tgccagaaga a 71

<210> 6107
<211> 186
<212> DNA
<213> Mus musculus

<400> 6107
aaatgacgat gctctgttgt aggatctggc tgccttttag agagtctgat gctatgacac 60

gggcacagtt cgtggaaatg tggccaagga actcgatctg tgcatcctca gaacggggcg 120

tgcgcatctt agagactttc ttttctagaa ccgaagtagc ttggcttcct cttgaaactg 180

gattca 186

<210> 6108
<211> 506
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

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gggccgcaca cntgcagtgc ntccaccatg gaaagttgta gacatactct gctagtttgt 120

aattagccag ctccacccgt atttaaaatc agtgttaccg aaggctttgt tctcgttgtc 180

atttgttcca agctgcagct gacagttcat tattcacagc ttagaggact catttcttag 240

gctagtataa gcacatttgg catttacttt cggcttactg cagtctatta attcttactc 300

tgtggttggc tttaatcctt tgataactgt acatttaaag tggcaaagct ctaaagcgtt 360

ctgagtacta aatacatttt taacttgact gtagctgcct ataaactttc aggtaaagga 420

aaaagggaag tgcgggtagt ggagattttg cttggttacg aattctaaag caatcatttt 480

tgtgtggagc atatttcctt actctt 506

<210> 6109
<211> 109
<212> DNA
<213> Mus musculus

<400> 6109
aggtacagtt caggggcact acaaaatctg tgtacattgt cttatatacc tcctgaccac 60

acctatatct gtagtatttc ttgtgttagt tttgaacata tgtatcttt 109

<210> 6110
<211> 264
<212> DNA
<213> Mus musculus

<400> 6110
aattcacttc tgtaagacct tatgtaataa aaacactgca ttttaaaaag taacagaaat 60

atactaaaaa ttacaatgta taatgaacag tgtttagaca ttgagaaagg aaacttaatc 120

tctgtgtcca caacaggagg gttttgtgcc ttggttccag tcaagttgtg gttttagact 180

tctgtggcag acttcctagt catcttctgg gttccttatg ctaattttca acttcacatg 240

tatatatgtg tttacatgct caca 264

<210> 6111
<211> 239
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<400> 6111
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tggctcaaac acnaactgtt tgcttgggaa gcctacgaca aggggtctga agtgcatctc 120

caggcagatc cgacaaaact agagctgctg tataagtcct tcaaagtcaa aaaagaagac 180

ttcaaagagc agcagaagga aagcatcctg gaaaagtacg gtggccaaga acacctgga 239

<210> 6112
<211> 531
<212> DNA

<213> Mus musculus

<400> 6112
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aggcagccct gtaaccagca tttctgcccg gtcctgggtc agccgtgaag cacgggaccc 120

ctctctgctc atcaatgcct gcctcaacaa gctgctactc tacagagtgg tggacaacga 180

aggggcgcta cagctgaaga gaagcttccc cattgaacag agttcccacc ctgtacgcag 240

tatcttctgc cccctcatgt ccttccgcca gggggcctgt gtggtgacag gcagtgaaga 300

tatgtgcgtt cacttctttg acgtggagcg ggcagccaag gctgctgtta acaagctgca 360

gggccacagc gcgcccgtgc ttgacgtcag cttcaactgt gacgagagtc tgctggcctc 420

cagtgatgcc agtggcatgg tcatcgtctg gagacgagag caaaagtagg gttctgtcac 480

cctgtgctgc ccactgatcc ctcctccttc actccagtct tgcgttataa a 531

<210> 6113
<211> 529
<212> DNA
<213> Mus musculus

<400> 6113
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accttatgta tgtgattggt gtgggaaggc attcaggaac agctcaggcc tcacagtaca 120

taaaaggatc cacacaggag agaaacccta tgggtgtgat gaatgtgaaa aggcatacat 180

ttcacactca agtcttatta atcataaaag tgtccaccgt ggaaagcagc cctataattg 240

tgagtgtggg aaatctttca attacagatc tgtccttgac caacataaaa gaatccacac 300

tggaaaaaag ccatatcgat gtaatgattg tgggaaggca tttaatatca ggtcaaacct 360

taccaagcac aaaagaatcc atacaggaga ggaatcttta aatatggcaa atatggaaag 420

tcatagtggc acattccaga agatgatcta ctatgaggga gggaattctc tggatgggac 480

cagaatgcag atgcctgtgt gggaggcaga gcatgccaag tctcaaaga 529

<210> 6114
<211> 563
<212> DNA
<213> Mus musculus

<400> 6114
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cctggtcgac atgatttact tctggaagaa tgggaagctg tactgtggca gacattactg 120

tgacagtgag aagccccgct gtgctggctg tgacgagctg atattcagca atgaatatac 180

ccaagcagaa aaccagaatt ggcacctgaa gcacttctgc tgctttgact gcgaccacat 240

cctagcaggg aaaatctacg tgatggtcac tgacaagcct gtgtgcaagc cctgctatgt 300

gaagaaccat gctgtggtgt gtcaaggatg ccacaatgcc atcgacccgg aagtgcagcg 360

agtaacgtac aacaacttca gctggcacgc atccacagag tgtttcctgt gctcttgctg 420

cagcaagtgt cttatcgggc agaagttcat gcccgtagaa gggatggttt tctgttccgt 480

ggagtgtaag aggatgatgt cctaagagga gtgtaccaag ccgtatggag ccatagctgt 540

ccacagtggc ctgcatttca tga 563

<210> 6115
<211> 380
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<400> 6115
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agacctatgg tggctgtgaa ggccctgatg ctatgtatgt gaaattaata tcttctgatg 120

gccatgaatt tattgtaaaa agagaacatg cactaacatc aggaacaata aaggctatgt 180

tgagtggtcc aggtcagttt gctgagaatg aaaccaacga ggtcaatttt agagagatcc 240

cctcacatgt gctatcaaaa gtgtgcatgt attttaccta caaggtccgc tatactaaca 300

gctccactga aattcctgaa ttcccaattg cacctgaaat tgcactggaa ctgctgatgg 360

ctgcaaactt cctagattgt 380

<210> 6116
<211> 213
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<400> 6116
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accccagctc attcacaaag gacagagaga gggagaaact acccattcac ccagcaaagc 120

tgtgccctgc cgaccaagga aggccacang gacccaggac tgttgtgggg gtggtccatc 180

cacagagtgc tgtgataata aacggcctgg tga 213

<210> 6117
<211> 370
<212> DNA
<213> Mus musculus

<400> 6117
ggatcaaccg acagctggag gcattggaga atgacaactt ccaggatgac ccccatgccg 60

gcctccccca gctgggcaag aggctacctc agtttgatga tgatgcagac acaggaaaga 120

aaaagaagaa aactcgaggt gaccacttta aacttcgctt ccggaaaaac ttccaggctt 180

tgctggagga gcagaacctg agtgcatctg agggccccaa ctacttgaca gcctgtgccg 240

gccccccatc tcggccccag cgtcccttct gtgctgtgtg tggcttccca tccccgtata 300

cctgtgtgag ctgtggtgcc cggtactgca ccgtgcgctg cctgggtacc catcaggaga 360

ccaggtgtct 370

<210> 6118
<211> 162
<212> DNA
<213> Mus musculus

<400> 6118
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acttgggtct cttgcttttc agtgaggcta tgctttcctt cgaagcttgt ttgcttccct 120

cctttttct tcccattttg gcttctgcag tacttcattt ga 162

<210> 6119
<211> 480
<212> DNA
<213> Mus musculus

<400> 6119
tgggagcgtc tcacagtagc cgatgcattg gagcctgtcc agtttgaaga tggacagaag 60

atcgtggtgc aaggagagcc gggggatgag ttcttcatca ttttagaggg cacagctgct 120

gtgctgcagc gtcggtcaga aaacgaagaa tttgttgaag tgggacgact ggggccttct 180

gattattttg gtgaaattgc cctgctgatg aatcgtcctc gggctgccac tgtggttgcc 240

cggggccctt tgaagtgcgt taagttggac cggcctcggt ttgaacgcgt ccttggcccg 300

tgctcagaca tcctcaagcg gaacatccag cagtacaaca gcttcgtgtc cctgtccgtc 360

tgacccgcgc ctcctgtgcc tcctccccag tccatgcttc actcacgcag actgctttct 420

ctccctagcc gcagcgccca gtggccactg cttcacagct tcttgtctct ttatactaaa 480

<210> 6120
<211> 398
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<400> 6120
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atccatcagg cgaggaagcg agaagctggt ctcccgcctc cgaggagagg gcatggcagg 120

ggctgccggg atgaagagag ccatgtcact caatatgctg aacgtggatg gtcccagggc 180

tgcccggacg cagctctccc agctctcaac ccggcacctg agtgaggccc ctcggaccct 240

gagcatcagc acacaagatc tgagcccgcg ctaagtggac tggctgcaga ggccacagct 300

tctcaaggat caggaagggt gggtggtcac cctgcacccn tgcctgggca gctcttgtag 360

atcgctccct gcaattaaag gcggtgcact ggtactgg 398

<210> 6121
<211> 572
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(374)
<223> n is a, c, g, or t

<400> 6121
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tctcctgagc agactgtggc aggttgctta gaagccagga atagaggggc aggtcatctt 120

cagtgttctt gggagtagtt tccctgcagt ggtggagtta ttcaaaagaa caaagagttg 180

gaagggagag tgatccaggc aggcctgaca cagaagggtc agtgtcagaa ggttcataag 240

ccattgtgta agacaatcag tgctggccat ggctcctcac cttcagtcca agggcacaca 300

agcagctcaa tatccactcc aggggagaag cagggttcta agagacagag cttggggttg 360

gagcttgntc tgnnccagcc tctgtggaca caaagcaaaa aagcattggt tttgcctgta 420

aaactaagga atttaaggga gcgtcacatt tgtaacaaca cctgtatgaa aaaaacacct 480

tcacatcaaa gctaagacac caaagggctc aagttcaccc tgcaggtgaa caccaccatc 540

tccaaggtgt tcttaaacca gccctttttgt tg 572

<210> 6122
<211> 170
<212> DNA
<213> Mus musculus

<400> 6122
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tcaggggctt tattcaggac cagtactgtg agaagagtgc cgcgctgaca tggctcattc 120

ctaccctcgc cagtcccaga gaccagtttg atcctgcatc atatataata 170

<210> 6123
<211> 449
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

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gtcgccctta cgtcttcatc tataacagtg acaaagaccc agtagagcgt ggcatcatta 120

acctgtctac agcacaggtg gagtacagcg aggaccagca ggccatggtg aagacaccta 180

atacttttgc tgtatgcaca aagcaccgtg gggtccttnc tgcaagctct cantggnnaa 240

gacatgaatg actggttata tgcctttaac cnacttctgg ctggcacaat aaggtcaaaa 300

ctctctcgca gatgcccgag ccagccaaag tactgagcgt tctcctgagc cttgctcacc 360

ttcgacagat aaagaaagtg ttacctctca ttctctttgt gattcttgac agttattctt 420

gtatgtaatc ctgtggctta acgactttt 449

<210> 6124
<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

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atcaaaatga gcancaacnt cagtttgaga gccctctgaa aggtctcagg ttagatcctt 120

gcacagtcat agancttgcc aagaaaagtn taaaaattaa tggtnnnnnn nnnnnatcct 180

aaagttgcga tttttcatca ttcactttgg gaacagaagc aggaacaagg tgctgccttc 240

cttacatgaa agtctgccac gcttagctgc tcttgttcaa tactagttat cagaaaatag 300

attcctgggg ttgtgtgctt cctanagact cctccaagtc cttaactcga aagcattcaa 360

tatgtggcca gtttgggaca gcgcgagtgg ttttgaaaaa aaaaaatcta tgagagctgg 420

gaatggctac tgaattctga caggcttatt tgaagattac caacgttgtg aaaacaaata 480

ccccttccta aatgtcatct 500

<210> 6125
<211> 348
<212> DNA
<213> Mus musculus

<220>
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<222> (147)..(147)
<223> n is a, c, g, or t

<220>
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<222> (163)..(163)
<223> n is a, c, g, or t

<220>
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<222> (169)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<220>
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<222> (206)..(206)
<223> n is a, c, g, or t

<220>
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<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<400> 6125
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ggcattctac gggctggtcc aggagggcct gatcagcagt ggccaacagt atccagtgca 120

acaccagaac ctgaggcagg agaggtntcc cctccggtgg gcnccggtnt caacancaac 180

agctggacct ttaaatacgg accagncaac cccaaacant ccgntcccgg tgagttncca 240

gacaaattca ttatcccagg atntcctgca atcatctccn tccggcagga ncctgctaac 300

aaccaaattg acaaaagcga ttttataacc ttcggcaaaa aggaggag 348

<210> 6126
<211> 408
<212> DNA
<213> Mus musculus

<400> 6126
atggatccac ctgcccggaa agaaaaatcc aaagttaaag aaccagcctt cagagtggag 60

aaggctaagc agaaatctgc ccagcaggag ctgaagcaaa gacagagagc agagatctat 120

gctctcaaca gagtcatgac ggagctggag cagcagcagt ttgatgagtt ctgtaagcag 180

atgcagccgc ctggggagtg agccagcctg catccccggc agaggaactg gtgcctgcct 240

ttgtctgtga gctcattccc actgttaccc tgagctggcc caatggagcc ttacagaact 300

aatcaggact tgtggagacc tctgcactga acttcctata agtaacttcc accacactgg 360

tttctactct cagaactgcc ccagtgcttg ctgggtagac ttttcatc 408

<210> 6127
<211> 236
<212> DNA

<213> Mus musculus

<400> 6127
tggtgaagct tacccaatta tcaaaggggt tgcctataag gtggcatcct tatttgatag 60

taaccagatc tgtgataagg cttttgcata tttaactcga aaccagcaca cattgagcca 120

gccactgacg gatgagcatc tccaagcact gtttcgagtt gccacaactg aaatggatcc 180

tcgttgggat gatcttgtga gagaaagaaa tgattcgtaa gccgttgtgg tccaag 236

<210> 6128
<211> 460
<212> DNA
<213> Mus musculus

<220>
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<222> (202)..(202)
<223> n is a, c, g, or t

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ttttttgtt taaaaaaatc atatttagtt ttaacttgtt agaaaagtat attttgaag 120

acttcattaa tttatgacta tacagtgcac aatgagctat gataaatatt actattttca 180

taataactta aattttcaaa angcataaag gtaagcttat atcaatttac tatttaaaat 240

tgattatttt atatttattt ttgtgttaag atagtcaaat cctaacgatg atttctataa 300

atacctagaa acatgtttag aagttgacag gttttgccaa acagctagca aaattaaatg 360

caaactattc agtcttagaa aatcacaata atctcaacaa ttagttccat tttatacatc 420

aagtattatg tctttgagtc tctcaaattt ctgtttatct 460

<210> 6129
<211> 565
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (501)..(501)
<223> n is a, c, g, or t

<400> 6129
ggcagtgtat tgttacgatc ccgttgaaga ctactggatg catgtacaaa acacattcag 60

ccggcaggaa aactgtggta tgtctgtttg taatggtaaa atctatatcc tgggtggaag 120

acgggaaaat ggagaagcca cagatactat tctctgttac gatcctgcga caagtatcat 180

cacaggagtg gctgcaatgc ccaggccagt gtcctaccac ggctgtgtaa ctattcatag 240

atacaatgag aagtgcttta agctctaact aaacccagga tacctcacac aagaagccaa 300

cgtcaatcca agaggaaagt ttttaaaacg accacgtgag aactcaantc ctttgcataa 360

agaaataaat aatcctgatg cctttctgac ccaaaattcc aatatttcaa gcagtcataa 420

atcctttcct gtactggggg tgggaggttg gttgagtgag accagtgctc acctttaccc 480

cagcactcag aaggcttcta nacttctata cgtttgaacc cagcctggtc tacataacaa 540

gttctaggcc agcaaaggtt acaca 565

<210> 6130
<211> 502
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

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acaggcatgg tccttatgga agtgaacctt ctcagtggct ttagntgcat cttcagattc 120

aattcctctg agtgagaccc tgaagaaagt ggaatatgat aacgggaaac tcaaccttta 180

tttagattct gtaaatgaat cccagttttg tgttaatatt cccactgtga gagactacaa 240

agtttcaaat attcgagatg gttcagtatc tgtaatggac tactatgaac caaggagaca 300

ggcagtgcga agctacaaca cccaggtgaa gctgtcctca tgttacctca gtccagacac 360

caactgcaag tcacacacgg acggagccac ggactccctt cgacgttctt cgagccttct 420

cgtcttttgc tccgtccttc tgtactttgt gcaacattga ttatgattta ttttcaagg 480

actccgtcta aaactagcat tt 502

<210> 6131
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<400> 6131
aagccctact actgtaagat tcgaggctgt gataaatcgt acacccaccc aagctctctg 60

aggaagcaca tgaagattca ctgcaagtcc cccccacctt cgcctggagc tcttggctac 120

tcgtcggtgg ggactcccgt gggtgaccct ttgtcccctg tgctggaccc aaccaggagt 180

cgatccagca ctctgtcccc tcaggtgacc aacctcaatg agtggtatgt ttgccaggcc 240

agtggggccc ccanccatct ccacacacct tccagcaatg gaaccanctc tgagtctgaa 300

gatgaggaaa tgtatgggaa ccctgaagtc atgcggacga tacattagaa ttattattaa 360

taagtgaggt agtaagtggc agtccttgga ccatgtccta acctgaaaca atgctgagcc 420

tgagacaaac tggtgactca gacttgccac cgggtctaat tagccctatt tattcagtat 480

gaaaccctat ggtgtttgta cattt 505

<210> 6132
<211> 538
<212> DNA
<213> Mus musculus

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<222> (55)..(55)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (503)..(504)
<223> n is a, c, g, or t

<400> 6132
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agttgtctgg atctattttg tggatggcac cagaagtaat cagaatgcaa gataaaaacc 120

cgtatagctt tcagtcagan gtgtatgcgt ttgggattgt tctgtacgaa ctgatgaccg 180

gccagctacc ttattcaaac atcaacaaca gggatcagat aatttttatg gtgggacgag 240

gatacctatc tccagatctc agtaaggtac ggagtaactg tccaaaagcc atgaagagat 300

taatggcaga gtgcctcaaa aagaaaagag acgagagacc actctttccc caaattctcg 360

cctccattga gctgctggcc cgctcattgc caaaaattca ccgcagtgca tcagaacctt 420

ccttgaatcg ggctggtttc caaacagaag attttagtct gtatgcttgt gcttctccga 480

aaacacccat ccaagcaggg ggnnatatgg agaatttgca gccttcaagt agccagtc 538

<210> 6133
<211> 416
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 6133
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agtgttccag gacctacagg tgcagaatac tgtgttggtg agcccctcgc tgagtggcag 120

ctatgccctg cccttcttga tgcaaaacca ccaccagcta cgtggattcg tgcccatcgc 180

acccacctac accaggaatt atgcacagga acaattcagg gctgtgaaga ccccaactct 240

tatcctgtat ggggaactgg accacacctt ggctcgagag tcacttcagc agctccgcca 300

cctgcccaac cactccatgg tgaagctgcg tgatgcaggt cacgccngct acctccataa 360

gccagaagcc ttccacctcg cccttcttgc cttccttgac catttgcctt gagtgg 416

<210> 6134
<211> 520
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (218)..(218)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (417)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (478)..(480)
<223> n is a, c, g, or t

<400> 6134
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acagaagaaa ttgatgaagc actgaagata gcaggctgta attttgaaca attaagtaat 120

gctataaaaa tgcttgatag cacacaagat caaacaagac aagagacaca cantctaaca 180

gaggctgtgg agaaacagtt tgatacactt cttgcttntc ttgattccag gaaaaagagc 240

ttgtgtgaag aacttataag gcgtacagat gattatttat caaaattagt aacagttaaa 300

agctacattg aagagaaaaa aagtgatttg gatgcagcta tgaagatagc aaaagaactc 360

agatctgctc cttctctgag gacctactgt gacctgactc agattatccg gactttnnag 420

ttaacatttg aaagtgaatt gtcacaagtt agttccataa ttccaaggaa cacccctnnn 480

ttggatataa attgcagtga ggccatctgc atgttcagca   520

<210> 6135
<211> 427
<212> DNA
<213> Mus musculus

<400> 6135
aaccatgtag tccaaccaaa ttctcagtct gtgaaatttc actaatacag atattcatgg 60

tagattttgg aaattctgaa gtcctgatca tcacaggagt tggtgacaca catgagggac 120

cagagcatga tggtgaacag catattacac taagtgactt ctgtctgctt ctaatgaagt 180

ctgaaccata cagtgaggaa ctgttgaaag acatcccaca tttagcacac ctgtgctcct 240

tgaaagacat cgtcccatac aattcagtaa gtgagagaga aagtgattct ccctcaaagg 300

ctgtggagtt ttagttgtgt tgccagtgaa gttgctgagt tggtctgaaa gaaccagtta 360

gccttgacaa acacattctg attatgaact attagtgcca ataaaagttg ccataagcct 420

cagcttc   427

<210> 6136
<211> 383

<212> DNA
<213> Mus musculus

<400> 6136
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aattattcca tgggccctac ttgaatttct ctgaggcagc tacacattgc cctgcatggt 120

gagttgtttt tggaaattaa tgaagtaact ggactcacac ccaagtaaca atccgggagg 180

tcctggggtg ctacagggtg tgtttgtgtc agatccacac ataactcgat agagcaattt 240

attcttgatg tatgcaattg cacattgtaa ttatattaac agagcacact aataaataat 300

ttgtataaat tataaatatt agatcttggg cacagttctt acattctttt gtgggacatt 360

tccttcccca tgtagaattg tac 383

<210> 6137
<211> 301
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(107)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

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<222> (188)..(188)
<223> n is a, c, g, or t

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<222> (200)..(200)
<223> n is a, c, g, or t

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<222> (220)..(220)
<223> n is a, c, g, or t

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<222> (225)..(225)
<223> n is a, c, g, or t

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<222> (232)..(232)
<223> n is a, c, g, or t

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<222> (235)..(236)
<223> n is a, c, g, or t

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<222> (252)..(252)
<223> n is a, c, g, or t

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<222> (266)..(268)
<223> n is a, c, g, or t

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<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(273)
<223> n is a, c, g, or t

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tcctctgaaa tagggattct gtggtaggta ncaccgatgc tgtnnnnaaa tcaaacgcac 120

atggtaaaag gtgtctcctc cctttacaac cctgacgctg tccccacgct ntgctgtgcc 180

agccgccngt ggtggttggn ttaggtctct cagagatggn ctccntcgct tnccnngttc 240

tagctgcctg cncgggaaag aggccnnntn anngcgctgg ggccgtccac agtgtttctt 300

t   301

<210> 6138
<211> 550
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (147)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

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<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

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<222> (251)..(251)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

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<222> (323)..(323)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

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<222> (338)..(338)
<223> n is a, c, g, or t

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<222> (446)..(446)
<223> n is a, c, g, or t

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<222> (469)..(469)
<223> n is a, c, g, or t

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tgtcccaggc tactgtgagg catcttcaca gggccatgga ggaggcagag ctctttccta 120

ttgacgatgt ctttgtgggg atgtgcnnga ggaagctggg ggtgactccc ananaccatg 180

ctggcttcaa gacatttgga atccaacagc ccctcaatcc cagggaccct tgtntgtaca 240

aagggctcnt nctggtgcac cntntcancc cccnggagat gtggaccatn tgggcgctgg 300

tgacagatga gaggcttaag tgngcagnta cccacaancc ctagccccga ggggtgggtg 360

gagcaacagc tttagagtga ctcaactcct atcaccagga gaaacaattc tgaaaactgg 420

tccctggtgg tcagcaggaa atgatnttta tttttatgct aacaacctna tttaattaaa 480

agtgctgaaa cctggcaaac ttctctagca tgtgctgaat gggagtgtca gctgccaggg 540

agccttagga 550

<210> 6139
<211> 391
<212> DNA
<213> Mus musculus

<400> 6139
gaatgtgtgg tgtgctccga caagaaagca gctgttctct ttcaaccttg tgggcacatg 60

tgtgcttgtg agaactgtgc cagcctgatg aaaaagtgtg tgcagtgtcg ggcagtggtt 120

gagcggaggg tgcctttcat cacgtgctgt ggtggcaaga gctcagaaga cccctctgat 180

gaaatctcaa gtgggaatat cccagtgctg cagaaggaca aagacaacac caatgttaac 240

gcagatgtgc agaaactgca gcagcagctt caggacatta aggagcagac catgtgccct 300

gtgtgcttgg atcgcctgaa gaacatgatt ttcctctgtg gccatggaac atgccagctc 360

tgtggagacc ggatgagtga atgcccaatt t 391

<210> 6140
<211> 167
<212> DNA
<213> Mus musculus

<400> 6140
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taaggtgatc tctgctcact gctaatcaat ccaagcttgg gggatgctct cagggattca 120

ggatacccac agaacataaa ttctctttat tgtttgtacc agtaggt 167

<210> 6141
<211> 432
<212> DNA
<213> Mus musculus

<400> 6141
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gtgaagttcc tgcggttggt ggtaactgtg acatctatga tctttttcat cgtgggacaa 120

gcccctgaac catatatcgt catcactggg tttgaagtca ccgttatttt ctgtttccta 180

gtcttataca cgtgtggact tgacaagata atgagatctt tcttttggcc tttgcttgta 240

agtgatgaac ttcaacctta aaccttaact acctttcctg ccttaggaag acaccttagt 300

caactacttg gatctcctaa atatttaagg tgatctctgc tcactgctaa tcaatccaag 360

cttgggggat gctctcaggg attcaggata cccacagaac ataaattctc tttattgttt 420

gtaccagtag gt 432

<210> 6142
<211> 425
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<400> 6142
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cagtgacgct cagaaattca tctacgagtc cgatgtgctn tggagacatc agagcaacat 120

ccacctggtg aacgannga tcaccaatga catctcgtcc accaagatcn gganggcgct 180

caggaggggc cagagcatcc gctacttggt accggacctg gtccaagagt acattgagaa 240

gcatgagctg tacaacangg agagcgaagg caggaatgct ggggtcaccc tggctcctct 300

gcagaggaac gccgcagagg ccaagcacaa ccattccact ctgtgacaca gggcacggcg 360

tccgcagagg ctcgtctgga gactcgaaac tcagggaagg acttgccatc atcctgtttc 420

atcaa 425

<210> 6143
<211> 390
<212> DNA
<213> Mus musculus

<400> 6143
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ccagcaacca cccacttggc cgggcaggca ccctgcgggc gctatcccgc caagacacct 120

ttgatgctga cacccccggc agccgaaatt ctgcctacac ggagccggga gactcgtgtg 180

tggacatgga gacagacccc tcagagggcc cagggcctgg agaccctgca gggggaggca 240

caccaccagc ccggcagggc tcctgggaag acgaggaaga ctatgaggag gagatgaccg 300

acaacaggaa ccggggccgg aataaggccc gctactgtgc ggagggtggt gggccggttc 360

tggggcgcaa taagaatgag ctggagggct 390

<210> 6144
<211> 251
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<400> 6144
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tggagagtgt tctctttcac tcagaactct tagtacccag gaaatggagt actcgttgga 120

aataatagca ccttcaaaaa tntctgtntt gccaagcaga acttgaactg gggacttgtt 180

ttcaagcagt aaatagcang attcagctgc aaattcttna ggcacaatac cttccaagtt 240

catcaacacc t 251

<210> 6145
<211> 443
<212> DNA
<213> Mus musculus

<400> 6145
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ttaagagaag acaaaccatt ataacagttc atgagtgtta gctttttggc gtgttctgaa 120

tgccaaatgc ctctctttgc tgcatttgtt atgtcagtta cctttcttct tatggtggat 180

ataaaatcca ctgtcgtgtt gcagcagatg atggcacctg tggcttggga aggcgagcgt 240

gctcagcttc aggggcacat gaagtgaacc tggctgtatg tgcatgctcc tggagtgagc 300

tacctaacag gaggggggtag cacactggct actgtgtgca ggcatcatcc tttctctgta 360

gtaaaaggtg ggacctcaag aattttcttc aaagtgctca tctcaaaaat ctgatttttt 420

tcccagtaga tggtatgctc caa 443

<210> 6146
<211> 331
<212> DNA
<213> Mus musculus

<400> 6146
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ggagcaccca agttgagagt ggctggcgtt gttgccccgg cccttccccg ggaagacctg 120

gagagaatcg tcgcccacgc cctcttgcag cagtatctca aagaagacta cagcttcacg 180

gcttacgcca ccatctccta tctgaaggtg ggacccagag cttgtcttct cagcaacgaa 240

gcccatgctg tcactatgca agtgaagaag tcagcacaga gcagcgttag gggtgcaccg 300

tctgaagctc gtcaggtgga acaagtggat t 331

<210> 6147
<211> 482
<212> DNA
<213> Mus musculus

<400> 6147
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cacacctcag gaagttttcc tgcatgttct ttggagctgt atcttgtgaa cagcaagagt 120

atgccggcca ccccttggac agcctggcag tagcaagcga cagtgaggag gacgtgagtg 180

gctgagcacc catgctaacg ctcagtgata gccgcgctgg gcacttggct gcctgaaggc 240

caagtggaaa tggagcagac tgtcccagga tgccccagac tatcagtgtc actaaaatcc 300

gtgtgctact cgggggacag agctggcagc ataggaatga gccatcaggg cttagatgcc 360

actgtttact ctgctgcagc cttgacacgt cctgtgctgg tccctaaagc agactttcct 420

cagcatgggg cgaggtgggg cttctgtgcc cgactgcaga cagcaggcat tccagtgtat 480

gt 482

<210> 6148
<211> 246
<212> DNA
<213> Mus musculus

<400> 6148
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tcagggctca gtgctggcaa gagcgatgtc tactacttca gtccaagtgg taagaagttc 120

agaagtaaac ctcagctggc aagatacctg ggaaatgctg ttgaccttag cagttttgac 180

ttcaggaccg gcaagatgat gcctagtaaa ttacagaaga acaagcagag actccggaat 240

gacccc 246

<210> 6149
<211> 562
<212> DNA
<213> Mus musculus

<220>
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<222> (334)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

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<222> (443)..(443)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (474)..(475)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (490)..(491)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (516)..(516)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (534)..(534)
<223> n is a, c, g, or t

<400> 6149

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tctgttgacg tggaacaaaa cacatcaatt actcactgct taagagggtt cagtaacaca 120

gaaactctgt gcagtgaata taagtactac tgtgaagagt gccggagcaa gcaggaagca 180

cacaagcgga tgaaggttaa gaaactgccc ctgatcctgg ctctgcacct gaagaggttt 240

aagtatatgg accagcttca ccggtacacg aagctttctt atcgcgtggt ctttccttta 300

gagctccgtc tgttcaacac gtcaggagat gcgnncaacc ctgacagaat gtatgacctg 360

gtcgccgttg tggttcactg tggaagtggt cccaancgag gccattatat tgcaatagtt 420

aagagtcatn gatttctggc tgnttgtttg atgatgacat tgtagaaaaa atcnntgccc 480

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ctacatcctt ttctatcagt ct 562

<210> 6150
<211> 559
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (495)..(495)
<223> n is a, c, g, or t

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agcgactaca ctgcctgtcc cctgtcnctt gtgttgngag agctccagag cccctccaag 120

gcttgccacc tctggtggcc ccccagctac cagtcttggg ncatggtgct ggctctgctg 180

gccagggcct ttgggaggcc cctcggcttg aggaaggccc acctgcccca ggctagatac 240

cccagtgccc aaaaccatgc atgcacagat ccctggaggc tggagagcca gagatgcctg 300

gctgtcagga cagaaggccg gtaccccaag gtcctgctct caggctggaa gagaagcctg 360

ccccagaagg ccagggcaga gcagctgcat gggtcaggtg acagcccacc gctcagcctc 420

agctgctccc agtggaagag atgtgtcctt actcattttg gagcaggtac agtgggcaag 480

aggtcagacc acagncacca atcatctgcc ccttccctgt ctccaagcca tccatagccc 540

catgtctaac ctcatagtt 559

<210> 6151
<211> 358
<212> DNA
<213> Mus musculus

<400> 6151
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ttcttcagtc actataacag aagctagtca gcagcagtct tctgtcacag tgtcagtgcc 120

cctgcctcca aaccaggaag aggttcgaag cattaagagt gaaactgaca gcacaattga 180

ggtggacagt gttgtggggg agctccagga cctccagtcg gaggggaata gctcaccagc 240

aggctttgat gcgagcgtga gttccagcag tagcactcag ccagaaccag ataacccaga 300

aaaagcctgt acaggtcaga aaagagtgaa agatactcag ggagtaggaa gttcatca 358

<210> 6152
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<400> 6152
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actcttcaga caaggaccag tctttgggga actggaggat caagagacag gttctggagg 120

gtgaggacat tgcctacaag ttcacaccca agtatgtnct gcgggccggc cagactgtca 180

cggtgtgggc agctggcgca ggggctaccc acagtccccc atcaaccctt gtgtggaaaa 240

gccagaccaa ctggggccct ggggagagct tccgcactgc cctggtcagt gccgacggtg 300

aggaggtggc cgtgaaggct gcaaagcact catctgtcca ggggagggag aacggggaag 360

aggaggaaga ggaagaggca gaattcggtg aagaggacct ct 402

<210> 6153
<211> 524
<212> DNA
<213> Mus musculus

<400> 6153
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actgggctac atacatcgct gatgagagga acctgctgtt gttagtgaaa attgactctg 120

ggcaatttta cctagtcaac tttaatacag agttcaagac tctgaatatc ctctacaaaa 180

taccagagtt tataccagaa ggtaggacca aagggcaagg gtgatttcca gggtggacag 240

tgatcagaaa gagaccaggt gagcactctt ctcctctccc ctgcctcctc atctcctctg 300

ttgtggtcag ctaaggaact agacttcttg gtgctccttg atacagtgac atacaccaac 360

actcctatga cacccaaggg cttgttcttc aacacattga acaacatgtt gtacatctgg 420

ggcaacttca tcctgcaaag gtaggtgtaa gccatctccc cagggaccca ggcatacaga 480

tgcgcctgga aacacacaca cacaccagtg cctgtagttc agtt 524

<210> 6154
<211> 371
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<400> 6154
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ttaagaaagg agacatcctg agaatccggg ataagcctga agagcagtgg tggaatgcag 120

aggacagcga aggaaagagg gggatgattc ctgtccctta cgtggagaag tatagacctg 180

cctccgcctc agtatcggct ctgattggag gtaaccagga gggttcccac ccacagccac 240

tgggtgggcc ggagcctggg ccctatgccc aacccagcgt caacactccg ctccctaacc 300

tccagaatgg gcccatttat nccagggtta tccagaagcg agtccctaat gcctacgaca 360

agacagcctt g 371

<210> 6155
<211> 388
<212> DNA
<213> Mus musculus

<400> 6155
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acagggctgg gtatggtcgc tagcagcgca ggaccaccgt gtgtgctccg gctcttggga 120

cagcactgtg aagctgtggg acatggcggc tgatgggcag cagtttggag agatcaagtg 180

tgaggggcc cgggcagggg gcctgggtgg gtagagccct gcccagccat caccccagcc 240

ttgtgtgccg tgtgtcccca ggggcaaggc ggcagtgctg tgcctttcct accaacctga 300

tatcctggtg actggtacct atgacaagaa ggtgaccatc tatgatccca gaggtgagcc 360

tttaatccca gtgcgtagaa ggcaaagg 388

<210> 6156
<211> 323
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<400> 6156
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ctatgatctt tttcatcgtg ggacaagccc ctgaaccata tatcgtcatc actgggtttg 120

aagtcaccgt tattttctgt ttcctagtct tatacacgtg tggacttgac aagataatga 180

gatctttctt ttggcctttg cttgtgtttg gtttcctgac agtaacatgt actattgccg 240

actgtgccct tatgtgccag aaacttcggt ttcgtccacg tcaaccttat cagaaaaagt 300

ctactaatga catcgatgac aga 323

<210> 6157
<211> 415
<212> DNA
<213> Mus musculus

<400> 6157
aggcacacac tgctgatggc atctccatcc gatttcctcg atgcacccga atccgggacg 60

acaaggactg gaaatctgcc actaacctcc cccaactcaa ggaactgtac cagctgtcca 120

aagacaaggc agactttgct gtggtggctg gagatgaggc aagccccact actggaggca 180

gcagtggcga gaacgagggc actgctgggt ctgctgggcc ctgcaagggc ccccccagta 240

agtcctctgc cagtgccaag accaccgaac agaagctcaa tagccccagt agcagaggtg 300

gcatcaaacc gattccaaag cattccccca tgaaaccagg agagaagctg gctgtgaagt 360

cttctccagt caaagtggga atgaagagga aagctactga tgagacccca tgcct 415

<210> 6158
<211> 463
<212> DNA
<213> Mus musculus

<400> 6158
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cctctttctc tttggagcca tggtgaccct cactggaatc agcatctaca ttgcgtactc 120

agcagttgcc ttccgagagg cagtatgcct cctggaggag agggccctgc tggatcaggt 180

ggatatacgc tttggctggt ctctggccct cggctggatt agctttgtat ctgagctgct 240

cactggggtg gtcttcctgg cagcggcgcg tgcgctcagc ctgagccaga ggcaggacca 300

agccatctga gtttggccaa cccaggaggc gcagggcctt ttggacccat ctcagtggat 360

ggcaaccttt tcttactcaa ataccattga cagaagccag aaagccagtg gtggctcgct 420

gaggatgagt gcccccctggc tgctgtcttt gtgctatctg ggc 463

<210> 6159
<211> 541
<212> DNA
<213> Mus musculus

<400> 6159
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ttgtatacct cgattccgtg ggagagacag ggaagtctat ctgtgagacc atcttccaat 120

atttacaaaa cgagagcaag acacgcagga acattgagct ggacccttg gagtggaagc 180

agtacagtgt gacatcagag gagattcctc tgcaacagaa tgggagtgac tgtggaatgt 240

ttacctgtaa atatgcagat tacattgcta gggaccagcc tgtgaccttt tctcagcaac 300

gcatgcccac cttcaggaag aggatggtat gggcaatcct acatagtcac ttactgtaac 360

aacacccacc tggttgctat ggtcccctat ccctgttctt ttccgtcttt gtttctaata 420

tacctcaggt aggatgagtt gaagagatat aaaacaggta ctgagctgtc tcactagagg 480

aagcccactc tcttcaatat agtcctaacg tgggatttcg gactgatgca ctaatgccat 540

c 541

<210> 6160
<211> 416
<212> DNA
<213> Mus musculus

<400> 6160
aggccagtac ctagtcacca ttgatgccct gaccccatcc ttggtgaaca agatgttact 60

tctggtggtg ctccttgttg gggtgaccct cttcatcgca gtcctggtga tgtttgccct 120

gcaagcctat gagagctaca agaagaagga ctacacgcag gtggactacc tgatcaatgg 180

catgtatgcc gactcagaga tgtgagggct tctcgggagg ccagcctcta ccatggccgc 240

ctgttttgcc tcagaccaaa ctaagtgctt ccagatcctt tcggtgcaat ttcagagctg 300

tgccagatgc tagacacatt taatagctgt cagatcagct catgatcata tcatgagaaa 360

accgcctttt catatttatt tttctaactg atcacatacg caggagtggc catggt 416

<210> 6161
<211> 376
<212> DNA
<213> Mus musculus

<400> 6161
ggagctgcac tcattgcact atggactcta ctctgggccc ttataggtca agaagttctc 60

cctggtggaa atttgtttgg acttgtagtt atttttaca gtgctttcct tgggggtaaa 120

attttagaat tcattagaat acctgtagtg cctcccctcc cacctctcat tgggatgtta 180

ctggctggtt tcaccatcag gaatgttccg attatttatg aatttgtcca tattcctacc 240

acatggtctt cagctttaag aaacactgcc cttactatta tcctagtacg agcagggctt 300

ggactggatc cacaggcctt gaagcatctg aggggagtct gtctgcgctt gtcatttggt 360

ccatgcttcc tagaag 376

<210> 6162
<211> 521
<212> DNA
<213> Mus musculus

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<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

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tctgatgaga agatttttat cttctgcagt gctgatggcc gggaggaacc attcaaagcc 120

actggttatt ttgtttttca tcaggcgatt ttcaagattt tcatttgttt cagtattgtt 180

ggttttctct tttctctttt ttacactgtg gtacatataa gcaacttgac tagtgacaaa 240

tgtacagtag ttagatatca cctacatata cattttttcca ttttatgctc tatgatctga 300

agaacaaaaa aaaaagcttt ttgacttgta taagatttat gtctactgta aacattgcgg 360

antttttttt tgttcttgtt ttattgacaa tgctattgag tattacagtg tntagaatac 420

catggatggc ttntcttgtc cacccgatnt cccgtgttac caatgtgtat ggtntccttc 480

tcccgaaagt gtacttaatc tttgctttct ttgcacaatg t 521

<210> 6163
<211> 566
<212> DNA
<213> Mus musculus

<400> 6163
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agatcttcaa ccgtgtctcc aaccttgttg cacacaggat tattcatgct gacgtaaaac 120

catataaatg taatgagtgt gggaaagcct ttaaacgtcg ctcatactat atgcaacatc 180

agaaaattca ttctggtgag agacccttcc agtgtaagga gtgtgggaag gccttcattt 240

ttctggctca cctcaatgga caccagatga ttcatactgg agagatggct cagcagttgg 300

agcactgact gctcttccag aggtcctgag ttcaatttcc agcaaccact tggtggcttg 360

aaattatgtg taatgggatc cgatgccctc tcctggtatg tctgaggaca gtgacagtgt 420

actcacacac ataaaataaa taaaatcttt aagaaaaaaa aaaaaaaaaa agaatggctg 480

gtttggccat gcatgttgtc acagtagaca ggaggctgaa gcaggaaagt tgcaagtaca 540

aggctgggct ccatatcaag attctc 566

<210> 6164
<211> 278
<212> DNA
<213> Mus musculus

<400> 6164
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aacaaaaatc tcacagaccc agagctgatt aaacaatgca tagttgaatg cacggcccgg 120

attgagattg gactgcatta ccagatccct tatccacgcc ctatccatct gcctccaatg 180

ggtctcaccg cacgacgagg tcggggactt caaacccagg aaaaactgag aaaactttcc 240

aaaccagtgt atctgaagtc tcatgatgaa gtttccta 278

<210> 6165
<211> 490
<212> DNA
<213> Mus musculus

<220>
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<222> (118)..(118)
<223> n is a, c, g, or t

<220>
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<222> (151)..(151)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

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<222> (220)..(220)
<223> n is a, c, g, or t

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<222> (223)..(223)
<223> n is a, c, g, or t

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<222> (240)..(240)
<223> n is a, c, g, or t

<220>
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<222> (256)..(258)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (334)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(447)
<223> n is a, c, g, or t

<400> 6165
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agtttgggaa gcgagatggt tatggatccc tcagtcatcc tgacccagag accggaanac 120

tcaggagagt gtattcaggc tggtggaaag ncgataagaa atcgggctat gggatccagt 180

tnttcggacc caaggagtat tacgagggtg agtggtgtan canccagcgc agcgggtggn 240

gacgcatgta ctacannnac ggcgacatct acgagggcca gtggcagaac gacaagcctg 300

aaggggaggg catgttgcgg ctgagtggag attnntagac ccaganggtg tgntgaagga 360

agcgttggat aagctgatga agcccgagga agaggagggc tgaggtcagc cgaagcntnt 420

ccgtgcccct gaacaatgct gaccttntgg tatcactaac gggcgccggg catgaccaga 480

gagggcaaat 490

<210> 6166
<211> 536
<212> DNA
<213> Mus musculus

<400> 6166
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acaaggacaa gtttctgcga gagcaaattg aaaagtctag agatggatat gtggacattt 120

ctctcctggt gtcttttaac aaaatgaaga agctgacaac tgatgggaag ctaatagcca 180

gagcattgaa aagctcatct gttgtagagt tggacttaga agggaccaga atcaggagga 240

aaaaacccct aggtgagaga ccaaaggacg aggaggaacg cacggtatat gtggagttgc 300

tccccaaaaa tgttactcat agctggattg agagagtatt tgggaaatgt ggcaatgtgg 360

tttacataag tattccacat tacaagtcta ctggggatcc taagggattt gcctttgtgg 420

aatttgaaac aaaagagcaa gcagcaaaag ccattgagtt tctgaacaac ccaccagaag 480

aagcacctag aaagcctggt atatttccca agacagtgaa aaacaagccc atccct 536

<210> 6167
<211> 479
<212> DNA
<213> Mus musculus

<400> 6167
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gctaccatgc acgaagttcc cccagcccct gatgacatca gaggagagcc cagaggctca 120

acaggactcg caaacagcag acagaggagc tgtgaccact caaggcacca caatgggagc 180

agcattgctg gaggactggt gaaggggct ttgtctgttg ctgcctctgc gtacaaggcc 240

ctgttttctg ggccaccagt cactgcacag cccatcgttt ctgaagatca gaccacagcc 300

ctgatggccc atctctttga aatgggattc tgcgacaggc agctgaacct aaggctgctg 360

agaaaacaca attacaatat cctgcaggtt gtgacagagc tccttcaagt gaataacaac 420

gactggtaca gccaccgcta ttgaggactg accttgtatt aaataactgc ctgccgctc 479

<210> 6168
<211> 500
<212> DNA
<213> Mus musculus

<400> 6168
tctgaacact agcactgggc tcttaagaaa tgatgtttta agagcagaga tcttttttta 60

atgtctttga tttatttttt agttgtaatt aggtacatcc tcagagatgt actttcctcc 120

tcttgtgcag gatgtggagg actcgttcca tcatctgggg catctttaga gtgtatagac 180

cacactggtt atgtggcttc aagttgtaaa aattaaaatg actttaaaag aaactagggg 240

ctggtccagg atctcactgg taagactgtt cttaagtaac ttaagtatct ttgaatctgc 300

aagtatgtag ggaaaaaaaa aaagatatat tattgtgagg aaatccattg tttaaaggtg 360

tgcgtgtgtt gttgttgttt tttaaaggga gggagtttat tatttactgt agcttgaaat 420

actgtgtaaa tatatatgta tatatatgat gtgctctttg tcaactaaaa ttaggaggtg 480

tatggtatta gctgcatcac 500

<210> 6169
<211> 135
<212> DNA
<213> Mus musculus

<400> 6169
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cctcctccac ccagtgacca cgacagaagg gactggtagc ttgaacttgg accctccagt 120

acaggcattc cactt 135

<210> 6170
<211> 555
<212> DNA
<213> Mus musculus

<400> 6170
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ttctgggcac tttgtccccc ttggagcctg agtaccacat gtcctgggta ctgactggta 120

catgcccccc ataccctcag tacccagaca aggcagggtt taggagttgt tggagcatct 180

caaagtgtca ctacctcagt aacaggggca ttttgtgcat aggacaacac cagcagttat 240

gggtgttcct tctagcacac tatcccttgg tgacagcagt gatgactctc aacagtgtca 300

tcctacccca gacacctccc actccacaca gatcactctg gactaggaca tttcctgaac 360

atttgcaaga tttacagtcc tgcctaggtt agcggctcct ttgatggcaa aggtcagctg 420

gaacttgact ttgaggtggc aggcccatgc aactggccac ctcctccacc cagtgaccac 480

gacagaaggg actggtagct tgaacttgga ccctccagta caggcattcc acttacaatt 540

ctgcccttga tctag 555

<210> 6171
<211> 499
<212> DNA
<213> Mus musculus

<400> 6171
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aggagcaaag ctagagatct ctaccaagga ggtgcccgta gtccacacgg aaacgaaaac 120

catcacgtac gagtcatctc aggtcgatcc tggggcagat ctggagccag gtgtgctaat 180

gagtgcccag acgatcacgt ctgaaaccac tagtactacc accaccacac acatcaccaa 240

aactgtgaaa ggaggcattt cggagacgag gattgagaag cgaatagtca ttacagggga 300

cgctgacatt gaccatgacc aggaataact caacctgcac atgaacccag tcatgtgaac 360

tgttaggaaa accggagcct acatggaatt ccctcttcta acccaactga cttctatccg 420

tccgtggaaa attctgatcc gggagagccg accttgacca ttggatgaaa gactggcaga 480

gagatcttcc ccgaataaa 499

<210> 6172
<211> 382
<212> DNA
<213> Mus musculus

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ataaatactg ccgcttaaat gatcacaaga ggcccgtttg tagtggctgg ctgacaacgg 120

ctggagcaaa ttaaataaat aaaatagctc tgtctttcaa tgaaacactc aagatgacta 180

ctgcgccttc tcttttaaaa actcctaatt tagtgacttc tggcaaaatt ttaccttaaa 240

tcttaaatca atgtgattcc ttgttttggg agacggtgga ggtaacctca ttcgtttgtt 300

ctttcttcag gcttgtgtct ttagtttcgt ggctgcgcag gcctgcctat gatttaagcc 360

atctcttcat taaacgtttc tc 382

<210> 6173
<211> 267
<212> DNA
<213> Mus musculus

<400> 6173
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tgccaccaac ctaccccgag tggacgacgt gctggcctcc ctgcaggtct cctcccacaa 120

gtgcaaagtc atgtactaca cagaagtgat cggctctgaa gatttcagag gctccatgac 180

cagcctggaa tctagccaca gcgggttctc acagctcagt gccgccacca cctcctccag 240

ccagtcgcaa tccagctcca tgatttc 267

<210> 6174
<211> 401
<212> DNA
<213> Mus musculus

<400> 6174
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ttgctacagc cttctttatt ttctgcttac tctagagaaa ggagatgcag aacatctgaa 120

aaagagggac aaactgtggg aggtctgtgt ctccatcctg gctctcctgc ctagagtcct 180

caggttgatg ctgcagagtc tacgggtgaa cagagcttct cctgaggagc tgcctgttgt 240

aggccagctg cttcgcctgc tgcttcagca tgtgcctctt aggtcgcaca tgctgactaa 300

tgccatccta gtgcagcaga tcatcaagaa tatcacgact ttaaagagtg gcagtgttca 360

ggagcagtgg cttacagact tacattactg cttcagcgtg t 401

<210> 6175
<211> 587
<212> DNA
<213> Mus musculus

<400> 6175
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actgacagaa tggctcgtca ccgagaacag gagacatgga gagacactgg gctggccgga 120

gtacaactgg gcgccaaaca ccgctcgcgc agaaggctcc accgcagagt ccaaccgcgt 180

caatttcctg ggcctgtacc tggagccaca gcaggcccgc gtgggccagt gggtgctgct 240

cttcctgggc gtcgccctgc tcgtggccac cgtgggtctc gcccatcggc tctacaacat 300

ccgtaaccat cacagcctcc gccggcccca ccgtgggccc cagtttgggt ctgaggtgga 360

gctcagacac tcctgaggtg accctgctgg caaggccagc agaggagtgt cccataagaa 420

actggatggg ggacatggtg tttgagtgga acatacccta gctgagcctt cctcctttgc 480

tgtccccatc cactctgccc cacccccacc ccccaggccc agcccccatt ctctggatac 540

ccagtgtcta acaccgactt ccctgcccag tctctgtgaa tacaatt 587

<210> 6176
<211> 425
<212> DNA
<213> Mus musculus

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gctgggtgtg gtgacatata cctgtaatcc tagtacctgg gaggctgaga caagtccgtg 120

acagggcacc atttgcctag gctggatata tagcaagacc ttgactcaaa ataaataagt 180

aaactataga caaagagaga cacaaagaca gaatagagaa agtttgaaaa gaatttttt 240

aattctcttg gtaacctggc tgtcctggaa ctggaactca gagatccccc tttgctgcct 300

ccgagtgctg ggattaacgg tgcgcgccac cactgcctgg caagaaaaat tacaaccctg 360

tccctggttt ttttgatagt cttactggtt tttaaaacca gaggtgaatg tttctattct 420

gaact 425

<210> 6177
<211> 440
<212> DNA
<213> Mus musculus

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agtaccctct gaacctcacc tgggaatgtc ccccaaaggt gccacggccc agggacgcct 120

agggacttgt ctccggaagt gggagacatg ccgggagcct ttgggaatgc tccaacgccc 180

actgaatttt gcacaaggcg gctcatgttt taagtggggt tcccaagtgt ggacactctt 240

ccagtaaaat ggcaggcaag caacccgagc ttctacaaca ggagcagggg accgactgtg 300

actgactcag aaaagggagc atttctgaag ccaagacttg agctgtgacc aacatacagg 360

ccaacataca cgatgtcgcc gtgcatgccc tgaacatgct gcgcagtttt cgtgggtgag 420

gaagttaccg caaacccatt 440

<210> 6178
<211> 401
<212> DNA
<213> Mus musculus

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tgcaaagaag ctatcaatat tttgagccat ctaccttctc atcactacag tactggttgg 120

gtcctatgcc agattggacg ggcttatttt gaactttcag aatacatgca ggtaagtata 180

caaagataca tatatccttc tagaattaat ttaactttca tgcttaaggc tggatcataa 240

aggctaatat ttactaattt attatataat gtttatataa ttattttcct agtatgtata 300

attgtcttag ttaggattac tattgctgtg gtgaaacacc acaaccagaa gcaagctggg 360

gaggaaagaa agcctttatg ttgctcacag ttcatcatca a 401

<210> 6179
<211> 495
<212> DNA
<213> Mus musculus

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taagcatgaa gtcgatcagg agctgactga tggatttaaa aatggccaga atgcagctgt 120

ggtacaccgc ttcgaatccc tgcctgctgg ctcaaccttg atcttctata aatactgtga 180

ccatgaaaat gcagccttca aagatgtagc cctcgtcctg actgtactgt tggaggagaa 240

gacgctggaa gccagtttag gcctaaagga aattgaagag aaagtgaggg atttccttaa 300

agtcaagttc accagctcta gcactgccag ctcctacaac cacatggacc cagacaagct 360

gaatgggctc tggagccgca tctcccacct cgtgctgcct gtgcagcctg agaacactct 420

gaaagcaggc agctgcttat gagggagaga agcggaaagc catctcgggt ttgagcggtt 480

ttgagacctt gtaac 495

<210> 6180
<211> 334
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (288)..(288)
<223> n is a, c, g, or t

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<222> (302)..(303)
<223> n is a, c, g, or t

<400> 6180

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caccaccagg tagtcccaaa gctgtagaac ccaagactaa aatatctata gagtctctga 120

aaactgtcca ggtggaggag aattcccaac acaagtcctc agtacacgtg gaggcagaag 180

ctacagttnt gctctctaac actgctttag atggtcagcc cgaggtacct gcagaacccc 240

tggatgcaga gggctttttc aaagtagcct ctgaaaattc tctgcacntt gaaacggaga 300

tnnttatcat aaaccctgat gatcctggcc agga 334

<210> 6181
<211> 509
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (393)..(393)
<223> n is a, c, g, or t

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<222> (395)..(395)
<223> n is a, c, g, or t

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<222> (420)..(420)
<223> n is a, c, g, or t

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tgaacnanaa aanattgctg actttggact agcaacgcag ttgaatatgc cacatgaaaa 120

gcactataca ctctgtggga ctcctaatta tatttcacca gaaattgcaa ctcgaagtgc 180

acatggactt gaatctgata tttggtcatt gggctgtatg ttttatacgt tacttattgg 240

aagaccacct tttgacactg acacagtcaa gaacacattg aacaaagtag tcctggcaga 300

ttatgaaatg ccagcctnnn nntnncgnna ngnnnnnnnn annnccttat ccaccantta 360

nttngtagaa accctncaga tcggttaant ctntnttctg tgttggacca tcctttcatn 420

tcacgaaatc cttcaccaaa gagtaaagac gtagggactg tagaggactc aatggatagt 480

gggcatgcta cactttccac aacaattac 509

<210> 6182
<211> 363
<212> DNA
<213> Mus musculus

<400> 6182
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atggaaagaa aggagaggct atccaaattt gagtctattc gtcattcaat tgctgggata 120

attaagtctc caaagtcggt actcggatct tcaacacagg tgtgtgatgt gatctctgtg 180

ggtgagaggc ccctggcgga gcatgactgg taccatggtg ccatccccag gatagaggca 240

caggaactgc tgaagcagca aggagacttc ctggtgcggg agagccatgg gaaacctgaa 300

tctgtatcga ttcgagggca ccgggttttc aaacattccc cagcttatag atcaccactt 360

caa 363

<210> 6183
<211> 465
<212> DNA
<213> Mus musculus

<400> 6183
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aacagagaag gaaattgagg aagttcacag tgaatatcgt aaaaagcacc agaatgcatt 120

ccagcttctg gtggatcagg ccaaaaaagg gtataagaaa actggcagag tttcacaagc 180

tgcagcgatg agaacagatg aacctacaga gacactgccg tcgatgagag cagatgaacc 240

tgcagagaca ctgccgtcga tgagaacaga tgaacctgca gagacactgc cgtctgagtg 300

tatcgcacaa gaagataatg tgagcttctc agatactgtc tcagtaacaa accactttcc 360

tcagccccag ctggactcgc caggcccgtc ggagcctgag aggccggatg attcttctag 420

ttgtactgat attcttttct cctcggactc agactcatgc aatag 465

<210> 6184
<211> 272
<212> DNA

<213> Mus musculus

<400> 6184
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cctcaccttg gcccagggcc catcttgctg ggacgatgtc ttaattccaa accggatgag 120

tggtgagtgc cagtctccag actgccctgg aaccagagct gaatttttct ttaaatgtgg 180

agcacaccca acctcagaca aggacacgtc ggtagctttg aacctgatca ccagcaacag 240

gcgcagcatc ccttgcatag cgtgcacaga tg 272

<210> 6185
<211> 446
<212> DNA
<213> Mus musculus

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<222> (268)..(268)
<223> n is a, c, g, or t

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<222> (276)..(276)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgaaaatgt tatctagatg acagcactcc gtcctctcca gaaaaaaaca aaacaaaaca   120

aaactgcaaa acaaacaaaa cctcaccatt ctgagcagaa atgaaaactt ctgtcaaaga   180

ctgaatgtaa atgtctcccc nccagaccca catgtttgca tccagacaga gaagttcagg   240

ctcaagggct ttcagggtac aatgactntt ggggantggg atacagccna ttcagacntt   300

cngactaaga atctntntat gcccatcctn tntccggtaa tgatgnatga ggctgtgntn   360

atagacagtg gantnatttg tntgatgaag aaatttttga caaagcacag catttggctg   420

tggcacagcc atgttcgctg ttttta 446

<210> 6186
<211> 555
<212> DNA
<213> Mus musculus

<400> 6186
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gaaagaatgt atcaaggaac ccataaaacc acctccagtt ccctgcaaac ccacacatat 120

ggaaaaatcc acagacacag aggaggacaa tgtagctgga ccactattta gcaacaaaac 180

cactcagttt ccatcagttc atgctgaagt acagtctgag gagacaagtg aaggagctcg 240

gggtccctct gacaaaccga ctactcctaa gaccgactac accccaccct cgtcaccacc 300

tccagcgcct gtctctgccg agtacgctta tgtcccagct gacccagctc agtttgccgc 360

tcagatgtta gaagatgtag ctaaaaagag ttcaggatct ggtgacaaac gtactccctt 420

tggaagttat ggtattgctg gcgaaattac tgtgactact gcccatgtcc gcagagcaga 480

accttaaaag aatgctgatg ctgtttgatt cagcattcaa ggtggagttt gtcaccatgt 540

gaactgtatc aataa 555

<210> 6187
<211> 162
<212> DNA
<213> Mus musculus

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gacaaggact ctcagtgcgg aggaggcatg tgctgtgccg tcagtatctg ggttaagagc 120

ataaggatct gcacacctat gggccaagtg ggcgacagct gc 162

<210> 6188
<211> 342
<212> DNA
<213> Mus musculus

<400> 6188
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gtatgacaaa aaacttggct agctcacttg agacagaaac cggaggacgg tacagtgggg 120

atgcacctat ttctttcttc tctccccttc cactccagtg gtcatttcta gaccattgct 180

ctcctgacat taaagataac cttacaccaa catgatttct aacctgtgga caaagtagat 240

attttactgg aacatgctct gtaaaatcaa agagttcttt taaaagactc tatgctcaac 300

cagctgatgg agcaggaatc agtcatcttt gtggattttg tt 342

<210> 6189
<211> 331
<212> DNA
<213> Mus musculus

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aatgctaacc ttgtgagtct acacacccct ccctgtctag caatgaagcc ccgtgctctc 120

acagaacttt ctgaggatgc tctagttcca ttatctctta gagagaggag cacgcgcact 180

gcacggggtc atactccact gagcttgttg ctgtgctcag gtagttcagg gaataagtaa 240

atgctgctct ctgctctcag ccgatgcccc tggtgggaaa gaagtgggct tcaaatttcc 300

acttcacatc ctcctggagc acgaagagtt a 331

<210> 6190
<211> 256
<212> DNA
<213> Mus musculus

<400> 6190
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aaattggcat cataaacaag ctctctcctg acttgtattg tggcagtcgg aatgccccca 120

gaaaactgtg ccaaagagtt tagaaaacaa atgtacaata aaagtaaata cactcaaaac 180

cgcaaacttc aggtaactat tttgaattgc aaatgacgaa aatttaatgt tgaacgatct 240

gataaaataa ccattt 256

<210> 6191
<211> 223
<212> DNA
<213> Mus musculus

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ttgaatagct tcttgaacct agcccatgtt tctgatccca aaataggtgt tgatgggttt 120

gatggggaga gaaacattca ggctgttgtc ccttcctgct tactttcatg cctggtgcag 180

gtttgtatgt atttaaatag acacttagct gataggtcgg aag 223

<210> 6192
<211> 110
<212> DNA
<213> Mus musculus

<400> 6192
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tttgggcgct gagcacctac ctgaggccag tggcaccatc tttaaagcgg 110

<210> 6193
<211> 57
<212> DNA
<213> Mus musculus

<400> 6193
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<210> 6194
<211> 576
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcgctgctgc gatntgttct ttnatcgana tgttanttca attccaacac ttcagagncc 120

ttaggttaag gaagtggtaa ctgtgacatc tatgatnttt ttcatcgtgg gacaagcccc 180

tgaaccatat atcgtcatta ctgggtttga agtcaccatt attttctgtt tcgtagtctt 240

gtatatgtgc agacgtgaca agataatgaa atctttcttt tggcctttgc ttntaagtga 300

tgaacttcaa ccttaaacct taantaactt tcctncctta ggaagacacc ttantnaact 360

acttgaatnt cctaaatntt tnnaggtgat ntntngctca ctgcttgggg gatgntntca 420

gggattcagg atacccacag aacataagtt ntntttantn tatntaccag taggtatggc 480

tgacctttnt nttaactata aatgttatga aatataatnt ggtggccggc cggggtacct 540

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gacagaggat ggcaaacact gtcttacgga tccttgggac catccctngc cttgtgccta 120

tgggtggggg tggaggtggg gggtaggggg agtttctgac agagcttggg aaaaggcgtt 180

tggtgttact attctttgcc attggtggtg tgcatgcttc aaaacctacc aggtaaaagg 240

ctggctagga nctctcaggt tgggttcaaa tactgcntcn ctttgtgtnc actgaagaat 300

ccacattttg acagttgttt tcnaaatagt taatccagag gagagtccag ctcttaggac 360

aggaaagacc tgagaggtta taggaagttt gtttacattt cccattagaa ctctgtaatt 420

gtccataag 429

<210> 6196
<211> 245
<212> DNA
<213> Mus musculus

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aggttctctc atgctgcctc ccatggagct aagtccccag cgtttttgta aacctttga 120

agatgaattt agttgcaaaa tcaagctaag caatttccac ttcaggcttt gcaagcaaag 180

agctattgct ccttctcatc ctggtgctga gcacagtttt agacctggtt agtgcccttg 240

gacat 245

<210> 6197
<211> 592
<212> DNA
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cctgccttct tagctaaaga agcctccctt gtgaggccac agtgactggg gaggagcctt 120

gcctgtctgc ccctccctac tctgcttttt agccccttgg cttcccagac tctcatgcag 180

ttggttgtaa attcttccag gagctgtttt tctgtctact tttcaggatt taaaaaaaat 240

ttttttcnaa aactttaaaa aaaaaaaaan gtttaagaag cnaattgnca gagggaggaa 300

gcattgactt tttttggnta attatgcttt ttttttttt tttttnantt ttnagaantt 360

nntctgnttt tnnctgtggg tcanccgttg atacttcatc aaataaccat ttctttgctg 420

agttcaggta accgaggaag agccacaccc tcgaaacaac aaaatcacct ttaacctaac 480

tttttatatg antgtctcag ttccccgtaa ctttgcacac aagcgtctgt tcagttggat 540

tgtaactgct ttttgtactt ggagagagtg tgactattga acttgaaacc tt 592

<210> 6198
<211> 190
<212> DNA
<213> Mus musculus

<400> 6198
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actcaaagca caagaagatc accttcttct aaatctaagg gagactgttc cagacttctc 120

agagtcgggc ttctgtcctg gggctttggt ggtggtgagc tcgggacgca ggatgccgat 180

tttaatgttt 190

<210> 6199
<211> 365
<212> DNA
<213> Mus musculus

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tgcttgtcaa caaaaagtta attaaagtaa tgtgcgtaaa aacgttgagt gctgtagggg 120

tttctcatcc atcataccta tgcattttcc aatgcatttc tcctcccagg ccatctgcag 180

gtgactctgt agcagtgcct tattttctag gttggctttg gccatttctt ggtttttata 240

tttatcaaga ctgaaaaagt tttacgatag caagtaaaca tttgtgactg aactattagc 300

cggaatgtgg aaatgtgtat tttataatgt gggaaacttt gggaatatca tttttgtcct 360

gaata 365

<210> 6200

<211> 516
<212> DNA
<213> Mus musculus

<400> 6200
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aactccatca ctagcggtgc cttaacagga gccatcctgg cagcaagaaa tggaccggta 120

gccatggttg ggtccgctgc gatgggcggc attctcctag ctttaattga aggagctggt 180

atcttgctga caagatttgc ctctgcacag tttcccaatg gccctcagtt cactgaagat 240

cactcccagt tgccttccag ccagttgcca tcctcgccgt ttggagacta ccgacagtat 300

cagtaggact tggttcccag gattcctgga accgggtgga ctgtagttcg gtaggatttc 360

agaagatcaa gttacagtct gtttaaagcc ttaggtggga catcagcggc caagcgggcc 420

ataaagagac atttagcaca tttttctatt taaaagagac tcagagggtg aaaaatatat 480

tgagtttatt tattcttgct tggattgcat ctgtga 516

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<223> n is a, c, g, or t

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taatttaccc aagaacttct actctttctc tgctgacatt atatttatat gttattaaag 120

aggntggttc ttttaaagnt ttcanctagt taatttttatt attcagtccn agataattta 180

tttgtaatag acataaagaa tcttttgtaa atgccnagtt acacccaaat attgtaccct 240

ttaataatta aacatcagtt taaagctgga cactcctagt gcaggggaca tgtggcctaa 300

ctct 304

<210> 6202
<211> 180
<212> DNA
<213> Mus musculus

<400> 6202
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gttacacgca tggggagaca ctctggagga agcatttgaa cagtgtgcca tggccatgtt 120

tggttacatg acagatactg ggactgtgga gcccctccgc accgtggaag tagaaaccca 180

<210> 6203
<211> 453
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (360)..(360)
<223> n is a, c, g, or t

<220>
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<222> (393)..(393)
<223> n is a, c, g, or t

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ggaagattat gataaatatg gaatccggat tagagtaaaa tttcgcagta gtactcagct 120

gcatgaatta actcctcatc atcaaagtgg aggtgaaaga agtgtttcta ctatgctata 180

cttgatggca cttcaggagc ttaacagatg tccgttcaga gtagtcgatg aaattaatca 240

gggtatggac ccaattaatg aacggagagt atttgaaatg gttgtgaaca ctgcctgtaa 300

agagaacaca tcccagtatt tcttcatcac accgaagctt ctacagaatn ttccttattn 360

tgaaaagatg acagtgttgt ttgtctacaa tgntcctcat atgctggagc caaaccgatg 420

gaatttaaag gcttttcaaa ggcgtcggcg aag 453

<210> 6204
<211> 517
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cagattttct gattcatctt acagaatctt cattagactt tgagccagtg gaacatacta 120

gattctttaa acacctgagc cttggtggnc agccccagga ctatttnntt ttgtggtaag 180

ctgcagtatg aagcacatgc gattgtagat ttggacagtg tgtgtacctg ataatacttt 240

tcacagcaca gtgccagtgt tgtacacacc ttagactttg ccttataggc tgtatgtaca 300

ttcatttttt naaaaccttt ttttncaaaa actactccan ctctgtgctt gttgtatgtg 360

tgtaacccaa agacagaaat tgctttttca ggcttcggtg cctctcatac accaccttaa 420

gtctccaccc caggaaggtt accagtgtga tacccagaac ttacaggtca gggtctccac 480

agaagggcag gtgcagcagg tgcagctcat aactaat 517

<210> 6205
<211> 382
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 6205
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ggtgttcaga tggttcccat cagctggtgt gagatgcagt gccccaagac ccacactaaa 120

gaattccgaa aagtggcccg agtacagccc gagttcctac agacctaagc ccacctaccc 180

caaagaggac ttcagcactt cagctacttc taaaagtaca catataaaaa aaccatcaag 240

atgcaatggt ctttattaag gtacctgcgg tcagctggca accatntctt gaaacaatgt 300

gccggaaatg tattcatgct gtaatgacac ccaaggcccc tnccgctgct gagacaggga 360

gattgttagt gcccaagttt ga 382

<210> 6206
<211> 361
<212> DNA
<213> Mus musculus

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<222> (52)..(52)
<223> n is a, c, g, or t

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<222> (318)..(318)
<223> n is a, c, g, or t

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atattgatgt tgagtcagta tcctctggag tcgagctcct ggggcccttg gacagaagag 120

acatgctgaa tgaaggtttt gccagctcag ctctcatgcc tgaaggagaa aacaagtttc 180

caggccttct tccttccatt ggttcaacac acatgcaaac tcttcaacag aaaataccaa 240

atggcccttc aagcagatgg gcaattgaga gaaggactga ggaagaagag gaggaggagg 300

aggaggaaga ggaggagnta tgcactgact cttcaggggc caccacctgg aatgcagaag 360

g 361

<210> 6207
<211> 573
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (428)..(428)
<223> n is a, c, g, or t

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<222> (441)..(441)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcatnnttta cattgtcatc cagtacttca tcttcctcaa cctggtgatt gctgtcctgg 120

tagataactt ccagatggcg ttgctcaaag gcctagagaa agtgaagctg gagcaagctg 180

cccgggtcca tgagaagttg ttggangact ctctgacaga tctcaacaaa gcagacgcca 240

atgcacaaat gaccgaggag gccttgaaga tgcagcttat tgagggaatg tttggcaaca 300

tgacagtgaa gcagcgggtg ntccacttcc agttcntgca gttnnnnncn ncnnnnnnan 360

nancatnnac agaantttcn ttcccaagcn tanntnatng atgagcttgt gganatggca 420

tttgaggntg gagacgacga ntacgggaag tgaccctgaa gaatactaac ctgagtttnt 480

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accatgttgg actgaggtcc caatagagtt ttt 573

<210> 6208
<211> 441
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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catcttcata aaatgggcag acccctggtt catagggatc tgggttttct gagaacctgg 120

tgtcctagga agtggttggc tttttctttt ctctttttt cttttgtctg gggcgtgggg 180

aaaggaactt ggactgtatg gagagataca gacccttccc ttcctcaggg aagatggagc 240

tgctgatgca tcagcctgtc actcggaatc ggcaaacttt actgaccact cagagccaca 300

tttgtttttt gttttttnnt ttttnnnttt tttngtaatg ctcagacata aacttaacat 360

cttgatggaa gaagaataag gggaacttca attatgattt ttatccagac aatttntatt 420

acacccttct ttatgacaag t 441

<210> 6209
<211> 305
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gccagaacaa gccngctggc agaagagact tcaaggactc caagcctaca gcagtgcagg 120

agaacttttg agcacttcag accttgccaa gactttgaaa gatcttacat caacagacac 180

agttgcgtct gcttcagaca ctcaagccac cagcattgac atcacatccg tacccaccct 240

tgagtcatct tcacatttgg caaatatgat tccagaagca ggcccacaga tcctttgcaa 300

agaat 305

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<211> 510
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<223> n is a, c, g, or t

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<222> (421)..(421)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (462)..(462)
<223> n is a, c, g, or t

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catggggcca atattgacta taacatcagc catctcggaa cacctctgta tgtggcttgt 120

aaaaaccagc aagtagcctg tgccaagaag ctcctagaat caggagtatc tgtgaatcaa 180

ggcaaaggct tggattctcc tcttcacgta gtggccagga tgtccagtgt ggagctggtg 240

catctgctca tggatttcgg agcaaacgct caagccaaga atgctgatgg caaacgtcct 300

gtggacctgg tgcctctgga gagtcctttg atccagatct tcttgcagaa tgaaggaccc 360

cagtctttga ggcagntatg ccgcctgaga atccggaaat gctttggcat tcggcagcnt 420

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ttgtggaggg actggattcg caagcaactg 510

<210> 6211
<211> 548
<212> DNA
<213> Mus musculus

<220>
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<222> (166)..(166)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgcacctaca ccaaagggcc tcaggtggcc accttccttc cttcaagggg ctccccttct 120

ttgcatggac atttttaaaa tcaccgactc catgaggatg aggttntgtt ttacaaaatg 180

ccatgaggtt aaggagagtt gggaccctga gactggagtg gcacctcccc ctcctttgat 240

cttttaagac cttcccttcc ttgatccctg gaccagactc agtggacatt tgtgcaattg 300

ctcgccctgg agggaaccag atcatttta aaccagaaat aatttttttt attattgtta 360

cggattctat ttttttcctc ttctccgtta ccaggtgtgt gtgtacatat atatatatat 420

nnnnnntata aatatcaaag aaattatata tctatcctgg gatgggaaaa caagggaggg 480

atatatagat atatatatat atatatacat aaggaggggg attttattct tccctttcct 540

tagaccag 548

<210> 6212
<211> 375
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<400> 6212
catatatagg aagccagagg taccaaaaag aaagtttatt ttttaaaagt tctaagtaga 60

gtatacttaa gaaaaataag aacacatatc tttatctatc tatatataaa gtttaaagaa 120

gagtgacact tgaaaagtgt gtctagattt atttttttcat ctcatttttg taaggaaaag 180

caatgtgcat tgtttcttca acacacatga ccctcacttt ctgccagcag acataaacat 240

acagttagtc cggtgaagcc tggggtagct gtggcgggtg tggacacagg acagggagga 300

aagaagacag acggaagggc atgtgacctt tgagncaaat acctccattn tcttccaatg 360

ttactaacag tgaac 375

<210> 6213

<211> 488
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<400> 6213
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aacgtggaca ttatcagtac taaaagtgtg gacttcccag gatatgctcc aacttcgact 120

tatatccgtg gctttaatca tccctctggc tatgtgtgtt cacctctgaa ggaaaaccca 180

gcctattcca agctagtgat ttttgtccag acagagatga aaggaaaatt gcctgcatcg 240

gtaattgaaa agtctatgcc ttccaactta gtaagcttcn tcctcaatgt gaaagatggc 300

gtaaagacgt acagaattcc acccatacgt gcccggcaca gttcgcantc ctctgtgcac 360

aaaaagaaag aaggacattc tgccattaaa ccgtagcgat ttcagacagc acagcctact 420

agtaagtgga gtttgttcct gcagagtact cctaagtcaa cgtgaataag cctgttcagt 480

gtctctag 488

<210> 6214
<211> 109
<212> DNA
<213> Mus musculus

<400> 6214
gacagaacgg gtgagcctta tggctgacgg gaagatcttt gtgggaagtg gcagcagtgg 60

gggcactgaa gggctggtca tgaactcgga tatactcggt gctaccaca 109

<210> 6215
<211> 172
<212> DNA
<213> Mus musculus

<400> 6215
cctcatcacc agcacagata tcttgggcac taacccagag cccctgacac agcctgcaga 60

tggtcagggg cttcctcttc ttcctgagcc cttgggaaac tcaacagctg gagagtgcct 120

actgctagaa gctgaaggga tgtcaaagtc atactgcagt gggacagaac gg 172

<210> 6216
<211> 490
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<400> 6216
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taaactgcct tatgtataaa atgtcatact acagatttgg agaaatgcag ctagattttc 120

gcactccccc aggntttgac cgaacacgta atgctgagat tggaaataaa gacattaaat 180

tcaagcattt ggaggaagct tttacatcag agcactggct tgtcaggata tataaagtga 240

aagcacctga caacagggag acactaggtc acaaacctcg agtcaccaac atcgtcccca 300

aacagaagta tttgtcaaag aagactacta aaaggaagcg tggctacgtt aaaaataagc 360

tagtgtttaa gaaaggcaag aagacctcta agaagactgt ttaaatgcgc tgttctggcc 420

tcacttgcag cagtccttga gagaaccggt ctttgccttc tgctcatgtc ctgtttcaca 480

gcaccaaggg 490

<210> 6217
<211> 377
<212> DNA
<213> Mus musculus

<400> 6217
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tggccgtatg ggaaccggca ggaggctcat cctcatggct taaatcatgg ctggcgctgg 120

ttggcccagg tcttaaacat ggagcctctc tcagatgtga cagctaccct cctgtttgac 180

ttcttggagg tgtgcgggaa cgcccttatg aagcagtacc aggtccagtt ctggaagatg 240

atacttctca tcaaagagga ctacttcccc agaattgaag ccatcacgag ctcaggacag 300

atgggctctt tcatacgtct gaagcagttc ttggagaaat gtctgcaacg aagggagatt 360

cctgtgccca gaggctt 377

<210> 6218
<211> 434
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<400> 6218
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ctccagctct atcagaaaca gcatttgccc gtctgaatgt ttctactgca gtctgagaaa 120

ggtctgaagg ctggttgtct ggggctcagt ctctaggtcc agaaacagcc tttgttccat 180

gataggcaca gctcctgaga agcttggaca gatgaggagc gagcgcagga agaagcctag 240

gcagccaggn ccgtctagca tccagaaagc gactcttcat gtnctcaatt acaaggacat 300

tcttaaactt ctgtgcttgg aagaagcnaa tccagatgtc tagaacttgc ctaagtacaa 360

acccgatgcc attgagtttc aatttttttc ttagaacttg ttaaaataca agtggcaatg 420

ctcaggtgct tctg 434

<210> 6219
<211> 364
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (274)..(275)
<223> n is a, c, g, or t

<400> 6219
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ccctcacaaa gctggaatga accaaagtga aaaggacggt tcccaggcag catctgtcag 120

tatgtcagag tgctagtgct tccttctaaa caggatgacc aagtcattcc agttcatctt 180

ttccatcatc ctacctgcct agaactcatg tgtaactgtg atatagctac cttcccaggt 240

atattggcag gtgtgtgtgt gtgtgtgtgt gtgnnatctc agaacacaca ggtaatgtga 300

tgtgacctat gacaactggt aatggtggat tcatttacat tgtttacact tctatgacca 360

ggcc 364

<210> 6220
<211> 194
<212> DNA
<213> Mus musculus

<400> 6220
acagggttga gaggagttag aacttctgta tccccatagg gcttggtagt aagtacagca 60

ctgcttcaaa atccagcccc caaaagccct gtaccctctg ctagatacag gcgatccaag 120

caggcccctt atctgtacat agtgactgta ggggacccct ctagtttctg taaatattga 180

atcagtgagt gaat 194

<210> 6221
<211> 440
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<400> 6221
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ctggacttat tgctgcactt tgggggatac tcattttcaa ggaaatacag ggtctccgaa 120

actacttact gatgatgctc gctttctgca tcatcttagc tggggccttg tgcaccgctt 180

tttctaaagt gtagctgttc acggcaagag cagcagaggg cagcagaggg cagcagcggc 240

taggagaagg acctctgctg cgcaagctaa cactacagac agctaagctg tggcactgtg 300

ggtctctgcc actctgggaa tgaacngata aatggctgtt nnntccacca acntgagaac 360

ncgaagagag accgtgtttc anttcagcgt gtgtgaaaan tcttttcgat gagctattaa 420

cgaaggctgg acctcgctgg 440

<210> 6222
<211> 474
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<400> 6222
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atgaaaacaa tcactcgtct tcacaaagcc atggtattcc ttgagtattt tacaagtaac 120

tcttgggttt ggaatactga taatgtcaat atgttaatga accaactaaa ccctgaagat 180

aaaaagacct ttaatattga tgtacggcag ttacattggg cagaatatat agaaaactac 240

tgcatgggga ctaagaagta cgtgttgaat gaagagatgt ctggcctccc tgctgctcgg 300

aagcatctca acaagttgcg gaatatccgt tatggtttca atacaatcct tgtgatactt 360

atctggcgca tttttattgc aagatcacaa atggcaagaa acatctggta ttttgtggtt 420

agtctgtgtt acaaattntc tgtcatactt ccgagcatcc agcactatga gata 474

<210> 6223
<211> 524
<212> DNA
<213> Mus musculus

<400> 6223
gcagtgcagt gctactccag tggcatgaaa aggccttagc tgtaggagga ctaggctcca 60

ttataagagt tcttacagca agaaagactg tttaaaaaaa aatcctgtta ccttgagaag 120

aattttggat gcccaggctg gtgaagaagg gactgacaat ggaccatctt cctagaactc 180

ccaactaaat acttcaggac acatcttctg gaatgtattt tacttttgag gtggagggag 240

aaattgtctt attgattcct aaattctttg caggatcaga atgtctgcct ttgtctacag 300

agttaacaca gaaccaacac ttgactatca ggctgactgg ccagattatg tcaggtgtac 360

ctgtgagcac tgtctgtttg aaatggggag ggactgtttg ggcaggtgca gatccacagg 420

ctgtggtgaa aaggagagct tgggttctga agcggaaaaa cctgagagtt tgtacagaca 480

tcctgtcttc tcagagaaga caggctctct tgggttcatt gtaa 524

<210> 6224
<211> 457
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<400> 6224
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gccaagacct gagccggagt ttactgaagg aagaagaccc tgctgtcctc atctctgagg 120

tcctcaggag gaagtttgcc ctgaaggaag aagacatcag tagaaaaggg aactgacagc 180

antnactgca aactgtctct tgctcctgaa cttcaatagc tgccttcctc accgcagatg 240

tctgtctccg agatctgcaa ccgtcttgct gactagggct tgggctagaa gagaagagct 300

ggattactcg ctgtttcctg cacttaancc ttggcaggag ccaaggtcta tggttttttg 360

agatgaagca tttgttacag ataattgggt agagtggagt gtatctgctt aaggggtgaa 420

gtttgttttt tcttgtctct gaaaactaag ccctcaa 457

<210> 6225
<211> 559
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (482)..(482)
<223> n is a, c, g, or t

<400> 6225
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atgcttttat tagtcataca gtattaatgc aggtgtcagg aaatgtcaac tataattcca 120

ttttttattt ttatttttn taagcttttg gaaaagttcc aggtcctcgt gtattgtgca 180

ataacagtga cttcctcagt ggtttgggga cgttcattgc cggcaatgga cgttgtaaaa 240

ggaagagttt tcttaactcc tgccacttgg tgattaatgc atgatagggc ctatgaaatg 300

aatttatcag ttgttgtggg attataagga aagtgaggga tccaacatta cattgaaanc 360

caccccaatt gtttatattt ggattctatg cactgtgatc ctaagnccaa cagcatgaaa 420

ttacatgcat ctttaaagga ccgaaagaaa gatcattgca tatttattta attgtttata 480

tnctgctgtc aaattgtttt gacatggaaa gttttcgagg aacattggca gagaggtaca 540

atatgttatc cctatggtg 559

<210> 6226
<211> 526
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (456)..(456)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (489)..(489)
<223> n is a, c, g, or t

<400> 6226
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cgtcccagcc tggagcctac aagagcggcg cccttggctg gatttggtta tggcttgcca 120

atttctcgtc tgtatgccag atattttcag ggagatctaa aactgtattc catggaagga 180

gtgggtaccg atgcagtcat ttatttgaag gccctttcaa gtgaatcctt tgagaggctg 240

ccagttttca ataagtctgc atggcgccat tacaagacca ctcctgaagc tgatgactgg 300

agcaatccca gcagtgaacc aagggatgca tcaaaataca aggctaaaca ggacaagatn 360

caagagtaat agaactttct agaaagctga gtgctntntc tgaagntctc tgaagaaaga 420

atacctntct gcaagtcaac cagagacgcg tatttntacc aantnttaac catgacggca 480

ctattgttna tcccaatgct tagttgcttt ctttataatg gctcac 526

<210> 6227
<211> 138
<212> DNA
<213> Mus musculus

<400> 6227
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cattcgtggg ggctacagca gctcctggat atatagctcc aggttacgga accccatatg 120

gttacagcac agctgccc 138

<210> 6228
<211> 327
<212> DNA
<213> Mus musculus

<400> 6228
gaacaacaat acagtacaat gcagaatgtt agagaaaaag ccttttatc ctgctttctt 60

tgaacacata cttacttgat caaaattatt tgtaaagaac atctttccta ctttttgatt 120

ttaacaaatg caaattcagt tctctaaaac ttgaaaacaa acaaaagaaa ccagttctgt 180

gaaacggtac ctcattcctg gaaataattt ataccagccc cttcgttgta gggaagtcta 240

gcagctcaaa gttgacgttt taagagagta tcagattatg taaagttaaa tttgtgaagg 300

atgtatagag tctcaacact gattaca 327

<210> 6229
<211> 289
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<400> 6229
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gtgctgggcc ctgagcagct ggttgtcttc gagacaagct tcctagagcc acgacaagca 120

ggctgctggt ggaaggtgga gcccgagatc cttggccctt cccattagct acccagacct 180

ctgactcctg ttcccgatac tctttgggtc ctggctcctt cttggacccc aagcctcntg 240

agagaggagg gaaggggggag actaaagaag caatattgcc ccatacccc 289

<210> 6230
<211> 137
<212> DNA
<213> Mus musculus

<400> 6230
tagatactac tttaggaaaa ccctgtttgt agtcgtgaaa gatgccaaat tggcagaggc 60

tcacgtttct tctctttaca ccaaacaggg gttacaggta gcgatggagg tagataccta 120

gaatcaaatc tgacatt 137

<210> 6231
<211> 337
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<400> 6231
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tgtcatttgg tttgctctct atcaatctga atagatgttt acatggaccg tnatgaccat 120

tttatcttta cagttctgta caagtccatc tgantccann ngtgtatcaa atgtgtgagg 180

tttatgacct tatttagaaa tgttttcttc ccttcatagc aatttaattt gtaaaacacc 240

tttaaggaac aaggcctttt agtttcctta tgagatgtat tatntntcag gcaaactgag 300

agatatgttt gggaaatcta taaagccatg agagcat 337

<210> 6232
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<400> 6232
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ggcgcctggg ctacgntgga agcagggagg ctgcaaagga ggcattgtat cggcggaacc 120

tggtggagag cgagctgcag cgactccgca ggtgaggccc atcctggact acaggcccca 180

cagcccgatg cnaggcagag ctccagggcc accgaacaga caagcagaca atcagcggac 240

agttggttct ggactcgccc tgtccaggcc ctcggcccca ggggcatcgg gacagcacag 300

tcaccccagc ctggctggtt gggccttgga gagtcctgtt tgcacatcca ggagcatctg 360

gagcaaggag ggtagctggg atgtgaaccc agagggccct ncaagcactt tacttcctgc 420

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ctggcttctt aggaactgta ctgacccagc tgc 513

<210> 6233
<211> 569
<212> DNA
<213> Mus musculus

<400> 6233
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ataccatgaa aaagactacg cttctgcctt agaaacattt gcagagggac agaaattaga 120

tagtacagat accaattttg acacctggat taaaagatgc caagaaattc agaatggatc 180

agaatctgaa gtgtctgcat ctcagaggac ccagtcaaaa atcaagtatg actggtatca 240

aaccgagtct cacgtaatca tcacccttat gatcaagagc gttcagaaga atgatgtacg 300

tgtgggattt tcagagagag agttgtctgc tttggtgaaa attcctgctg gagaagacta 360

cagtttgaag ctgaggctgc tccaccctat aataccagaa cagagtacat tcaaagtact 420

ttcaacaaag attgaaatta aaatgaaaaa gccagaggcg gtgagatggg aaaagctaga 480

gggacaagga gatgagccca caccgaaaca gttcacagca gatgtaaaga acatgtatcc 540

gtcctcatct cactataccc ggaactggg 569

<210> 6234
<211> 297
<212> DNA
<213> Mus musculus

<400> 6234
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aaacactgct ttgaatgcta cggctacgac atcatcatcg atgacaagct gaagccctgg 120

ctgatcgagg tcaacgcgtc cccgtctctc acatccagca ccgccaacga tcgaatcctt 180

aagtacaacc tgattaacga caccctcaac attgcggtcc ccaacggcga gattcccgac 240

tgcaagtgga acaagtctcc ccccaaggaa gtacttggca actatgagat cctgtat 297

<210> 6235
<211> 463
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<400> 6235
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ggcggatgaa gcgggctgta gcacacagcc ctcaccagag cagcacccct cccctcttga 120

gccacagcct gcctccccat ctgcatacat gttacggctg ccacctcctg ctggagccta 180

catccagaat gagcacagct accaagtggg gagcgccttg ctctggaaga ggcgagctga 240

agcagctctt gatgctctgg acaagaccca gcgccagctg caggncctgc aagcggcggg 300

agcagcggct taggctgcga ctgaccaagc tgcagcagga acgggcacgg gagaagcgag 360

cacaggcaga tgcccgccag actntgaagg accatgtaca ggactttgct atgcagttga 420

gcagcagtat ggcctgagag agggactaca tgcccaggct ctg 463

<210> 6236
<211> 492
<212> DNA
<213> Mus musculus

<400> 6236
agaggagtct tgtcatctcc atctctagcc tttacaacac ccatcaggac tttaggcact 60

ccaacacagt ccggaagcac tcctagggtt tctaccatga ggcctcttgc cacagcatac 120

aaggcctcca ctagtgacta ccaggttatt tctgacagac agacaccaaa gaaggatgag 180

agccttgtgt caagagcgat ggagtacatg ttcggttggt agtacagcag gagctggact 240

gagccgctat gctacagtag cagagggctg ccatgccatg ggttagttgt ataaccatcc 300

tggcagtgtg ggatacccat ctcggataca tcttttacaa tcctttggtt aaggaaacag 360

cccatctgta gcttgcactt taaaagatgg ccgtgataga cctgaagaga agatgcccac 420

atggcatttg tgcttctgtg atgtagtgca tgcttagtgc cgggtacccg gcgactactg 480

cggtcaatta aa 492

<210> 6237
<211> 508
<212> DNA
<213> Mus musculus

<400> 6237
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ctactgagcc agtttaaatc taagctcact caagcaatta ctgaaacacc tgaaaacagt 120

gttcctgaag cagaagtgga ggacgatgaa ggctggatgt cacatgtgct ccagtttgaa 180

gacaaaacca gaaaagtgaa agatgcaagc atgcaggact cagacacatt tgaaatctat 240

gatcctcgga acccagtgaa caaaaggaga cgggaagaga gcaaaaagct gttgagagag 300

aagaaggaaa ggcggtgaga gccagagcgg tgatgccaga gtggtggccc ctgtggggtg 360

tcctgtcaca gccatgtcta tggaatcgca gaggcggtgg gaaggctgtc agagcctgtg 420

ttctgatttt tcagaaaaca ggtctctcct tttgtaaatc tggaatgatg taagaaaatg 480

cttttggtta ctgatacatt tttcccta 508

<210> 6238

<211> 419
<212> DNA
<213> Mus musculus

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<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<400> 6238
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gccagctaag gccatagagt ttctcagtgt tttcagatca cttttggatg ggcagccttg 120

cagcacggag ctcctcccca cagtgcactg ttactgcttc tccaaagata gcgatcctgc 180

taaggatgtt cgtcagcagg cggaagctgt gctgggcgtt tccttggaga ccagtagttc 240

agttcatctc gtaaggaatg tggcccctaa caaggagatg ctgtgcatca ccttccagat 300

tcccactgct acactctaca ggaaccaaag cctcagtcta cagaangacc aagaaccacc 360

tcttanacgg cagaagacag gtgacccgtt ctcaggagaa ccacagatcg catcagatt 419

<210> 6239
<211> 425
<212> DNA
<213> Mus musculus

<400> 6239
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gtccgacagc ccaggacctg gcagggttct gggacctgct gcagctgtcc attgaggaca 120

tcagcatgaa gttcgatgag ctctaccacc tcaaggccaa cagctggcag ctggtggaga 180

cccccgagaa gaggaaggaa gagaagaagc cacccccctcc agtcccgaag aagccagcca 240

aatccaaggc ggcagtgagc cgcgacaagg cctcagacgc gggggacaag cagcgtcagg 300

aggccagaaa gagactcctg gccgccaagc gagcagcgtc tgtgcggcag aactcggcca 360

cagagagtgc ggacagcatc gagatttatg tccccgaggc ccagaccagg ctctaaggcc 420

gtgaa 425

<210> 6240
<211> 437
<212> DNA

<213> Mus musculus

<400> 6240
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catccggctg atggacagcg tggcgctgaa aggaggccga ggcagtgcct ccatggtcca 120

gaagtgcaag ctatgtgcac gggaaaactc tattgacatt ttgagcagca ccatcaaggc 180

ttacaacgct gaagacaatg agaagttcaa gacgatagtg gagtttgagt gccggggcct 240

tgaaccagtt gacttccagc cccaggctgg gtttgctgct gacggtgtgg agtcagggac 300

agtcttcagt gacattaatc tgcaagaaaa ggactggaca gactatgatg aaaaggctca 360

ggagtctgtg gggattttcg aggtcaccca tcagtttgtg aagtgctgaa ctgtctgccc 420

gcaaacttgc ctgtaag 437

<210> 6241
<211> 467
<212> DNA
<213> Mus musculus

<220>
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<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 6241
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cattgagtgg gcccacgact atgagctcca ggagctgcgg gctcgcactg ctgctggcac 120

ccttttttgtc cacctctgct cagaaagctc tacagtcaag cacaagctcc ttcaagagtg 180

aggcccgggg tgcacacgct gtctggaagg aattgcacag acacaggctc cctgatgtgg 240

gcctccttgg ctgttggacc tctggatcct gtgatactct gttggccggt acctactggg 300

ctccctcagc cctatacctg tggggctccc cagcctgtac ctggntnttc cctgacctgt 360

gtggtttgac cttataaaga agcatcctga gaagccctga agacacagtg tgcctgactt 420

gaggtcagat agcttccgat gcaggcgccc ttggtctgac cagaagt 467

<210> 6242
<211> 488
<212> DNA

<213> Mus musculus

<220>
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<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<400> 6242
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aacaacaaca aaaatgctat gactgactgt gtcttgaact ttgaaanant atantnttca 120

gtatatccaa ttgccaaagt tttgctgtct cttggaaaag gaactatgaa atcaactgac 180

aaggaaacgc attctataga caacagaatt taactggatc gcagacagtt attactgtaa 240

tttcttcttt atgaacatga ccatttgact gttcactgac tttctttgta tttacagttt 300

ccagagtttg acattataat aggaacaatc ttgctgtata ctttttaaaa atactgtgct 360

attctttctg gaactgttga aagacaatat ataaaatcga tgaatctatt gctcatcagc 420

tttatttttt aaacatacca cttattttgt tggaattgtc aaagactgta tttagatctc 480

atgctttt 488

<210> 6243
<211> 530
<212> DNA
<213> Mus musculus

<400> 6243
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caagagcaca aagcaacagg ctttggaagt gataaagcag ctgaaagaga agatgaagat 120

agagcgggcc cacatgcgat tgcgcttcat cctgccagtg aacgaaggga agaagctgaa 180

ggagaagctg aagccactga tgaaggtggt ggagagtgag gactacagcc agcagctgga 240

gatcgtgtgc ctcatcgacc caggctgctt cagagaaatt gatgagctaa taaaaaagga 300

aacgaaaggc aggggttctc tggaagtgct cagtctgaag gacgtggagg aaggcgatga 360

gaagtttgaa tgacaccgcc cggctcctca actggagcac gaccgaggac gcttgttcct 420

cacagcagca gctcgttctg tgacctgcca aacgccctgc tcacgcgacg tgccactttc 480

catcttgtgt taaacattta cccaggtacc tgggtatttt tgttgtcaat 530

<210> 6244
<211> 506
<212> DNA
<213> Mus musculus

<400> 6244
agcacaagaa gcacgcaggc gccgacggcg acgtggagaa gagccagaaa cacaaacaca 60

agaagaagaa ggccaagaag aacaaagaca aggagaagga gaaagatgac caaaaagtga 120

gatctgtcac tgtgtgaagg acggatgtgt taattgactt aattactaag tcatctgtat 180

taaattctgt tataatgtaa agagattcca gccttgtaaa taatgaatgg aagaccctgt 240

gctgcactta aaagtatttg ctgcttgatt atttcatttt tacatcagag ctttataacg 300

aacttttgta cagaattgtg agttgtgacc atggaacagt gagaggtttt gctagggcct 360

attattttta accaccatta attagttggg gtggagttta ctgtactgtg aaattttcac 420

atttgaattt ttttaattgc ctggcaaatg ctgatatcag ttcaaaaata tcagcagaat 480

gattgctgaa ctcattacag ccccgt 506

<210> 6245
<211> 227
<212> DNA
<213> Mus musculus

<400> 6245
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ggtcagcaga gacatccggc cgaagtaatg ccatgccaca cattaagacg tacatgaggc 120

cctcgccaga cttcagtaaa ctggcttggt tcctggtcac aagtgcgaat ctgtccaagg 180

ctgcctgggg ggcactggag aagaacggca cccagctgat gatacgc 227

<210> 6246
<211> 526
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<400> 6246
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cttgaagaca ttgatcagag cacagtttac gttattggtg gacttgtaga tgagagcatt 120

cagaagaagg tgacatttca aaaagcccga gaatactctg tcaagacagc ccgcttgcca 180

atccaggaat acatgatcaa gcgccagaat gagaaaaact accattcgga aatattggcc 240

atcaaccaag tgttcgatat cctgtctact tactttgaaa ctcgtaactg gcctgaagca 300

ctgaagaaag gagtttctcc aggaaaaggc tacgttcttc agaattcagc agaaggatga 360

gcagcctaag attccagctg caggggggtga agtgccagag gntgtcttga ccaaaggacc 420

aggcaaagtg tggcaatggc acacacttgc ctntacatgc tatctcggat ctttgaaagc 480

cattagtggc aaggaccaca ttttatgttg tcacccacaa tgccta 526

<210> 6247
<211> 291
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(68)
<223> n is a, c, g, or t

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<222> (95)..(95)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<400> 6247

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tangctnnca ggcgcggcag cgcccccaag tccantagcc tggattaggt acacagacag 120

gatagtcctc acagntacct ctttgtagtc ctgaaggcat tttaagccag aaggttctct 180

aaacaccaga gactcatcac accgcgagcc ttttgtgggg aaggggcatg gtttttatcc 240

aggaacctgg tccactcttt tccaaatgta taatcttgac ttggcaccac c 291

<210> 6248
<211> 357
<212> DNA
<213> Mus musculus

<400> 6248
gattaagctg atgtttgcag gactgttctt tttattcttt gtgaagttta gcattggaag 60

acaacttctc ataaaattcc catggctctt ttcctttggc tatttttcaa aacaaggtcc 120

aacacaaaaa cagatggatg agacatcatt tacaatgaca ttctttggtc aaggatacag 180

ccatggcact tgtgttgaaa agaacaaacc aaatatccga atctgcactc aagtgaaggg 240

accagaggct ggctacgtgg ctactcccat agccatggtt caggctgcca tgacttttct 300

gagtgacgcc tctgaccttc caaaaggggg cggtgtcttt acacctggag cagcttt 357

<210> 6249
<211> 533
<212> DNA
<213> Mus musculus

<220>
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<222> (49)..(49)
<223> n is a, c, g, or t

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<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<400> 6249
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gtgaacaacc caaagagcgt ctaccaggtt gaaaantttc aaacagtcat tgcagccngt 120

ggttctgcct cccccgtaga aagcatttgg cagatggtcg tgggttcctc ccgggggctg 180

cttgccaccc agtgcccaag agctctaagt ggtgccggcc agcttcgcgc agggtggaca 240

gatatcactg ggtcaacgca caactgttca gtggtcagac agcaccagga gagcctggag 300

aagaggcctt gtcttcccta aagcaaaaat gaggctaaag ccaagaaatg cccccagtag 360

aaaaaaatgc ctgcttcagg aatgtgagca cagaaggctg tccttgcaca cagaccagca 420

cttgactttt agctactttt aattcttatt taactttatg taaaatttta tgaacactag 480

tgaatatagg tgcctagaaa agtgatagaa cagagatgtt gccggtgata aaa 533

<210> 6250
<211> 469
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
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<222> (379)..(381)
<223> n is a, c, g, or t

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agtaattgga tcccaaagtt ctttggctat tataaagtat agacactata tagctaccta 120

taaacagtat agcagtgaaa tgtgtgcatt ttaagagatc tgcactcttg ggtcttgtca 180

gtggcataat ctctgacttg tttgaagaca ctccaagcct ttccaatgtc atcctgctct 240

cattacaaac cttcactttt ggaatggata ttttttgtgc atcatacaca tgctttttgc 300

cngtagttgc cttagtcatc tttctgcagt agcatctgga catcacaagt cctgctattc 360

attaatcaag gaaatctgnn nagagatgac agtgccctaa agtagtttac atcctttcag 420

aaagtatgtg taagtgcatg cttctatgca ccttcttatg tagtacttt 469

<210> 6251
<211> 468
<212> DNA
<213> Mus musculus

<400> 6251
agtgctgcac tcatggctct gcggagaggc tcaaggaacc tcgtcttccg ggacttcaca 60

gatgaaaaag agggaccaat aactaaacac atccgactaa cagctgcctt aatattaaaa 120

aatattggta aatactcaga gtgtgggcgc agattgttaa agagacatga aaacaactta 180

tcagtgctcg ccattagtaa catggaagct tcctctaccc ttgccaaatg cctttatgaa 240

cttaatttta cagttcagag taaagaacaa gaaaaagact cagaaatgct gtagtgaatc 300

ctaccccact gacacagtgg ggtctcaaag tcaaatacat ttcacatact gttactgaag 360

aaagcaccaa gtcttaatgg agcagagacc atagaatgaa ttattttgtg tcctccatga 420

tgctgagagg aaacttcgta ttctgatctc tgaacgaatc cctttctt 468

<210> 6252
<211> 506
<212> DNA
<213> Mus musculus

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<222> (195)..(195)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

<400> 6252
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taagtggcaa aactgtaccc ctcacagtga ccaagagcca gttttcccgt ccatccaaag 120

cccacaacca gaaaatgaag ctggcttggg gcagcagctg actccaacat ctgcctggta 180

actaggccca gggganagaag cgaagagtag gagaagagat gtttggcaga gtgtagtggc 240

ttgtgttggt cattccagga acctaagggc taaggcagga ggactgttac aagttcatgg 300

tctacatagt cccaagtcac ccagagctat acagcaaaat catatttcaa aaataagtca 360

tttgagtctt taatctaatt atgtcacatt taactgctac agagttgtcg agcaggtcct 420

ggcaaacact gactacttca gtactntctt cttttgcaga ctcagaggcc tgggtacaaa 480

taaggctaac tagcacctgc aacatc 506

<210> 6253
<211> 566
<212> DNA
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<223> n is a, c, g, or t

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<222> (381)..(381)
<223> n is a, c, g, or t

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<222> (402)..(402)
<223> n is a, c, g, or t

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<222> (407)..(407)
<223> n is a, c, g, or t

<220>
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<222> (448)..(448)
<223> n is a, c, g, or t

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<222> (460)..(460)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<220>
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<222> (539)..(539)
<223> n is a, c, g, or t

<400> 6253
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ccgaaagccc ctcacctacc aggctaagca gcttattgct cgggagattg aaatggagaa 120

gatgcgcagg gcagaggctt tggcctgggc tcgaagtggc ccccaggtgg accagggctc 180

ctcagggcct gcaagtctgt ggacagacag tggggaaaag gggacaaggc agcctgtccc 240

acgtaaccat gagcagcgcc tagaacacat catgacgaga gcaaccgtgc aggagcagcc 300

tgagagggac ttctttggac gtgtggtcat caggaaagtg gcagtcccga gcagagaggt 360

tgaggccccc cnagaaggac ncggacgagt ggcgcatggg tntggcnagt gggcaggagt 420

gaggtgtggt tccggttcaa cgagggcntc tcaaatgctn ttcggcncag cctgtacatc 480

agggacctgc tgtagcccca ctgccccagg acatcagatc gcactggctc ccacagggna 540

tggactaaag cagagacacc cggaga 566

<210> 6254
<211> 375
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
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<222> (240)..(240)
<223> n is a, c, g, or t

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<222> (242)..(242)
<223> n is a, c, g, or t

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<222> (247)..(247)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgaataatt gcggtttgca cttactgtat gtcagaccac atcactacat ctctatgcaa 120

gggggacaag gcaatgtggt ggtcaaggat cttttagcta acctagtcaa agacttttcc 180

agttgattaa tctattttca tatttataaa ggagtcttaa tgttttncct caagactttn 240

cnacctntgg nnnttgggag tggggctggt attgtagncc ctaggncctg ctctatgtat 300

gtntcaacag gtgatacaac cctttagtta atggtttata cttggactga ttttctttcc 360

tcctgtagct ggagc 375

<210> 6255
<211> 447
<212> DNA
<213> Mus musculus

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<222> (157)..(157)
<223> n is a, c, g, or t

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<222> (166)..(166)
<223> n is a, c, g, or t

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<222> (210)..(210)
<223> n is a, c, g, or t

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<222> (223)..(223)
<223> n is a, c, g, or t

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<222> (234)..(234)
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<222> (236)..(236)
<223> n is a, c, g, or t

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<222> (261)..(262)
<223> n is a, c, g, or t

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<222> (317)..(317)
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<222> (343)..(343)
<223> n is a, c, g, or t

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<222> (377)..(377)
<223> n is a, c, g, or t

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ccaggaaagg caggaaatgg agcccagtcc ctcatctccg ctcttcagca gcgacatgct 120

ggctcttcta gaaacctgga cgccgccgca ggagtgnccg cctgcntgaa gagtggaggg 180

gacaatgcaa cggatgattn tcaccctntn tgagcacaga cantttcct ttgntnttgg 240

caccttcgga gggagtagat nntggaagag gcggcagtga taccaacatg ggcatcccgg 300

ggtgggagct ggccctnatc cagactgtac cattccaacc ctnccttgga aggaggcgcc 360

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tatttgtgaa taaaccgatt gtgctag 447

<210> 6256
<211> 324
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (57)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<400> 6256
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cgatcttacg aagctgtggc ggcggcggct gcagcttccg catacaatta cgcagagcag 120

accatgtctc atcttcctca agttcagagc tcagctgtac ccagtcacct caactccact 180

tctgttgatc cttatgacag acacctattg cagaactctg gctctgctgc cacctcagct 240

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aatgcggctg tgcttcccgc agtt 324

<210> 6257
<211> 448
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

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<222> (52)..(52)
<223> n is a, c, g, or t

<220>
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<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcagcctgca gccactcaga aggccctgtg gagcgcgtgc acaccagctt ctggctgctg 120

acctgagacc aaactctgaa cttccaagct gaaggggacc atctttgcag agtgatggtc 180

tttggtcctg atcacagatt ttctgaagcc ctgcaactnt aaggcatcct tttgtttaca 240

ctcttagtat agcatttacc attattgctt aagtttttct gtggcctttg gngtacgtng 300

nncntntnnn ngnacnatcg gtaagaancg ncnnnnanag acccngtatg ggaaagaagg 360

ggaaacgtgt gagctggnca ccancctncc tnccaaagag ataatntcat gagttntact 420

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcatgaccac tacactgtgg acgtggtggt ggcctactac atcaccacaa gactcttctg 120

gtggtatcac acgatggcca atcagcaagt gcttaaggaa gcctcccaga tgaacctcct 180

ggccagggtg tggtggtaca ggccatttca gtactttgaa aagaatgtcc aaggaattgt 240

acctcgatct taccattggc ccttcccctg gccggtagtc caccttagta ggcaagttan 300

atatanccgg ctggtaaacg acacataaca gntctnccnn actagggaat gaagaacagt 360

ccgaagtgct aagaactcca tgacagaaga tgccataaag taaccacctc cccctgctat 420

ntntcaagtt accttgactt aacctattgc gttacctgct cagcactgtg atnttttttt 480

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<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caggcgtcag caagcagact gagcgtgaat agtgccgctt tccccacaca gtccccagga 120

ctcagtcctt ccactgtgac agttgaagga cttggccaca cagcgactgc cacaggaaca 180

ggcgtctctt caagtcttcc taaatctgca cagcttttga aatctgtttt tgtgaaaaat 240

gttggttggg ctacacagct aactagcggn gntgtngtng ggttcagttt aatgatgggt 300

cacagttggt tgtccaggca ggagtntctt ccatcagtta cacatcacca gatggtcaga 360

caactaggta tggagaaaat gaaaaattac ctgaatacat caaacagaaa ttacagtgtc 420

tttcttccat ccttctgatg ttttctaatc caactcctaa t   461

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<212> DNA
<213> Mus musculus

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gagcagctac ggctcagcac agtcgacatg actggggtcc caaccttggc caatctccac 120

aaaggagtcc agtttgctct caagtaccag gcactgggcc agtgtgtcta tgtgcattgt 180

aaggctggtc gatccagaag tgccacaatg gtggcagcct atctgattca ggtacacaac 240

tggagcccag aggaggctat agaagcgatc gccaaaatcc ggtcacacat ctccatcagg 300

cccagccagc tggaagttct caaagagttc cacaaggaga tcactgcaag ggcagcaaag 360

aattaactac tgattatctc tcatgctgac ttaagagtct gaagactgtg gataacaaag 420

aacttggatc tccctgagat atagtaacaa gtttacagga caaagcagct taacccgacc 480

acactgcaaa tgtgctgact ggtagataat gtgtctcctt tgccttc 527

<210> 6261
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<212> DNA
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gaataaaagg aacttgtctg gacccagaca aggaactgat ctggaagaat aagataaatc 120

ccagatgagg taccctagct tacattcccc agatgtggaa agtataaggg cactcggctc 180

tgcccaaaga ctacctctgt ctcagctact aagaattctg tccttacatt tgcaaagtgg 240

aggcccacct tcccaacact gctcattcat gagcaggagc agtattggtt gctaggcaac 300

cagatttttt ttttcccaac caaagatctt aaatcctgcc tagagggcca caggagggct 360

tgccccactc agaggattag actcctctcc cagagtcact cacaggcaat tatttcccat 420

tccactcagt tctggctacc agaagatgct cccctctcag ctgggtgagg ctgctgatat 480

ctgtcggatg ggtatcacag cgtaatttca tcatagggct tttc 524

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<223> n is a, c, g, or t

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tctgagccac taagacaaat gaagagggca aaataaataa gtttatgata agacataagt 120

caagggctaa caattattcc atatatgttg gtcctgactg aagtaatgac gttaaagtgt 180

tttgtggata gtagttattg actatatcta aaataatagc attaaatcta agttatattt 240

tcagaatcca atttaggaag tgattattat cacattatct gtaattacat tcaccgannt 300

tnnnggnnnn ngnttnatnt ttttggccga gaatctcata cttttcactg atttggaana 360

catgactgga tntttanaaa tnttcgttga caaagagcat taacaaanca ataactggat 420

catcactgaa cttaaaacnc aaaaacagta acgagcaagg gcgtcatttc agttgcagac 480

tgctg 485

<210> 6263
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<212> DNA
<213> Mus musculus

<400> 6263
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tcaatttccg gcataaaatg gctcagtatg cccagcgtgc ttcggtggct tttcatacac 120

agttgttttt caaaagcaaa ggaatagtaa gtgaagaagc ctatattctc tttgtaagga 180

aaaatgcaat tgtggtgtta attccaaagt atggcttaga aggtacagtt ttctttgaag 240

aaaaagataa accaaagcca cgccttgctt acgatgatga gatcccttcc ctgagaatag 300

aaggtacagt gttccatgtg tttgataagg ttaaagtgaa gatcacatta gattcatcaa 360

atcttcaaca tcagaaaatc cgcatggccc ttgtagaacc acagatccca ggaataaata 420

ttcctcctaa tgttgcagac aaggctctta ctgcaccagg gggaaagaag aggaagcttg 480

agaagtagct acgttcaaca gaacatccaa agactcaaca gcaacaaaat ggagagcata 540

cttacagact cctgtgcgat agctactttt a 571

<210> 6264
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<212> DNA
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<223> n is a, c, g, or t

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gcgctggggg tgacaatgaa gtgcagagaa ccatgctgga gctcatcaat cagctggatg 120

gctttgatcc tcgcggcaac atcaaggtgc tcatggccac taaccgccct gacactctgg 180

acccagcgct catgagaccg gggaggctgg acaggaagat tgagttcagc ttacctgact 240

tagagggtcg aacgcacatc tttaagattc acgctcgctc aatgagtgtg gaaagagaca 300

ttcgatttga gctgttggcc cgcctgtgtc caaacagtac tggagcggag attagaagtg 360

tttgcacaga agctggtatg tttgcaatcc gagcacggag aaaaattgct acagagaagg 420

acttcttaga agctgtaaat aaggtcatca agtncttacg ccaaattcag cgctactccc 480

cgctacatga catacaattg agccccaggg ctctgagtga aaga 524

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<212> DNA
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<223> n is a, c, g, or t

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<222> (431)..(431)
<223> n is a, c, g, or t

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<222> (465)..(465)
<223> n is a, c, g, or t

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tcttccagtt tgccatctgg actacagccc tgctgcatca gacagaaaca ctgcagccag 120

ctgtgcaatt tggtgggcag gagcatgctt tcatgtttgc caagcttgca ctgtatccct 180

gtgccagcct gctggccttt gctgccacct gcctactgag tcgtttcagc acagccatct 240

tccacctcat gcagatttca gtgccctttg cattcctgtt gctccgtctc cttgtacgcc 300

ttgccctggc aggccttcna gtcctacggg gcctctggcc acaccatccc caacaagacc 360

agagtgaacc tgaggcacag tcccagctct tgcctgaccc ctgctaatgc caagaaagcc 420

actcctgcct ntcctaggca tattgtaagg ggtcctatgg agatntctta gtacaagttt 480

attgtgacac tggggctgtg gatatattgg cctgggtat 519

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<223> n is a, c, g, or t

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<222> (270)..(270)
<223> n is a, c, g, or t

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<222> (343)..(343)
<223> n is a, c, g, or t

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<222> (346)..(346)
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<222> (432)..(432)
<223> n is a, c, g, or t

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agtgggaggt atatcatgac cagagactat ctgaccgtga aagtctggga cctcaacatg 120

gaaaatcgcc ccattgagac ataccaggtt catgactacc tccgcagcaa gttgtgctcc 180

ctctatgaaa angactgcat ttttgataaa tttgagtgtg tntggaatgg gtcagacagc 240

gtcatcatga cnggctccta caataacttn ttcaggatgt tcgaccgaaa caccaagcgt 300

gatgtgaccc ttgaggcctc aagggaaaac agcaaacccc ggnctntcct caaaccccga 360

aaagtntgcg tcgggggcaa gcgaagaaaa gatgagatca gtnttgacag tntggacttt 420

agcaaaaaga tnttgcatac agcttggcat ccttcagaaa acattatagc agtggcggct 480

acgaataact tatatatatt ccaagacaag gttaactaga aggacgagct actacttagt 540

ctcaca 546

<210> 6267
<211> 575
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (511)..(511)
<223> n is a, c, g, or t

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<222> (540)..(540)
<223> n is a, c, g, or t

<220>
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<222> (548)..(548)
<223> n is a, c, g, or t

<400> 6267
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caaatccaac attccctaat tttttcccca agactaccag atggtttaat agacttcaag 120

caattgaaaa ggaactctat gaattgggat tactcaagga tcattctttg gagaggaagt 180

attttcagaa ttttggctat ggaaatatta tccaggatga ccacattcca tttttaagaa 240

aaggtgtccc agttcttcac ctgatagctt ctcctttccc tgaagtctgg cacaccatgg 300

atgacaatga agaaaatcta catgcgtcaa ccattgacaa tctcaacaaa atcattcaag 360

tctttgtgtt ggaatatctt cacttgtaat gtttggattt agtttctggt aattgcttct 420

acagcaactt caagacacca tttatacaan ctgcttccag ataaatgtgt gtagacttct 480

ntcctataga ttcattctgt aggtgttttt ngaatatgtg atcagcgaac tgtagaattn 540

ctatgatncc ttcactaatt ttcctctaga gatga 575

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (203)..(203)
<223> n is a, c, g, or t

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<222> (209)..(209)
<223> n is a, c, g, or t

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<222> (258)..(258)

<223> n is a, c, g, or t

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<222> (345)..(345)
<223> n is a, c, g, or t

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<222> (424)..(424)
<223> n is a, c, g, or t

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cctgctgcca gtganaacta catgaaatta aagagattgc aaatagaaga atcttcgaaa 120

cctgtaaggc tctcacaaca gctggacaaa gttgtnacaa ccaattacaa gcctgttgct 180

aaccatcagt acaatattga ntnatgaang ganagaanaa nagaggatgg aaagcgagct 240

cgggcagaca aacaacangt cctagacatg ctgttctctg cctttgagaa gcatcagtac 300

tataatctca aggacttggt ggacatcaca aagcagcctg tgggnatacc tgaaagaaat 360

cttgaaagaa attggcattc agaatgtaaa aggaattcac aagaacacat gggagctgaa 420

gccngagtac aggcattacc aaacagaaga gaagagcgac tgagagactc gtgtgcta 478

<210> 6269
<211> 370
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

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catgattaac atcccagaag agcaacaaaa acttattgac aaacgcaaag atgtcatgat 120

tgacatccca gaacagaacg caattcctga taatagccaa tatcaagacc aggaacaaat 180

agttacttta caggctttat ttccttcaac agaaacatct gaaaatagca tgattgacac 240

ctcggaatca cagcaggagt cttctgattt atgtaccgaa tcttctgatt catctaccga 300

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ttcaaaatgt 370

<210> 6270
<211> 536
<212> DNA
<213> Mus musculus

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ttcggaagca gatgttaggc ataatggaca ggcacaagct ggacgtggtc tcctgtggca 120

aatccacagt ccgagtgcag aaggccatct gcagtgggtt cttccggaac gctgccaaga 180

aggacccaca ggaaggctac cggactctga tagaccagca ggtggtgtat atccacccct 240

ccagtgctct cttcaacaga cagcccgaat gggtggtata ccacgaactt gtgctgacca 300

caaaggaata catgcgtgag gtcaccacca tcgacccccg gtggcttgtg gagtttgctc 360

cggctttctt caaagtttct gacccaacca agctaagcaa gcagaagaaa cagcagcgcc 420

tggagcctct gtacaatcgg tatgaggagc cgaacgcctg gagaatctcc cgagccttcc 480

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<212> DNA
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<223> n is a, c, g, or t

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<222> (242)..(242)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agtacccagt aagaaaggct ttacaaatct tgtctttgtt ccactcggtc accagcctcc 120

atatgaccaa agcccacagc acttcctgtg tccctactaa tgcatgtgca atnnacagag 180

atcctaatnt atcattcaaa gcactggccg gttaaaagaa gtggggatgg gtggccagat 240

cntntgggtc ccagcctnct tctcctccaa agctgggcat gntttgtcaa gttctccttc 300

tgtttagccc tttggtacca cagcaccctg tagttttctt agggaatttt gaaggnntga 360

gagcagaaac ctctcatcac atgaagacag ggcatttcca ccaggatccc aaggtccctn 420

tggctcatat cctaccagcc ttcctgagtg acttcctgtt tgtgcattca ggtcatggca 480

cttggctaca g 491

<210> 6272
<211> 410
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taatggacag gccaaaaccc acactgaaaa ttccgaaaaa gtccttgagc cagaagctgc 120

agaagaagcc ttggaaaatg gaccaaaaga ctctcttcca gtgattgcag ctccatcnat 180

gtggacaaga ccacaaatca aagactttaa agagaagatt cggcaggatg cagattctgt 240

gattacagta cgtcgaggag aantcgtnna ccgtccgant cccgantcat gaggaaggat 300

catacctatt ttgggaattt nccacagaca gttatgacat tgggtttggg gtttattttg 360

aatggacaga ctntccaaat gctgctgtca gtgtgcatgt cagtgagtcc 410

<210> 6273
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<223> n is a, c, g, or t

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tataggaggt gtcctggcag agttacataa agcactttaa gtcaagccgg agtggtaggt 120

aagtcctctg cacaggagcc ttgccttggg tgagtgattc actgggatca ttcaggacaa 180

aggagaagtt tccaggaccc agagtgatga ggtgacaaat actattgggt ctaccccgga 240

gcttatcatc tatcctctag ccntgctntg naagactgta ggaggcttnn ctggnctgag 300

ggaaggngca tgagctcagg gtccaagccn actnttctgc atccaancaa gcaggtggcn 360

actggcttgt gaggagctga agagtggtct gtgcccataa 400

<210> 6274
<211> 522
<212> DNA
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taccttcatt ccttctgata atatattttc catgattttt gtttattttt gttaacattt 120

aaaacatctg tgtggcatga aaactaaggg gaagataaaa tttctacatg tgatactgtg 180

atactatagg tttaactcaa gaggttgata gagcgtttgt tataagacgt aacgtaacct 240

actgttcatg tttgctctgg tctgaagtgt ttagctgttg agctggattc cttaggagac 300

caaattaaga tggcttaaat tacatcttaa aattttcatt tcctgtagtt aattctgcat 360

gtattagtct tagaagtaaa cacaagttaa aacaacctga caggaattcc ccaagtggct 420

tgttttccaa agtcccgaga acaaccctaa gtttcctagg tcttgtaact cagcaaggct 480

tgtgaatgga aataacagtg cccaatcaca ttctgcttta aa 522

<210> 6275
<211> 384
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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aaagccttca tggaggcttt gcaggctggt gcagatatct ctatgattgg ccagtttggt 120

gttggttttt actctgccta tttggttgct gagaaagtga ctgtcatcac gaagcataac 180

gacgatgagc agtatgcctg ggagtcctca gctgggggat ccttcacagt gaggactgac 240

acaggtgaac caatgggtcg tggaacaaag gttatcttgc atctgaaaga agaccaaaca 300

gagtatttgg aggaaaggag aataaaggag atcgtgaaga agcattctca gttcattggc 360

tatcccatta ctctctttgt ggag 384

<210> 6276
<211> 517
<212> DNA
<213> Mus musculus

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tctaaatatt tcccgtgaaa tgctgcaaca aagtaaaatt ctgaaagtta tcagaaagaa 120

tttggtcaag aaatgcttag aactatttac tgaactagca gaagataaag agaactacaa 180

aaagttttat gagcagttct caaaaaatat aaagcttgga attcacgagg actctcagaa 240

tcggaagaag ctttcagagc tgttgcggta ctacacatct gcttctgggg acgagatggt 300

ttctctgaag gactactgta ccagaatgaa ggaaaaccag aagcacatct attttatcac 360

aggtgagacc aaggaccagg ttgctaactc cgcctttgtg gaacgtctcc gaaagcatgg 420

cttagaagta atttatatga ttgagcccat tgatgagtat tgtgtgcaac agctgaagga 480

atttgagggc aagaccttgg tgtctgttac caaagaa 517

<210> 6277
<211> 136
<212> DNA
<213> Mus musculus

<400> 6277
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tcgtcaaaga aaccaaggag aatggggaaa cagaagtgga tgcctgtacc ccagcagagc 120

caggttggaa ggcagt 136

<210> 6278

<211> 266
<212> DNA
<213> Mus musculus

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agagctatgt ccagaccggg tgcacctccc tgaagctgat cctgcagcgg ttcctacccc 120

tcatcactga cattttggca gccccgccct ctgtgggtgt ggacatcagc cgagaggaga 180

ggttgcacaa gtgtcgactc tgcttcaaac aactcaagag catcagtggc ctcgtcaaga 240

gcaagtcggg tttgagtggc cgccat 266

<210> 6279
<211> 555
<212> DNA
<213> Mus musculus

<400> 6279
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cacctcgagt ggtgatccag cccgacatct acccagggaa ttgctgggcg ttcaaaggtt 120

cccaggggta cctggtggtg cggttgtcca tgaagatcta cccaaccaca ttcaccatgg 180

aacacattcc aaagacacta tcacccactg gtaacatctc cagtgccccc aaagactttg 240

cagtctatgg actggaaacg gagtatcaag aagaggggca gcctctggga cggttcacct 300

atgaccagga aggagactca ctccagatgt tccacacact ggaaagacct gaccaagcct 360

tccagatagt agagctccgg gtcctgtcca actggggcca ccctgagtac acttgcctct 420

accggttccg agtccacgga gagcccatcc agtagagcac tccagccatg tacatgtctg 480

tatataccaa gacgccataa cactggaact cattgagaaa gagagcacgt gagcatagga 540

acttgtcagc caccc 555

<210> 6280
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (241)..(241)
<223> n is a, c, g, or t

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acacagggga aacanacnga ctcttttcaa agaagtttac cccctcttcn actcaaccct 120

gaagacactg tcataaattg ttgnacngtg gaanttagta ntcccttnnn ngatgttntc 180

attcattaca tctgtttcat gttnaggtgt agtgggcgtg gctgttgaag gaagtttgca 240

ntcttgcagc ttttattccc tgtgcaacaa aagcttagaa cctgttaaag ggatattaaa 300

acaaagttgt agaatacaaa cagtaattgg ccatgcaaa 339

<210> 6281
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (407)..(407)
<223> n is a, c, g, or t

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<222> (424)..(424)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (442)..(442)
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<223> n is a, c, g, or t

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gatggangga gtcctggccc ctcctccact ccgtggagcc agcttagggc tacagcgctc 120

aaagcaagaa aacgccttcc ccaaggagcc tgcacagtgg gaagtggccg tgccctgttc 180

tcactttagc aaagatcttg ggctggagca tggggtaggc ccaggaaagc ccctggggtt 240

ctggaaggtg gctccagctt cacgtctgcc aaccatgtgt gttcccagct tgcccgcaga 300

gccctgtgcc ccngtgcaca ncctgcacag gtaacacaga gcctgagagt tacagcgggc 360

acacgggaga gttagttgta agcaccgata tcaacttgac ccctttntct ttgacctagg 420

gctntctntc ggtcacctag antctgcttc ccggcagtta tntcatagct gctgtttgat 480

gacatctcag ca 492

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<223> n is a, c, g, or t

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<222> (265)..(266)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atgcacacag cccaaccagg gcccgacagg cggtgcaggt tctccaacct gggcgagatg 120

gaacaggact tggactaggt gggggctctc caggggcttc aactccagtt ctacttcccc 180

ggggcggggc ttctgagcgc caaggtgagg ctcttcgagt caagaatgct gtctactgtg 240

cagtcatttt ncctngagtt tnntnnaagg agttggctgc catnntccca ggcccatgct 300

gtcacctcnc ctttcttgtt ggatacttca gaggaggtat ntcttcctcc catctcaggc 360

tttggncccc tcaatcctta gttttcttcc atggacaatc aggnccttct gtggcctggg 420

ctgaaatcca ggacacgggc tcctttt 447

<210> 6283
<211> 364
<212> DNA
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<222> (328)..(328)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tagtggacgt gttccgaaag ctgcccttcc aggcggtcac cgctcaactg gcaggcgtga 120

agtgcagcca ngtggtcgga ggaggcttcg atggtgtttc gaaatcacgt ggagaagaaa 180

gccctggtgg cgttggtgca gacagttgtt gagcacacta atccttggga ccggaaagtg 240

gtgctctatc tcgtagacac gtcgctgccc gacactgaca cctggattca tgactttatn 300

tcacagtatc tgctagagct ttcgaaangt taattnaatc actgcttgag atgttgaccg 360

ctaa 364

<210> 6284
<211> 445
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 6284
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ccaaactaac agagcagtta gctggaccac tccgacaaat gcaggaatgt gctaaaagga 120

ttgcaaaagt ttcagcagag gcaaagctgg agattgatga agaaacttac ctaagctcat 180

tcaagcctca cctgatggat gtggtgtata cctgggcaac tggggccaca tttgcccata 240

tctgcaaaat gacagatgtt ttcgaaggca gtataattcg ttgtatgagg cgtctggaag 300

aactgcttcg acagatgtgt caagcagcaa aagccattgg aaacacagag ctggagaaca 360

aatttgctga angnaattac caaaatcaag agggatattg tatttgctgc cagcctctac 420

ttatagagtt cagcgttatc cacca 445

<210> 6285
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccttacaaat tgactgcaga acagggtccc ctcacttaac tctggaacac agacaggcca 120

tggcttccat accctcaagt gagcaagaac acttgccagt gttaaaccat tctccgccct 180

agagtagcca gcttttctac agaagtcctt tctatgctgg acacatcggt gcacttttgg 240

tgcatatttt ttagtgatag ctataaagta aaagcagggg gtggggtgnt cgtgtttgca 300

ggagggncct ntncactaag cgtagggttt gctggttggt tcactggcnc agtactgatc 360

cacaggcagt tgtncccctа tggaggagtt taccccagca tggttgtaat tttttcccca 420

gctantcaaa aatcagtact aagtttccag aaaactggac antctgcaac nccaaagggg 480

cagagtctgt atctcgggtt gtat 504

<210> 6286
<211> 471
<212> DNA
<213> Mus musculus

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<222> (45)..(45)
<223> n is a, c, g, or t

<400> 6286
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accgtcagaa gtccacgtga gggtgggccc atgctcctgg gttcttcacc aaccaccttt 120

ctctgtggcc ccaagagtag tcctaggaag cccaccacgt cctacgggag caagacctcc 180

aaccggccta tttggtgacg tgactaatgg agatgtaata tagaaaccag gctccatgca 240

tagattaagg tgtccccagg gactcaagag tgcaaggaca agcccctggc actgtccggg 300

gagatgtaca gagaatctac aacaggccag tgcagacttc gctgactcct tttgaaggac 360

ccccctttgt ctcttagcac ttgttagaga acatcagcgg ggccacatca gtcgccatgt 420

ttcagtttca aacccacagg ctctgcagct tttccaagta cattccactc a 471

<210> 6287
<211> 164
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 6287
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tcaagaaaga ctgcaactgt tacttcccag gtcatngtgg gtctgctagg ttcagtgatg 120

gcangttcac atctgtatcc aaggaagttg ttatctggca gagg 164

<210> 6288
<211> 287
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ttcattaact ttagccgggt acagcgggcc tgaancacta catgcactgc ctttgggagt 120

gggcctgctc cttccttacc ccatgaggag ccctgtctga ggcttcctgg gcagactcan 180

cagtaggggc ccttcccagt cgtctcctcc ccttgtcttg gcatcagttg ttttctatga 240

aaacagtggg ttggttttgt gaagggtctt gggttagaac cacaatg 287

<210> 6289
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (306)..(306)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (339)..(339)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (388)..(388)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (451)..(451)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 6289
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antanctttg gggccantna gntnaacagn nagcctggaa cttgctctag agcaagagtc 120

ctnnnttcta cctggtcaac aaaggccctg gtccatggtc tcccttgtgc tcaatctcag 180

caccggctag gggaggtatc ttggtatctc ggtactcttt ctccactctt tntggggtag 240

gncagnancc ccntgaganc ccngtngtnc cncnnnccac tnacancanc ataantgaag 300

gatntnataa taccnacnan ntntnncaaa gtggtgggnt ctagantcag cactgancca 360

tttccttgg ancttcctt taaccacnca ggactataaa ctgaatggtg tatacatgac 420

antcacagat tgccctttg cgnccagaga ncccaacttg gagacctgta ccccaggtgc 480

cagggtgctn tcaccatggc tcccttgagc aaatggaaca aat 523

<210> 6290
<211> 545
<212> DNA
<213> Mus musculus

<220>
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<222> (408)..(409)
<223> n is a, c, g, or t

<220>
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<222> (471)..(472)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<400> 6290
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tatcctcagg gacctgtgct gctccaccct cgtgtcccac ttggttgttt agttgaggca 120

ctttataatt ttctctactg tcccacactc ccgttggctt tatttccctg ctgtctcctg 180

tcctttgcag cgtgaccccc actctttgcc aactcctcct tcccacaggc actggccaag 240

ctttagggca ggttctcttc tgagggaact gggtggtgtc aggccagcag tgctgtgctt 300

gggtcactgt cgccttgaac ctacactgta cccttgtcca gctcagcact catgatgcag 360

gacagcaggg tcccctagca ctttgccagc actgaggatg gcatgttnnt cttctctttt 420

ggaggcgagg gacttccctt ctgtattagg ggagaagaac agaacctact nntnctggac 480

cacagttgag actccctgct agggtgtaaa gtggatagta agatctgtgt aggtgttaac 540

tggaa 545

<210> 6291
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
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<222> (288)..(288)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<400> 6291
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actgaaatgt tcctaaacat ttttatatta acttattaca tgcaatagca ttaggtttta 120

aatcaagatt ttgcttttat tattttcata cattttcaga gatgaagatg caaggagctt 180

ccttaatacc tcagataatt caaataagag ttctatccct gcaacttatt gttaacctga 240

gtagaaaagt cagtgtttta ttacaattga gaaacagact acctntanca attattccna 300

tggagactaa agcatccaca ttntacctta gacgancagt gagttctttc nagacgtagg 360

gaaatgagca tttttactaa tgatttctag ttcctctgct ctcacgtatg tt 412

<210> 6292
<211> 86
<212> DNA
<213> Mus musculus

<400> 6292
gatctattca gatgaagtgc ttcccactgc tgacacaacc gtgtaaagct tgactacatc 60

agaacacaca gttgtaaaat gatttt 86

<210> 6293
<211> 347
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<400> 6293
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cttgcagagg tcctcagcag gcttctggaa ggggaaggac gcttctcgag aaatgtgcca 120

ttgccacata attatcacat tgattttgaa atcagaatgg atactaacag gacccaagta 180

ttttcatttt ctgatgtaga tgcaagttct gccacaaaca tgcagagagt agcagtgctg 240

tgtgttccta agtctgttta ctgtttaaat tcatnccacc ccagaggatt gatggccatg 300

aaaatccgac atttgaatgt aatgggcttc catgtgatct tgatcca 347

<210> 6294
<211> 274
<212> DNA
<213> Mus musculus

<400> 6294
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tggatctgta tggtgctcag aaggtagtgg accggctacg gaagtacgag tctgcctatg 120

gaacacagtt taccccatgc cagctgctcc tcgaccacgc taacaactct agcaagaagt 180

tctaccagtg acaggccctc ccaccctacc ccaccatgca ctaacccaga cctggcagtg 240

ccgcttctca gctgtgctgt ccaaattatc agga 274

<210> 6295
<211> 391
<212> DNA
<213> Mus musculus

<400> 6295
aaaagccggg tagcctttgc tcagatgacc atgccttgcc ccaacttcta tattctggat 60

gaacccacaa accacctgga catggagacc attgaagctt tgggccaggc tctcaacaac 120

ttcaggggtg gtgtaattct ggtatctcat gatgagcgct tcatccgact ggtgtgcaag 180

gagctgtggg tgtgtgagaa cggcagtgtc actcgggttg agggggggctt tgaccagtac 240

cgggccctcc tccaagaaca gttccgccgg gagggcttcc tctagagccc cagttgagta 300

aggactgtgc ctaggacgtg gactggtttt ggaagatccc tgagctacca tgtaggcaac 360

caactccaag cttaggactt tccctacttg g 391

<210> 6296
<211> 322
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(266)
<223> n is a, c, g, or t

<400> 6296
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cacaccatac tgcacagcac cggacagtac caggagtgcc tgcagctggc cgacatggtg 120

tcctctgagc gccacaagct ctatctggtg ttttctaagg aagaactaag gaaactgctg 180

cagaagttaa gggagtcctc tctaatgctc ctagaccagg ggctcgaccc gcttggctat 240

gaaattcant nataactcac cattnntctg atgcccatga ctagaggagg atgcttgctt 300

gcttcgttga gttgcttggt tg 322

<210> 6297
<211> 224
<212> DNA
<213> Mus musculus

<400> 6297
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ctcctggccc ctcaattcca ggtgccccac agccaatccc aagactcttc tttgctggag 120

aacacacaat ccggaactac ccagctacag tccatggtgc tctgttgagt gggcttcgag 180

aagcaggaag gattgccgac cagtttttgg gagccatgta cact 224

<210> 6298
<211> 323
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<400> 6298
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ccaggtgtcc ctgcacagca gtccccaagt atgtgagaca gatggttctg aacagagaga 120

tccaacggca tgtcatctgc cacgtaagca agctcttcta gcaatactag atcctactga 180

gaaactccat ntcatcagct actgggantc ctagtttgac agcagaggct ggctcctttg 240

gctgacagca acttacccat tgatttggaa gtacagctcc ataaagactg ctcgagaagc 300

aagtggtgtg agataacctc tta 323

<210> 6299
<211> 488
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<400> 6299
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gccagagcct gttntgtaga aatcccagat ggattattag ctgatgggag caaagnaagg 120

attattagca ctgctagagt ttgctgagga gaagatgaan agtgaactac gtcttcatct 180

gcttcaggaa gggccgggaa gacagagctc cactcctgaa gacgttcagc ttcttgggct 240

ttgagattgt gcgtccaggt catccctgtg tcccctctcg gccagatgtg atgtttatgg 300

tttacccccc ggaccagaac ttgtctgatg aggactaatg gtcacagagg atgctttgcc 360

taagagccac agtgggggaa gaggggaagt taggcagcct tgggacagag gagagggtct 420

ctggctgtct agggaaggac attgaggggc tcaggttgag ggttgcccat tgtgttctcg 480

gagttgac 488

<210> 6300
<211> 247
<212> DNA
<213> Mus musculus

<400> 6300
taaagtttta atgtctctgt aagcatagct gctccacctg gctttgtgtt cagtgttcta 60

ggttggccca ccttggggga gaggggacag gcttggatat ttgagttcct cacatactgc 120

agttattttt gttaacaacc aattacttcc ttgctttgtt ttgttgcctt gcctgtaggg 180

aggtaaagtt gcttaattag ttaatgtata aaaatacatg ccattgcaca ggctgcgtgt 240

gacagca 247

<210> 6301
<211> 403
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (36)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<400> 6301
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aaaacaagca aactcacatg tttgagttct tctgctcctg aatttgttat ttttttgata 120

cttgcttcta ttacctttta tatatatatg gttatcctag tgcaaaaatt cattagactt 180

gattccctta ancnagttag aagtgtgaag gaggaagaca ttggctgaag ctctcataat 240

actagtgggt tagtagtcac tgtgcattga cagacttgtg ttntctatgt agctntcagt 300

tagttagaaa gctttactgt tccactgtgt acattaaggc atgtgttggt atatatgtgt 360

attctgtgtc tantcacagg ctctccagta cctgacatgt gta 403

<210> 6302
<211> 402
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<400> 6302
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ccgatggaag ttnngggagc agaaagaact tcccctgaac ctcagagaga gaatgcttnc 120

cccagcccct ggaacaacag cagaagaagc catgtcccga ggcccgcccc ctgctcctga 180

aggaggttcc cgagatgaac aggatggagc ttcagctgat gcnnagaanc cctgggcagc 240

tgcagtcccc cctgaatggg tccctattat ccagcaggac attcagagcc agcggaaggt 300

gaaacctcag ccgcccctga gtgatgccta cctcagtggc atgcctgcca agagacgaaa 360

gctccggtct gatatccaaa aacgactgca ggaagatccc aa 402

<210> 6303
<211> 181
<212> DNA
<213> Mus musculus

<400> 6303
gttgcgtgtg aacacgagca ctccaactgc ctcctgatcg gacacaagaa gtttaagatc 60

gatggagaat ggtggacatg gatcaattac agccgcttcc aagagctcgt tctgcagtac 120

gaagagagtg gaggctccaa gacgttcagc tcgagggatt acatggccag aaccccacag 180

t 181

<210> 6304
<211> 481
<212> DNA
<213> Mus musculus

<400> 6304
gaaaactacc agatgctcac attgggagga gatgctgaac tggagcttgt ggacagttta 60

gatccttttt ctgaaggaat catgttcagt gttcggccac ctaagaaaag ttggaagaag 120

atctttaacc tctcaggagg cgagaaaacc cttagttcct tggccttagt gtttgctctt 180

catcactaca agcccactcc cctctacttc atggatgaga ttgatgcagc tctggatttt 240

aaaaatgtgt ctattgttgc attttatata tatgagcaaa caaaaaatgc ccagttcata 300

ataatctctc ttcgaaataa tatgtttgag atttcagaca gacttattgg catctataaa 360

acatataata gtacaaaaag tgttgcagtg aacccaaaac aaattgcgtc taaaggactc 420

tgttgaagtt gttcacactg aaaattttca aatctagatt gggtgttcta gttttgtctg 480

t 481

<210> 6305
<211> 393
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

<400> 6305
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anggagagtt aacctgtact atgtcagcat aaaaagccca tctccagatg tgcccaggtg 120

tgacaggggg ctatgacctt ccacttaaaa agcatgttta actggatgct gagagcctac 180

tgtgtatgtc aagaagctac acaagcatgt tgtggatatg tgtaaagtat agtccaggta 240

aaacactttg ccaagtttca atagacttca cctctccctc agacttganc ctttacactc 300

aggagggttt gctccaagca tgagctcttg tattctactt acataggtct aatttatacc 360

aagaatcagg tagaataaat gtgcccacac cct 393

<210> 6306
<211> 489
<212> DNA
<213> Mus musculus

<400> 6306
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gtttagagaa aagaactgtg tagcatgtgc agggaactgt gaaggaagac tgagaccgcc 120

tggaaacctg tcaggggctc acaccacgaa ctctcagaag ttgggcaggg gtgctggctt 180

tgttagccgg ctttttttggg aaatgctttt tttgacctgt tatataaatg aagtgggtat 240

gaggtctcag ctacccagca gatggaacat cgcccaggga cagcttgggg tttccaggta 300

agaaccctag aaaggtggat ttaatcctca caggttttgt tttccaaatt catttgcttt 360

tatttttcta agaactgtaa actctatttt ttcatgttct cagggcccct gggtagacaa 420

acaaagcttg atttcagagc agaaataggc caagaaacca tggcgttgcg tgtgctgagt 480

ccagacaaa 489

<210> 6307
<211> 195
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (48)..(48)

<223> n is a, c, g, or t

<400> 6307
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acacctgcca gtcagaacga cctctcggac ttccgcagcg agccagccct ctatttctga 120

cccctgcaac tgtcaggatg gccaagactt agccccaggt gtggtggtcc tggaagccag 180

tcaataccca ggagc 195

<210> 6308
<211> 417
<212> DNA
<213> Mus musculus

<400> 6308
tattggcagc tgatcaaact cttcaggcag gattcctgtg gactttgaga tttcctgtta 60

cctcatcttc ttttttaaag tacacctgac ttgggagggt actgtctcta atgtatattt 120

ctagtgttta cagacactaa gtgtgtatat gtagtaacta tttacagacc acgcatcctt 180

atactgtgac ttcacctaga tcttctacca agctgaagac cctgctggct ctgaaacaat 240

ccttgcagtt actccccagc tgttcgtctg gacagctcat tcaagtggat ttttaactat 300

tagggatcac tgcgaagttt cgttggattt tattttatgt ccttcagagc accctccccc 360

acccactagg gtccagaaga gcaatggagg aagtgacagc taatggtgca gttctaa 417

<210> 6309
<211> 511
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(439)
<223> n is a, c, g, or t

<400> 6309
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gtttaaactc atcacttcag ataaaaaggt gcaggctatt ctggtcaaca tttttggagg 120

aatcatgaga tgtgatgtta ttgcacaagg aatagtcatg gcagtaaagg atttagaaat 180

cagaatacct gttgtggtgc ggttacaagg tacacgagtt gatgatgcta aggcactaat 240

agcagacagt ggtcttaaaa tccttgcttg tgatgatttg gatgaagctg ctaaaatggt 300

tgtaaagctc tnctgaaata gtgaccttag ccaaagaagc ccatgtggat gtgaagtttc 360

aattgccaat atgagcaaga ccttggtgga tggctacggg tattaatgtg ctgtaattct 420

ttattatact gtggtctnnt cctagtgtcc cttttctttt aatgtgtgga gaatgtaatc 480

accacatagg cacacatacc tttgaaagca t 511

<210> 6310
<211> 402
<212> DNA
<213> Mus musculus

<400> 6310
gcacatcttt gtgatctagc cttgtctctt taggaaagcc ttcagtcttt cagagaggac 60

ctagaacatt aacagtgttg agataataca tgctgggtag tctctagtca gcaagtgcac 120

atgggctcgc ctgacgagat cacgagatcg gttcttctgc ccacaggagg aaggatcgga 180

atgatggttt gttttctttc tttctttttt gaaatgtagg tttactttat gaaaaccatt 240

aaaatgttgc tagctgaaag caacaagtag ttccaaatgc attgtgggtt tcagttaggc 300

cttcccagtt gtcttccttg ttgctgaagg tcctcaccag ctgagtgtag aggataccaa 360

aggaattgga agatgagaag gcttattagt cactccctgt ga 402

<210> 6311
<211> 220
<212> DNA
<213> Mus musculus

<400> 6311
aattctggca ttccatcgag ccgaagaggc tgtgttcagc agtggggagc atgagatctt 60

tgtccagttc tgcactgcct tcctggaaga ccttgttcct tatttgaacc gctgtcttca 120

agtccttttc ccaccagctc agatagccca gactttaggc atttcaccca cccagctctc 180

taagcacgga aaccttggac acgtgaacat cagcgccatc 220

<210> 6312
<211> 185
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (44)..(44)

<223> n is a, c, g, or t

<400> 6312
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gctgccattt gatttcctaa cttgttctga agtgttccct gagtactgat cacttttct 120

tttgagacat atgacaaagt cacaaagtct cagactagaa gtagcctagt actatcatgg 180

tatta 185

<210> 6313
<211> 254
<212> DNA
<213> Mus musculus

<400> 6313
gtcctcggaa tggagaatgc tcatcaatta tgtaggttct ctcatttcat tcatctcacg 60

ttattttgag ttcttcccca aaggctgttg agtttagcat tagtagggcc atgggtcatg 120

aatctgaagt tttgaccgcc ttgtgtctag agagccatga agagaaaagg atcaaagggg 180

gcaaagtctc agagttaacc tagaacctga cacgctcaac cacactgcag atgtctgtat 240

ctccacagac tgga 254

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gctccagtgg aaaatgacaa tagttatgat gaactgaaaa gagatgcaaa gctctgtttg 180

tcactaatgt ctcagggntt gctgtaccct caacaagtgc ctttgatact tcaggtgcta 240

agccagacag caagaagcag ttcttggcat gcaagatata cagtgctgac ctacctccag 300

accatggtat tttataacct ctttattttc ctaaacaatg aagatncagt taaagacatc 360

agatggctga ttatatncct tttggaggat gaacagttag aggttcgaga aatggctgct 420

accaccttaa gtgntnntgt tacagtgtaa cttccttacc atggacagtg ctatgcagat 480

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acgaggaggt gatatcagag gatgccttct acaaatggga gagcagcaag gaccccgctg 180

agcaagctgg gaagggcgtg gccctcaagt ctgtcacggc ctttttcacg tggcttcgag 240

aagcagaaga ggagtccgag gataactaat acttcaaata cacaaacgaa acaaaagaaa 300

caatttaagt attttttan aaaagtttca cgtcttncgc caatcacagt gcangcaagg 360

ccaactctnc gcagaaaccc cacgtgtgcg cgagt 395

<210> 6316
<211> 439
<212> DNA
<213> Mus musculus

<400> 6316
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aaacacgccc aagcaaatgg attctcagtt gttcgaagct attgtgggca tgggatccac 120

aaacttttcc atacagcccc caatgtcccg cactatgcca aaaataaagc agttggtgtg 180

atgaagtcgg gtcatgtgtt tacaattgag ccaatgattt gtgaaggtgg atggcaggat 240

gagacttggc cagatggctg gactgcagtg acgagggacg ggaagcgatc tgctcagttt 300

gagcacaccc tgctggtcac ggacactggc tgtgaaattc tcacccggag actcgatagc 360

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<211> 444
<212> DNA
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<223> n is a, c, g, or t

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ctgcacagac agtgaggagg agcttaagat gaagccggcc tcagcacaca aacccccctgc 180

tgccgctgtg aaaagggagc ccagagaaga acggaagggc cccaagaaag gggctgctgc 240

tctgggcaaa gccaacagac aagtgtccat tactggcttc ttccagaaaa agtaaatgct 300

acctctgnaa ggactcgggc tggtcaaggg agaagaccaa gaagtataga ctgtcactta 360

ctgtgtaagt ttgcctcgct ccttgcctcg cctggatcag atgctgctct gccatcacgg 420

gacacgtgta ccacttctgt tttc 444

<210> 6318
<211> 407
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggttcatgaa gagaattgct gcttgccagg agcagatttt gaggtattcg tggagtggag 180

agcctctctt tctgtcctgc cccacatttg aagtntntga ggtcccagcc tgcagtggct 240

gtggaggcca gaggacgttt gagtttcagc ttatgccagc actggtcagc atgctcagca 300

gtgctaatnt aggtcttgcc gtggaatttg gaacgattnt cgtttacaca tgtaaacaga 360

gttgctggcc tccaaatcag cagatgccca tggaagaatt ctgtgtt 407

<210> 6319
<211> 390
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttgatcatg cgcacagcct tctgcaggag taccagcgga gagaaggggt ggacatggag 120

cagctgcttt ccctaggctc tagtgacggg gatgaaaagt acgagaagac cacagttagc 180

agtggggatc caacgtttta taggttcatg aagagaattg ctgcttgcca ggagcagatt 240

ttgaggtatt cgtggagtgg agagcctctc tttctgtcct gccccacatt tgaagtntnt 300

gaggtcccag cctgcagtgg ctgtggaggc cagaggacgt ttgagtttca gcttatgcca 360

gcactggtca gcatgctcag cagtgctaat 390

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttggcttgc ctgaagctgn attcccnctg tggagagttg ctncctttaa tagacccncg 120

gagacagcac tctgatgtcc nnnnnnnnnn nntnnncntt nnnntgnntn nnnnnnntnn 180

agatccctaa ggatcccccc acccccaaat gccgctccaa ctctgaatcc tagaggtggc 240

aaagccacgt ctagaggcca ggcaccctcc tgtttacaga aatgagagct gccccctaag 300

gnanagactt ttccaaagaa anancntgnt cttgatggag nanctntntc nccttntggt 360

aaccggaaga aggaccaggc agaantcagt aaaccacaac nntntatgag gggcaacgtg 420

gagatagatn tcantcattc agggcattta taattcattc ataattccaa atggatg 477

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<212> DNA
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<222> (49)..(49)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgcgtcctct caggagagca gcagtgcggt gcccctctgc cagccagcag acctgaggac 120

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acttgaactc tg 192

<210> 6322
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<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgcatggtt agtcagaaac tgccatttga aaaaaaaang ttatttttat agctgcagaa 180

aaatgaatac agttaaatgt attatacata attttggaac caaagaggcc agcggatcag 240

ttttaatttt tattagatgg tgaggccatc ttctatgagg tagatgttct aaacaatcct 300

tcgagtggcc tgccagtgtt tcagggtata aatgattntt tntttnnnnn nnattcagnt 360

gatgtntctt ttctgtccgt acacacccag naggtagagt aaaataaatg actggtggag 420

tgaaggtgtg tgctgtaant cctcaccttt agtttattta ataaatccct ccttaggttc 480

tgtttcataa 490

<210> 6323
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acaatacctg atgccaccca gaactcactt ttgagctctt aatgtgaaac atggggaaag 120

tagcaggtgt tgaaaaacag aagaggtcct gtatgcagtc tcataaacaa aaccccatca 180

ttttgtcttg gtgtgtgctg tgttgggaag ctttggaggt tcctaggtac ctggtatctg 240

gctcccagca gcagctcctg ttccttgtag atccatgggc tcctttgtga acaacatacc 300

tttttctcca tccttctcac tgtggtggca nccttnttca gtgtgcccaa gccatgtttg 360

g 361

<210> 6324
<211> 390
<212> DNA
<213> Mus musculus

<400> 6324
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tgacaatgtc aaaacactgt gcacaacgac cgattgtccc tccctggtac tgatgggacg 120

gggccagaaa gtgggagcca aagtgttctt ttctggtttt tctgtgtgct gtaggatgat 180

cgaacgggtt cgggaggttt gtgggcagtc cccttctctg gtggccaaat ggactttcct 240

ttctcctcag tggcaagcac tacatccaca catgcacttg tgacctttct ttaatgttgc 300

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gtataatttg ctttgaggag atctactagg 390

<210> 6325
<211> 493
<212> DNA
<213> Mus musculus

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gtgatgcacc tggaccacag cgatcccatc actcgagacc acatgggctc tgtcatggct 120

caggtgcgcc agaagctctt ccagttcctg caggctgatc cacacaactc acttagcaaa 180

gctgcccgcc gcctcagcct aatgttacac ggccttgtga cccctagcct cccttagcca 240

tttaaagagg gatgaggtga tgctgaaggc cagttggcag gtttaggtca aggcagggcc 300

atgtctgctg tttccctgct caggccttcc tctctggtgt gtggagggag gtatgcagca 360

gggctcacgg gcagtgctct actgattgtg gtaaccagca gggtcaggcg ggcccagggc 420

acgtagtgtg ccttcttggg tcctaccatg cctgaagcgt gaccccaaga tcgtgacacc 480

acttgagttg aat 493

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<211> 516
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaatgctgct ctgcctctgc acccaaccat gttcctcggt gaacccagaa gggctagcct 120

gggcagtctt agactcatcc tgtgggtatt gtggacacac tgcttggctt caagctaggc 180

ctggtgccag aggatcgtct cagctgcctg tgacgtgctc ctttggtctt gaatcttgaa 240

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ccatacagac ctcagaagca cttattaagt gcctgtgtat ntcctagaat gggntggtcc 360

tttgtataag aaanctagga gaaccngtnt aaggtgtgga gtgggaaccc tntctttcct 420

aggccancct gtgttcattc acacagagac accaccaaca gcagntcatc catgggacag 480

tgtntctcat actgtgttta tggcttcctc agagca 516

<210> 6327
<211> 187
<212> DNA
<213> Mus musculus

<400> 6327
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tgttctcctc tctagcataa gactttggct tctgccttaa ggttttccta aggaattaac 120

aggtcttttc atcttgtata gtttttacag tgtgaatcca acattggctc agtatgctaa 180

tgtgaca 187

<210> 6328

<211> 316
<212> DNA
<213> Mus musculus

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<222> (53)..(53)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taagcctaaa agttagcaga agatggcctc ctgccagcag gaaatcttta ccctttagta 120

cccgaaccag tctcaaggtg ttctttggaa ataaccaggg ttaaagtttt taatttctca 180

ggaagagctc ttcagcatgg caggacgtgt aatgagggct ttcgcaagtc cttcagcgct 240

gcagagcagt aagctatcca tccngtgagt gtggcggctc tttctacagc tgaactcctc 300

ctcagttgag ttttca 316

<210> 6329
<211> 463
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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aatctggggc tgatacacag agccaagcca ctgcttctca tgtggttgat tgtttacaag 120

cctaattgta aaaactgaag gcatttttcc tgctgccttt tcccaaagtg gttaggtttg 180

gaaaatggat aacactagta ttattttatt tgtgcttttt aagccatgtc ccccaggtgg 240

gaatcgcatg cttgtcttca gactcctact gacctgcctc atgaggtttg gacatggctg 300

tgtgggttga ggtgactgct gccctcattg ctctttgcct ntctctgctt tatgcctgga 360

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cagtgagttg gcaactgggg atgtgggcac tgcagctttt att 463

<210> 6330
<211> 495
<212> DNA
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<223> n is a, c, g, or t

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cctcagaggc ccaggaggtg accattcctc ggggcgatgg gggaacaccc ccaattggca 120

ccgcagctcc tgctctgcca cccctggcac atgatgcccc agggcgagcg gatacctccc 180

agcctagcgc ccgaatgcga gggcatggag agccgcggcg cccgccctgt gatcccctgg 240

ctgacaccat cgacagctca gggccttcac tgactctgcc taatgggggc tgcctctccg 300

ctgtgggtct gcccccaggg ncgggcaggg aagccctgga aaaagccttg gtcatccagg 360

agtctgagag gcggaagaag ctgcgattcc acccacggca gctgtacctg tcggtgaagc 420

agggggagct gcagaaggtg atccttatgc tgttagacaa cctggacccc aacttccaga 480

gcgaccagca gagca 495

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<212> DNA
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<223> n is a, c, g, or t

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gaggagactg gagaaaatgg acatgatgtt gcgcgctcag tttggtcagg acccttctgc 120

catggcagcc ttagcagccg aaatgaactt cttccagttg cccgtgagtg gggtagagtt 180

ggacagccag cttctaggga aaatggcctt cgaagagcag aacaacagct ctctgcactg 240

aaccacaccc tcttgcctga cctcccatcc actccagccc tcggggattg gtgctgcagt 300

cactcaggag gccacantcc ttgctnccac aggcaggtcc gggttggttg cagggaaacc 360

tntgcaccct ntgcatttgg gaaaaggatg nggntcagga ggggacctgg ctcaatgcag 420

ttctggacaa gggagcaggc actccagaaa cctggactnt tcagcccacg gtggcaggcc 480

aggactatgg gactgtggga cccagtatgg tccatgaagc tgtgagggca a 531

<210> 6332
<211> 196
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<400> 6332
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gagggctgtg ccaggcgtgg aaggagggtg gcttcagtgt ttaccctgcg gtgcccagga 120

cagtctgagc acagctctcc tcactcacct ccagtcttca ccagaccagg ntgtgcaatt 180

actgtgctac actctg 196

<210> 6333
<211> 395
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<400> 6333
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gaagaggaat atgacacaga tgaaatcgac agctcgtcca tgtcagatga tngataggaa 120

agaggttgtc aacatccaga cctggatcaa caagccggac atcaagcatc actttccctg 180

taaagaagtt aaagaaagtg gacatatgtt tcctagccat ctgctggtta ccgccaccca 240

tatgtactgc ttaagggaga tntctttcaa ggaaaggcct ggcttacatc cagtctcggc 300

aagcactaaa ttctgtagtg aaaattacnt ccaaaaaaaa acatcccgag ctaattacct 360

tcaagtatgg aaacagcagt gcttccggga tagaa 395

<210> 6334
<211> 482
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<400> 6334
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gtgtccttac caaatgagga gacaagactc cttctgctta aaaacctgtt gtgtaaacaa 120

ggaagtccac tgacccaaaa agaactcgca cagcttgcta gaatgaccga tggatactct 180

ggaagtgatc tgaccgcttt ggccaaggat gcagccctgg gtcctatccg agaactgaag 240

ccagagcagg tgaagaatat ntctgccagt gagatgagaa atattcgatt atctgacttc 300

acagaatcct taaaaaagat aaaacncnag tntgantcct cagaccttag aagcatacat 360

acgctggaac aaggattttg gagacaccac tgtttaaagg aatggatgcc tctgtgagcc 420

catagaacat cgcacttcac aggaaacaag agctttggct acaggaaccc agacttcgtt 480

ta 482

<210> 6335
<211> 212
<212> DNA
<213> Mus musculus

<400> 6335
agagtctcgg ctctgacgcg gtcttccgcc ggctgcgcta cacgctgtcg cctttacttg 60

agctgcgtgc gcgcggattg ctgcctgcct agagtgcatc atgtcggctt tggccgcttg 120

tacctctgtc tcctttgtgt tttctgggtg cctgcttata tgaaaagggt gggggtgaag 180

ttcgtctgtt ccgatatcac ctgagtgcag gg 212

<210> 6336
<211> 534
<212> DNA
<213> Mus musculus

<400> 6336
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ggccttgctt ccaatggaga ttatatagcg tgtggaagtg agaacaactc cctctacctg 120

tattataaag gactttctaa aactttgcta acttttaagt ttgataccgt taagagtgta 180

ttagacaaag atcggaaaga agatgacaca aatgaatttg tcagtgctgt gtgttggcgg 240

gcactatcag acggggagtc caatgtgctg attgctgcta acagccaggg tacaattaag 300

gtgctagaat tggtataaag agtttcctga agtcaaactg tgtttgatcc tcccaaaagc 360

catctgcagc tgatgatgag aagaaaaaga aatggcatgt aatgtctccc ccaacatcat 420

ttggatttgt tttaagtacc ttttccctcc tttatgcctt tgggacactg ggaatatcca 480

gagaattcgc caccatcagt gtaactatga actttgctgt tggcagtgtg gcta 534

<210> 6337
<211> 565
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (167)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (172)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(178)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<400> 6337
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cgctggggac ttcctgttaa acacgtggac cccaagccag ttctaacacc aaaggtgttt 120

acaaagaagg acttggctgg tcacatatcc ttaggccttg agtnttnngg gnnnnannct 180

gccgccctcc acccccccc cccccnatca gttataaccc tttggttgat gttagcttct 240

ccctatgctg tcctcctcta ccggagcccc ataggcttgt gaatggacag gttcaggcgg 300

cgcccagggc ctaagcattg agaagtgtat tctccatctc ctgccaaact atggctggtg 360

tcaagggatg acagtaactg ccctgtggcc ctctgaagag gtactgtgga tcagagaaac 420

tgggtagatg tccacaaagc tgggagcctc attaaagcat acaagatggg aatgggcctg 480

gaaggggagg ctggtgccca gtagaggcag gtttccctcc tcctccaaag caggaaacct 540

gagagctaga gtccctgctt aatta 565

<210> 6338
<211> 85
<212> DNA
<213> Mus musculus

<400> 6338
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gcttgtcaga ttcaccatgc tactt 85

<210> 6339
<211> 193
<212> DNA
<213> Mus musculus

<400> 6339
cattgtcttt gaatgtattg gaagcagaca tgcattgact gtgacatggt tgcacctgag 60

gttcccccct cactttctgg acagactgat actatctatc aaacatttgt ttctgttggt 120

ttggggataa agaaaaagga acccaatgtt accttaaagt gatgaaatac ttgtgtaaaa 180

aggtagcaat act 193

<210> 6340
<211> 539
<212> DNA
<213> Mus musculus

<400> 6340
ggaacgaacg tttatgtgac catattacat ctcttcgcct cttgcactgt tgtcttgttt 60

cactgatctt agctttaaac atgaaagaag tccttaaaat gcctgcactg tgtattaaac 120

accaggtaat atgtgcaaaa cagagggctc agcaacaact tttcacttgt gaattggcag 180

gaaaaggtag cggcatcatg taagttaaaa attggctaat gttaagttat tgcagatccc 240

acattcatta tgctgcagta ctgtacatat ttttcttaga aattagctat ttgtgcatat 300

cagtatttgt aactttaaca cattgttatg tgagaaatgt tactggggaa atagatgagc 360

cacttttaag gtgctgtcat atagcttgga atgaatgatt aaaatcattt gaagcattgc 420

ttctgggaaa ttcaaattgg aaggttttat tcattcttga atttttcctt ctcaagagct 480

cttctattca tacacggcta agttctttaa agatgtggag gacacctgtc tgcggaata 539

<210> 6341
<211> 455
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<400> 6341
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tgatgatnnn nnnnntngng nanttggcag ctggggtact ttaagtgtag attgatattt 120

atcttgcctc aggtaagatg aatattacaa agttgcactt tatagatggt ggttaaatgg 180

agctgttnaa gccattttag agctgtgatg cacagtataa cataagtgct tctatcagag 240

tattcctcag tacagtatgt atagttggcc cacatcaagc aaaaacatat ttatcttggg 300

tttatttaaa caattaggat aaaatttgat gcttatagtg ttggttcact catctccaga 360

gcccntncag ccctattaga gtgagtcaca tgcagggagg gtgaacgtca agaggtggtt 420

tactgtccag tctgccttat ccttaatctg ttcat 455

<210> 6342
<211> 543
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

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<222> (396)..(397)
<223> n is a, c, g, or t

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<222> (400)..(400)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (466)..(466)
<223> n is a, c, g, or t

<400> 6342
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gaagatggaa aagaagaagc aggagaacaa gatgaggagg naccagttga acgatcagta 120

cttggagctc ctggaaaagc agaggctcta cttcaagact gtgaaagagt tcaaagagga 180

gggccgaaag aatgagctat tactatctaa gatcaaagcc aaggcctcct gaaaactcca 240

tctccgtttc tggatgtccc tgatattttt ttaatgacgt gtatagacta caggatcttg 300

acatggttct gccggtgatg gcagagagac ccaggaaaat tcatttcant tctctagacg 360

gatgttntct ttntcctact tgtttcattt cntntnntcn ctggctgcgg ctngatggan 420

tcaganccct acaaagaacc gtgggcagtg tggatgacac tcagancccc ataggcagtg 480

cccactcact ctgaccactc aacttccatt tcttcagtga cactgcattt atgaaggtac 540

cgg 543

<210> 6343
<211> 448
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<400> 6343
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aaangttggg aagttttgta atgttgagtg ctgttaactg ttctaagcac aaagcaggtt 120

ttgtttgaag aatgccttta agtggctgta tatttttact cctattacct ggccataact 180

ttgacttaaa tttcattagt acaggtcagt ttcctaaaat gccaaaatga acaaaacttt 240

agcaaaacta tcttgcctca tttgatttgc agggatttta ttatatcatt ttgttttgtt 300

ttgtttttta gcactcttaa agatggttgg gcagtgtaat tatcagatgt ttgttttcta 360

aatagatatt tttatatatg ctttatgtaa accaaaatgt gttttattcc ttcagatttt 420

ctaacatgct tacacttggg ctactatt 448

<210> 6344
<211> 502
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<400> 6344
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ttcaggctcc agaggctaag accaaagaaa atgtcaacgc cacggagaac tgcatctcag 120

cagtgggaaa gatcatgaag ttcaagcccg actgtgtgaa tgtggaggag gtcttaccac 180

actggctgtc atggctgccc ctacacgaag ataaagaaga agctgtccag accttcagtt 240

acctgtgcga cctgattgaa agtaatcacc caattgttct tggcccaaac aataccaatc 300

taccgaaaat attcagtata attgcagaag gagaaatgca tgaggccatt aaacatgaag 360

acccctntgc caaacgcctg gccaatgtag ttcgccaagt acagacttct ggaggattgt 420

ggactgaatg catagctcaa ctcagtccgg agcagcaggc agccatccag gagctcctga 480

actctgcctg aagggcctta ac 502

<210> 6345
<211> 122
<212> DNA
<213> Mus musculus

<400> 6345
actggtttta ttccctgcta ttgtggagat tgtgttttaa tcaggtttta agtgtgtctt 60

gtgtgtaatt gtattctttg catggacctt gtacatagtt ttatttgctg gacttttatg 120

at 122

<210> 6346
<211> 421
<212> DNA
<213> Mus musculus

<400> 6346
aactatcgta attatctgct gcctgctggg tatagccttg aagagcaacg aattctggat 60

tggcaacccc gtgaaaaccc tttccagaat ctgaaggtcc tcttggtgtc agatcaacaa 120

cagaacttct tggagctctg gtctgagatc cttatgactg gaggggcagc ctctgtgaag 180

cagcaccatt caagtgccca caacaaagac attgctttag gggtatttga tgtggtggtg 240

acagacccct catgcccagc ctcggtgctc aagtgtgctg aagccttgca actgcctgtg 300

gtatcacaag aatgggtgat ccagtgcctc attgttgggg agagaattgg attcaagcag 360

catccaaaat ataaacatga ttatgtttct cactaaagat acttggtctt actggtttta 420

t 421

<210> 6347
<211> 478
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

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<221> misc_feature

<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (444)..(444)
<223> n is a, c, g, or t

<400> 6347
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aacaaggagt tacaagccaa ggtcaatgtc ctgagaaggc agttggctga attnggaaac 120

agaggatggg ctatgagaga gtccttgaaa gatcgcctac ctgtcctgag gacctgtcta 180

gtcctgagtc gtctctccct ctgtttngcc cttcaattca tgttcacagt agccttgaac 240

ttggctgtag gtgcggaatc cctgtaatgt aatggccttc taagcactgc aaggtggcag 300

tcactcacag antntggcct nttanggccc tccacttaat gagcaggtgg tgctgtcacc 360

tcactacata tatgacacct atnccctatg ctgttcccca tntctagttt ctcaccagtg 420

gtccagacta gttaagaatc catntacaac atgggccagg cttatttgca ttcgagta 478

<210> 6348
<211> 474
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(330)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<400> 6348
aaaccgctcc ccaacagagg ctggagaagt ctacgttggt gagagcccca gcctagcccc 60

ggtcatactt ggcctccatc tgcacaggta gaaacctgcc ccactcagga ccctcccaga 120

agtgcctcct gaagccaaga agggacttgt atgtggtgcc ttatcaccca ccctctccca 180

cccagactgt ccttccttgt aaccagagcc ctcactgctc ctgagtctta tttataagct 240

acataaatat ttttaatctg gccccaaatg aagtagctgg tcagatggcc ctttctaatc 300

ctatgtattg angcttatgt aaaaganann aaaaaaatca tcttnccttc ctttttgttc 360

ctttnttacc cacaagcgat tactacttga aacttatcaa aaacccaatg ggtgcaaaga 420

ctaaagagag gcagtgtgac cantctatga tttgtactgt ttacggtgaa gcta 474

<210> 6349
<211> 357
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<400> 6349
cagtgggaat gctaatttct ttaacanggt tttccaagtt aagtgcattt acttgacaat 60

aaaaaggatc aaggctcttt aggacaaggt ctcagttaaa aggaagaaca tgtctaaagt 120

aaaagaaact tttataaaaa gtttacattt actatggcag tgttgtgaat aaaaattaaa 180

ttttgtgttc ttacagttta tttgtaaaag atactcttat tatggaagca tgatttctta 240

natttaaata ggtagatctc ctgttactaa tgctctttaa gatgaagttg agagctaaat 300

cttagtgcaa ttgttacaag gacagtgatt tttaggtggc aatgttctgg ttcagtt 357

<210> 6350
<211> 426
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<400> 6350
aatacagcgg tcctgttgag ttctcccagc tgcagcttcg ntgtctgcca aggttctttg 60

cctctcattg tcatgtacat ttgtgtacac taaagcttag cggtcggtct gtctgtgtac 120

tcctcggtaa gactccatag gatgtatttg ctcgttaatg agggttctct gttcagtagc 180

ttcaagatct tttctctgta catttatttt ccaaaaattg cttcaagttt gagtcttcta 240

gaatgcttgt aaagtcccgt tttaatttta agagtcgatt tgtagttctg tagtgtaact 300

ttgggaacca tctgcccatc tatggaataa agtttctcgg gggccttggc gtagactcgg 360

tgccacatga ttcattgcag agcgtgctag cgtcagcagg cctcttctgc tctgctaagt 420

acagtt 426

<210> 6351
<211> 404
<212> DNA
<213> Mus musculus

<400> 6351
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tggggcgcca ataaagatg tggctcaaga ctgactgcca gtgtagcctt tcccctgagg 120

gcttgtttaa gtagatggtt cactactgct gggtagtgcc attttggccg gacatggttt 180

gggtaatccc atgacaccag cactgattgg actgcccttc accaatcaga agctcagtgc 240

ccagtgggcc actgtcttga cttggaatca tgttgtgcac tatggtcaga tgtactgtaa 300

agccaaggat gtgcaaagag aaacaagcaa agcctgctac tatgaaggga gggggacaag 360

tagattcatt gattgcggac aaatgtgcac atagccgcta gtaa 404

<210> 6352

<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<400> 6352
acaggctaaa ggcttcgctc tacctccctg gcagacttgg caccctgcgt tctttcccaa 60

cttaaacctg tgtccacagt tcttgggagc cagcccagat gtcaggagga ggtgacacca 120

tgtaggcatg ctctagtggc agcggcacca ctgagggttg ctcacctggt gtcgcatgat 180

gcaccaggtc agttagatgg catcaaagcc acctcctgta gaagagttta gcaggactca 240

ggagccatgc cagcagtggc actctaatgt ccccaggaan ggcagaattt cctgcgtgct 300

gcaccctggc cagagctgtc ctcatcatgt catagagctg catgctcctc tcccttagca 360

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tctgctcatc tgattccctc aataaaccct gtgtag 456

<210> 6353
<211> 329
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<400> 6353
taaagacccc tctaggaggc agcttcctgg tatatgagtc cttcctctac agacgggana 60

aagcaactgg tgataaggtg tactggacct gccgggacca ggcacgcatg ggctgtcgca 120

gccgagctat cacacagggc cagcgggtga tggtcatgcg caggcactgc cacccaccgg 180

acatgggtgg cctggaagcc cttcggcaga gggagaactt ccctaacctg acccactggg 240

aaggcccaga gcccctgcag ccactggagt tcctgcggac atcccttgga ggccgcttcc 300

tggtgtatga gtccttcctg tacaggaag 329

<210> 6354
<211> 532
<212> DNA
<213> Mus musculus

<400> 6354
aaaacctctc cctatacatc tgtgttagtt cattttgaca tccaaatgca ggcacatcag 60

aggaggctct aactgaaaag taagagtgtg agtattgtaa tttcactaga ctttctcttt 120

gccccaagaa tgcctgagag aaaaccatat ggtctgcaaa gctgtttgtc agccgttcaa 180

atgactcaga caacaggtcc tctgtgtcta acgtgggtaa aagtagttgg ccaatatttg 240

tgctgtatga gttctgattg gttttggtag ctagagatat ttgtacacga ttagatattt 300

tttttactgc tttgttaaat gtctgaaaag tggtttgtct tttaaaaagt caacaggtat 360

gtaattacat agttaaaaag acgttcatat cagtgtttta aataataatg aatctttttg 420

atgttaacat aacatgtata tatatttatt tgaaatgtaa ttaattttta gtattttcga 480

atgtactgtt ttagcattta acatggtgtg ggcagttcca ttcagtgtat cc 532

<210> 6355
<211> 536
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<400> 6355
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ccttactcac taaagttaca gcactgctaa aatcctactg attaactcac cagcttccgt 120

ttacaaagtt tcttccattt ttattctgac aaagttccat ttttttcctc ctttctcgat 180

tgagattttt aacaacacct tgcccccatc ccccacccca aaaaangctc actcaatgtt 240

gtaggttctg ttgctttttg tgttttgcca agcatgtccc ttgccccaaa actaaagagc 300

aaatgtttat ttaaagtaaa aacaaaacta taaataaatt gtatacttta taataatcag 360

tggtaacaat ttagagaccc tggcagatta aaggttgcat tatttttatt tagatttttt 420

tcccttacta ttttgtactt taaagctggg gatagatttc actggtttct gaggtaacag 480

cagtaacgat taggaatata tagaaaagtt cagtgaccag tcatttcttg tacaaa 536

<210> 6356
<211> 429
<212> DNA
<213> Mus musculus

<400> 6356
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agtcactaat tttctctgag agaacagttg attgagaaat ttctattgta aatatctcag 120

tgttacatag tgaagcttaa agtgtttgta gtcttgcata aggacacagc ctaaataact 180

gacccttac tcgctctgaa gagcctccct gccccacccc tacgtagctc atcttcagtg 240

tgggccatgt gcagcgtgtt tctgtgcaga taatgtggcc ctgttctcgg gaacccagaa 300

ccttttacag acatttttta attgtgttcc ttcctgctgc cacaatcagc atgactgtat 360

agagtccctt ataccatcta cacatccaga gttatatgga agcagaatgc ccaaatggac 420

atgtcgtaa 429

<210> 6357
<211> 394
<212> DNA
<213> Mus musculus

<220>
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<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
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<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
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<222> (279)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)

<223> n is a, c, g, or t

<400> 6357
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ctcctcagcg aaagccccat gagactgaag gtgagaggca ggagtggtcc aggtgcctcg 120

taccttcat ttgggacata gttgccccaa aggaagatgg gctagatgat tnccttacta 180

ctacacancc ctggctgcct acaagaactg tgatcctggc aantctgcca tttcagaatt 240

gaagcagggt tccccagctc cagcagggtt tttntcttnn agggtgtacc aaccatggtg 300

cccactgtca gcctggcaca tgntcttctg cagctatgac aagcatgtca gcagagggtn 360

cctgggaaca gcttccttag cgtttgaggc caaa 394

<210> 6358
<211> 543
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
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<222> (243)..(243)
<223> n is a, c, g, or t

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<222> (456)..(456)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

<400> 6358
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gagcggcctg aggagagcgg ccggtcgaag cagaagagcc ggcgccgctg cttccagtgc 120

cagaccaagc tggagctggt gcagcaggaa ctgggatcct gtcgctgtgg ctacgtgttc 180

tgtatgttac atcgcctccc agagcagcac gactgtacgt tcgaccacat gggccgtggn 240

cgngaggaag ccatcatgaa aatggtgaaa ctggaccgga aagtggggcg ctcctgccag 300

cgcatcgggg aggggtgctc ctgaaggcca ggcacggcca ccacacgacg ctgttcttag 360

ttcactaatg ttagccttat ttaggacaaa gtcagccaga caccttgtac tgggcacgcg 420

tcagaccaca gccggccgtt tcctttcttt agccanccng tcctggtact gtagcttagg 480

ggttgatggt ggatgaaatt gatttctggc tggttactaa ggtgcctgct agccattgta 540

taa 543

<210> 6359
<211> 75
<212> DNA
<213> Mus musculus

<400> 6359
atatggacag ttctttggaa tgctcccatt tactattagc ttatcatttt ataagtaatt 60

ttggagggac tacat 75

<210> 6360
<211> 518
<212> DNA
<213> Mus musculus

<400> 6360
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ataccagaga cctgcttgtc cattggtgcc acggtgctcc tggggtcatc tatatgctca 120

tccaagcata caaggtgttc aaagaagagc gttacctgtg tgatgcccag cagtgtgctg 180

acgtgatctg gcagtacggg ctactgaaga agggctacgg gctgtgccat ggtgctgcag 240

ggaatgccta cgctttcctg gcactctaca acctcacaca ggatctgaag tatctgtaca 300

gggcctgcaa gtttgctgag tggtgcttag actacgggga gcacggatgc aggacagcgg 360

acacccccct ctccctcttt gaagggatgg ctggaacaat atatttcttg gctgacctgt 420

tagtccccac aaaggccaag ttccctgcat ttgaactctg aaaagaaagc atgtctcctg 480

ccgcttacag catgactctg tgtattactc tgggctac 518

<210> 6361
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
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<222> (378)..(378)
<223> n is a, c, g, or t

<220>
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<222> (381)..(381)
<223> n is a, c, g, or t

<220>
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<222> (426)..(426)
<223> n is a, c, g, or t

<220>
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<222> (434)..(434)
<223> n is a, c, g, or t

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<222> (450)..(450)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<400> 6361
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gtgcgctgga agcttctctg ctgtggtgaa ccctggtgtt gtgtgggtgg gccagcctca 120

cccacanctg cacagtcgtc tgcccatttg tatatggttt cagttcagtc ccagttctta 180

aaagaaatgc tgcagaaact tgagttttct catttatttc attctctttt ttcccctacc 240

accagccaaa tgacttttcc ttcccttctt tccttttctg cacaactcta gaaaaatgcc 300

atctttctag agtctttaac ccacaaagtt cccgagggtg ctactggtgt gagttncccn 360

tggtgggcna gggaagancc ntctgttggc tggaaacact cataaccatt cctttagatt 420

cgtttncctt atgntcataa acgcgatttn caaaaacaag ganccttagt gaatgtacag 480

tacctagact tctgtgttcg cgcag 505

<210> 6362
<211> 387
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
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<222> (283)..(283)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
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<222> (359)..(359)
<223> n is a, c, g, or t

<400> 6362
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gatgagaagg agaagaaagg aaaggacaaa gaagaacact agaatagcaa ttccatctgt 120

gaaacacttg actctgttaa tttctattac actgcaattt ttntcagcaa aatttaaatg 180

gtactttaaa ataattctaa attttgtggc cattattgaa agtttgtaag ttaatctgtt 240

tattctagct ctaccattct gtatacagta aagtattgca tgnaaaatgt aaattttgta 300

gaaaactnaa ttaaaagata tacatctgct cattaaagtt tatgattgtt ttatgtgcna 360

tatggttgct gcatttaaag tattaca 387

<210> 6363
<211> 507
<212> DNA
<213> Mus musculus

<220>
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<222> (309)..(309)
<223> n is a, c, g, or t

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<222> (335)..(335)
<223> n is a, c, g, or t

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<222> (337)..(337)
<223> n is a, c, g, or t

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<222> (366)..(366)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<400> 6363
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aaggaagagc agattcagga gctgatggag gcagtaggct ggggtccaga cagcagcaac 120

acagacatgt taaactaccg atctttgttt aatgaggatg aggaagggca gagtgagcca 180

tttgtgcaga ggctgtggga acagtatgaa agtgacaagg aagcatactt agaggaactg 240

aagcaggagc tagacctgga tcctcttgaa gacgtgaccc tactgaagat gcgtgggacc 300

ctgatgaana tagatcctac catggacaag cagantntga gtgcctacct gagccaggcc 360

tatcanatcc ctgcaattga tntnccnact ggaggatgag gagaagcagg ggataatntc 420

cataaaggtt gagactgcac ttgatcgant taggatggca gacacgaagc gtgtaggacc 480

acgagagcca gacccagcaa gctagag 507

<210> 6364
<211> 452
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
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<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<400> 6364
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gcaccgtggc agaaatcact ggtcatcagc tcatgagttt gtctactgca aatgcaaaga 120

aagaccccag ctgcaaaacc tgtaacatca gtgtcggacg ctaacaccac tttcgccccct 180

tccccgcccc acacaccctg tcttcccata ggagcattac cctctgttgt ccatctgcca 240

tcagatgtcc ccactgaagc atgcatatgc cgctgtcacc aaaagcaaac tctgtcattc 300

agagcctttc cgtntntcnt cttgcccgcc cttntccacc actttcaacg atntccccag 360

gttgtcctga cactgtttgc ctagatgctg caatgctttt atgtttcctt tatgccaaac 420

ataacaagac agttatatag accgctttag ca 452

<210> 6365
<211> 303

<212> DNA
<213> Mus musculus

<400> 6365
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taaagagaaa aattgccttc ttactagaaa gcctttgtgt attgccggtt tttctgtttg 120

ggaaaatcta aggatttact gtggttagta gtacagaaga aatgtggatt tgatgaacta 180

gtgcctatga ttttaactta tgtttgatat atagtagtag ggttataaat gttgattatt 240

ttgtgccaac agcccagaat tgtcacttgt atgtcagcag aagctatgac ctctgcttcc 300

aaa 303

<210> 6366
<211> 208
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

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gtgcctcgca gcaagcttgt acagcctgtt cgaagatcat tgccagctcc taaaagttat 120

ggtagcatga aagatgacag ttggaaagac ggctgttact gaccagcaga gatgaggaca 180

cagatgtcca cagcttcatg gacaccgt 208

<210> 6367
<211> 172
<212> DNA
<213> Mus musculus

<400> 6367
gttcaaaatg caatactgtg tctcctgtca gtgggaacag ttcaagaaga tcgtcagggg 60

cgatcagcaa ttcttgttct ccactaaacg ccacctcagg aagtgggaag ttcacaccag 120

ttaatccaag aacaaagact gaaaaaaaaa atgaagaagg ttggtttgct ct 172

<210> 6368
<211> 484
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

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<222> (284)..(284)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

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<222> (319)..(319)
<223> n is a, c, g, or t

<220>
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<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

<400> 6368
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cagttaatcc aagaacaaag actgaaaaaa aaaatgaaga aggttggttt gctctctctg 120

cccacatacc gtaagtgaag ccccagcaga gagtgtcctc agtgacttat tcctggcctt 180

tccttcgcac ttcacagatt ccatttcaag ttaataacat ttttcttcag atnaaacctg 240

cataggtatc ctgtatttat ggaaacagaa naaagaatta tttnaatatt tnacctttc 300

aaatgttttt tcaacaaanc acctctaatt ccctgtgagt aaagctttgc aggagtttaa 360

gttttatatt tgtttancct tgttaaatgc attagtgata cattgttact ttngtcattt 420

tggttgaatg tttgtttgtt atttagtgca tcttaaatnc aatcaccttc ccacaagaac 480

taat 484

<210> 6369
<211> 473
<212> DNA
<213> Mus musculus

<400> 6369
tattgggcag accatcccac gataaaaatt ttttgggaag tgtttcatga attaccacta 60

gagaagaaga aacaatttct attatttttg acaggtagtg atcggattcc cattcttggt 120

atgaagagtc tgaaactagt catccagtca acaggaggtg gtgagagcta tctcccggtt 180

tcccatacct gttttaatct tctagatctc ccaaaatata cagagaaaga aaccctccga 240

tgtaaactga tccaagctat tgatcacaat gaaggcttca gtttaatatg accttggact 300

tttctgttta gtacaaaaac cactcgtgtt tctcttgtga attcagcaca gtgagagtta 360

cttctgtaat tcttacttat aaattgttca ctactgtact gatgaaagcc caaaattaaa 420

aactgtgcat taatactaaa ctgtacagaa ccatgaattg tccatcctca tac 473

<210> 6370
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(337)
<223> n is a, c, g, or t

<400> 6370
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aagaaatacc tcnttttctt tgaagaatgc tctgaaatat aaaactgtca agctaattct 120

ttttttcatt aaaagctcca ggtctggttc caggtccgaa atcccatccc tctgcatcct 180

ctggcaatac gctccttcca tcagtcatgg catccaccat tttactcgtt gcttctgctg 240

taaacttcat cgagctatag cttgaaacgc tatcttaatc tttatctgaa agactgctat 300

ggggatccna caggaagtca agagaaaaaa atgtannttt tccttggaca gacttgactg 360

tataaaagaa ctgtatattt gttcctcatt ttacaattta aaaagctggt ccagatagta 420

tcatagaatt aacttttcat ttctgtatta attttaggac tgcaaaaatc ccaaagctat 480

a 481

<210> 6371
<211> 433
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 6371
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aaaagaagcc cccaactgga agatgaagca aaagagctgc agaagcgcta cgggggcttc 120

atgagaaggg tgggacgccc cgagtggtgg atggactacc agaagaggta tgggggcttc 180

ctgaagcgct ttgctgagtc tctgccctcc gatgaagaag gcgaaaatta ctcgaaagaa 240

gttcctgaga tagagaaaag atacgggggc tttatgcggt tctgaagccc ttttccagca 300

gtgaccccga cccccactag cctgctccat cccccatgag caactgcctt gtcaatgatg 360

tttcttgtca catgctgctt tgtgctgtac agttgccccc gtggtntaga taactacact 420

gcctgaaagc tgt 433

<210> 6372
<211> 419
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<400> 6372
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tggagcatac aagcgatgaa gatcttgaga cagactcatt ggactgaatt tccccctccc 120

ccccttgatg gaagaaatgt tccagattct aaattgagga cttcactatt aatggcatta 180

ttaactgtgt tatgattgtt aacaaaatat cctgtaaggt acacactaca tattaaggtt 240

ggccattatt cctgtttttt ttttcttttg aagccaagct tacaatgaag ctttgtgttt 300

gaagttataa cagacataga tgaagacggc gactgtacat tatctcactt agagaatatg 360

naaatcattt tgttttgaag ctaggtatta aactggagta gctattacgt tcttgaaaa 419

<210> 6373
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<400> 6373
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tcccctgctg ctggagtcct gccctcacca cagggcaagg ccacctctct ctccaaagcc 120

agcccagaat ctcaggagcc tctgatccaa cttgtgcaag cctttgtccg gcacgtgcag 180

agatagggcg ccgactgctg tctacctgct gctcctacca acctgcactg cagcctgggt 240

agagggcgct gccaccacaa ggccagccac tgagcaggca gctcccttcg tcgtcctcct 300

gcccacccgc tgacattatt tttatatagc taaagaggtc aacagcacgg gcagggagcc 360

aaggggctgg gtgctcagac tcttaacaat atcccaaggt ggcccctttc ctccgagcat 420

tcccatggca cttcaccagc cagggaggcc ctgggtgctg gcagcacagg agagtcctgt 480

gtgtagtgag ggttttccat gatctattct tgca 514

<210> 6374
<211> 437
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(402)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<400> 6374
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acttctgtgg gaatggcccc cacatctcag ttgtctgggg cccttgagat taaaatactg 120

ctctttttc ctacctgtgc aattgtatct taaacaattt gtcatccctg gaagaaggtt 180

ctattagctt tctggganta taatgaagaa ctacaagtta ggtggtttaa gcaaacaaaa 240

acatccctgt cncagtccca gacaccagaa gtctaaaagt attaacnaaa tgttgcttct 300

taaagttgtg ggcaggaact ctntcctggc ttctaccaag gaagcgtcca gctttccctg 360

gttttcagac acagcataat ttctaattgt aattctttnt nntctgctnt ctgttgtatc 420

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<210> 6375
<211> 476
<212> DNA
<213> Mus musculus

<220>
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<222> (220)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

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<222> (307)..(307)
<223> n is a, c, g, or t

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<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<400> 6375
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tctagtaaat tctctccaga ccaaaaaaca ccattacaga taaaagaaga aaatcctgtc 120

ttcaaaacac ctccatgttc acaggaaagt ttggagacag agaatctctt tggtgatgtg 180

aagggtactg gttctcttgt gccaacaaaa gtaaagagcn nnngcantcc atggaggatg 240

tgagcttgca tcagttcttc agttaaaccc ctgtagagtt gctaaaacaa aggctctncc 300

aagcaancca agatacntcc tttgnaaata tccagtggag tgtagaccca ggagcagacc 360

tttctcagta taaaatggat gttactgtaa tagatacaaa ggatagcagt cactcacgat 420

taggaggaga aacagtggac atggactgta cattggtcag tgaaaccgtg ctttta 476

<210> 6376
<211> 452
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<220>
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<222> (418)..(418)
<223> n is a, c, g, or t

<400> 6376
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atcttcgtta ctgagatgcg cggctgttag tgtttgttgt tggtttttgt tttttgggtt 120

ttttttttt ttttggtttt ttttcggttt ttgtttttaa taattcctaa taaaagagaa 180

gctgcatttt tattggattt tatctttaat ttttctacac atctgagggg agcctcagga 240

gactttggct tcctttcttc cccccacccc ctattccctg gaccctctca ctccactgga 300

cctaactgtg ggttcgtgga cctggattta catttctgat tcgtttgagg aaaaaaaaat 360

ttttttcttt tgaagatgtt acatggtgtt ttgaagccan caagttccac cctcggtntc 420

tttttccctc cgcatctgta acttcttttt cc 452

<210> 6377
<211> 490
<212> DNA
<213> Mus musculus

<400> 6377
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ccagagcatt gacgtctctc tgccgctcaa caccttgggc ccagtcatga agatggagcc 120

cctgaataac ctgcaggtgg ctgttaaaaa caatattgat gtcttctact tcagctgcct 180

catcccactc aatgtgcttt ttgtagaaga tggcaaaatg gagcgccagg tcttccttgc 240

aacgtggaag gatattccca atgaaaatga actccagttt cagattaagg aatgtcattt 300

aaatgctgac acagtttcca gcaagttgca aaacaacaat gtttacacta ttgccaagag 360

gaacgtggaa gggcaggaca tgctgtacca gtccctgaag ctcactaatg gcatttggat 420

tttggcagag ctgcggatcc agccaggaaa ccccaattat acgctgtcgc tgaagtgtag 480

agcccctgaa 490

<210> 6378
<211> 289
<212> DNA
<213> Mus musculus

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ctgtccttca tccgtgcatg ccctctctct tcccgtctat taagtgcagc agctgtgggc 120

atttgacaag tgataaatat gtgcacgcac acgcaggagg ctgcaggttg gcctcaaccc 180

tggcacgcac agaagtggag catgggttga ctctgtaggc acctcctgtc cttcctcccg 240

ctgctgcttc tcctcagaag tccgtccctg tgggatctct gttacacac 289

<210> 6379
<211> 478
<212> DNA
<213> Mus musculus

<400> 6379
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gtgtacagtc ttgtgtctta gaagccaatc cttggcgtcg gacattcggt gtttttaatg 120

aacgattggg actgcatctg tccttcatcc gtgcatgccc tctctcttcc cgtctattaa 180

gtgcagcagc tgtgggcatt tgacaagtga taaatatgtg cacgcacacg caggaggctg 240

caggttggcc tcaaccctgg cacgcacaga agtggagcat gggttgactc tgtaggcacc 300

tcctgtcctt cctcccgctg ctgcttctcc tcagaagtcc gtccctgtgg gatctctgtt 360

acacaccctt gatcacagaa gaaccaagaa gctacccaac cccaaactag gagagtcaga 420

gggaagctgg aggctactac gcaaggctgc atatctaacg gcctctttgt gtaaaaca 478

<210> 6380
<211> 268
<212> DNA
<213> Mus musculus

<400> 6380
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actaaggcga catgccacag tgcacacacg tgagcggccc tatgagtgcc gctattgcct 120

acgaagctac acacagtcag gggacctcta ccgccacatc cgcaaggctc acaatgagga 180

cctggccaaa cgcagcaaac cagatccaga ggctagcacc attctagggg tgcagcccct 240

ctctggctcc caaacgacag agagacat 268

<210> 6381
<211> 296
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<400> 6381
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ccgcggcagc nagtgagctg agagaacatt ttgcacagtt tggccatgta agaaggtgca 120

ctgtaccttt tgacaaagag actggctttc acagaggcat gggttgggtt cagttttcct 180

ctcaggaaga acttcagaat gcactacaac aagaacatca tattattgat ggagtaaaaa 240

tccacgttca agctcaaaga gcaaaggctt tgcacggagc tcaaacatct gatgaa 296

<210> 6382
<211> 465
<212> DNA
<213> Mus musculus

<400> 6382
tgtaagagac gatcccattt ccccagacca gaaggaaaac agttttccaa gctgcatcct 60

tggccctggg actcccagca gcccagagcc ggggcctgtt ctggtcaagg acacccctga 120

ggagaagtat gggattaagg tcacgtggag acgcagaagg cacctgtttg cctaccttaa 180

ggagaagggg aagctggatg gaagccagtt ccttgtgaag atctgacagg accgcagagc 240

ttcagttctt cccggagctg ctgtggggag gtttcgcaag tcatcctggt ttgaaaggat 300

gaaaggggac gaacagcaat aggaagacca cttagccaga gtcggagttc ggtttctagg 360

gttccgcctc gcaccaggaa ccgttgaatt tagtgtcatg aactgttggt atttttctca 420

cattaactgt ttagacctct gacgtttctt gtactgttca cagcg 465

<210> 6383
<211> 495
<212> DNA
<213> Mus musculus

<220>
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<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (414)..(414)
<223> n is a, c, g, or t

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<222> (420)..(420)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<220>
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<222> (467)..(467)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

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ttgtggtggg agggagcaca atggctgtgt agttaagaat gatcttgaac ttttcctctt 120

gtcttcatct cccgagtaat gggattaaag gcgggcacca ccacacccaa tttatacacc 180

ctatttnttt gtacagagct aggaatccaa gggttttgtg catgctagac aggcacttta 240

caaagctaca tctccagccc ctaggcgtgg ttttttaaag tattttgtac cctgctttgt 300

actccanatn cctagnaggt ncccagtatt ttnttagctg atattgaagg acagtaacta 360

gagtttntgc tacacactat tttaagtctg gggaaaaagg agtagacacg acantctttn 420

ccttaattgc gactcttgac actggaggag acantcaacc ttgtntnttn gtagatgtct 480

cacagttaaa gtact 495

<210> 6384
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<400> 6384
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tcagcaccat gtgatggggc ccatacctca caggcccatc ctcagtacca tcagcttgca 120

gggactgagc cgtgggctgc ccagaatccc caancacntg attctgtcat cctctttctg 180

ccactttgtc tatttctgtt tccttttcat cttcccttgc actgaggtcc tggaggcctt 240

gatgaggccc agcaaaggca ttcccaccgc tgagttcaga ggctttnggg ccacttactc 300

agtactctgg gaaccccagg ccaggaggtt acgggtctct atcgtcactg aggaaaacac 360

cccctacccc tgctctgggg tttcctgctt cattcctcaa gcaggcaccc aggctttaga 420

gaagtatagg aatgcctaac accaggcctc ttccctcctg ggcttaccaa tgtgttccca 480

ggc 483

<210> 6385
<211> 580
<212> DNA
<213> Mus musculus

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<222> (150)..(151)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (456)..(456)
<223> n is a, c, g, or t

<400> 6385
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ccccagctgc cagcctccca ggccttgtag aacccccagg tcttccacca gctagccttc 120

cagagtctac ccctgtccca tcttcctcgn ntcccccact ctcttcacct ctgcctgaag 180

ccccccagcc agaggaggag ccgtcagtgc ctgaagcccc cagcttaggg ccccccctcgt 240

catccctgga gctgttggcc tctctgactc cagaagcatt ttcactggac agttctttac 300

ggggaaagca gcggatgagc aagcagaact ttctgcaggc ccacaacggg cagggtntaa 360

gggctgccca gcctacggat gacccccctca gcctcctgga tccactctgg acactcaaca 420

agacctgaaa aggctttgcc tatctgatcc ttacanctac acctcccatc cctgctgcct 480

tcagctctgc cagatggaga tgcactgcag gcctcagatc aggctctgct cccttgagga 540

acctgacatt tttccagccc tgggctgctg aaataataaa 580

<210> 6386
<211> 143
<212> DNA
<213> Mus musculus

<400> 6386
gctgccaaag gtgctttcat ggttcctgcc cgggagcttc gcagcaggag acgtcactac 60

tcagtggcag gcagaggagg ttaacaatag cacagaatga cctgggccag tgcaggaaac 120

actgcttcaa accacgagtc tct 143

<210> 6387
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<400> 6387
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ccctgctggt acgagtggaa taaggggtga cataccacta ctccaagcac agccgggcct 120

caagcccagg actcttgaat gacgactgcc tccacctcat tcccgtgact gagagcatgt 180

ccagtgctgt cctggcaagg aggagcacgt aggcaggctt tgatttagag caggtgtgaa 240

gcacatctct acattcaggg cccagcacac tccctctgct gagagggagc ccagctcgtc 300

tcgggtcccc ccttcatgca ctgacttggg gaacatgact ccctattatt accctccccc 360

atatcactta atttatttcc gtttttgttt ctggttactg tgaatcccaa aggagtctct 420

ctgtgcccac atgaagctgc tttttccgtg gccactgggc gccatgggga gggagtgggt 480

aaaaggaagg gctgcccgag gacgctgtgg gcctctgtac agttgttact g 531

<210> 6388
<211> 316
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (210)..(211)
<223> n is a, c, g, or t

<400> 6388
aaacactgga tctgccaggc ctagggtgtg aggcaaagag atgccctacg agtatcccag 60

tctggcaggc atagttacta cacagaagga aggccaaagc cacacttgct ttgtaatgtg 120

gctgttgcac ccagcccttc ttggctcaaa caatttttt tatttctgaa taacttttg 180

ggggtagaaa ccaaatttct atatacacan ntacatacac acacatgaat atgtgtgtgt 240

gtgtatacat atatatgtat atgtacacac acacacacac acacacttac ttttgagggc 300

ctatttatgt tctgaa 316

<210> 6389
<211> 478
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (91)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
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<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(101)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<400> 6389
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aagagggctc tggaggatac tttagaacaa nnntnatntn nttnaancaa ngttttatcc 120

aagctgaaca ccatgaaaat ggaaagcaag aatactgtga agatgctgaa ggaagagatt 180

caaaagctgg atgaccttta ccaacaaaca gtgaagataa ccagttaact gtgcagacca 240

caactgaaga aagaagaaag gtgggaaaca acttacaacg tcttttggag atggtcgcca 300

cacatgtagg gtctttggag aaacatcttg aagaggaaaa tgctaaancc gacagagagt 360

acgaagaatt catgtctgaa gatctggaaa acatcagaga gatcgaagag aagtataaga 420

gaaatgctgc ccaacttaag gctcccgaca aatgaagata atctttcata gacataac 478

<210> 6390
<211> 503
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<400> 6390
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cccactaata aagaatccct gtctttaaag accagagcca gtcctttaag ccatgttctt 120

tttcagtaag ccctcagaat attggagtgg tccccaaatc actccagact gtaagacagc 180

tctcctatgg aatgctttta ttgtcattga attgacaggg aagtttggtt gagatgtggt 240

ccatcatctt agaggctcag atctgttgta tcagttgagg gggaccttgg gcctgcctgg 300

gatttctctg ccatctatgt aatttcatca gtctctcngg ttgtggacag ccgataccag 360

tttcccctga tctgcagaga ggaagacttc cagtgagcag aacaggctct tgctcacttt 420

tntcctaagt tgttgcaagc tcttgttttc ctcactgtct gtanccataa ncctgatggt 480

gggcagagtt agcagacctt taa 503

<210> 6391
<211> 483
<212> DNA
<213> Mus musculus

<400> 6391
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acatggacag tttcaagtta gaaagagagc gtagctatga cttagtgcgt aatgctgaaa 120

ctcattccct gccctcagac acatcctact ccgaacagga ggactctgag gatgaagatg 180

ccatctgtcc agctgtgagc tgcctgcagc cagaaggaga tgaggtggac tgggtccagt 240

gtgatggcag ctgcaatcag tggtttcacc aggtctgtgt tggtgtctct ccagagatgg 300

cagagaagga agactacatc tgtgtgcgct gtactgggaa ggacgcacca agccgaaagt 360

aaaaacaaaa cacacactca cttcatgtaa ttcaggactc caataaagaa gatttcctca 420

atctcagcaa agctacagga ctggggtcga gccagcctgt acacggtgct atttctattc 480

ctt 483

<210> 6392
<211> 503
<212> DNA
<213> Mus musculus

<400> 6392
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aggcttaata gacacgaaca cacttgtatg gtatgcactc aaactcagat tgctgtttct 120

tttaaaaagt catcatttgt attgacatgc ttctgttcct agttccagtt tggaggtttt 180

ataaagttat aataataagt taatgtgttc atcttcatta ttttgcatgt gacctaatct 240

gaaaagtaca tgtagtattt gacattgata ttttaatact gtagaagcta aaattaacaa 300

ttcttctata taataatctg ggttccataa atgagtttca gagaacttgt gagcccttcc 360

aaaattgtgt gtagagtttg gaatatatgc atttttattt cttaatcttt gatccatcat 420

aatatatgta tttttctata tggtgtaaga tttaagagtt aattttattt ttgatcaaaa 480

cagctatttg tctcaacacc att 503

<210> 6393
<211> 459
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<400> 6393

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acgtggatca gaaggttatc caagcnaggc atgtttgacc agaagtcatc cagccacgag 120

cggagggcct tcctgcaggc cattctggag cacgaggagg agaatgagga agaagatgag 180

gtaccagacg acgagaccct gaaccagatg attgctcgcc gggaggaaga attntnatct 240

ttttatgcgc atggacatgg accggcggag ggaggatgcc cggaacccga agcgcaaacc 300

ccgcttgatg gaggaagatg agctgccctc ctggattatc aaggatgacg ccgaagtgga 360

aaggctcacc tgtgaagaag aggaggagaa gatatttggg aggggctctc gccagcgccg 420

ggatgtggac tacagtgatg ccctcaccga gaagcaatg 459

<210> 6394
<211> 466
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<400> 6394
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gattgcncna ccatctccca gcaagacacc agttgaaaac cctttgaaca ttatgttgaa 120

cattgtcaaa aacgaattgc aagaaccctg tgaaagtccc aaagttaagg aagaacaaat 180

tgatgcccca ccagcttgtt cagaagaaag tgtagcaaca cccactgaaa ttaaaacaga 240

aagtgataca gttgagtcag tttaaataaa atgagaaaag tatgcttttc tttttnaaca 300

aaagctgctg ttggatctag gtgaagaatt tttttatgta tatatagaaa tatctatatt 360

aatntgtcta gctgtggcag gnccttcagc tatcatttgg ttaataaata cattttagta 420

tttgcatttc ctactgcctg cacagtttca ggtgcttgtt gtgtga 466

<210> 6395
<211> 521
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<220>
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<222> (413)..(413)
<223> n is a, c, g, or t

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<222> (418)..(418)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

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<222> (438)..(439)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (479)..(479)
<223> n is a, c, g, or t

<400> 6395
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aaacagtaat gcttatttaa acttggacac tgatgccatc aagcaactaa caaatatatt 120

taagtactaa aagtgatttt acttttaga aaatattttt aaaattgtca atttaatgca 180

gatgaacaca tttctatttt aagttacagg gattctgtat aagaatgttc atatgaaaaa 240

catggttaac ttttttctt tgttggtttt gattgaatta gatgggtaac atgagatgtt 300

aatattcata catgtnataa actgaatgat gaacaannnn nnnnnnnatt tcttgagtga 360

ccttagaatg tgacccttat gtntaatgtg tgtnttnaaa catgantnca gtnccagnta 420

tgagccatan tcccagannt gatattattc catttataga agatanatat acagtattna 480

aacttgtgat ttttttccg tgggagatgg aaggcttttt t 521

<210> 6396
<211> 526
<212> DNA
<213> Mus musculus

<400> 6396
gttgaaagca cccattacct agtagtccta atccttaacc ctaagtgtaa atagcagtgg 60

atagagcgag agcatttgct gcagttaaat gggaagcgcc atgatttgta tgtgcatttt 120

acacttgcta ctgcagtgat ttgattagga tcttcctgtg tagattgtta ggcatcaaat 180

cgttgtagat caagagttgg agctgagtta agtgaggaca gcctgtgtgc acagtgtgtg 240

gtatggtcct cctttctgtg tgtttcataa cttcctgctt ctctgacctg tccatagcgt 300

gtggggagtt tgcagtgtgc acttactact agttagtctg attgtttcat acacttttgt 360

ggtggtgtag atcatgttta ctgtcactgt tttcctgtca tcatagttct tttggtatat 420

atttctgtgt ctggtgatat attaaagtat gtccttgtaa actttttgt aaaagttatt 480

tcctaaatat aaaaacatta tgactagcac cactatgtct tcttaa 526

<210> 6397
<211> 209
<212> DNA
<213> Mus musculus

<400> 6397
gaaacagttc gggatggctc ccagcattgg gcctgtatcc ttccccgagg cacaagaggg 60

cctcatgggc attggacgtc gtcccttcag ccagggcctc cagcagatga tggaccatga 120

agcaaagctg ctggtggcca aagcctacag acacaccgag aaggtgctgc tagacaacct 180

ggacaagctg caggcgttgg cgaatgccc 209

<210> 6398
<211> 552
<212> DNA
<213> Mus musculus

<220>
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<222> (186)..(186)
<223> n is a, c, g, or t

<220>
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<222> (188)..(188)
<223> n is a, c, g, or t

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<222> (266)..(266)
<223> n is a, c, g, or t

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<222> (282)..(282)
<223> n is a, c, g, or t

<220>
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<222> (304)..(304)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (317)..(317)
<223> n is a, c, g, or t

<220>
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<222> (320)..(320)
<223> n is a, c, g, or t

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<222> (332)..(332)
<223> n is a, c, g, or t

<220>
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<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
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<222> (365)..(365)
<223> n is a, c, g, or t

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<222> (370)..(370)
<223> n is a, c, g, or t

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<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

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ggtgaatggt aaggacatca atgtgttggt gaggtgtcaa caatttgata aaatctgtat 120

gtgctgactc cataggctaa agcagaagga ttgtaagtta ggcattgtga tagatgctaa 180

aaaaantnta gggacaaaaa taagctcaga ttattggttt ttctttttta acataggatc 240

tcatgtagcc cgcactggcc ttgaanaccc tctgtagcca gnggatgacc ttgaactcct 300

gatnttttna tcttcanttn tcaatgggta antcntntgt ccccccatgc ccagctagac 360

ttagntttтn tccttattac tatatagcag gaagatggac attaagttac aatcattttc 420

atttgggatt aatgtagtga aattctttat ntctnccttc tattctaatt tagaggctcc 480

aatagagctt taaggctggg ttccagatca tactcatctt tgttcttgca gcttgcctat 540

ggtgtgactt aa 552

<210> 6399
<211> 537
<212> DNA
<213> Mus musculus

<400> 6399
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cagaaccagg gagtgcaata caaagactat tgagtgctgc tcacatttac aaaaacgaac 120

actacttggt agaatcttag cacactttcc ttgtctcatt tcatttcttc tgaggaaaca 180

ggaaagttaa ttcataattt ccttttccct ctcaagcact ttttaaattt ccagagacct 240

ctgatcaagg gtcattttta gagcctttg atgtgtgttt aatctcactc aatgttcttt 300

tggtgactgc agtgatactg agcctccgtg ggaaggctta acagttagag tgcactttaa 360

ttcattaatt cacgatccat gtggccttat aataatgggt caaggaaccc atttcattct 420

tgcctgccaa agagttacac agaagcacat caaacaccag cacttcacct gcacgaaggg 480

atgagactgg gatccctgag taaacttctt taatagtgtg tgctatgcca tttggaa 537

<210> 6400
<211> 531
<212> DNA
<213> Mus musculus

<400> 6400
tgaaccacat gcagagtcta cgcttcgagc ataagctgta tgctcaggtg aaacagaaga 60

tggaggagat gcagcagcac aacatgtcct ggatcgaggt gcagttcctg aagaaagcag 120

ttgatgtcct ctgccagtgt cgtgccacac tcatgtacac ttatgtcttc gctttctacc 180

tcaaaaagaa taaccagtcc attatctttg agaataatca agcagatcta gaaaatgcca 240

cagaggtgct ttcgggctac cttgaacgag atatttccca agattctctg caagatataa 300

agcagaaagt ccaagataag tacagatact gtgagagtcg acgaagggtt ttgttacagc 360

atgtgcatga aggctatgaa aaagatctgt gggagtacat tgaggactga gactggccct 420

gcataaaatg aactctgaaa actttaccat ctagagtgct catgcaatta aaacaaacac 480

aaacaaggag gcactaagcc tgttctgaca ccgctggtct gtagtaccag a 531

<210> 6401
<211> 553
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (522)..(522)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (526)..(526)
<223> n is a, c, g, or t

<400> 6401
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aaaacattct ttttgactct ttcactggtg aatgtgtaca tgtagatttc aactgtcttt 120

ttaataaggg agaaacgttt gaagttccgg aaattgtacc atttcgactg actcataata 180

tggttaatgg aatgggtcct atgggaacag agggtctatt tcgaagagca tgtgaagtta 240

cactgagact gatgagggat cagagagaac ctttaatgag tgtcttaaag acttttctac 300

acgatcctct agtggagtgg agtaaaccag tgaaaggaca ctccaaagca ccactgaatg 360

aaaccgggga agttgtcaat gagaaggcca agacccatgt tcttgacatt gaacaangac 420

tacaaggtgt gatcaaaacc cgaaatagag taacagggct nccattatct attgaaggac 480

atgtgcatta cctcatacaa gaagctactg atgaaaactt antctntcag atgtaccttg 540

gttggacccc ata 553

<210> 6402

<211> 499
<212> DNA
<213> Mus musculus

<400> 6402
aacgaaacac tagagcagtc caacaaaaat cacttgactg aaatttctaa gtttcaggtg 60

agatccatgg caccctagt tattgatcag acagaaggac ccaagtcaaa tacagaaaat 120

gccatagcaa tgaatgaaga cagccaactt agcagccgca ctaaagccat catatcgaag 180

accaaacaga tcgaggaggt ttacctacaa tattgtgaga cttttgcaat agtggtgaaa 240

atgctgcttg acaaagaccc ctcattacaa aagtctatcc agtttgcact gagacaaaat 300

ttacaggaaa tgagtgagcg ctgtgttgaa gaactcaact gtttcattac tgagtatgat 360

aattctcaag atttcggaga ccctttaag aagtagtaca caggtcaaaa aaatttttt 420

ggttcttttc tccttggatt gtgtaaatcc ttactatttt gtgatgaaga aaaatacttt 480

gacagctgga tgcatttcc 499

<210> 6403
<211> 468
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (354)..(355)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

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<222> (411)..(411)
<223> n is a, c, g, or t

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<222> (413)..(413)
<223> n is a, c, g, or t

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<222> (415)..(420)
<223> n is a, c, g, or t

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<222> (422)..(422)
<223> n is a, c, g, or t

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<222> (424)..(424)
<223> n is a, c, g, or t

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<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(435)
<223> n is a, c, g, or t

<400> 6403
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aggcacacaa catgtagtgt cctgataagc acttagactg atgtggcaag cagttgcaaa 120

gtagcaaata cacacatttc ctcttctcct ccccttaat gaaaaggctg tgaaaccttt 180

aaatcttgtt tttctgatga gatggtattg aagtgtatac aacttttaag tttgctggaa 240

tactaaaaag aaaaaactta tgagctgtta tgtctttagt tctctctctt gtgaacactt 300

aataaaaagg tgttctcang atganagatc atttatgctg catgctaaaa ccannaagta 360

attttcacag tangtgactc catataaatg aantgtggta acaatactgg nanannnnnn 420

tntnccagta ntnnnaccac aattcattta tatggagtca cctactgt 468

<210> 6404
<211> 283
<212> DNA
<213> Mus musculus

<400> 6404

cacagaagac tgttcaaccc actcttcagc tagtgagtga aaaaaggaag tcttccaaga 60

gtctctgctt ttgccttaac tctgatccct ctgatgtggc attgttcttg cctctgagtc 120

cttgaatgct ggactatgat agggtgggac caatgtctac atctccatcc actggggccg 180

aggctgctgt ctgagaaagg tggctagggg taggcaggat gatcataact cccatcctgc 240

gatgtcatca tatggaacat ggccagtcca gagtcagggc ttg 283

<210> 6405
<211> 184
<212> DNA
<213> Mus musculus

<400> 6405
gaagcttgcc aaatcttctc agatcatagc agaacttcag acaaccattt cctctctgaa 60

agaggagagc agtcggcagc agcttgctgc agaaaggcgg ctccaggatg ttatacaaaa 120

gtttgaagat gagaagcagc agctgattag agataatgac caagcaatca aggctttaca 180

agat 184

<210> 6406
<211> 412
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<400> 6406
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ggaggaattt tatcagggaa aacaggccaa tctgtgaggc aaggaagttg ggagtcactt 120

tgtggcatct tctccaacct tccaaacaaa aacctgccgt tctcacctgc tgatggctgc 180

cctgggtgga ctcaagtcag acaatgctga ctcttgactc tgcccttggc agcacccaca 240

tcctcttgtt ccgaatccct tttctccctt cctcctctgg ctcctcaaat aagagatgca 300

gagatgaggt ccttctggat ggaaagccaa aaaanaaaaa attttcctgt ctctcctcct 360

cctcccnccc ccccccatta aaatggagag agacaaagaa gtcctccttc cc 412

<210> 6407
<211> 306
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<400> 6407
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cagtcagtga gatcgtgctc aaggttaact acatcctgga atcacgagcg agcactgccc 120

gngctgatta tcttgctcaa aaacaaagaa aactgaacag gcgaacaagc ttcagcttcc 180

agaaggagaa gaaatcaggg cagcagtgac actggcctct agtctggtgc cacagcccag 240

gtggcctgca aggccaggtg gaccggagtc caccagcatc ctgtagtgcc gagacccgca 300

ggcaca 306

<210> 6408
<211> 439
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

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<222> (167)..(167)
<223> n is a, c, g, or t

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<222> (175)..(175)
<223> n is a, c, g, or t

<400> 6408
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ttccacaatc tcttctgcag gagagcgggc nattaacaat ggatatgtga agttcttgat 120

gataaactta aaaaataaca gagaacacct acctcttgtt ggaaaangtt ggccnttgaa 180

tggagaactg actgtttaaa tggccgtatt gagagttgca ttgtagtgga tatgaccttg 240

ctggatgagg acaagaagcc catctggtat gtgagttctc cagtgtgctt gagatctgcc 300

tgccttcctg atttcccgca gccggcttac tctttcgagt acatggacag cgtaggagga 360

gtgtgcgcag acctagggtg gtttgaaaat accgatgaat acttcattgt cagactggac 420

atttacctca gtgtagcaa 439

<210> 6409
<211> 363
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<400> 6409
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agaanantga cccatttaca gccaagctga gctttgagca aggtagctct gagtttgtgc 120

ctgtggtggt gaaccggtca gtactacgct ccatgagccg aagagatgtt ctcatcaagc 180

gctggccccc gccgctgcaa tggcaatatt tccgctcgct gttgcctgat gcctccatca 240

ccatgtgccc ctcctgcttt cagatgttcc attcagagga ctacgaactg cttgtgctcc 300

agcacgcctg ctgcccttac tgccgaaggc gtatcgacga cactggcccg tgagcagcga 360

cag 363

<210> 6410
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

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<222> (261)..(262)
<223> n is a, c, g, or t

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<222> (264)..(265)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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<222> (279)..(280)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (289)..(289)
<223> n is a, c, g, or t

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<222> (294)..(294)
<223> n is a, c, g, or t

<220>
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<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (311)..(311)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<400> 6410
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attgattagt tatgtgaaat gctgacgtta caacactgca gttactgata caaatggtgt 120

tagctggaaa tattaaagca ttcttatatg ttttgcttat ttctagtata ttcttcagaa 180

agttaagaca tgtttcatgt ccaagtgctt aagtcttagt atagtgttta tgatcctata 240

aaacaancaa taggatgtna nntnncttttt gtttnattnn ttgggtntna tttntacttn 300

atccntttna naagaatagt gtatcagtac aatgtaataa catgattttc atganacagt 360

agagactgaa nccttttcaaa gttatttgat ttttagatca tcagacatgt aatgaaaatg 420

gttcagtttg caatgtgagc tttgtacttg gtggtatgac aaatgtttgc ttttataata 480

tacagatttt ccttgcaaa 499

<210> 6411
<211> 493
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<400> 6411
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tgcagcagga ccccaggcac tacctgcacg agagcgtgct cttcaacctg accaccatgt 120

acgagctgga gtcctcaagg agcatgcaaa agaagcagag cctacttgag gccgttgcta 180

gcaaagaagg ggacagcttc aacacacagt gcctgaagct ggcttagttc cctccaggtc 240

tctgtacctg cagacacttg agcagatggg tcagtaaaag catttgatgg gtgtgcagga 300

gcatnccttc ggctggctgg gctaccctca gacccnctga cctncctacc atgcagttgc 360

acaatactnc ctgttggtga aggtgancca tatgcatggc attcagaaac agggaacata 420

aggacatggg gttcccttgg tttgttcatg gaagctaact tgttctttgg tcacttctga 480

atactcgttt ggt 493

<210> 6412
<211> 358
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (164)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<400> 6412
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gggtgttgaa gtggtgtaca aagggagaga aagtctggga tgggcagggc ttttgaagag 120

tgggggctgg tgaaacacaa gtttagaaat gaatttaacc atcnnagcca tgtatgaaat 180

tcacttctag aggtggcccc tgatttcccc aagcctcact caggacagaa ggcaccattc 240

agttcagcct tctgcccccc ttgcctgacc cccaagcctg ggtaccgcaa acaccaaggc 300

ctccagacag tgcagggcag gtgcnagggc ctgagatgct gacagcaggt tctgcagc 358

<210> 6413

<211> 529
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<400> 6413
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catcaagaaa agacttcagg aggattattg catgtataca aagcctgaag actttgtagc 120

tgattttaga ttgatctttc aaaactgtgc tgaattcaat gagcctgatt ctgaagtagc 180

caatgctggt ataaaacttg aaagctattt tgaagaactt ctaaagaatc tttatccaga 240

aaaaaggttt cctaaggtag aattcaggca tgaagcagaa gactgtaagt tcagtgacga 300

ctcagacgat gactttgtac agccccggaa gaagcgtctc aagagcaccg aggatcncca 360

gctgcttaag taacnccgca ctgggccagc gcgctgtgct agagatttct catcaaaact 420

aaagacagca aaaggcttgt cagtgatcta agggtttgtg agctntctgc tctgtttttg 480

ctgtttactg gactttggtt tctttcataa cccatttctt taacctctt 529

<210> 6414
<211> 282
<212> DNA
<213> Mus musculus

<400> 6414
aaggatgggc tcttcggtta tcgatgaaat ctctgtagaa gaggtaaata agatggaatc 60

ccagttggaa aggcattcta aacaagcaat gcaaatccaa gaacagaaag tacaacatga 120

agaagcagta gttaagttac ggcacagtga acgagacatg agaaatacac tggaaaagtt 180

cgctgcaagc atccagggct tatcagagca agaagagtat ctgtgtgtac aaattaaaga 240

actggaagct aacgttctta ctacggcccc tgacagaaaa ca 282

<210> 6415
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<212> DNA
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tttgccaaga ccaagaccac cttgcgccgc agctggagca gttccaccac ggcaggtggt 120

ctggagggga ccgtgaagct ccacgagggg tctcaggtcc tgctcacaag ctctaacgaa 180

atggccacgg tt 192

<210> 6416
<211> 267
<212> DNA
<213> Mus musculus

<400> 6416
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tttgccaaga ccaagaccac cttgcgccgc agctggagca gttccaccac ggcaggtggt 120

ctggagggga ccgtgaagct ccacgagggg tctcaggtcc tgctcacaag ctctaacgaa 180

atggccacgg ttagcgtcac tgaaggggtc cgtgctaaaa cccagtcaac agtgccaatg 240

gcagtggctc tgacagtgct ctggaag 267

<210> 6417
<211> 504
<212> DNA
<213> Mus musculus

<400> 6417
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ctggaagatg ataagaagcc ttcagcttca ccctctacca ccaccgtggc aacgcagacc 120

ctgccgcaca gtggctccgg cttcctcgac tccgcatatt tcagacttca agaatcgttc 180

ttttatctcc cacaacttct ttttccggaa aatgtaatgc agagtaaaga tgatagcctc 240

gtggaactgg aacacaggat cgactttgaa ctcagagaag gccttgtgga gagccgctat 300

tggtcagccg tcacgtcgca cactgcctat tggtcatcct tggatgtcgc tctttttctt 360

ttaacattca tgtacaaaca cgagcatgat accgaggcca agcccagcct aggttcactc 420

tgaactcttg aaggacgtga atgcccaaag cttttctgtt aaacatgtgt caagatgcag 480

agacttcaag gttccagttt tgtt 504

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gtgtacagtg ctaaccagag catggtgact cggacacaga aaatggatgg acgctgaggt 120

actgggggg tctgagctgt agatattttc caccatgctt ttcatctgtg atgtgcatcc 180

agcaaccccc gtgtgtatgc ttcctgaggt aagtgtgcac gttaccatgt gttaccatgt 240

cacatgttca tacactgagg caccagtttn tnaagtgcct tgcnttagat cacacagcaa 300

atgganagag tgtggnttna aagccagacc atnttctttc ctgtgcntgn tnaanggtgt 360

cactcancca ntgaccttga gaagcctgna nannntnnnn nnnnnnnaga nggccataaa 420

gcccagtgtt acctagcaga tgcagtcgag attcttacac tca 463

<210> 6419
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<212> DNA
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<223> n is a, c, g, or t

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aataatccac cagattctca tctattagtt aaancccccа aacagactcc tttatcgcta 120

tcaactcctg catcttttat gaagtttgga agtctgaaaa aaatgagaga ggaccgttgg 180

acaacgattg ctaaaattga taggaaaaga agactaaagg aagcagaaaa gttattttct 240

taatttcaga aaaccaatgt tggttacaga gatgaaaaac attaaatagt tatctttatt 300

atttccaaga gagccaaact ttaccaagga attcatattt taaaattaat tacagaaata 360

acttgggttt atgttactat atttgtggcc taaaaataaa ataactatat ttcatctgaa 420

tttttattgt attcagatac ttaacatttt gttgctttta cttgcaatgg atattgaagt 480

tcgaagtttt ttaacttgag cttttgatca ttagaa 516

<210> 6420
<211> 283
<212> DNA
<213> Mus musculus

<400> 6420
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gagctcagtg attgatcgga aagacttaat catcaaaaga attaagccca agccccaaca 120

aggagatgac atcacggtgc tggatgtgga gaagcagatc gaggccttcc gcagccgcct 180

ggtccacata ttgggagaac ctttagtccc ccagctccaa gacaaagtgc atttgttgaa 240

gctgctgctc ttctatgctg cggacttgaa ccccgacaca gag 283

<210> 6421
<211> 316
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (87)..(87)
<223> n is a, c, g, or t

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<222> (97)..(97)
<223> n is a, c, g, or t

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cccaaagata cnagccggct gaagaancac atcaccntgc tgtgtgatag gttagccaaa 120

ggtgggcgtc tctgcgtgag cacagatgca gcggccccgc aggccatggt tgtgccaggt 180

ggctgtactc caatcccaga gtcagaccta gaggaaaggt cactagatga ctccacagag 240

ctgtttacca accacaagca cctcatgacc gagcccccca tgcctgaagt ctcagcccgc 300

caaggagttt tggaat 316

<210> 6422
<211> 354
<212> DNA
<213> Mus musculus

<220>
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<222> (292)..(293)
<223> n is a, c, g, or t

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aaccacactt gagagcatac gtacattcat ataatgttcg agtttggact gttcttgtta 120

atgtactttc ttaggattaa atgtcaggat tctgttcata ctaagctatt tgaagaaaaa 180

gtgtttagta ctgtttgcat aaaagaacaa ggagatgagc aagatgaatg ctggtttcaa 240

tggggttgtt ttaagaaatc agctattttc agaatacatg ggatttttt tnncaatgtt 300

agagaaactg tgtaatttac cataatcctt aagctctgga acccatacaa gtga 354

<210> 6423
<211> 205
<212> DNA
<213> Mus musculus

<400> 6423
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cctccaagag gacgtctgtc ctcgtcctcg ttactgctta gtggaacaac ctgctgacct 120

ggacaacttt gccaggattg gacacctgta agaaagcact ggccatcgac tacctttgag 180

tcagccagac agcacgtgct gactg 205

<210> 6424
<211> 409
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gactacgagg accagaacac tgcctacttc tggaaccgct tgagcttctg gaactatgcc 120

cgcccgcctt ctgtcatatt ggagccagat gtgttccctg gaaattgctg ggcttttgaa 180

ggtgataaag gccaggtggt gatccgactg ccaggtcatg tgcagttaag cgacatcacc 240

ctgcagcntc ctncacccan tgnnncanac accggagggn ccancancgc ncctnggnga 300

ctttgcagtc tntgggctcc aagctgatga cgagactgaa gtgttcttgg ggaaattcnt 360

ctntgatgtg cagaaatntg aaattcagac tttccacctc cagaatgat 409

<210> 6425
<211> 334
<212> DNA
<213> Mus musculus

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<222> (265)..(265)
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<222> (301)..(301)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctgaccctt gagcttggtt ctttaagttc ctacctgtat ctttttagtc cgatgtctat 120

ttggtggagc agatattcat aactgacctg tgtgtcttct agaatgttga actttggaag 180

ctatgctttt ttctgtagct ttggtgtttt gtctaagaaa tacattaatt ctaggagaac 240

taccagtnnt ttgctgggct ntacnattca ttccttttgg acaatggant ctattcctnt 300

ncnnnccttg tgataccttg ttatgcttct gaaa 334

<210> 6426
<211> 107
<212> DNA
<213> Mus musculus

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tagaaaatga gcgcaaggct gagattgtcc aagtgatccg caatcct 107

<210> 6427
<211> 183
<212> DNA
<213> Mus musculus

<400> 6427
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gcctgtagcc aaggtctgag ttcaggacag tccataggcc tcagcaaaca aggcacttct 120

caggccactg actgacacct ctcctggagc cagcacacca acgctgtcac attaagacgg 180

aga 183

<210> 6428
<211> 473
<212> DNA
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<223> n is a, c, g, or t

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<222> (431)..(431)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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agaacgacgt ccgcgaggtt gttgaagatt ggaaattcat agcccaagtt ctcgatcgga 120

tgtttctatg gacgtttctt ctggtttcaa tcattgggac gctagggctt tttgttcctg 180

ttatttataa atgggccaat ataatagtcc cagttcacat tggaaacaca attaagtgaa 240

accaagaaat tacactggac ttagtgagca gtcaagcagc tcttaggaca cgtatgccat 300

tatgaaaata tttacaattt gatataggca gtaacagatt agcnagtttc tgacattggc 360

ttaatgttgt ccattagaac tgnagtaata gccttgagta ccaacactgt ccgcctgcac 420

tagtgaaggc ntaccatcgc atcctggnaa atcctactaa cttgcaacca gtg 473

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<211> 380
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tacaaccaga tccttagaat tgaggaagag ctgggcagca aagccaagtt tgctggcagg 120

tccttcagga acccccctggc caaataaagc atggaccgga gatccctgga gccaccagct 180

gctaggtcct ctgtccctga tgtcatccca gcagctcaag gncagcccag tgcgtgcccc 240

tcccatgtca ctgcttcctt aggtatccac acntgancac cagaatccct gctggagacc 300

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agtgtctgga gccctcggaa 380

<210> 6430
<211> 101
<212> DNA
<213> Mus musculus

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tttgggccca gtggagaagc agtaacgtct ttccagctgt c 101

<210> 6431
<211> 335
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctgatgtatg aatagacttg atttaaccat cctgaagtgt ctagacagaa cctcatgtgg 120

cattctatcc cataaattca cacaattttg atctgtcaat caacaaggag atgagtaaaa 180

gcacagatga aaacaaagac agaaacatag tgggccacac ctcctacctg ttcctgtgag 240

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ccctagctac taggcagcca ccaatctcaa tcttc 335

<210> 6432
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tggaagaaat gcagaaggct ttcaataaga caatagttaa gcttcagaat acttcacgga 120

tagcagaaga gcaggatcag cggcaaactg aagccatccn cnnnnnccag gcacaactga 180

ccaacatgac acagcttgtt tcaaacctat cagcaactgt agcagaatta aagcgggagg 240

tttcagatcg tcagagttac cttgtcatgt ctttggtttt atgtgttgtc ttgggactga 300

tgctctgtat gcaacgctgt cgaactactt ctcaatttga tggagattac atttcaaaac 360

ttcccaaaag taatcagtat ccaagcccta aaaggtgttt ctcttcctat gatgacatga 420

atttgaaaag aagaacatca tttcccctca tcagatccaa atntctgcag tttactgnca 480

aagaagtaga tccgaatgat ttgtacatcg tagaacccct caag 524

<210> 6433
<211> 406
<212> DNA
<213> Mus musculus

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ggccctggac gcggccaccg gggactacgg cggaggcgtg ctcggcgcca acctgctcta 120

tggcagaacg tggtgatgag ccccgagggt ctgcctgcga ctcgcaggat ccgccaagaa 180

actgcaagaa cggatggggg aaatgtacag atgctgaccc tttagtgcat ggagataaga 240

acgaatgagt cacggagagg gtcaggctgc tctgaacctc tttactgggg gtgggagaag 300

gcaacagccc cggaccgaat aatgtgacac cacactctga ggtggtgatt tcccttcttt 360

cagaagttcc taagttatgc ggaagaactg actgacggaa tacgca 406

<210> 6434
<211> 536
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (462)..(462)
<223> n is a, c, g, or t

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aaattagaat ctgaatattt ggctgaggcc atatattgga agttgaattt atggaaaaaa 120

gcacaaacaa ccttggaagc actttgcaca ccgtgatgaa cttcctgggc ccaaaggtac 180

cagggcaaat aactggcacc atctaccctt tccaagtgtt tagttactgg atcagtggtg 240

agaataatat taataaaaca agctatctct gacatctagt acacatgtat aaatctgctt 300

attttcagcc tgccgcagag gcatactatt tatttttttc agtgtcacat ttagaatggt 360

gatggtttac agatcttcat atttttgttt tacagtttan acnnnnantg tnagcnactg 420

ctnacantga anctnggaan ctnactggtt tanaatctgc tnaccctttc caaaattaaa 480

tccttggaaa gctgttgaac ccaaagcttt tgaacctgcc aaacagatta cccttt 536

<210> 6435
<211> 242
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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agcacactgg agaaggcagg ggtagctggt ttctacgtga ccaccaatcc tcaggagctg 120

acgctgcaga tgaacctatt ggaactcatc aggaagctgc agcagagggg ctgccnaagt 180

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ct 242

<210> 6436
<211> 430
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (340)..(340)
<223> n is a, c, g, or t

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aactcatcag gaagctgcag cagaggnnct gccaagtggg aaaggcagct ctgtgaccaa 120

gcaggggtc cttgctgtcc tccgttgcct aggatggctg gcgggtgcca cagccttgac 180

tgtgtggggg ctactgtcca gctgccaaca ggtctgatct ctctgagggg ctgattagat 240

cctggctann nnnnnncnnn cnatccactg ttcagatttg gaggggaagg gcccaagcaa 300

taggaatgat gtcatgagaa ggccccnnnn nnncngnatn ctgagtggga atattggttc 360

tagcaccttc tcctctgggc atatcccaca ttccttccag gcttgggtgt tgccttattc 420

ctgtgtagcc 430

<210> 6437
<211> 288
<212> DNA
<213> Mus musculus

<400> 6437
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cccactcagg gagcagaagg acctggcgtt cgcacaggct tatctcacca gggtacgcga 120

agctctccag cacacccctg gcaaatacga agatttcctt cagatcatct atgaatttga 180

gtcaagcacc caaatgcaca gcgctgtgga tctcttcaaa agcttgcaaa cccttctcca 240

agactggcct cagctcttga aggactttgc tgctttcctg ctgcctga 288

<210> 6438
<211> 498
<212> DNA
<213> Mus musculus

<400> 6438
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cacatctatg caggaattca gaggccttct acaggaggca cagacccaac tgatagggct 120

tcacacagaa caaaaggagc tggctcagca gacagtgagt ctgagttctg ccttgcagca 180

ggactggaca tcagtccaat tgaatgtgag tgtttggggc catcactacc actcccttag 240

aggcaatttc ctgtccttga gtatgctcta ctgatccaat tactttggta gtatggaata 300

tgggcagctt tgctgagttg gtctcgagaa ctcaccaaga aactcacagc caagagccgg 360

caggcccttc aggaacgtga tgctgcaatt gaagaaaaga agcaggttgt gaaggaagtg 420

gaacaagtct ctgcccattt agaggactgt aaaggtcaaa tcgaacaact gaagttggaa 480

aatagtcgcc ttactgca 498

<210> 6439
<211> 527
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (113)..(115)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (117)..(118)
<223> n is a, c, g, or t

<220>
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<222> (361)..(361)
<223> n is a, c, g, or t

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actctgggcc ttgggggtgt gcagggacaa cgtgagtcgg aaggacannn ngnnnanntc 120

cccagaaaac ggcttctggg tagtgcagct gtccaagggg aaaaaacagc tgtccctgtt 180

acccaattcc actctagtca ctctcacaga gcctcccagc cacatgggga tcttcctgga 240

cttccaggct ggagaggtgt ccttctacag cgtgaacgat gggtcccact tacacagctt 300

ttcccaggct gccttccctg ggccgctgct gccattcttc tgcttggggg ctcccaagtc 360

nggccagatg gtcatctcca cagtgaccat gtgggtgaag ggatagaggc ttgaagccgg 420

gcagacactg ggtgtgccac agttccccag aaggcagggt gcttcaccac cgtggccacc 480

tacccaggct tccctggggc actaagagtt aatacctgtg ctggcag 527

<210> 6440
<211> 563
<212> DNA
<213> Mus musculus

<400> 6440
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taaagaccaa aaaggtcact ccctttccta tgtcctgtga cctacaaaat gactgcgcct 120

gtcgagaccc tgaggcccaa gaacacaacc ggaaagatct tcggggatat agccatggct 180

aaggaaagac aggtgtcaaa gatttcccaa tgccaggacc cgcatccctc tggtattgat 240

ttcacagtct gctgctcaat gaaatggcct ctccacacca gggatcctta gcacccaacc 300

ggtctgcctt taatttcacc caggaaggac caactgtggg gcaatgaact gaatctcacc 360

atgttgaatg atggagtgga atactatcct gtagtctaag atggattgaa cacacggcat 420

gtagacccag agcctctaaa aattctttcc atttctcaaa tgaccatagc ccaaaagaac 480

aacaaaacgg tgtgtgtatc aaggagtatg cacatctgtg gttagtacac aggcatgcat 540

gcacacccat gccaatgtct gtg 563

<210> 6441
<211> 548
<212> DNA
<213> Mus musculus

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<222> (360)..(360)
<223> n is a, c, g, or t

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<222> (367)..(367)
<223> n is a, c, g, or t

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<222> (371)..(371)
<223> n is a, c, g, or t

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<222> (390)..(390)
<223> n is a, c, g, or t

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<222> (398)..(398)
<223> n is a, c, g, or t

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<222> (410)..(410)
<223> n is a, c, g, or t

<400> 6441
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acttggcaga agaggtaaag ttggtggaga acttgaagag tacagatatg gagaaagaga 120

aaaaaaatga acccaaagga aaataccaga aaaggtatga tttggacaaa gaagaaaaag 180

ccagaaaaga gccaaaggta ttaaaatcat ttaaggaaat cagaaatgca tttgatttat 240

ttaaaaaaac aacagaagaa aaaaatgatg ttcttgagaa taattcaaaa agagaagaaa 300

tatcactgga ttctaaaatt atgaatgata acaaaaccaa ggacaagtgt tcacttaaan 360

aaaaaanaaa nactcgagat gagactgacn cttgggcnta cattgctgcn gaaggggatc 420

aggaagtttc agacagtgta tgccaaacag atgagacgtc tgatggcagg caaccagttt 480

tgagttcggg tatggacctg cagctggagt ggatgaaatt agaagatttt cagaagcatc 540

tggatggg 548

<210> 6442
<211> 360
<212> DNA
<213> Mus musculus

<400> 6442
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tgcagagcga agtcaccctg ctgagaaatg aagtggccca gctgaaacag cttcttctgg 120

ctcataaaga ttgccctgta actgccatgc agaagaagtc tggctatcat actgctgata 180

aagatgacag ttcagaagac ctttctgtgc caagcagtcc acatacagaa gcgatccagc 240

acagctctgt cagcacatcc aatggagtca gttcaacatc aaaagcagaa gctgtagcca 300

cttcagtcct cacccagatg gcggaccaga gcacggagcc tgcactttca cagattgtca 360

<210> 6443
<211> 547
<212> DNA
<213> Mus musculus

<400> 6443
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gatattgagg agaccatgaa cactgctttg aacgaactcc gtgaactcga gaggcagagc 120

acagtgaagc acgcccccga tgtcgtgcta gacactttgg agcaagtgaa gaactcgccc 180

acccctgcga cttccacaga atcactcagc ccactgcaca atgtcgccct caggggctca 240

gagccacaga ttcgccggag caccagctcc tccagcgaga caatgagtac tttcaagcct 300

atggtggcgc cccggatggg cgtccagctg aagcccccag cccttaggcc aaagcctgct 360

gttcttccaa aaacaaaccc tacgatggga cctgccgcac cttcccaggg tcccacagac 420

aagtcttgca cgatgtaaaa acaaaggtca cgaggggagg ggggatgtct gaagatgaaa 480

atgaattagt ggcaagagtg ggtgatccac aaccttcctt ggtcttgcgc ttataactgg 540

agagttt 547

<210> 6444
<211> 323
<212> DNA
<213> Mus musculus

<400> 6444
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atgaccctgt ttgtctggct ttaatataat gcatccccaa gtccccaaaa gctttttaac 120

agtgacacag acatccctct aaagtgccct tgaccctgct cttagaattg gtgcattaca 180

gagctcatgc acactaattg ggaaaaacat caccccttc cctccactgt aatttctcat 240

gtaggttttg ttcatagaaa tgccccatag ttcccaatat gtacctttc ttttatgaaa 300

tgttggactg ttcaattctt agt 323

<210> 6445
<211> 560
<212> DNA
<213> Mus musculus

<400> 6445
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gagccgtggt gcatggccct cttccacgat cgttttattg atctcaagaa agagttgcgc 120

caaatcttaa tctccaagca ggaggaagac aagcctacca tggaggagat agcctaccgg 180

ttagaggagg aagaaataaa cctgaatgag aagccccaga aatacctcca aagggttttt 240

gaggattccc tctacaaaag cctgctggag aagagcatcc tagattacct tcattacaac 300

cagtaccacc tgcccatgta cgcatggcca ggcatcattt agctgtagcc agcgccccac 360

cccccgctgg catcacttcc actctctgtc agccaagtgc tgacagaaca ccccaacccc 420

catcccccac tattataccc ttttttcctc ccgtgttttc cgtgtattcc agtaggtggc 480

gctaggctgt gtggccctgc taagccaggg aactttacaa acaggcatgt tcagagcaga 540

ataagccact ctagcgataa 560

<210> 6446
<211> 565
<212> DNA
<213> Mus musculus

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<222> (28)..(28)
<223> n is a, c, g, or t

<220>
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<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

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<222> (75)..(75)
<223> n is a, c, g, or t

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<222> (101)..(101)
<223> n is a, c, g, or t

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<222> (128)..(130)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (150)..(150)
<223> n is a, c, g, or t

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<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(532)
<223> n is a, c, g, or t

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nagaaaaaga actgnctgga aatcattcat ttttgtcccc nactactctt ttttttttt 120

ttttttnnn cagtttcaag ctnttgtgcn tggtgttttt gtaagaatgc nctaactcaa 180

tacaactggg agaacctaca tgctctttaa tatttcagag tttgtacaca agggaaactt 240

ttacaaattg agaaagttta tcaaagacnt ttcattgaac aatttgaata aatcaaatgt 300

gaataagtta acaggtgaaa ctttgaacaa aacttccatg tcagaagttt gtantgaaga 360

aaaaccatca gtctttgtaa ttttaatatt aactttcaaa tggagccaca catgtgccaa 420

taaatatgtg agtgatnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncatatttt 540

ttaaacaact tgtactgcac caaat 565

<210> 6447
<211> 393
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (103)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (106)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(120)
<223> n is a, c, g, or t

<400> 6447
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attgctatgc ctgcacctat gatgcagcct gagccaatta aannanngng nnnnnttnnn 120

tattaagaca attgggcagc tctagtccag ctcaactgat ttcttgtcca ttgatccttg 180

tgtgaccaag atccagcttc aaggaaccgg ctagaagctg cccgttgtga aacttaggga 240

accaaggtta cattctgtga gaagaagctt ttctcagcct tcatctgtgg gtttgaaacc 300

tcgctattct cgaagcccac actttcatcc tagaaaagat ttcagagcag aggattcagt 360

ttccactcca ccttcctgta ctgactttgt taa 393

<210> 6448
<211> 473
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<400> 6448
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cataaaaagt tccaatccag ccagagctac ataataacag acttttaaa aaatggtttt 120

gttagacttt gtgtactatg aacatgaaaa tgcccagggt ttcatataaa aaatattatt 180

caacctgcta ttttagccat ggagttaatc tnttanactt gaggctttaa tttgctgata 240

atttctctaa atacctccct ttgctaattt cctggnttct atgagaacat aacactaaag 300

gctctaatag aggacgagtc ctatggatac tttgcactga agtgaagtgc aagccgttca 360

ggagagactt gagatgtcta agtcactacc caaaanaaac aaactnaggt agctagttnc 420

tgggatgtta aaaagtgaaa ctgcagcata gttttcaagt ggagtactct tct 473

<210> 6449
<211> 488
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

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<222> (70)..(72)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (74)..(84)
<223> n is a, c, g, or t

<400> 6449
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aataccanan nnannnnnnn nnnntgtccc tttttggagg aaaattttaa aataacaact 120

ccaaacaata cataagtgtt gtcctagtaa gggtttgctt aatcagtaag tttctgtgaa 180

tgagtatgaa tgatatagat tttaaaacag taataataac ctgttcaccc tctttgccta 240

ataagcttgg aaaaatatat cacattaata atcaataaaa attcttgaaa ggctttttgt 300

gccttgtctt agtataggaa ctttataaat gttttcttaa ctgattgtca gtcacatata 360

ctatgaaacg aaacattgtg caactgcttt gtaaattaat atgaaagaaa atatacctaa 420

tgaaatagga gtgactatta ctgccatatt tatttagtgg aaagatgtct ttgtgttgat 480

tcactcat 488

<210> 6450
<211> 326
<212> DNA
<213> Mus musculus

<400> 6450
agaggaatct aaggtcccaa ttaagaaacc agtagttaat tgttccaagt acaggaatcc 60

cctcaacgcc tcagaaaccc acaacagaaa gtgttccaaa tccaggagac caaccaactc 120

ctcagaaacc ttccacagtt aaagtttcag caacccagca tgaacctgat accacgacaa 180

gaacatctac agacaaagga gagtctaact caggtggtga ccgttatata tatggacata 240

catgtttaat aaccttgaca gttttgcatg cgatgctatc acttattggc tacttgacat 300

agccaaccaa gagttaagaa gtatat 326

<210> 6451
<211> 551
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (524)..(524)
<223> n is a, c, g, or t

<400> 6451
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agagtctctg gattcacaga acacattgaa gatgtcaaga tggcgtttga cagagatggt 120

gaaaaggcgg atatctctgc caacatctac ccagacataa acatcatcac tggagccctg 180

aaactgtact tccgagactt acccatccct atcatcacat atgacaccta ctccaaattt 240

atagaggcag caaaaatctc caatgcggat gagaggctgg aagnctgtcc atgaggtcct 300

gatgctgctg cctcctgccc actatgagac cctgcgctan ctgatgatcc acctgaaaaa 360

ggttaccatg aatgaaaagg acaatttaat gaatnccgaa aatntgggga tngtgtttgg 420

gcccaccctg atgagacccc ctgaggacag caccctcacc accntccatg acatgcggta 480

ccaaaagctg atngtgcaga ttttaataga aaacgaagat gttntgtttt aatccaccag 540

ggaagtgagc t 551

<210> 6452
<211> 225
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<400> 6452
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ggcatggatg gcttacntgt agcagtgaaa attgtaaaaa atgtaggccg ttaccgggag 120

gcagctcgtt ctgaaatcca agtattggag cacttgaaca gcactgaccc caacagtgtc 180

ttccgatgcg tccagatgct agagtggttt gatcatcatg gtcat 225

<210> 6453
<211> 482
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<400> 6453
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ctttcagcag actcaatacc tggcccttcc cgagagagcc gaactggctg cttccttagg 120

actgacacaa acacaggtga agatatggtt tcagaataag cgctctaagt ttaagaaatt 180

gctgaagcag ggtagtaacc cacacgagag tgacccccctc ccgggttcag cagccctgtc 240

accacgatca ccagccctgc ctccagtgtg ggacgtttct gcctctgcca agggcgtcag 300

tatgcctccc aacagctaca tgccggggta ttcacactgg tattcctcac cacaccagga 360

caccatgcag agaccacaga tgatgtgact tctctgagng aacgcctacg gagcttctga 420

aggagacatt ctccaccggc agaagaatct gcncaaacat ggcagcattt ttacttgttt 480

aa 482

<210> 6454
<211> 452
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

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<222> (50)..(53)
<223> n is a, c, g, or t

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<222> (125)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (137)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<400> 6454
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agagtcagtt aggaaaggga ggtaaagaat ctgacccagg tgtagtaaca caggatgtca 120

acacnnnnnn nnnnntnntt nnanntgaaa acgaatatat gactcctgtg agggatggaa 180

aaggaactca aacatcaaaa tctacacaag gaaaatctaa aagaggatgt agaaaagcgc 240

cagtttcatc taagaccaac aggagacgcc agattgctgg gccagactct gaaagtgatc 300

atgaaccncc natcagaaat gaagatgaga ttacccagac gagccaaaac agctgcgcta 360

cagaaaagta aacttaacct tgcagagttc cttaatgaag atacaagtta agagagctga 420

taaggatgaa gtcctttgaa gttgtgctta ta 452

<210> 6455
<211> 560
<212> DNA
<213> Mus musculus

<400> 6455
cgaccctgtt gatcctgata aattgtggag cgatggcagc gaggaggaaa atatcagtga 60

cactctgagc ggatggtata aaaatgggaa gcaccccgag cacgctttct atgagttcac 120

ctttcggagg ttttttgatg acaatggcta cccatataat tatccaaagc ctattgagta 180

tgaatacatt cattcacagg gctcagaaca acagtctgat gaagatgatc aacacacaag 240

ctccgatgga aacaaccgag atctagtgta tgtttaataa actaggagat cattgtaaga 300

atttgcaaga ggcctgaagt gcaggggttt ttgaagtttt gagaaaatta tgcaaatgtg 360

acagagtttg tgtgctctgt gtacaatatt ttattttcct aagttatggg aaattgtttt 420

aaaatgttaa tttattccac ccttttaatt cagtaattta gaaaaaattg ttataaggaa 480

agtaaattat gaactgagta ttatagtcaa ttcttggtac ttaaagtact taaaaagaga 540

agcctggtat cttttgtata 560

<210> 6456
<211> 439
<212> DNA
<213> Mus musculus

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agtcctgccc ctccctccag gcccagctcc tctactagca aggactccag gggctacaac 180

tagggctgcg ggtcccttcc tgcctcaact cttggcaggt tttctaatgt ctgccctgct 240

tctccctaga gactcctttc taatccctgt aagcccaggc ctcttcggtt tccctctgtc 300

tcttcccatc tttccccatg gttactgcct ctgccttggc cttgcctctc tgttctcatc 360

ctccttgttt cccatcttta cctcctcatc tctctcccaa gcttccctcc atcctatgtc 420

tctgtctcct aactggatt 439

<210> 6457
<211> 475
<212> DNA
<213> Mus musculus

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aactggcttc cagacgataa ggggaaagat aaagtggaaa tctctgaaaa agccaaactg 120

gaaaactcag ctcaggcaga agaaggcttg gatgtgcctg atggcaaaaa gctgacagag 180

aatgatgcta aagagccatg tgctgaggag gacagcgagg agaaggccga acagacgccc 240

ctgtcccagg agagtgacga ctattcccaa ccatcgactt ccagcagcat tgtttatagc 300

agccaagaaa gcgtgaaaga gttgaaggag gaaacgcagc acaaagacga gagtgtggaa 360

tctagcttct ccctgaatgc catcgaacca tgtgtgatct gccaggggcg gcctaaaaat 420

ggctgcattg ttcacggcaa gactggacac ctcatgtcat gtttcacgtg tgcaa 475

<210> 6458
<211> 324
<212> DNA
<213> Mus musculus

<400> 6458
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ctgtagcagt ccaggaaatg gggggagtgt ggacagtggt cctgttggta agcccgctga 120

tcgacacttg agtctctctt ttctggctga agagagtcca gatgataaaa tggaggatga 180

agaggtaaac ctgaaagtga tggtgcttgt ggtccctata tttcttgtcg ttttactgtg 240

ctgtctaatg ctgatcgcct acctctggtc tgaagtacaa gaagtagtat ctccaccgag 300

ttcatcagag tcttcgtctt catc 324

<210> 6459
<211> 332
<212> DNA
<213> Mus musculus

<400> 6459
agatctcaga atcatgtttt ccataaagaa gacacatttt ctagtgatgc agagattaac 60

aaatcacctg tcagctttac tgaagagctt cacagtgaga gaaaggacca cacacccaag 120

gataccacaa cagtcttctg tccaaacagc aactctgaag ccctggaggc agagctagga 180

aattccccag gacgtcagtg ggacctcaca ggagcatgcg gttcaagaaa cagaccactt 240

ttcaagttga gaaacaaaag ggtagaaaac ccagggtcag aaaacactcc tgaggatggc 300

ttacttggtg acacctctat tcttaacgac ct 332

<210> 6460
<211> 528
<212> DNA
<213> Mus musculus

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<222> (360)..(360)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

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ggagtactag ccctgcgtcc tctcttctga ccttgactac atctcatagt aagttcagag 180

tagttggtga taaattaaaa atggtcatta cagaagatga ttgtcgttgt aactgtccac 240

tcatgtagga agtgtaaccg ctttcccagc ttttggtttt cattgggcat gtgtaatttc 300

cagaaacaac agattcacac ttaagacact tgcgtttgat gcagttttta atgagtggtn 360

tcctttcctt tgtatttata tgttttagag actgcctgaa aggtgagcac tgtacttgat 420

aaaggaaact gcatatgcag attcagtatt gtacttctgt ggacaattag gtggacactg 480

agaatgggac ttntcaacct gacagggtca gctacagtgc cgtgttaa 528

<210> 6461
<211> 187
<212> DNA
<213> Mus musculus

<400> 6461
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tgagtccaag catcgacttc agaagcagcg caggaaagag cgacaaaaaa cagccggtaa 120

tggttggttt ggcatgaaag ccccagaact gacagatgaa ctgaaaaatg acctcagagc 180

attgaag 187

<210> 6462
<211> 460
<212> DNA
<213> Mus musculus

<400> 6462
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tatagttatg cctgtgtgaa ggaggggctc acagctgtcc ccagcagctc ccctaagggg 120

gcagagctcc ttctagacat gtcgtataag tgtgattctt cttttataaa cagtgtgatg 180

tagctgtccc tggtcccctt ccctttgtga ctgggattga atgttttatg gcagggttag 240

gctgggttgt gtggagctgg agaagagctt gacctcagtc ccaaatgcct gtgaggatgg 300

ggatgggtgg gggtctgaac acgaagcctc tacctgtgcc tcaggtaagg aaggggcctc 360

cctgcaatca tctgagctaa ttacctcagc tccacagcag gcctgtatcc agggcccctg 420

cggaggcatc ctggagtagc ctcggtgtgt gagcacattt 460

<210> 6463
<211> 471
<212> DNA
<213> Mus musculus

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<222> (299)..(300)
<223> n is a, c, g, or t

<220>
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<222> (336)..(336)
<223> n is a, c, g, or t

<220>
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<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
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<222> (351)..(351)
<223> n is a, c, g, or t

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<222> (353)..(353)
<223> n is a, c, g, or t

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<222> (363)..(363)
<223> n is a, c, g, or t

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<222> (376)..(376)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 6463
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tgaggggtct gtcctgggtg agaggttggc tgcagtgact gccttgagag ccctggaggc 120

gtcctcaggc cccagccatc gagcccaggg atgtccagac ccaaagccag cactaggtcc 180

agcagcttgc cctccagggc tccactgcct tcatcacctg aaccctatcc ctccagccca 240

ttctctccct tagtgtaacc ttcccttgct gatatctctt ggcctaggtg gggccacann 300

tgaagtaggt ggagctgggg ctggaccctt tagatntccc aggantntgg ntnatctata 360

tgncccaaat tctgancctg cttatcctag ggttcaaaat tgcncaagca tcctgggaag 420

atttgcaggt ttccttatgt gggggcagtt cctttctgtt gggacaccat a 471

<210> 6464
<211> 427
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
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<222> (352)..(353)
<223> n is a, c, g, or t

<220>
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<222> (377)..(377)
<223> n is a, c, g, or t

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gtggcacact ctatgtgtgt atgcaggtat gtaactgtgg gaacatatcc aggctaaaaa 120

ctctaagctt gagacttaag cttcggggct tagactgcat atggtacagt gtaaacagtg 180

acaagatcat ctccacgagg aagtgaatta agatacagtt ttaagataga gattgtttac 240

tgaagcgtgt ctgacaatct gacttaatag agagcgagcg acatacaata atgaacctag 300

tatttcttta ttcatggaat gtggaaattt tatgacaggt agttttaagt tnntcttttt 360

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gcttgat 427

<210> 6465
<211> 499
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

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<222> (294)..(294)
<223> n is a, c, g, or t

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<222> (336)..(336)
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<220>
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<222> (340)..(340)
<223> n is a, c, g, or t

<220>
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<222> (364)..(364)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (404)..(404)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<400> 6465
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gtccatacaa ggtgtgtcga agtcgaaggg aacgggggac cagaactgcc ggatgctgcc 120

cgaccttccc aatgccctcc atatcttgga cgggccagac caacgctatt ttctgggctt 180

agtggatatg actaccgtgt atgggtttcg caaacggctg gaacatgtgt ggaagatggt 240

acgctatcca ggccagagcg tctccactgt cagcccggct cactacgccc ntcncctctg 300

tcggtgggca gaggtgcaca cagaatgact cacgtntctn ccttcttccc ttatggacaa 360

tgcnccgnca actattctgc anctgtaccc agggagctan cctncagttc ntcctaccan 420

ccaccagagg gaagcaccct cataactaat gctgtgaaga ctcancccca ttcggtgacg 480

gtgctgtacc ctgcataga 499

<210> 6466
<211> 482
<212> DNA
<213> Mus musculus

<220>
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<222> (84)..(84)
<223> n is a, c, g, or t

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<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

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gattcgagtc cacttagcag agcnttctgg ggatccggcg aaggagtgca aggaaatcgt 120

gcgtggctac aaatgggctg agtaccacgc ggacatctat gacaaagtgt caggcgagct 180

gcaaaggaat ggctatgact gtgagtgcct aggcggcggg cgcatctccc atcagagcca 240

ggacaggaag atacacgtgt atggctactc tatgggttac ggtcgtgccc agcactctgt 300

ttcaactgag aagatcaaag ccaagtatcc tgactatgag gtcacctggg ctgacgatgg 360

ctactgaagc tctgccccac cccccacccc ccggactaag tcaggtntnt gntcttgctg 420

tgttctgttt tgaggggctg gccctgtgct ttccttttgt accttaggca gcatagcacc 480

tg 482

<210> 6467
<211> 554
<212> DNA
<213> Mus musculus

<220>
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<222> (40)..(40)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (315)..(315)
<223> n is a, c, g, or t

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<222> (336)..(343)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<400> 6467
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gtcaactgga ggtgcagccc tgattgcgga ttacggtcac gatggcacaa agacagacac 120

cttgagaggg ttttatggac accagcttca cgatgtctta atcgctcctg gaacagcaga 180

cctgacagct gatgtggact tcagttacct gcncagaatg gcacaaggaa aagtagcctc 240

tctgggtcca gtggaacagc gaacattttt aaaaaacatg ggcattgatg tccggctgaa 300

ggttctcttg gatanagcag gtgagccatc tgcgannnnn nnnagctact tggagggtat 360

gatatgttaa tgaatcctca gaagatggga gaaagatttc acttctttnc cttgctacct 420

catcagagac ttcatggggg gagtcaagaa aggaatgcct gccantcaaa aacccctcc 480

tcctctgtag ctgggtttga tgaacttgtt tggcagtgat acttcagctt gaacttttat 540

tcctcagtgg gcct 554

<210> 6468
<211> 317
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (135)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<400> 6468
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tggaactgga atttggtctg gcttattttg tcctgtccat gttctattgg atgtatgtag 120

ggactcgggg tcccnngagg agaagaaaga aggggagaag agcgcctact ctgtgttcaa 180

cccgggctgt gaangccatc cagggcacgc tgactgctga gcagctggag caagagttac 240

agntncagac cccctcaggg aagtaggacc agccccagct gttcntcctn tccttgaacg 300

tggactttag aggacaa 317

<210> 6469
<211> 418
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<400> 6469
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gtcagaacag gtttttcaca ccgcctgctt cgaaaggaaa ctacagtcgt cgggaaggaa 120

caagaggctc gagttggagt gctcagaaca ctcctcgagg aaattataat gaaagccgag 180

ggggccagag caactttaac aggggtcctc ttccaccatt acggccgctt agttctacgg 240

gttaccgccc tagtccccgg gatcgagctt ctagaggccg cgggggcctg ggaccgtcct 300

gggctagtac aaatagcggc agtggaggct cgagaggaaa gtttgttagt ggaggcagtg 360

gtagaggccn tcatgtacgg tcctttactc gatagatgtg ttcttggcaa caccccaa 418

<210> 6470
<211> 418
<212> DNA
<213> Mus musculus

<400> 6470
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ccgagaactg acggacaagc tgctcatctt cctggccctg gccctcttcc tcgctacagt 120

cctttatatt gtgaaaaagc gcctctttcc atttttgtaa gcgagagctg ccagctttgg 180

cctgtgcacg cctgctccag gatccgggcc gggatctcaa ggactagccg ggctgccaaa 240

ctggacttcc cctctccctc gggggctcgg tgaacctaac agagggaaac acagcagccc 300

agcctcctgc cagagggctt ggcaagggtg tgtggaatag aggagccggg aaccttcagg 360

atggaggcac tccagctccc ccggcttcca aggactgcgg ctgccataga gagcacat 418

<210> 6471
<211> 383
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<400> 6471
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cttgcncggc gagtgaagcg agagactaac catggtggct cgagtgtggt cgctaatgag 120

gttcctcatt aagggaagtg tggctggagg agcagtctac cttgtttatg accaggagct 180

gctggggcct agtgacaaga gtgaggctgc cctgcggaag gccgaggagg ttgtgccacc 240

agcaatgtac cagttcagcc aatatgtgtg ccagcagaca ggtctggaga tgccacagct 300

cccaacccct ccaaagatta aatttccaaa cttccgtgat tcctggaact caggcatcat 360

ctcagtcatg tcagccttgt cgg 383

<210> 6472
<211> 503
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

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gaagaaagtg ctgggggccg aggagatgga gctgtacgag ctagctcagg ntgctggcgc 120

cgccatcgac cccgatgtgt tcaagatcct ggtggacttg ctgaatctga atgtggctcc 180

cctcgccgtc ttccagatgc tgaagtccat gtgtgctggg cagcggctgg caagcgatcc 240

ccaggactcg gtgcccatat ctctgtctac atccacatca gagacccgag gaagaaaccg 300

aggtggcccc attcttggca atgtgaccat atcggcagaa cgtggaagcc gtgaaagacc 360

catccagaga atgccacgcc agcccagtgc gactcggctg cccaaggtgg gaggatctgg 420

aaaaagcaac tcccgaagca gcccataggc tgggacagag gctgcacttg acaccgtctt 480

caagacagat gctatccacc ttc 503

<210> 6473
<211> 406
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<400> 6473
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nggtgtttaa aangantnna tggagaattt gaagttgnat ganggcactt cagtcctgct 120

taaaaagaat agtcagcact ttttgcctcg gtggaagtgt gagcagttaa tcagacaagg 180

agttctagag cacgtgctgt cctgactgtg tcctgtggtg acagcagctg gatgtgaagc 240

taagccaact cacagaagga aacgtcctca ctggacctcc ccctccttgg ttttaaattg 300

acagacatgc attaacataa ccaagatggg ctggggtcca gctcattggt agagcacctg 360

cttaggattt gagaaaccca gagtttcatc cctagtacct caagaa 406

<210> 6474
<211> 544
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(343)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (519)..(519)
<223> n is a, c, g, or t

<400> 6474
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cccctcagtc ttcttgggcg tccaagaagg agctttctac ctcacatctg tcactgctgc 120

cctttcccag gccgtctccc ctcctgccgc tgtcctcgca gtggtcacgc ttaacctctc 180

tcacattcta gatgggaaaa ctcatgattc agacccaagg aaagatctgt ggtgctaacc 240

caacagttgg catgcacagc aggcatgtcc acttcaactc cgtgtctctc tcaaaacaga 300

aaggtttgag attcagaaga aaggaatagg aagaanccac tnntcccnca actctcatct 360

cttcctgaga agagtgcacc agcagccaga gcacagggtc aggggccgaa gggttacctc 420

ttagcttctt ttaagtgctg agttgatgtt tggcctctgt gggttgctac ctttccctct 480

gtgttataac ttccttcctt cccttcaatg ctttgtgant cttaccagtg catccctatg 540

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<210> 6475
<211> 505
<212> DNA
<213> Mus musculus

<220>
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<222> (183)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<400> 6475
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gaagtgttag gaagtggctc tccctgtcca tgcagtgttg aaccaccatg agtggatgtg 180

ttnnttagct gggtgttaat ggagatttta gaggtggagg agcctggcca gagggtgtct 240

gtcaggtcaa gtttaaagac tgccaaagag caaaggttag gcctggaaat gtgaaaactg 300

gatccataac taaggatcta agaagtgtag acatgtagtg gacacctgag ntcagtgtat 360

ttgtcaatta tttcttccta tagggaggaa cagaattcga gttcaggagt ctctgtcagg 420

tagggatgtt gccgctcaac agggggcacg ggtgaactac ttgtggactt gagggctgtt 480

gtacttagac ccatctgtat tttct 505

<210> 6476
<211> 479
<212> DNA
<213> Mus musculus

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atggccacac cgttcctacc ctcgggggcc accacaggng ancagcggtg gggaactgag 180

ctccggggan gantctggtg atatggaatc cttccagacc cccgaggccg aggggacccg 240

gagtttggcc gagctgtttg agaaggctgc cgcacacgtc caaggcctgg ttcaggtagc 300

cagccgggag cagctcctgt acctgtatgc caggttcaag caggtcaaag ttggaaattg 360

caatactcct aaaccaaatt tctttgattt tgaaggaaag caaaaatggg naggcatgga 420

aagccctcgg tgactcaagc cctagccaag caatgcagga atatatcgcg gcagttaaa 479

<210> 6477
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<223> n is a, c, g, or t

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cagcttatgt accagtggtg gtggatccnt cgggggcaga acccagacac tagcatcagg 180

ttcagtttct acaanctcac agtattccaa ttctctaaan tcccttctac accctgcaga 240

agcccacctg tggctacctg taccaaagag aaaccgacca cacccgnaaa cgctttgatg 300

ttcctccagc aaacctgatn ttgtggcgca cctagnttnt gcggcatntg gaantcccca 360

tcctgcacct tcatcctatg ntcctggntc ccagagggaa agatcattcc tgcctggaga 420

agcagtgtat acctgggcta gccaggtatg ccgtgacagc 460

<210> 6478
<211> 476
<212> DNA
<213> Mus musculus

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ccaaaacaag tttccagtgg cggattcgaa atctccccta cccgaaggat gtgtatagtg 120

tgtctgtggc ccagaaggag cgctgcgtca ttgttagaac gacaaacaaa aagtactaca 180

agaagttctc catccctgac ctagacagac accagcttcc tctagaggat tctgcgttga 240

gctttgcgca cgccaactgc accctgataa tctcttatca gaagccaaag gaggtcatgg 300

cggctgagtc agagttacag aaggagttaa agaaggtaaa gacggcccac ggcagtgctg 360

gggactgtaa gacgcagtag ctgtcctgag ccttgcacct ccagtgagga ggaaactgtg 420

agacttccgg cgtgggtttt atggcgcggg cagcctcttc tcttctaaga actaca 476

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<213> Mus musculus

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gcaaatttat accatcagtt agagagtcag cttcacttcc ggattgagaa gatgctggtc 120

gagaagctgc agcaagagtt tgttgcngac tggtgntctg agggagaatg cctcgcagct 180

atcagcacta cctacaatgc atcaggctat attntgnatc cacataccgc tngttgcaaa 240

agtggttgca gacaagatgc aagacaaaag ctgcccagtg ctcattgcat ccacagctca 300

ctactccaag tttgcccctn cnatcatgca ggcactgggg attaaagaac tcaaccngac 360

gtcgtccanc cagctttact nactgagctn ntacaatgca ttgccccctc ctcacgaggc 420

tnntgctaga gagaatgaag cagaaggaga agatggatta ccaggtttgt gtagctgat 479

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aacctgaagc ctgaagcggc gagacctgtg tggcagcaac ctgccccgct gccccggngt 180

gttgggggcg tggctacctg agcagctgga tggggaacag cgaattgggt cctggaccaa 240

gacatggatg gccagaagag tacagcaggt ggctggcctc aacggagcag acatccgtgg 300

cctntgagtc cgcaccaacc cagaccccgg cttggtgaag aggaggccac cctgccctac 360

ggtcaccgtg accatggacc tcggccctcg aggccccaga gcacaaggac ttntcgccag 420

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attta 485

<210> 6481
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<212> DNA
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<223> n is a, c, g, or t

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gtatcatgga aggcttagca ttatggaaga ataatgtaga caaacggttt gaaggtgttg 120

aagattgtat gatctgcttc tcagttattc atggtttcaa ctattctctt cccaaaaaag 180

cctgtagaac atgcaagaaa aagtttcact cagcttgcct gtacaaatgg tttacatcta 240

gcaacaagtc cacttgcccg ctctgccgtg agaccttntt tctgaggttt ttttcattgg 300

aagttgtcgc tgccgtaggt caa 323

<210> 6482
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<212> DNA
<213> Mus musculus

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cttgcaagac agtgaagaga aacggattcg ggaattctat cagtcccgag gcttagacag 120

agtctcccag cccagtggtg aagagccagc cctgagcaac cttggcctcc ccttcagcag 180

ttttgaccac tctaaagccc actattatcg atatgatgaa cagctgagcc tatgcctgga 240

gcggctgagt tctggcaaag acaag 265

<210> 6483
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<212> DNA
<213> Mus musculus

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<222> (345)..(345)
<223> n is a, c, g, or t

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ggcatgaagg atgaaatagt tccttggcag agatccctgc aggtcgcgga ccgaatagtc 120

agcccagatg tagatgtcat cctccggaaa caaggtgatc acaggatgaa ggagaaagca 180

gatattcatc tgcttatttg tactattgat gacttgattg acaagctttc aactgtagtt 240

ccgtagaatc acatttgtag ctggaatgcc ctccagtgca tccagaagat tgaaagtgtg 300

gtagtaaatc aaagacccgg atacttcagg gttttccctc ttgtnagttt gtaaatatcg 360

gatacgtatt tatttaatga tgtctttgca caaatacaca aattgtgacc aaagtattag 420

ctgctctttg gaaatttttg tcctcctttt atattttccc at 462

<210> 6484
<211> 431
<212> DNA
<213> Mus musculus

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tcagctgggg ccagacactg cttgccaaga tggatgttca aacccaagag gctctgagcc 120

ccacaagtca caagctggga ccaaagggtt cttcatccgt gcctctgagc aagtttcttt 180

ccagtatgaa cacagccaag ctggtcctgg aaaaagcatc caggttgctg aagctcttct 240

ggagggtctc agtccccacc aacggccagt gttcccttca ctgtgagcag attggagaaa 300

tgaaggcaga gaacacgaaa ctacacaaaa aattgtttga acaagaaaag aagctgcaga 360

acacagcaaa actattgcag cagagcaagc accaggagaa agtcatcttt gatcagttgg 420

tcatcaccca c 431

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgcaggatct gcccctgcca atacgtcaag attccgaaga gaaagtgcca tatctggagt 120

cttctccaaa ccagaaggtt atcgctgaag acaacataga gaaagaagag aagatttcaa 180

tcactgagcc ttggtcttct cctgaagttg catggccaga ggaaaagcct gattttagca 240

gcttctacat gntgnttnat gttgctgtac agaangcaaa agaaatggag gagcagaaga 300

agcaaaaccc caacccacan gntccccaac aacagttcat gtagccagtt ntttgaactc 360

tgggaggttc atttatactt aacctgatta gcttgtaatn ccntcttctg ctccatatta 420

ttntccttta gaantctttt ccatcaatgt tttctgaaga aagttactat ccatgatatt 480

caactttaac aaattgctaa ctttattntc ctcccctgga ctttagccct atatatttat 540

ta 542

<210> 6486
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<212> DNA
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gtggataagg acactggtac tttgggctct agccatattc atttttaaaa aaaaacacca 120

atatataaca aactacaatt tatatcattg atctgtgatt cttttccaat cacactgaac 180

atttagctgt actttcatgt ttggtttaat agtgtatgaa tgaaaagcct aaaagggatg 240

atagtgttta ttttttaatt tatttggtac tntcaaacac cttttcagaa tgagcaa 297

<210> 6487
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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atcacgtacc tggacctgaa ggaagccctc gagaagagga agctgttccc atgtgaggag 120

caccccccac acaaggccgt gtgggagatc cttgggaacc tgtctgagat cctgggcgaa 180

gtcctttcat ttggtggaaa ccgaactgat aagaactaca tccgtctgga ggagctactg 240

accaaacagt tgctggctct ggatgccgtt gacccacagg gagaagagaa gtgtaaggct 300

gccaggaaac aggctgtgaa actggcccag aacatcctnc agctacctgg acatgaagtc 360

ggacgagtgg gagtattgat gggccaggag ctgatctcgc tggttcgcac ctcatntcct 420

ttagagagct ntcagctcat ggagcctaaa tgtaatttct atgtgcatag tcaatctcag 480

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<210> 6488
<211> 435
<212> DNA
<213> Mus musculus

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ctggccctcc aggtcctcaa gggcctccag gttatggcaa gatgggtgca actggaccaa 180

tgggccagca aggtattcct gggatccctg ggcccccggg tcccatgggc cagccaggga 240

angnnnagnc cactnncaan cccctcagac tgctttgggn ccnatnccna atggagcagc 300

agtacccacc catgaagagc atgaagggnc ctttcggttg aaactcccnc ccacactgag 360

atgaaggact ntactaggaa taaatggcca aagcttacag gantntgatg ggttgtgaat 420

gtttgtgcta ttcct 435

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tggcctatga ggcagaactg ggcagcaatc ccagtgcctg tgagctctgg gccctggcag 120

tggaggagag gaagcgcccc aacatcccat ccanttggag ctgntntgcc acagaccctc 180

gggggctgag ggagctcctg gaagattgct gggacgcnga cccagaagca cggctgacag 240

ctgagtgtgt gcagcagcgc ctggcagccc tggcttaccc tcacggggcn tcctntttcc 300

cagagagtcc acagggctgc 320

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taagnnnggc ctacgtcggg gccagtgact gtttcctcct gccatcaaag tgctaagaaa 120

aaacaatgcc tttggccatt ctgcttagcc tgctgaggca ttgtggtgtg agagcagcct 180

tncctacacc ccgccaccta cacacatccc cttggagagc tgactgcagc agggcttcac 240

tcactcgact gcgccgccaa gcctatgctc gcctctaccc tgtgctcttg gtcaagcagg 300

acggctccac tatccatatc cgataccggg agccacgacg catgctggcg atgcccntag 360

acctggatgc cctgtctcca gaagagcgca gggcccggtt ccgaaaacgg gaggntcagc 420

tccagcagaa gagggaagaa gagccagagg tagtggacag ttttgacact gaacgatata 480

aacagttttg gaccaagacc aagaaataan tctntcaggg agttccacca gggacattt 539

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 6491
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gacttcatca ctggccatgg gaacttcaaa gctatgatct ccatccacag ctactctcag 120

atggtcatgt atccttatgg ccattctctg gagcctgtac ctaaccacga agagctgttc 180

aatcttgcca aggatgcagt aaaggctctc aacaaggttc acgggatcca gtacattttt 240

ggcagcatca gcaccaccct ctattcagcc agtgnnntnn nnntngnctn gncttangac 300

nncnncatcn agtatncctt cagcttcgan ctcnngnaca ctggacaata tngcttcctn 360

cnnccancct cacagnttnt ccccacancc gaggagacat ggntgncatt acagaccatc 420

atgaaacaca ccctgaatca cccctattag ccacgctact caggccggag cagttggggt 480

tcacccttt ccctgaaaac cctcctgaat taag 514

<210> 6492
<211> 385
<212> DNA
<213> Mus musculus

<220>
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<222> (343)..(343)
<223> n is a, c, g, or t

<400> 6492
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cctcatattt attccagtct ggatatttga cactatcctt cttgtcatgc tgattgtgaa 120

aatggccgga cggtgtaagt ctggctttga ccctcgacat ggatcgcaca atattaaaaa 180

aaaagcctgg tacctcattg caatgttact taagttagcc ttctgccttg cactgtgtgc 240

taaactggaa cagtttacta ccatgaatct ttcctatgtc ttcattcctt tatgggcctt 300

actggctggc gctctaacag aacttggata taatgtcttt ttngtgagag actgacctcc 360

gagtacatcg tctcatttct gttgc 385

<210> 6493
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ngcnncaagt acaaagcgaa tgntaagtgc gcgatcggcc cagtgcatgg tctccatggc 120

cacgcgctcg tgtgtatcgc ggggcagcgc gggatctgcg gctgcaggac cagtggaagc 180

cgctattcgc gccaaattgg agcaagccct gagccccgag gtactggagc tgcgcaacga 240

gagcggtggc cacgcagtcc cagcaggcag cgagacgcat tttcgcgtgg cggtggtgag 300

ctctcgtttc gaggggatga gccccttgca acggcacc 338

<210> 6494
<211> 196
<212> DNA
<213> Mus musculus

<400> 6494
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cagcccaagg acatcgagct tcagatcaga gaacttattc ttcggttcat cagtaatccc 120

aattccatta tcctcgccgt cactgctgca aatacagata tggcaacatc agaagcactc 180

aagatttcca gagagg 196

<210> 6495
<211> 492
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aatgctcaaa gagcaggcag agccatggga ttggcataca tatctgccat attgttttta 120

ttaagtgcta taatttttat ttcttactnt ccttcaatgg aaatcaaaat gtttccccgt 180

gtctgaaaat aaatttgcag catacataac cttgaaaatc naaatgtntt ggcaatggtt 240

ttggggacct agactgagat gtaatgggag atatttttaa aatattaact tagattttct 300

aaggacataa agccctaccc tatgtntcct atgacagaaa atggcaaaat gacatcaagc 360

attctttcct atttggttta ttacttcttt ggttgaattt tttggtttag ttttttttca 420

tgtttttgtt tatttgtttg ttttgatttt tgttcatttt tatcattcca acttgccaat 480

tttgttttat ag 492

<210> 6496
<211> 455
<212> DNA
<213> Mus musculus

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<222> (31)..(31)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (95)..(95)
<223> n is a, c, g, or t

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<222> (139)..(139)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atgtgttcac agaaagtgtg tcagcaagtn tgttntggta agaaactgta caccacagtt 120

atgccatatg caaggagtnt gcaacaataa agaccactgc cattgtaata acacatggga 180

accaccggac tgtcaactac gtggccatgg aggtagtata gacagtggac cacctccagt 240

gcctttatct ccttccaatt ggagtatgta cttcctagct tttataatta tgtatgtgct 300

tggctttatt gctttgtatg gcattcgtga attaaagaaa aaatcctaaa ataatcgctg 360

ccagactcaa aatctggtga taaaaatctc actagaaaaa aacaggatct ntgattttca 420

gacttgcaaa atctgaagaa gatgccacgc taaaa 455

<210> 6497
<211> 474
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (213)..(213)
<223> n is a, c, g, or t

<400> 6497
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gcagcttgct gagattgaca taaagcttca ggaactctct gttgactctc ccaccatctt 120

cagccttgaa agtcagagcc ataagggtga tatggaatgt gatgccaatg aagaaagaaa 180

tacggaacca actcccggag agaagatact ccnggaccgc aaagagcaaa gggaccggga 240

gtctcggctg agagccatcg atggcaagct gaaagagctc agtgaacagg ttgaggaatg 300

tccaatgata acccccagta aacggaatga gcggattacg tggagatggc tacttgctaa 360

aatccttgag ccagagtgaa acaaattacg cagtttgtaa agtgtaacta ttctttttat 420

ttttataata catcatggtt ctcaaaatgt gcatcctcct gtgatttgaa atgt 474

<210> 6498
<211> 205
<212> DNA
<213> Mus musculus

<400> 6498
gaaaagtcta cagtatcctc tctctgcaag tcctcctgac tacagtgacc tctgccctgt 60

tcctgtattt ccaagctctg cggacatttg tccatgaaag ccctgcctta attgtggtgt 120

ttgctctggg atctctgggc ttgatctttg cactgactct gcacagacac acgcatcctc 180

tgaacctcta tctactcttt gcatt 205

<210> 6499
<211> 475
<212> DNA
<213> Mus musculus

<220>
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<222> (285)..(285)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (407)..(407)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caaggattca gtgaagatat ggcaatacag gcacagcaaa tgttcaaaat aaataagcaa 120

catgctagaa gggtttatga aattcttcga ctgctggtga ctgacatgag cgatgctgag 180

caatacagaa gctacagact ggatattaaa agaagactaa ttagccctta caagaaaaag 240

cagagggatc ttgccaagat gaagaaatgc ctgagaccag aaganctgac aaatcagatg 300

aaccagatag aaataagtnt ncancnntga gcagcntgga agagagattt caggagcntg 360

gtggaggacn accggcgtnt cattgagcga cttgctcaag agtgaanccc ttgttcccca 420

gaatacctgc agatttctgt gcatncgtgc tgtgaacctc tgatgaccct aaagt 475

<210> 6500
<211> 424
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (307)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
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<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<400> 6500
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gagcagaggc tcttcatcca aaagggaaaa atgatgactc cacactgctt tttagagttc 120

aaatcaacat ctttctggaa aaatatattt tttaacagaa tcttttttatt atttttaaaa 180

gatataaaac tgactcctcc catcagtagc aatacaaggt tatgcatttt aaccagactt 240

tctcaggcct cttttggata cctttagtag ttaactattt ttgtctaacc ctcctgtaaa 300

tacctanctg cataacagcc cnaacccctg gggaacacan ccgagggcac cttnccccnt 360

ctcacctggc gcaggcatcc acccccacaa ggctgtgctg atcacacggc aaaacagtac 420

cttt 424

<210> 6501
<211> 318
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<400> 6501
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gaaagagtta cagctgatac ctgatcaact gcgacatcta ggcaacgcca tcaaacaggt 120

tactatgaaa aaagattatc aacagcggaa gatggaaaaa gtgctgagtc ctcagaaacc 180

caccattact ctcagtgcct accagcgaaa gtgcattcag tccatcctga aagaagaggg 240

ntgaacacat aagggaaatg gtgaagcaaa tcaatgacat ccgaaatcat gtcaccttct 300

gacaccacct ggaatgaa 318

<210> 6502
<211> 484
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
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<222> (305)..(305)
<223> n is a, c, g, or t

<400> 6502
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ctccagcagt agaaaaaggc tttagggtat cacgagacat gtttatagtt cagtttctca 120

gaagtttaag tgcaagagcc ctgcattttt aaactatata ttcattcacc ttaataaata 180

tgcaacattt attccactta tttgacaaat aattgcagtg ttaaattgga aatgtgattt 240

cttatcaata ataccaaaat agcaattaga aatagaacta gccattttaa aggggttcag 300

ngtanctgtt tcctgacagg ttttcagaat aaagattttg catagtattt taagatatat 360

agtatctgaa acaatttaca gatttttata attcccattc taaaaatgct taaatttttc 420

ataagattgt atttttaaat gaaagttcta aatgctatat tttacctata acaatcacat 480

tttc 484

<210> 6503
<211> 441
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<400> 6503
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gaacttttgt gtattgcagt gtatgaattt gctcgtgtga agactggcta taagctgaaa 120

agntatatta ttcgttacaa aacaaatcac atgtttaatt cacatttttc aagtttccta 180

tgacgtatat caagtctgtc cgtttcagtc gaacttacaa gagcaattga tattctagtt 240

gtacaaagca gtttgcctgt gcatatgacc catgtaactt tcttagtctc aaagctgcag 300

ctgtagtcct cagaaaggaa gctccaggac atttcatgac tataatgcat gcactattta 360

tatagactga cctggcttta aaagatggag cctggcaagt tcctcacata atcaatgtat 420

ccacctatcc ttcattttta t 441

<210> 6504
<211> 188
<212> DNA
<213> Mus musculus

<400> 6504
aagcaaaaat ggcttaaaca tacacacttt ctcacaaaac ttctcagatt tttgggactt 60

aactgtaccc agttactcat gaaataatat attcagtcca attaaatgaa atattataca 120

tttttgtata aaatattaag cttagcaccc atcattaatt catatggttt tactcagcag 180

tgtaaaaa 188

<210> 6505
<211> 423
<212> DNA
<213> Mus musculus

<220>
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<222> (274)..(274)
<223> n is a, c, g, or t

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<222> (293)..(293)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (329)..(329)
<223> n is a, c, g, or t

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<222> (335)..(335)
<223> n is a, c, g, or t

<400> 6505
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agttactcat gaaataatat attcagtcca attaaatgaa atattataca tttttgtata 120

aaatattaag cttagcaccc atcattaatt catatggttt tactcagcag tgtaaaaagc 180

actctatgtc ctcattctct atgcgagagc caatcagtag gaacgattga ccaacagaag 240

aaaagctgtt ggaagaaatt tctagattac tagnaaagca ctgataattg tancccagta 300

gcatatggat tttaanaaat acagttttnc ttttntccta gcagaacatg ttagaggtaa 360

ctgagttttc tctaaaagtt ttgtaataat tggcattaag tatatcatta ttcattgctt 420

tta 423

<210> 6506
<211> 334
<212> DNA
<213> Mus musculus

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<222> (260)..(260)
<223> n is a, c, g, or t

<400> 6506
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gagcagcaga aggaggagtt agccaggctc cggaaagaac tggtgcacaa ggcaaatcca 120

atacggaagt acgcagcagt ggaggtgaaa tctagcgagc tgcctctgac tgtgccggtg 180

tctcctaagt tctccactcg gttccagtag aagctgcatc tatatcacaa gcatggagca 240

cgcgtcttca gactcacccn ccatgtgtgg aaacacacct gataactaat ggatgccggg 300

tgttttgaag atgactctac acagcaactt tgaa 334

<210> 6507
<211> 511
<212> DNA
<213> Mus musculus

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gccaccgtac tgaagccgga gcacagcctg gcgtggaaca acatgatcat acttctggat 120

aacacaggta acttagccca ggctgaagct gttggaagag aggccctgca attaatacct 180

aatgatcact cccttatgtt ctcattggca aacgtgctgg ggaaatccca gaaatacaag 240

gagtctgaag ctttattcct caaggcaatt aaagcaaatc caattgttgc aagttaccat 300

ggtaatttgg ctgtgcttta tcatcgctgg ggacatcttg actctgccaa gaaacactat 360

gagatctcct tgcagcttga ccctgtggca gtaggcacca aggagaatta cagtcttctg 420

agaagaaagc tagaacaaac gcagaagaaa gatgtctgat cttcccccta atgttttgag 480

tttgtgagtg tgtgcatgaa gcctctgttc a 511

<210> 6508
<211> 114
<212> DNA
<213> Mus musculus

<400> 6508
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accgttccct tactgtactc tgcaactcac catctggaat taagtgacat gctt 114

<210> 6509
<211> 484
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (438)..(438)
<223> n is a, c, g, or t

<400> 6509
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agctctctga gagcaggcac ctgtcatccc agtccatccc accgttccct tactgtactc 120

tgcaactcac catctggaat taagtgacat gctttaaaac ttaagagttt agaagaaaca 180

aaaggcctta gagtcatctc tatgtnattg tatcctggtt tccccatctc ctnatcctga 240

tttctcattg ctnttctntc ctncctcact gtaanctncc tccnttctgt ncantntaca 300

gtaagaatnc ctgcttccaa gantcagata catagggacg tttttacccg ttccgtagac 360

tctgtaactn tcancccagt ttncctnntg ctgactcctg gcatcacctc ctgggacact 420

tgctntcttt tttacttntc tcattttctt tcacagcact gaggtctcac caaattttct 480

aatt 484

<210> 6510
<211> 375
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (122)..(122)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgtccatctg accaccnttg ccagccntca gcctcgtgnt cccagcantt tcncantcca 120

tnttaacnac cagnntatgt tgggcaaacc ccttcntcct aagttgttnt gtggcantnt 180

caaaaaancc aaatgantcc ccantcacag gaaccacatg acttcagcca gattagcagc 240

cacctntcat ntgagncagg cagtaccact tntnttaact ntnttntcca aggtgctaaa 300

aactcaannt ntgctggtgg aaacagctnt actttntgaa atgattcaga tacactaact 360

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caacgtagtg gtggctgcct ctggtggcct gtcattggag gtctggaggc tgctggcctg 120

naagagctag ctggacgcgg ctgtggatgg atgttggtat agactgcctg ctgaggctgc 180

accgaggcct ctgctctgga ggaattcctg ccattggtgc tgccctgctc cacagacctg 240

ggatacagga agtcccaggg ctgggcccac actgtncctn cangggntga cattctagtt 300

ttccnnacca agagggttct tccctacctt ccactcgtgg gctntgcgtt ttgttttgtt 360

ttnttttgtt ttgttgagac agggtctcat gtaacccagg ctgncctcat attcactatg 420

tgtttgaggc agnccnttga atncctgatc cccttgctta tatntcccac gtgttgggat 480

ggtaggtgtg ccaccatncc tgaatgaccc attttgtttg gatttggatn tctctctccc 540

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaacaaacta ctttttttggg agcaaatgtt ctccagcata tagttgacag tggttaggag 180

ccctcccctt cccctgccct cctgtaacag cagaatccta tccttcctct tctgttcatt 240

gtattgacca accagtaatc ctattatgta tctgagtgtg tgtatagggg gaaggggttc 300

tttacatttt ctgtggtttg tgctttttttc ttcagtaaat tagttcccac catncgcatg 360

cccaggggcc actacctggc attatcgcat gctgggatca ttgggggagg gtagtttgaa 420

attcaccact ntcctttgtt ttggagattc ttatttttta ataagtaatc cgtcctatac 480

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cattttccca ttgctaaat 559

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<223> n is a, c, g, or t

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gcttgccggt tannnnnngg aggagatttc gttggccaac ctggatacta acaagctgga 120

ggccatcgcc caggagatct atgtagacct gatagaggat tccnngcctg ggcttctgct 180

ttgaggtgca ccgggcggtc aagtgtggct acttctacct ggagtttgca gacactggga 240

gcgtgaagga tttcggcatc cagccagtg 269

<210> 6514
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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aaagttggag gcagggttag aagtaaaggg gaagtgagtg gcatatcaaa actggtctgt 120

ttcagtccct aaaatggggg gttatggagg gtgggagtcc tgaggtgagc agaaaagaaa 180

ggtgctgctt tatttgaaat gttttcttac ctcattctgt gccccagtaa agggtccagc 240

ctcatctgtc tggcttggcc atgttcctgt cactgctcca ctgcctctct ggtgcagctc 300

atgattccag gtgctgcttg ccacactagg ttttctctcg accaatttca gctcatcttc 360

cagtgctgct cctccgaagc ctacacaagt ttccttttc cttttgttnt cgttttcgtt 420

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gaatctctca tggctccctc tgtttggatt ggaatgg 517

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<223> n is a, c, g, or t

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gcttctacca acaggagctg ctgtcatact gtgcactggt ctgtagatct gcaccctgag 120

gattcctgat ttcttcatga agcagacatc atagtttgat catctggtct ttttctttag 180

ctttgaattt ttattcaaat gtcgcctctc ttctcccttt gagaaacacc acactgactt 240

tgtaggaggg gccttgctgt ggcctaggga tgtgtgtatg tgtctaaacg aggttgtgta 300

gcttccnaca cttccantnt catcttngac catgtgttca tattttcctc ccacgggtgg 360

aaagtaagag acanccgagt ntctgaactt cccacctggg atctgtg 407

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acagggcacc atctacctgt ggagctggag ccagacatgg gcaggccggg gcagacagtc 120

tgtgttgccc gtagtcatcc tggtccggct gcagtggtca cccaccaacc tggcctactt 180

ttcactcagc acctgtcccg gcaaaaacct cgtgctgtgt ggggacgagg aaggcagtgt 240

gtggatctat gatgttgaac acctcctgaa agancnctcc acaggcaaca actctgcanc 300

ccccaacaca gatcctgaag tggcctcanc caacagcatt gggccaacca gtgaccaag 359

<210> 6517
<211> 430
<212> DNA
<213> Mus musculus

<400> 6517
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ggagctgcag aagcgggagg aggaggaatt caacacaggt cccctctcag tgctcacgca 120

gtcggtcaag aacaacacgc aagtgctcat taactgtcgc aacaacaaga agctgctggg 180

ccgggtgaag gcctttgaca ggcactgcaa catggtgctg gaaaatgtga aggagatgtg 240

gactgaggtt cccaagagcg gcaagggcaa gaagaaatcc aagcctgtca acaaggaccg 300

ctacatctcc aagatgttcc tgcgcgggga ctcggtcatc gtggtgctgc ggaacccact 360

catcgctggc aagtagagcc tgctccctgc cctgcgaagg cctgcagaac cctgcccagt 420

gggcgagaaa 430

<210> 6518
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ctgacctgat cctgttcctt cagttacaat tgctggacgc tgctgcacgg ggagagtttg 120

gccttgagcg atatgagacc gggactttcc aaaagcaggt tctgttgtgt ttccagcagc 180

tcatggaaga gaaaaacctc aactggaagg ntggttgatg cttccaaaag cattgaggaa 240

gtccataaag aaatccgtgc acactctgag gacgccatcc gaaacgctgc acagaggcca 300

ctgggggagc tatggaaata aatcagcttc cattnccaat acaattttct ggttctgcaa 360

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<210> 6519
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<223> n is a, c, g, or t

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acgaccctcg gaacactgac aatgcgtgga tggagacgga agccgtgaac taccatgatg 120

aaacagggga gaccatggac aacctcaccc tggaggccgg agatgacgca gggaaggtga 180

agtgggtgga catcagcgac cagctcaagt tgtacgccag tcactctcag ttcatcaaac 240

tcgtggcaga gaaacgagat gcccactgga gcgaggacca cgccgctgac anccgtgggc 300

tatagcctnt ccccgtgagc canccnctgc aggctnnnac tgcagacaga aggnccacag 360

aactgacacc ccacagaggc cacctggaaa tgcttgcaac a 401

<210> 6520
<211> 62
<212> DNA
<213> Mus musculus

<400> 6520
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ct 62

<210> 6521
<211> 469
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ggctgaagtt ttacaagtac ctccaatgag agtatatgaa gtagcaactt tttatacaat 120

gtataatcga aagccagttg ggaagtacca tatccaggtc tgcactacta caccttgcat 180

gctgcgagat tctgacagca tattggagac ccttcagaga aagcttggaa taaaggttgg 240

agagactaca cctgacaaac ttttcactct tatagaagtg gaatgtttag gggcctgtgt 300

aaatgcaccg atggttcaaa taaatgacaa ctactatgag gantctgaca cccaaggata 360

ttgaagagat tattgatgaa ctcaaagctg gaaaagttcc caaaccaggg ccaaggagtg 420

gccgcttctn gttgtgagcc agctggaggc cttacttctt tgactgaac 469

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<212> DNA
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gccggaaagc tgacatcctg ttgtgtgagc tcaggggacc tccttagaag gaagaagtgc 120

tgcatgggcc ccgaggctca cggccaggcc cagagtaact cttgacccag ggaccttcac 180

atcctcttcc caacacttgc tctcagtagc ctagtccctc ttccctctgt tcccatgtcc 240

tgaagggctg aaaggggaca agtcctaagc tgtctggccc tgcccagccg caggcattgc 300

cccagctanc tgagcaccag gtcagttaag gctgggactg gccatcctca t 351

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<212> DNA
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gtgaggactg gggacccagt aagatttaga gagcaatata gcaaaacctg tcatcttgga 180

ccttttttcac agctgatgct atcataattt tgaaggattt ttaagtaaaa cagcagtgta 240

catatgtgtg tacaggacac caagactncg caggcangcc ntgaganccc canccantnt 300

tccgnccctc ggcggacctg cagatgacct ggagttcctg attcagntcc ctntntncag 360

cccgggctgc ctgggccaca nccntgccag tgtgggcagt gtgacgaaag gcgncctgta 420

ctgccctaag aaatctgatg taaagttttt gtatatttca tattccaccc accagattct 480

gcttccattt aata 494

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<212> DNA
<213> Mus musculus

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gagtccgaca actttgtgaa caagctagac cccagcaaag tgttcaagag caagaacaag 120

attttaatnc ccaaaaaaga aagggcctgt accacctgcc agtggncaga aagggcctgg 180

gcccttacct cctcctacct ctaagcctac cacaggnctc tggaaatcct gtccgaaaat 240

aagcattcta tcacctcagt aatatccaga cacagatggc ccntgtggca gcggcattnt 300

cctgagagac caaancctta gncctttgtt tnccactntc attagctagg ggnntgggac 360

gatcacactg aattntcctc aggagttcct tcctctgtag gttgtgac 408

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<212> DNA
<213> Mus musculus

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atggcaagag gatagtanct gctggcagag ggnccgtcta ctgaatctca gctgctccac 180

agtgcctaca tttgtgctct ccatcactgc taccactcag gctctcgcct tgatagaact 240

ttacaatgct cctgagggtc gctataagca agatgtgtac ctgctaccca agaaaatgga 300

tgagtatntg gcaagcctac acctgcccac ctttgatgcc cacctnacag agctaacaga 360

tgaacaagcc aagtatctgg gactcaacaa gaatggaccc ttcaagccta actactacag 420

gtattaagtt cctgtaatgc aanccagaag acatgttaaa gaatagaacc aancctttn 480

tcaaatacta tccaaggaag aacctagcaa gctgcttctc caatcagagc tgcccnccgt 540

gctcatcctg tgtgttaggt tattt 565

<210> 6526
<211> 169
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<213> Mus musculus

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<223> n is a, c, g, or t

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acagaggctg cagcagntnn ttcnnnnnng gnnncnnntt nncnatccgc tggggcttta 120

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ttcctntngt gatttacctg ggatttacaa ggggtgcaga tcctggaatg cctgaaccnt 180

cggttttaag cctactttgg ggataaagga ctgtttgaac atntggattt ggacgcgatc 240

caacatggaa ggtgtatant ccagctggac aagaaaggag acgtcatttc aacgattctg 300

tggcagagtg gaggagccta tactgattta tgat 334

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<223> n is a, c, g, or t

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gttttgctgt atcattacaa tttggcttct ttatattaat gtttgaaagg gattaaacct 180

ggcattctag aacatgccct tcactggtta tgtaaataaa actgtagaat gacacgtcag 240

atgaagttag tgtgatttta attgtgcact acaaccaagc tgtaaccagt tattaataac 300

ttagaatgta atcccaggac atttaagcan ttantntaca gtanttntnn tgagatagtg 360

gaagaggagg aagaggaggg catttctgta tttcaggact tttctngggg tttcagaatg 420

ggtttatatg attttcttta ttatttttg gtagttttat ttattntatc antcttttta 480

acaaatgttt attgctgcac ntcntcccca gtgtattatt gttttactac ccttgtagca 540

ctggagttta 550

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<212> DNA
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tccctgctat gcccagatac ggcgggcgca cctagggaat ggccagaaaa tagcttgctt 120

tgtgctggcc atggggctgc tggtcttcct ggaatggctg ggctacccac ctcagatcag 180

cctcttctac atcttcaact tcctcaagta taccctctgg ccgtgcctgg tcttggccct 240

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atgtgttttg cct 313

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aatgtgaaac agctaaagga tggaatatca aaagaagttc taaagaaaat gcaaagaaga 120

aatgatgaca aatccatatc agatgcacgg gctcgcttcc ttgagagaaa gcaacagaga 180

atccaggacc acagtgacac attaaaggaa actggctaag cagtggacta tccaattcag 240

gaagcaggaa agcagccagg aaatgtgctt ctgttttgcc agttatttcc gacagtacta 300

tcagaaggaa gtggtcagca gctgttccta gcctgtgagc cgaaagcaaa tcagaattta 360

taaatcacat ntcatcaata ctaacaaatg acattttgaa aggaaagatt gggttgcata 420

ntcatagtac atgaatccaa tcaaagatga tacaatattt ccctcacttc tgttttgctg 480

nccttaactg gtatcaaaca gtgtcactga gatattttca aagaacactg aattgtattt 540

aatcagcgtg tattccattt gcattg 566

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<212> DNA
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<223> n is a, c, g, or t

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aaagaaattt gcctgcaatg gaactgtgat tgaacaccct gagtacggag aggttattca 120

gcttcaaggg gaccaaagga agaacatctg ccagtttctt ctggaggttg gcatcgtcaa 180

ggaggagcag ctgaaggttc acgggttcta agatgaaccc aagcgtggcg agtttcttaa 240

atggttttgt tctctaactc agtttggctg cctcgggaga tganttcttt nacagtaaac 300

gacagacttt gcgtttattt aatcattcag acttccactc acacctgcat ggctacagaa 360

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<210> 6532
<211> 508
<212> DNA
<213> Mus musculus

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ttgtatttct cgactttatg tcccactcta ttcctctaaa cagattctca aacaaaaatt 120

actactcgcc attaagacca agaattttgg ttttgtgtag agtataaaaa gtgtgtattg 180

ctgtgtaata ttactagcta attttgtaga ttttttttcc catttgtcta taaaagttta 240

tggaagttaa tgctgtcata acccccaccc caccccaccc ccggtggtac cttaaagaga 300

ttaaatgcaa acattccttg ctgagtttgt agcttaaagg cctgagaagc actggcacct 360

tttctctatg atggtttgct agtcgccaac ttctaggtct aaccccagcc aaagatgaca 420

gcagaacaac ataatttaca ctgtgattta tctttttttgc tgaggggggaa aaatgtaaaa 480

tgttctgaaa attcactgct gcctttgt 508

<210> 6533
<211> 267
<212> DNA
<213> Mus musculus

<400> 6533
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tctatcccag gcctagagga cgtcacagtt gaagtgtctc ctttaaatgt cactgctgtc 120

acaaacggat cacattctga aaccacttcg gagcaaacgc agcagaatag cacgcaagac 180

tctggagcac aggagagtga agcgccatca gaaaatgtcc tgaccgtagc caaggatcca 240

cggtatgcca gatacctcaa gatggtt 267

<210> 6534
<211> 493
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ctggtggtca ccatcgccag ggagggcctt gaggacaagt atggcctaca gctaaatcct 120

gaatggcgca tgttgaagta ccggtctttc ctgggctcca tctcacagca gaacatccgt 180

tctcagcagc gacctcggat ccaggagctg gggaccctgg atgccagtgg ctcactggga 240

acctgtcatg gcccagaacg gcctcacctg aacctttggt tggaagcccc tgacctgctc 300

ttggctgaag ttgaccttcc taaactggac ggcgcacaag ggctggcact ggaaatagga 360

gagaaccgcc tggtgatagg aggcccccag caactgtatc atntggatgc cactgttccc 420

ctgaggatca acagtgaggc aagcagggct gcttttcacc gcaggaggaa gcaactgatg 480

gtgtccatgc ccc 493

<210> 6535
<211> 307
<212> DNA
<213> Mus musculus

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ccaagggcat cccgcacctc gtcacgcacg acgcgcgtac catccgctac cctgacccgc 120

tcatcaaggt caacgacacc gtgcagatct cgctagacag cggaaaaatc accgatgcca 180

tcaagtttga taccggcaac ctgtgcatgg taaccggagg cgccaacctg ggtcgcatcg 240

gcgtcatcac caaccgcgag cgccaccccg gctcctttga cgtggtccac gtgaaagatg 300

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<212> DNA
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ttatttattg gttatttatt gttcttttaa ntaatttgat attttgataa ggttatacac 120

agtacatatt gactgtcagc tttcagttac aattgagtac attgcatttn ttcttatgac 180

taacacagtg atctccaact cttcactcta agagccttgt tatttcag 228

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<223> n is a, c, g, or t

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ttatttattg gttatttatt gttcttttaa ntaatttgat attttgataa ggttatacac 120

agtacatatt gactgtcagc tttcagttac aattgagtac attgcatttn ttcttatgac 180

taacacagtg atctccaact cttcactcta agagccttgt tatttcagnn tgtgatcatg 240

aaancccaca gatatcagac ccagatggat ctctncantc ttcatgggac ttgggctnnc 300

catagtttnt tnntganccn gactnaacta caaantcctt catacattca gtatggagag 360

tntntccaac tgtctggata ggaacttaat gatggaaaac ttacccatgc tgcntcgttg 420

ctntcaaata tttagctact gtgaaaatnc tgtggatgat ggtgttgaac gcattaatgg 480

caaatacatc agtntttctg taatagctct cattaaatc 519

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aattagaaag aagcacagtt ggaacctcga ggtcctttct ggggatcatg agcagaggta 180

ctggcagaag attttggtag atagacaggc caaacttaat caacctcggg aaaagaaaag 240

aggcacagaa aagctaatca ccaaagctga gaagattaga ctggctaaga ctcagcaagc 300

cagtcagcac ntccgtttct ctgantnatg actgagaaga tgacgacttt tggncctccc 360

ttnctgaagt nttcttactg ctgggctncc tcatgactgt tgtgttgaga tntgcatgag 420

aaaagaaaag gaaaaaacct tggctcctca atgtntcaat aagacttttc taataacaag 480

tgcatgtttn tcagattttt tcaatgaaca cccttacttt tgaatttacg caaatgcaac 540

ttcaga 546

<210> 6539
<211> 382
<212> DNA
<213> Mus musculus

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ggaaatatgg aaagaaggtg caaactgagg tcctgcagaa gaggcagcgg gagaaagcac 120

acatgatgaa tgccatcaag aaataccaga aaggcttctc tgataagctg gatttcctgg 180

agggtgacca gaagcctgtg gaacgcagtg caaaggcagg aggtaaaggc cagcagatga 240

gtaaagggcc taatgccaaa cgaagataca aaaatcagaa gtttggtttt ggtggaaaga 300

agaaaggctc caaatggaac acgaaagaga gctacgacga tgtctccagc ttccgagcca 360

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<213> Mus musculus

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<223> n is a, c, g, or t

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ctatgacttt aagccaacac tcaagaccga ggacctgttg gccactttct ctgagttcca 120

agagaaggga ttcagaatcc agtgggtgga tgacactcat gctatcggca tctttccctg 180

ccctgcctca gcactcgagg cactggccaa ggatttctcc gtgctcaaga tccgcccgct 240

cacacagggg accaagcagt ccaagctgaa agccttgcag aggccaaagt tcctgcgact 300

atcgaaggag aggccgcaga cagattcagc ggtggcccgc aggctggtgg cccggncctt 360

gggactccaa cacaacagaa agaaagagct gcctantccc ccaagtgttn tgccatcttg 420

aggccccgga cccagctntc cgaattaggc tggggcccag taccacacnc ctttacagat 480

accaggacag ccccttgcc ctcactggag ctgctatggg 520

<210> 6541
<211> 471
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (137)..(137)
<223> n is a, c, g, or t

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<222> (267)..(267)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aagaacgaga ccgatcatcc agcggccagt ccagcaagag tgtgggctta aagcactaag 120

ggccacgctt acctccnaac tagtttggac taaccaaaga tgtgcatgtt tgtttgcttt 180

aagaagaaaa aaaagcataa ttttaagact agtgcttcct ctagatggta gtgcacttgc 240

ctagcataca tgaggccctg gggctcntcc ccagtcaaaa gaaaaagnca ttgtctttgn 300

ataagtgtat gagttttctg tgtttttaat acttnaggta cgttcagaaa ggttaanccc 360

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<210> 6542
<211> 553
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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agattgtaat ttttcctagg ttatggccat tttgtgtctt tgcgattgtg ctgtgtgtgt 120

ttgggtttga gggagggcta gctgggaggc ccgagctgcc anttgttgag cagccttgaa 180

atcagcgctg agtgtctgtg gccctcctgg cccataaggg ctccatcctt agtgatgtca 240

tcaccactgc ttcttggtgc tttgtggtcc tgatggacag agacaagggt tctgggatct 300

cagagtgaga agcatcctcc tggtggggac ctaagcttga gtgtgcagcg tgttacacag 360

gcacatgtct ggcagggaca cggactggag gccaccttcg tccttgcggg tcactcaccc 420

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actcctactc atgaggacgg aggcgccagc ccctcccctt tttattttac tgttctaatt 540

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<211> 519
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (434)..(434)
<223> n is a, c, g, or t

<400> 6543
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gattttcaga atgacgtccc acactaatcc tgacttatgt cacatagcaa gtaaactaag 120

agggaagggt gaggagaagt ggggaggcca gcagcccagc ccacactcag gatcaccgct 180

caccttcca gagcattctg gactgagctg agcaacaggc agagggcgtt agcctcattg 240

tgaggttttt ttttnccctg atgtcatcat cataacgtta tttatttaaa tgtagttatt 300

ttggtattta attttttttn agagagnggg ggngaaaccc tgtattttcc tggtagaatg 360

aaatggctca gaatggtata tttagncaat ttaaaacatt atttacataa agaccaaata 420

tgataantct nttntaagta ttgcttcacc cacagtatgg agctgtcaca atgttactgc 480

agatgatgcg tgttgacatg gagttactgc acccaagct 519

<210> 6544
<211> 468
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
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<222> (439)..(439)
<223> n is a, c, g, or t

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agattttgat tcataatgca aagcatgtaa tttttactat aacatgtgag tgtgaaaatc 180

tctatcctca ggtaaccggt tgagtgcatg agctctgact tcgaaacgag gtaactgtag 240

gatcggaagg aagagcaggc tcatgctgtc gcccacagca ggaccccact ggtgtgtctg 300

gctaaccacc tgtgncccag gaatacaaac ccancccttga gaatgtaggg aaggagctct 360

tgaacacaac acagcctctg tctgtntnta ctgggcctgt gctgagtgct aagtgcctgt 420

agctcactgc acccgtgtnc ctgagatgca gtgttgcacg ttgacaca 468

<210> 6545
<211> 431
<212> DNA
<213> Mus musculus

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<222> (93)..(95)
<223> n is a, c, g, or t

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gaactgggcg tctgggcaag acctgcaggc gannntacag ctgcgctacc aggagatcgc 120

caagcggacc cagccacctc cgaaactccc cgtgggcccc agtcacaagc tgtccaacaa 180

ttactactgt actcgtgatg gccgccggga agttgtgcct ccctcaatca tcatgtcctc 240

acaaaaggcc ctggtgtcag gcaaggccgc cgagagttct gcaatggcag ccactgagaa 300

gaaggcagtg acacctgctc ctcccatgaa gaggtgggag ctgtccaagg accagccata 360

cctgtgaccc tgccctaggt taccttgcta tatatgtctc tagggccaca tgactgcttt 420

tcctccttgg a 431

<210> 6546
<211> 393
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 6546
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agaagcatac catctttgga cgggttgttg gggnctttga cacgctgaca gccatggaga 120

atgtggagag tgaccctaaa actgaccgtc ctaaggagga agtgctcata tgtacaacca 180

cagtgtttgt ggacccctat gaggaggctg atgcccagat tgcccaggaa cggaagaaga 240

cacagcatca ggtggatcca gaggccaagg tcaagatgag tcagccccag cctggaaacc 300

agggacccca gacataccgc caggggtgg gcaagtacat ccaccctgcg gccacgaaac 360

gatcagcaga ggaagaacca tcgaccagca ctg 393

<210> 6547
<211> 563
<212> DNA
<213> Mus musculus

<220>
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<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (490)..(490)
<223> n is a, c, g, or t

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<222> (515)..(515)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tggacgatgc cctgaaggtt ctcctcagca acccccacat gtggtggtta caggatgcag 120

accctgaaaa caatagccgc caagcaagtc cttcccagga aagcatcaac cagctggtgt 180

acatgggctt tgacacagtg gtggctgaag ctgcactaag ggtgtttgga ggcaatgtcc 240

agctggcagc tcagaccctt gcacaccatg gaggaagcct cccacccgac ctgcagttct 300

caggagagga ctcctccccc acaccgtcca catccccatc tgactctgca gggacctnta 360

gtgcctcgac agatgaagac atggagacgg aggctntcaa cgaaatcctg gaggacattc 420

cggagcacga ggaggactac ctggactcca cgctggagga tgaagaagtc attattgctg 480

aatacttntn cctacgttga aagtataagt tctgnccnca aagaacaact gatcagaaat 540

aagtgctacg tttcggctat aaa 563

<210> 6548
<211> 430
<212> DNA
<213> Mus musculus

<400> 6548
agtcacctcg gaagaaacgc catggttcct ccacaaggga gatctggccc cgcgtcttgg 60

atcctgagat ctgtgcgaga tcccggcttt gcgccctgtc cgccctggag ctggatttat 120

catcagttta gaatagcatg gctacgatgt gtggtgcgga tggatggacg agccccgcaa 180

gtgcagacag gacagtccac atcacctgcc aaagcagcca gcaatgcaac agctctccaa 240

gatcaggcct aggtggatca ctgacctggc taaaagtacc aagaaggcct ggatcattgt 300

ggtgcctctc tccagaaaat ggtgacaaaa attgaaatca accagcacat caggatcctc 360

tgtggcaaga ccaagataat aatgggggac actgtcatct ggcactgtgg ttccttcacg 420

acaacagtgg 430

<210> 6549
<211> 466
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<400> 6549
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tgtggcctgt accttgttcc caccctgctt ttgctgccca caccagactt ctccagcatc 120

actgtgccac cctctgctga agagaagggt gaattaataa cagccctagt aagaccagcc 180

cagttcagtg atcctcagaa tcccctaact catgctctca gcaacctgct gggccctgag 240

ctgacataca tcacagagaa gggtctgctt tagtcttctg ttggcagggc tgcttatgct 300

ttaagtactg tcatctcagc cagtccatga tcctcctagt aagggtaatt tttcacaaca 360

gcatttataa gggaaacgtg aattagtaat gcaggntntt cctggtggag ggtgattcct 420

gagagcatgt gctgggaaga cctatcaact ggcctgctgg agagat 466

<210> 6550
<211> 328
<212> DNA
<213> Mus musculus

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<222> (138)..(138)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<400> 6550
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gtttacttat gtaaatattc cgagtcatgg ctggtatgca caggcttctt atgtgggtta 120

ttacagtaaa ctaatcancc gtggttcatn actnagttag atactaagta atacttatac 180

tgttcctgag aatagattct ttttcatgag aaagtgaaag agcaaatgtt taattcttca 240

tacttgaaaa cacaaactga aatatctcac ccatcagttt tccttgggtt ttcactttgt 300

gtagttctga ctgtgcttaa ctaaagta 328

<210> 6551
<211> 540
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<400> 6551
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ctaagaatgc actattgaga gacccctatg cactgcggcc agtacggcgc ctcatcgaca 120

actgtgcctt ccggctctat gggcactggg taaagaaggg tgagcagcag aaccgggcag 180

ccctcttcca gcaccagcct cctaggctgt tccccattgc tgccactgaa ctcgaaggag 240

actccggtgc catcacagag gatgaggcta cactggtacg gagctagggc cgtatccctg 300

ggcaagccag aaagaaggac tctccaggag gacatttttt tttnctatca ttccaactgt 360

ttgggactca gaccttagcc ctnccttgcc aagcctacaa ctgagaatgc tgcttgtcac 420

agaaaccagc cctttacccc tactactctg gacttggaga tcagggcaga gatggaaggg 480

agcctcttcg agggttgtgc ctggcctagc tatcgccacc tgcgctgcat ctgaaataaa 540

<210> 6552
<211> 428
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<400> 6552
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actttaatct catcacccag tggaaggcgt gtttaccagg tgctagggag ttctggcaaa 120

acatatacat gtctggcttc ctgtcattac tgctcgtgcc cagcattctc cttctcagtg 180

ttacggaaga gtgacagcct gctgtgtaag catcttctgg caatttacct tagtcagctt 240

ctgaggnaac tgccagcagc tccatgtgtc tgacaagcaa ctgacagacc tattgatgga 300

ggacacaaga aggataaaag gtgcggctgg aacatggact tcaaagacag aagcctagca 360

ggaaacncat tcacatctca cggtncccga ggtggaggaa tgggatgcac ttccagactt 420

gtgactgt 428

<210> 6553
<211> 504
<212> DNA
<213> Mus musculus

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<222> (30)..(31)
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<222> (109)..(109)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acgctcttag gaagtttaag gcccaaaaga ggtcccaggg ccaatggcng gagnctgggc 120

cgaccatgct actacgagag gagaatggct gttgcagtcg gcgtcagagc agctccagcg 180

ccggggactc tgatggggaa caggaggact cgccggccac gcgtgcacgg cagcaactag 240

aggcattgct caacaagacc atgcgtatcc gtatgacaga tggaaggaca ctagtcggct 300

gcttcctgtg cactgatcgc gactgtaatg tcatcctggg ctctgcgcaa gagttcctca 360

agccttctga ttcattttct gcgggcgaac cccgtgtgct gggtctggcc atggtaccag 420

gacaccacat cgtttctatt gaagtccaaa gggagagtct gtcggggggc ccgtatctct 480

gaccacaatt gcacttctct ttga 504

<210> 6554
<211> 192
<212> DNA
<213> Mus musculus

<400> 6554
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gacgagagcc cagcagacat ggtgaaaatg accaagtcca aaactttcca agcttatctg 120

ccacactgtc accgaactta cagctgcatc cactgcagag cccatctggc caatcacgat 180

gagcttatct cc 192

<210> 6555
<211> 383
<212> DNA
<213> Mus musculus

<400> 6555
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aaaagtcaaa actagacatt ctctgtgcct tcctgtactt tgatacctct ggatattact 120

atgtgggcaa gaaattgaaa acagctttgg aaaacagttt tgagttttga aacatcaagg 180

aacgtactca gaataaggac gtattgtata ctgttagaat ttatgtatag gttcttattc 240

cccaccattg gaaatgcttg ttttgtttat tttcacactg ttgaagatta aaccaaggcc 300

ttgtacatgg taaataagag ctctactcct gagctgtgta cctagtcctt gcttgtttgt 360

tttacaggca aggttctgga tct 383

<210> 6556
<211> 162
<212> DNA
<213> Mus musculus

<400> 6556
gataatgata ttttgttaca gtgtctttat tatctcaaag ggggttctaa agtaaatact 60

caaagcatat acttttaga cattatttta tactgaaaca actgacagta ggtaggacat 120

tactgattaa atctagttta tttgttccaa tgactgtaaa at 162

<210> 6557
<211> 160
<212> DNA
<213> Mus musculus

<400> 6557
gagcccacac aggaaggcaa gctgttccaa ttatatccta agaatttccc acgctagaag 60

accatgagag aggccaaaag tttgtctaca aagtggagac agtactgacc aagccttgga 120

ttcttattgt ctcaaagagt aggggcagct tcctagcgca 160

<210> 6558
<211> 321
<212> DNA
<213> Mus musculus

<400> 6558
gtgtaactgc aaaagtttct gatggtactg catatctaga tgtagatttt atagacgaaa 60

tacttaccag tatgataggg tattcagtac cagaaatgaa acaattaaga aaggaccctc 120

ttaaatataa aacattccta gaagggttac agaaatgtca gcgagatctg atcgatttgt 180

gttgcctgat gactatttca tacgatcctt cttcatgtaa aggggtggtg ctggaattgc 240

aagatgttgg tatggaacac gtggagaacc taaagaaacg gttgaataaa taatttgcca 300

gaatgctatt ggagcacact t 321

<210> 6559
<211> 172
<212> DNA
<213> Mus musculus

<400> 6559
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agcaagatga gctaaagcgg tctgccatga gggcagtggc ggctttgtta accattccag 120

aggcagagaa gagccctctt atgagtgaat tccagtcaca gatcagctcc aa 172

<210> 6560
<211> 520
<212> DNA
<213> Mus musculus

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<222> (63)..(63)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (455)..(456)
<223> n is a, c, g, or t

<400> 6560
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ccnagcttct cggttcaaac tcctgaaggg tgctgagagc ataaccacat acacctttaa 120

cacngcacna naagcnccan gcacaccttc tgcaagagat gtggtgtcca gagcttctat 180

actccgcgct ccaaccccgg gggctttgga atcgcccccc actgcctgga cgaaggcact 240

gtgcggagtg tggtcactga ggagttcaat ggcagtgact gggaacgagc catgaaggag 300

cacaagacca tcaagaacat gtcaaaggag tgagnnangg cagtagccct gtaggttgca 360

tgggtgtgtg tcgctgtgca ggcctgcctg ggctaccant ctccactccc catgtntctg 420

aggttcactc cagccaccat ttctttaggc agntnnctgc cttaacccag gtttcgtgta 480

agaaacttaa ccttctccct tcctaccaat ttttgtgtga 520

<210> 6561
<211> 405
<212> DNA
<213> Mus musculus

<400> 6561
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ccttttcgtg gagtttgcag actgctgttt aggaatcgtg gaaccatccc agaagaggga 120

ttcctaagac tggatgtgtt ctctgctcaa gttacctgct gctgctccaa gaggtggctg 180

ttttcaaggc caccatacgc agcatgcaca cgtgggtctt cctctaccac atggctcgct 240

gcagcaactt catgaagagg aaacttgtag ccctggagtg atggctcagc agttaggagc 300

attgactgct tttccagagg accccagttt tcagcaccta tttgactact tacaactgta 360

attggttgca gaggatctga cagtctttac tgtatgcatg tgcat 405

<210> 6562
<211> 62
<212> DNA
<213> Mus musculus

<400> 6562
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ct 62

<210> 6563
<211> 556
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (438)..(438)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (478)..(478)
<223> n is a, c, g, or t

<220>
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<222> (505)..(505)
<223> n is a, c, g, or t

<400> 6563
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attcctcagc tcattatccc aataaaaaat gccttgaacc tccgaaacag acagatcatc 120

tgtgtgacgc tcaaggttct ccagcatctg gttgtgtctt cggagatggt gggcgaagct 180

ttgttgccct actaccgtca gatcctgcca atcctgaaca tctttaagaa catgaatgtg 240

aactccgggg atggcatcga ctacagccag cagaagaggg agaacattgg cgacctgatc 300

caggagaccc tagaancctt cgagcgctac ggaggggagg acnccttnat naacatcaaa 360

tacatggtgc ctacctatga ntngtgcttg ctgaactgac cgggcagctg ccggagggag 420

cctcccttgg tntcacancc ntctntccct aaantcctag catntcatta cttgtgantt 480

ctacagctgc aaacatagta gtttntgggc caaaagactg ttagccctat tgtaagcaag 540

gctttcccat atataa 556

<210> 6564
<211> 549
<212> DNA
<213> Mus musculus

<400> 6564
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tctctggcct tttcccctgc tcttccagtc cctgaccttt cagtgttctg agcagactgg 120

gaagttcctt ttggctgact cctttctggc accatgccct gtaccaagtg gctatgctca 180

tggccacagg acttcgcctg ctcaccaagt tctcagagca ataaaaggta ttcatccatg 240

ccggaagctg ctcccaggtc aggggtggga gtggaatggt gccatggatc aacaggacct 300

actcaccaag ttctcagagc aataaaagat atctatccat gcctgaagct gttcccgggc 360

caggggcggg agtggaaggt gccatagatc aacacgactg tggtagtgcc tatgacattg 420

gtggtgctga tccttggagt ctggataatg accaggcttg gcaggtgcgt agccagagag 480

accctcctct ggacaaacct ggagaacctg tgtgtgtgtg acatttctag cttgtcttgc 540

tgtgtgatc 549

<210> 6565
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
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<222> (154)..(154)
<223> n is a, c, g, or t

<400> 6565
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aacatggaca accggctccc gctagagaac ggccgtttca ttgcgggtcc gtgcacctag 120

gggctggagg ttggagggcg gncccagccn ttcncgtgtc ctctgacccc agcgtcccct 180

tccctccctc gctctgcagg taccggctgt ctggtgcgag ccgtggagat ggccgcccag 240

cgccaggcgg acatcatcgg gaagcctagc cgcttcatct tcgactgcgt gtcccaggag 300

tatggtatca acccggagcg caccgtcatg gtgggagacc gcctggacac agacatcctc 360

ctgggctcca cctgtagcct gaagactatc ctgaccctca ccggagtctc cagtcttgag 420

gatgtgaaga gcaatcagga aagtgactgc atgttcaaga agaaaatggt ccctgacttc 480

tatgttgaca gcattgccga cctcttgcct gcccttcaag gttaaag 527

<210> 6566
<211> 529
<212> DNA
<213> Mus musculus

<220>
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<222> (171)..(171)
<223> n is a, c, g, or t

<220>
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<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<400> 6566
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gaggggggaaa ctgcagagtt ttacctgaaa gtttgttctc tttaaactgc tctgtgacag 120

tggcatgtgg gaggagacgt gcagctggtt cactttctta gttgatgggt naactgaagt 180

tccttcccac ccccaacaaa gaagatgttt agaaaagaga ttgggagtgt aagtttccaa 240

ctagttaaca gtgctaaacc gatagagctc tcatttgggg atggcatgcc agagtctgta 300

gagatgtctc tgtcatgtca cttttcaagg attccttant ggggcttgat cctattancc 360

naaacttttg gtggtgaggt agagatttgg ggtgggnccg ggggtagggt atggaaggat 420

atgcttcctc tgcctggcag atgtctacag cttgaaacaa acagttgtac ctaatgaact 480

ttattcgttt agtgaaaata gatttataca cgaaccatct tgtttccca 529

<210> 6567
<211> 545
<212> DNA
<213> Mus musculus

<400> 6567
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tggagaacct ggatgacagt gtattttcaa agaggcatgc aaaactggag ctagacgaga 120

agaggagaaa acgatgggat attcagagga tcagggaaca aagaatttta cagcgactgc 180

agctcagaat gtataaaaag aaaggaattc aggaatctga gcctgaggtt acctcatttt 240

tccctgagcc agatgatgtt gaaagtttgc tgattacccc cttcttgcct gttgtagcat 300

ttggacggcc attgccaaaa ttagctccac agaactttga actaccctgg ttggatgagc 360

gaagccgttg caggttggag atccagaaga agcacacacc tcaccggacc tgtaggaagt 420

agctgtgctg gcggtagcct gtcttcagat agttgtagca tgctgttccg agagaatagc 480

agagacctgt atgtgtgacc tgtgccctca tgtctgttat cattcactgg taatgccttt 540

ccatc 545

<210> 6568
<211> 483
<212> DNA
<213> Mus musculus

<400> 6568
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gtaggagcat cagatggcta tttgtacatg tacaacctgg acccccagga gggaggcgag 120

tgtgcgctga tgcgtcagca caggcttgat ggcagtatgg agacgaccag tgaaatcgta 180

gactctgcat ctcatgactg ccccttagca acacagacgt acggcacagc agctgccaaa 240

ggtgcctatg tgccctcgtc ccccacaaga cttgggaaag ggcaggacgc caacttagaa 300

gcctacacag atgacctggg tgctgtgggt ggtgcatgcc tagaggatga agccagcgct 360

ctgcgcctgg atgaagacag cgaacatcct cccatgattc tccggactga ctgatcctga 420

cctgtgaact ctggcccagg agcagacaac actgcctggc tgaggacttg agcattgctg 480

cta 483

<210> 6569
<211> 420
<212> DNA
<213> Mus musculus

<400> 6569
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tctcctgctg tgagctctgt ggcatagcct gctgaggaat ggaatggaga tgcctataga 120

ggtcccaatg tcatcgtcgt aagcaggtgt gaaaggagag atctcttcct caccacccgg 180

ctacctcaac tcttttctgg tagcagtgcc tatgtagctg catctaggtt ctcagaagca 240

cagacatgta aacaggtggt tgggttgggc tttaggacat actgtcacag gagagcttcc 300

agggtctctg agctggtttt cttcacaggc aaacatcctg agggaccttt aagtagggga 360

gttctttatt ctgatttgcc tgcagaagta ggaagacttg ctatatcagt cctcagtagg 420

<210> 6570
<211> 186
<212> DNA
<213> Mus musculus

<400> 6570
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ataagaaaat catcgaatac ataggtgaag aagaagctac attagttgat tttgtttgct 120

ctaaggttat ggcacatagt tcaccacaga gcattttaga tgatgttgcc atggtactag 180

atgaag 186

<210> 6571
<211> 349
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<400> 6571
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ctgcagcgcc agtgagtggg tgggcccaag tgacttcagt taggaacatg ttgagggaag 120

caaagcccat gcccaccact gtccgtccct ggaggccagc tggagcagct cctttgtcct 180

catggtatat gccagcagga ggtgggaggg tcagcatact tggggagcat aaggcttgac 240

taaccaactc catgtggaaa aaaaaaagct atctgaggaa tgcagtgcca ctgtctttct 300

ggggcaacag tgtgtagtct atgctgcttc gtctaagtat tctcctttt 349

<210> 6572
<211> 517
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(111)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (487)..(487)
<223> n is a, c, g, or t

<400> 6572
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acatcaccta ccgcagagta cccgggagtc gcctgagccc agagncggan naggtgacat 120

tcagtactgc ctttgctgga ctcacggacc acttggctat gggcctgaag cttcaagtgg 180

tatgctcctg acgctggtgc ccagacaagg ggatgaatgt cgagaaagac caccatgggg 240

ggagcggagc ccaataaccc aataaccatg cgactcaaag gatctttatt gtgggggcac 300

tcatactgct tnctgggcgc ggcggtactc atacacactg cctcgntntg ggaaggctgg 360

atatagcggg ggcgagcctg gtggtggtgn tggntcntcc ggntntccat agcccccacc 420

cccaggcgtg tggaggcaga acgcntcctg agaagaagag caagttttaa cacaggttgc 480

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<210> 6573
<211> 528
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<400> 6573
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gcgtcctagt gggtgggggt ggggacatcc tcttggaaat gggggaggag gaatgggatg 120

aggaatcatc agagagatga ccaggaggga gataaagact ggactgttaa aaaaaaaaaa 180

aangattaaa aaatctcgat gatagatccc agcactcctt ttcattctgg gatgtagggg 240

cattgattat tctatttcgg agtagttttt ttatatggaa tggggttatg tttgtgcttc 300

tccaatcttg cagcacttag aaataccact gccccacaca gaattgagat tccttccttg 360

tgtgtgacac taatccagct gtaacctttt ctgtaaacgt tatgaataac ctcacctcaa 420

atggtgagtg ggctaatgtt cacacactgg agctctgtca actgcatttg ccctgtgtgc 480

ttctccaccg cgccatgggg aactaaggtc ttgcttagtg cacctcat 528

<210> 6574
<211> 561
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
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<222> (60)..(60)
<223> n is a, c, g, or t

<220>
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<222> (65)..(65)
<223> n is a, c, g, or t

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<222> (361)..(361)
<223> n is a, c, g, or t

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<222> (381)..(381)
<223> n is a, c, g, or t

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<222> (384)..(384)
<223> n is a, c, g, or t

<220>
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<222> (387)..(387)
<223> n is a, c, g, or t

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<222> (398)..(398)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (460)..(460)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

<400> 6574
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tgcgnctgct gcatgcagga gagtaaagcc accggagccc aaaggggcat tgagcaggga 120

cttaactcca gggtctacca gcccagtggc tagctgcagc tttagcacct caacttcccc 180

agcacgacaa gcagctagaa gcgtgtccca gagctctggc tgaccagggg ctttggcctc 240

atagaccaaa gtatccaatg gggtttcaac ctcttgggtt ggctgtgaga acggctcatc 300

ttgaggttgc tgaggaagag gcccatgtgc cccacactgc tgctcttgac ttctctcctt 360

nttcttcctc ctcctcctcc nctnggncag tacttcanat tcacgnagat ccagggtccc 420

cagggtcaat tntactagct ccaactctac ttcggaaccn tnttcttcct gagactctga 480

acctagaaaa agataggatc ttagatctat ctaaggaata gggagagggt tgaaagatgt 540

gtgcttcctc agatgggttt a 561

<210> 6575
<211> 356
<212> DNA
<213> Mus musculus

<400> 6575
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cgggtctgga aggttccctc agggactgga ggatgtatct acatacccag tgctgataga 120

ggagttgctg agtcgcggtt gggatgaacg agagcttcaa ggtgtccttc gaggaaacct 180

gcttcgggtc ttcagacaag tggaacaggt gagagagaaa agccttgggc agagccctgt 240

ggaggtcaag tttccagaga ggcagcagag caacacctgc cactcccacc tgctgcctca 300

gcctcaggag gaccaacacc aggatacaca cctgaaggtg acaaagctgc caaaca 356

<210> 6576
<211> 361
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<400> 6576
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caagcattgg ttaaagggac accaggccca gccgcgaggt atcagtacat gctttttaaa 120

gcacagtggt gccccccacc cggccaccca cagcgagacc tcgccagagt ctagagccca 180

ggncgggctg gtcccccaan acanccgagc ggcctttcgc tccttcctac ccacaggcct 240

ggccggattg caggtcctcc gggtcctcct gtgcccaggc ctcactctga gcccgtgcca 300

gggcaggaaa gagctggctc ctctggatct ttcttttaca tcatttatca tggactagcc 360

c 361

<210> 6577
<211> 404
<212> DNA
<213> Mus musculus

<400> 6577
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ttgcttagat gctgagtaag gaagatacat tgttgtcatt gtttggcttt ggtagaatga 120

aacttgaaga catttgataa ctgctctcat ttaacttcat tactacttac cacagcttcc 180

tcagtgtgtt gaacaaggca acttttctag gtaagtgctg cttaaatcag cacttagatg 240

acttctgaac gtcaggccca ttgaactgat gttgtgtaga ccgtttctaa gtcctaattt 300

ggaattttca gatgctttgc acttgacata ttccaacagt tcattggaac atggaggcaa 360

aacgccagcc tgctaaagag agcttcagtt ttacaacctg gcca 404

<210> 6578
<211> 557
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<400> 6578
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aagaaacatg cttctaactc tggagcagga ggccaagcga cngnaggttg ccaatgccaa 120

gtccggagcg cttagaaaag gtcgttgatt ccatggataa cntagataaa gttgtccagg 180

agagggaana tgctctaagg cttcttcaga ccggtcaaga aaancccaga cccggtgctt 240

ggagaaggga catctttgga cgaattgtct ggcacaaatt caangcagtg gcctatacct 300

tggtacctaa ataaaagata caacaggagg cggttcttcg caatgcctta tntggatcgc 360

tttatcagac taagaattga gaaacacgcc cgcattgaag caagaaagag aagtttacag 420

aaaaagaaag aaaaaattct ccatgcaaag ttcccacatc tctctcaaga acggaaatca 480

agtagtgtct aagatgagac ccagaagtct ggttccattg ttcttaaagc ctgtgtcctg 540

acgtgaatac ctgttaa 557

<210> 6579
<211> 324
<212> DNA
<213> Mus musculus

<400> 6579
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aagattgaaa agcttgtgat acaaagttac ttggtgcgga ctttgaggat tgaaaagacc 120

acatctaaag agccattgga ttttgagcag tgggttgaaa aagatttagt acacacagag 180

gggcagcttc aaaatgaaga aattgtggca cgagatggct acgccacttt cttgagattc 240

attattgtct cagcatttga tcattttgca tctgtgcaca gcatttctgc agagggacta 300

acagtctcaa gtcttcctta gtaa 324

<210> 6580
<211> 529
<212> DNA
<213> Mus musculus

<220>
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<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (326)..(326)
<223> n is a, c, g, or t

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<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<400> 6580
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aagaaggagt taaaagtgga gtctatgttg taatagaaat taaagtttca actcgagaag 120

ggaaggnaaa taaccngccg aangttnacc tgatgacgaa ctacgagagc gcgcccccat 180

caccacagta taagaaggtt atctgcatgg gtgcgaaaga aaacggtttg ccacaggaat 240

atcaagagaa attaaaagca atagaaccaa atgagtataa aggaaagatc tccgacgaaa 300

tggaagacat catcaaaaag ggagantcaa aactntncat aacagactct gaagctatgt 360

gtgctagtat gaagtgcttt taacgtttgc gaacaggant ctggaccttc ttggttctga 420

ccttgatttt caacagtgct gggaagggct tctcacatag gtgattcttt atttttaact 480

gtaacaaaga actggaatgg ggatgggctt agaccattaa agggaccag 529

<210> 6581
<211> 555
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<400> 6581
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gagggatgag tacctgcctc cacacccccc acaggagaca ctagatgtag gcagattcca 120

acgactgccc cagctagacc accccaacct aatccaacgc aaggccatct caggttatgc 180

cggcttcgtc ccccggtttg cctgggtaat ggggatgaat taccgtgatg gtgtcacaca 240

agctatggat gactttgaca agaaccagtt cgtgttcaga cacccagtct gtgccctggg 300

tgaaaggctg cctaggaccc actggccaaa caccaccatc tntagaagcc aaggcctgat 360

tnccttttcta catgggcttt atcccatcca tgcaggacaa ctatncactn acattcggta 420

acagcacccg aagagcctnt cagaaggaat tggacaggcg aanccacaca ctatgaattg 480

ctttaatggt ggtatctgta caagtgatgt caggacacag gacagcaaat gcacagtgga 540

catggctagc agaca 555

<210> 6582
<211> 506
<212> DNA
<213> Mus musculus

<400> 6582
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gtccggtcag ccgccggagc cacctttgac ctctcgctct tcgtggctca gaagatgtac 120

agattttcca gggcagcttt gtggattggg accacttcct tcatgatcct ggttcttccc 180

gttgtctttg agacagaaaa gttgcagatg gagcaacagc agcaactgca gcaacggcag 240

atacttttag ggcctaacac agggctgtca ggaggaatgc caggggctct acctccactt 300

cctggaaaga tgtagattct tccttcggta tttgtccttg tgggagaact ttgaaattca 360

tttgtgtttg aactgctgat tgttggaact ttttattctt ttttttaacc ttggcacatg 420

gatctatttg aacatagtgg gaactttctc tgtttctcat ggagagaccc caggtacacc 480

tgtgccctac ataatgaagt ccctca 506

<210> 6583
<211> 498
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<400> 6583
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ggtgcaaggt gccattgagc ttctggccaa tcaatacaac atcaaggttc aagtggaaga 120

cctgtctcac ttccgaaagc ttttcatgga cacattctgt ttcttcccat cctgccaggt 180

tggggagctg gtaataccaa acctcatggt caattttgga cctatgtact tctgcaaact 240

gcataggctg ccatagtgcc accctgtccc tgaagtagga aggtgatgac tccattgaaa 300

ctgaggctag tggcaggtgt atcccaaggc ctgtctccat ccattacatn taaagatagt 360

tgcaaacagc aggcagtagg gactgctgcc cagctctgga ttatcagcag gtttctaact 420

catgtctcat gtntcttagc ctctactaag gcccttgctc cattagggat taagacagaa 480

tctgtgaatg agcccata 498

<210> 6584
<211> 414
<212> DNA
<213> Mus musculus

<400> 6584
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ccaggtttgg tggctcacct gtagtcagca ctggagagag cccatgtggg agaatctaag 120

ttcacattca cccttggcta tatggtgagt tccaggccag cctgggctac acaagaccac 180

gtctaaaaat gaaaacaaga aacaaacaaa catacaaaaa agaaaataat aacttaggaa 240

gagccgtttt gctgagcttg ctaagtgtca gtgggagaat gtgtttcctg gagaccaaag 300

tcattcactg aagtcattca ctcaggaatt acatacacat ggaaagtcac agacttagct 360

gcgttccgag ttactgacca ccaggggggca gcatagccct tgctctcaag taaa 414

<210> 6585
<211> 404
<212> DNA
<213> Mus musculus

<400> 6585
ggatgtacca ggtgtacagc caccacagca aaatcattca ggaaagacta caagaattta 60

cccagaagat ggcaaagatc aaccatctgg aaatggagct taaacaagtc tgccaaactg 120

tggaaacggt gtacaaggac ctatgtgtcc agtctgaggt tcccacttgc gaagaacaga 180

attacaaaga tggtgaatgc tgacttctgc taagaggctt ccatctcaat gtgagaaggc 240

acagaggctg ctgtttgagg catgctgata ttgtttttta tagttctgta acccaacaca 300

aagccaccaa tgctctttgt gctaattacc gtagtgtgac aaggtttgac cctgccataa 360

gccttgcctt agcaaattct cccaacccac atctgtagtt gatt 404

<210> 6586
<211> 407
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
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<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<400> 6586
gaagacccgg aagtcatccc agagaacact gacctagtga ctttatgtgt gaggaagggg 60

ctttngnact atcgggaaga aaacatcaca atagatcgcg cctgtagaca agaaatattt 120

gcttatgaaa tggaatctcn tgcacnaggg aagaaacctg aaaacccagc agacatgatt 180

gaagaaggag agtgtatcct atctgtgaac atcttatatc ctgttatatt taataagcac 240

aaagaacaca aaccatacca gaccatgttg gtactgggca gtcagaagct cacagaactg 300

agagattcaa tttgctgtgt cagtgncctc cagatcggtg gagaattcag caacgcgcca 360

gaccaagccc ctgagcacat cagcaaagac ctctacaagt cggcttt 407

<210> 6587
<211> 225
<212> DNA
<213> Mus musculus

<400> 6587
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gaatttgttt aaaataaagg gagatcaaaa cagctgtcat agaacaaggg ggatgctaac 120

taatgcagtt acagcattga aagatggatt ctttgctcag gctagaaggg agcagttgct 180

ttctggcttg agtcggcttt ggttagcaca ggatgctatg tgatg 225

<210> 6588
<211> 385
<212> DNA
<213> Mus musculus

<400> 6588
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tgtgacaaac aagtctggct gcagtcagga tggtgggcag atggagctct gataggtcat 120

acatgaatgt gaacgcaaag acatctcttg catgcggctg ctagctgtgg gtaaggctgt 180

cctggaactc ctgcagctgg ctggagaggg agagccatgg cttccgggag gaagtggggc 240

tcctggagca agtgtcaaag ctttacagat ccactgttac cttcacgtta gcagaagcta 300

aattttgttt tttgtttttg gttttttgtt ttttttaaat agggctgatt tgatttgtgg 360

gattggtcac tgacatggtt tgcca 385

<210> 6589

<211> 530
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<400> 6589
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cttcaaaagt attcaaaatt tgacatgctg tttgtttagt cactacagtg ccctcaaagg 120

gcagacattg cagccttttt atattgcctg ccaaaatttg aagtattaga acaaagtgtg 180

ccatgagaga aaaacttaac aaggagtttt gaaaagaaat gcaaagaaca aaactacaac 240

actatttttt aaaaagttga gtatctgagt taaaatttcc aaatctttat tttacaccac 300

cttnaaaaat tatatgagaa caaggtacat gcattatgtg tcacattact gggcaaactg 360

ttcaaatatt ttttttaaac ctccctgtat agaaaatatc attaaggatg taaaanccat 420

gcttgcctat ttgctgtata catgtaatga aattgtagat aaagtgtagt gcattgaaac 480

aaatgaacaa aaaagtagat acttttacta tacaagggtg ctggtgcaga 530

<210> 6590
<211> 262
<212> DNA
<213> Mus musculus

<400> 6590
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atccgcaccg tgaatctggg ccttaaccac ctggacagcg tgcccaccac actgggggcc 120

ctgaaggagc tccatgaggt ggggctgcat gacaatctgc tgactaccat ccccgccagc 180

atcgccaagc tccccaagct gaagaagctc aacataaaga ggaacccctt cccaaatgca 240

gatgaatcgg agatgttcgt ag 262

<210> 6591
<211> 535
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
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<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
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<222> (315)..(315)
<223> n is a, c, g, or t

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<222> (319)..(320)
<223> n is a, c, g, or t

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<222> (322)..(323)
<223> n is a, c, g, or t

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<222> (326)..(326)
<223> n is a, c, g, or t

<220>
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<222> (346)..(346)
<223> n is a, c, g, or t

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<222> (365)..(365)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

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<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (486)..(486)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (508)..(508)
<223> n is a, c, g, or t

<400> 6591
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ttcagaaaca aattcaagga gcaacagcca aatacctacc ttggctttaa agaattctct 120

agaaagtgtt cagaaaaatg gagatccatc tcaaagcacg aaaaggcaaa gtatgaagcc 180

ctagcagagc tcgataaagc ccggtaccag caagaaatga tgaattacat aggcaagaga 240

agaaagagaa gaaagaggga cccaaaggca ccgcggaagc ccccatcntc cttcntgntn 300

ttntcccggg accantatnn tnntgntgaa gcaagagaac cccgantgga ccgtggtgca 360

ggtgnccaag gctgctggga aaatntgntc cacaactgac gaagcagaaa aaaagcccta 420

tgaacagaag gctgcactta tgcgggcaaa gtatttcgag gaacaggagg cctaccgcaa 480

ccaatntcaa ggcaggaagg ggaatttntt ggaatcagcc aagaccagtt tgaaa 535

<210> 6592
<211> 145
<212> DNA
<213> Mus musculus

<400> 6592
aagctagcaa gaacagatca ctggcagatt ttgaaaaggc cctgacagac tacagggcag 60

agctccggga tgacccaatc atcagcacac atttggccaa gctgtacgat aacttactgg 120

aacagaatct gatccgggtc atcga 145

<210> 6593
<211> 288
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<400> 6593
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caacctgtat actttctaat agtatcaggt tggcccattc tttattgaag cataaagaac 120

caatgggtag nctcgtgggc tcctgtgata tcactgagat gggaggaact gtatcataca 180

tagtaacgtt caagaaatgc attgcctcag ttttacctcc cagccccata gacatttcag 240

ggcttttnta gtctgctaga gttcttttct gtgtgaccat ttcctgtg 288

<210> 6594
<211> 266
<212> DNA
<213> Mus musculus

<400> 6594
gtatagtgtt caaccttaaa tgcatgactc tgtatattat gtatagaaga caatgttttt 60

taatttataa agttcagcct tcattaatcg catgggtttt tctgcagctt tttgtgaata 120

ctattgtttt gtgtaataga aacatttgta tatatttaat atcaaaatat ccatgtggat 180

agtaaaagta cttcattgga cctactgtgg atatttgtag gagtctttat ctacaaataa 240

agcaacagat agttttgtat ttagtt 266

<210> 6595
<211> 89
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<400> 6595
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ggctgggcat ctactgtggc atgaagacc 89

<210> 6596
<211> 317
<212> DNA
<213> Mus musculus

<400> 6596
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gatctccaaa gacacagagc cagtagaatt aaactgtaat ttttcttttt caaggaaaag 120

aaaaatcagt tgtaccatct gtggtcataa atttcttcga aagagccagt tactggaaca 180

catgtataca cacaaaggta aatcctacag atataaccgt tgccaaaggt ttggaaactc 240

attggcccag aggtttcagc agtattgtga cagctggccc gatgtcccct taaaaagctc 300

tcgcttgtca caagaac 317

<210> 6597
<211> 559
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<400> 6597
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gttgatttgt agatttccta cacggatgac ctgctctcct ccgactacag aaaagccttc 120

ttccactagc agctcgggac ttgctgtggt ctcacaggca ggctctgcag acctgttctc 180

agagcccagc atcacttgct cagattttac agtgtcacta gaggaacctg cccaatcatc 240

agaatggctg aacatttgtc ttgtaaggta ccgttttcct tgaggtttta gactagttgt 300

ttacattaca acccctgccc ccaccctctc agtgatactt ttactgggaa tgtcaggact 360

gaaacaagca aggaagagac agaaggagtc agacacaaat gaaggaacca gctgagagga 420

tgttcttcag aaacgcaggt ttactgtaca tggggcaaaa tccaggctgt tcaagtgtta 480

aagttgtttt tattttaaaa agccaccagt aataatctgg aatttttact tttaaagctg 540

cttagcctca attttaaca 559

<210> 6598
<211> 549
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (509)..(509)
<223> n is a, c, g, or t

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ttactgtgca gatgtgatat acccgatggc tgtggtagcc actgcagaga ggggcctgat 120

tgtctatcag ctggagaacc agccctctga gttcaggaga atcgagtctc ccctgaagca 180

ccagcatcgg tgtgtggcta tttttaaaga caaacagaac aagccgactg ggtttgctct 240

gggcagcatt gaggggagag ttgccattca ctacatcaac cctccaaatc cggccaaaga 300

taacttcacc ttcaaatgcc atcgatccaa cggtaccaac acttcggctc ctcaagacat 360

ctatgcagtg aatgggattg ccttccatcc tgtccatggt acccttgcca ctgtgggctc 420

cgatggtagg ttcagcttct gggacaaaga tgccaggacc aaactaaaga cttcggaaca 480

gttagatcag cccatcgcag cttgctgcnt tcaatcacaa tggaaacata tttgcctatg 540

cttccagct 549

<210> 6599
<211> 579
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

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<222> (458)..(458)

<223> n is a, c, g, or t

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<222> (485)..(485)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (534)..(534)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (549)..(549)
<223> n is a, c, g, or t

<400> 6599
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tgtctgagaa actgtctgag caagaattag nagtttcgtc gtcgcagtca agaacaaatg 120

gacagcttta ctctggacat aaatactgcc tatgccaggt tgagagggat tgagcaggct 180

gttcagagtc atgcagttgc tgaagaagaa gccagaaaag cccaccagct ctggctttca 240

gtggaggcat taaagtacag catgaagacc tcatctgcag aaatgcctac catcccattg 300

gggagtgcag ttgaggccat cagagtcaac tgttctgata atgaattnac ccaggcttta 360

actgcagcca ttcctccaga gtccctgacc cgggggggtat acagtgaaga gaccctaaga 420

ncccgtttnt atgctgttca aaaactagcc cgaagggnag cgatgattga cgaaaccaga 480

aatancctgt accaatactt cctttcctac ttacagtccc tactcctgtt cccncctaag 540

caactgaanc ccccggcgga gctctaccct gaagatata   579

<210> 6600
<211> 555
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (477)..(477)
<223> n is a, c, g, or t

<400> 6600
tgacctcgag tcagtagtcc agcaagtcga acagaacctt gaactgatga ccaaacgggc 60

tgtaaaagca gaaaatcatg tcttgaagct gaaacaggaa ataaatttgc ttcaggccca 120

gctctcaaac ttgaggcgag aaaatgaagc cctgcggtca ggccagggtg ccagcctttc 180

tgtagtgaag cagaacaccg acgtggcctt gcagaacctc caccttgtca tgaacagtgc 240

acacgcatcc ataaagcagc tggtgtctgg ggcagacaca ctgaaccttg ttgctgaaat 300

cctcaagtct atcgacagaa ttagtgaagt taaagatgag gtggactctt gagacgctnt 360

acctgccacc gggtcccgtc acctctgcac cgaaggcacc acacatcttc cgaatgtgtt 420

cctgtctatg cagtcctcat caaagcattt cacggcctaa tcatgtgact ggccatntgc 480

agtacggggc tcctttccac cagttgaacc taacagttta catgaagtcc cactgttcga 540

tagactcact gattt 555

<210> 6601
<211> 389
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(252)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (279)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<400> 6601
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tgtaagtgag cagcctgtac agagacgcgt gcctcactga ggcagcaccg cttggtacgt 120

gctgccgtcc tcccaccagg accataggac caaggtcaca cactgtgcac agtgcaaagc 180

ttcatacacc ctctactgtg tgctgtcagc tttggaaagc catttggggc tgtcgatttt 240

gatncacnnt nnatgtgttt gtgtnccttt tgtatagtnn caattcagac tggaattaaa 300

gcacacaccc acctgggggg tcagcaccag ctntttgggc nggctggctg gtttttgaag 360

gacaggcaag acataagcag ctccctgtg 389

<210> 6602
<211> 469
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<400> 6602
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agaaanaaaa aagtacaaaa acaaaanaag ccacatggag accttctcac cctttactaa 120

catagcagaa ggaaagaaac aaacaaaagc gggttgtcgc taaagccttc aacactacaa 180

tagactgtga gtcgaaaaag aaaagccaca gtcctgttgc ttggagaatg gatcgaacta 240

gagaacatta cagtaggcac aggaaagtgg atgcggaaaa ataaccaagg acactgtctg 300

tcattcacag ccgctagggg caacatttta aatggagggg gaactctctg ggataaaagg 360

agaaccagga ggaggcgggc gagggtaagg gtgggtgtga tcagagcaca tcatacaggt 420

acctcataca cattggagaa aaggaagctc attacctcat acaatatac 469

<210> 6603
<211> 472
<212> DNA

<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
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<222> (300)..(300)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (321)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<400> 6603
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acatatttga ttactgcagg gaaaacaaca ttgaccatat agccaaagcc atcaaatcga 120

aagctgcgga tgtgaatatg acagatgaag agggcagagc tctgctccac tgggcatgtg 180

accgaggaca taaggaactg gtgaaagtct tgctacagta tgaagctggc attaattgtc 240

aggacaacga aggtcagaca gctcttcatt atgccgctgc ctgcgagttn tnttgganan 300

tcgtggaanc tgctgctcca nntctggcgc ntgaccccac cctccgagac caagacggct 360

gcttgccaga agaggtgacg ggctgcaaag cggtctntct gctgctgcag cggcacagag 420

ctancaaggc ttgatccaaa gcctgaagaa gcacagtttg gcagactagg ac 472

<210> 6604
<211> 167
<212> DNA
<213> Mus musculus

<400> 6604
gttggagcga gatttgttta aacaagtatt tctaaaagaa atattgtaca tagtcctgga 60

aattatttgt ggtaaggaaa tattctttaa tccagttgca tttctcagac aatgaagtgg 120

tgcgtccatg ctacctcctg ctttgtcaac aaagatgcta tttaccc 167

<210> 6605
<211> 442
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<400> 6605
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tccgcttntt caacaaagag ctatttaccc tttccatttg tatcataata gattttaaaa 120

atctaatgtt ctttattgca agacatactt ttgttaacag aatttgtttc tttgtaacgt 180

tttccatacg tttgacatgc ttacaggaca gggttgtctt tatttaacat tgtagaaatg 240

taattaataa acaaggctca ctacacaatt tagaataggc tttctcattt atattccaaa 300

tttgatcatt tagcaaaact attgatacac aaaatatttc tacatatgag aatgtttaca 360

atttgaattt tagaagttgt ttttggatgt gattctatgt atgaaaattg tgtaacacta 420

tgctcatgct aagaaccgac tt 442

<210> 6606
<211> 190
<212> DNA
<213> Mus musculus

<400> 6606
aagttcggga ttggctggcc tccaccttca cacggcagat ggggatgatg cttaggagaa 60

gtgatgagaa gcccaggttc aagagcatcg tccatgcggt gcaagctggg atatttgtgg 120

aaagaatgta cagacggaca tcaaacatgg ttgggctgag ctatccaccg gctgtaatcg 180

atgcattgaa 190

<210> 6607
<211> 466
<212> DNA
<213> Mus musculus

<400> 6607
aggcaactgg gatcgctctt ttggaggagg aatgaattta tctagcaagc tggcccaact 60

cacttgccat ggcaatctct gccacagctt ccagtccttc aatacttcat atacagacac 120

aggattatgg ggactctata tggtctgtga acaagccacg gttgctgaca tgctgcacgt 180

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agacattggt aggcagatgc tatgctataa taggagaatt cctatccccg agcttgaagc 360

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ctgcaggaga tagaggagat gatcacagcc cccgagcggc agcagctgga gacactgaaa 180

cgcaacgtta acaagttgga cgccagtgag atccaggtgg atgaaaccat cttcttactg 240

gaatcataca ttgagagcac catgaagagg cagtgaccca gaagaagcaa tgctgggatc 300

aaactcaggg cctttcacat gctagtcaac tgatgttcca ctgagcacat ccccaaccag 360

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gttggtacac tgggcgccca cgagcgccac gaggagcccg aaggcggcca gcaggatgga 180

caccacgatg agggctcggg cggcctgcag gtcctgcggc agggccagca gcgagtcgta 240

cattttgcac tgcatctgac cggtgctctg caccacgcag ttcatccaca ggccctccca 300

ggtgatctgc gccgtgatga tgctgctgcc gatgaaggcc gaaacgcgcc acatgggaag 360

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ccctatgcag gcaatgaatg agattgatgc ccagctgttg ttgaacaagg aaggatcacc 180

gagtaattaa ctataagtat ttggttataa aaacagatct ttgtgtgtca cataaatgtt 240

ctcattttga tactgcacat ttcagagaaa tatatntaca tttntacntc ctatatntac 300

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tcgaggnaaa tcaagctgaa gttaatgctg gggatctcgc tgatgacact ggttctgcta 120

atccccctct tgatattctg ctttnccaca ctgtacaaac tgagacacct acgtgacaaa 180

agttatgaga gtcaatactc catcaaccca gagctggcaa ctctatctta cttccatcca 240

acagaaggct ccaatcaaac antcttaacc gacgagtcaa gcttcntccc tcctgaggag 300

acaagattcc tccttcctga ggagccgggt aaggagctca tcgttgagag aggccctatg 360

caggcaatga atgagattga tgcccagctg ttgttgaaca aggaaggatc accgagtaat 420

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aagaantgnc caagnaagca gangagnccc tgctctcgct gncaagagga nacaaagtga 180

ggtttaccat ggaagttctt tttccagaag ccatcatctn ctccatcnct gccctggatg 240

agntcannta canggaggca gaagagaagt acctgcgtng cccacccgtg cactanccnt 300

gagaaagagc tattcgacaa gaccatctta aaggcggcca ggaagaggtc agcagccagg 360

attcgggctg ccagggaccn tcctntgccc actccttaga agggatnntc ctcctttcag 420

ctgtcacccc tgannctccc aagacaggag acaggaagtg cctccaaact ggaacatctg 480

ggagaccgtg ggggcacaca atggctgctn tcaaagctcc tcactaagtg tttcttt 537

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<223> n is a, c, g, or t

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tcacaaggcc tccggagcag atcgancttc gcctcacccc cagctcttgg gcagccagac 120

ccatcatctg tagcattgtt accagggcta ttgggacagc ccaccatccg gggactgctg 180

tgtacctgtc ctgacatcca gctgcccang gnctaggagt ggatatgagg ctgagcccac 240

ctaaccgggc agagacttgc tgaactttta acttgaggat ccttctcttg agaaaacctg 300

tgggcattgg agccaacccc acctggcctt gaatcctgac tgttgtgtcc tgggcaagca 360

cttcacctct catgagccct tgttccccat ttgtagaata agacaacaca ncctacctca 420

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cccgggatag gcctgggac 499

<210> 6615
<211> 226
<212> DNA
<213> Mus musculus

<400> 6615
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gaccgtgcag cctactggtg gattcgagga agtggccagt gaggacttgg aacctagtga 120

agaactagac cagccctgtt ttgaggagtc agtagaagac gccctgagtg acgagcacag 180

tgaggttttg gatgtgatat ccagtgagga gctggacctt agtgaa 226

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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aacagctagc tgcacgagaa accgtctggc tagagagaga agaacgagcc cggcagcact 120

atgagagaca tctggaggcg aggaagaaga agctggagga ccaacggctg aaggaggagc 180

ggaggagggc tgcggtggag gagaagcgga ggcagaggct ggaggaggac aaggagcgcc 240

atgaagctnt tgtccgacgg acgatggaaa ggagccagaa gccaaggcag aagtctaacc 300

gctggtcctg gggaagccct ctccatggga gctcgagcat ccacagtgga gatccagaca 360

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<210> 6617
<211> 525
<212> DNA
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<223> n is a, c, g, or t

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cggaggacgg cgactttgat gtggtgttcc aactgcagcg caaggagctg ctgcagcaac 120

tgctggtatt gctcagctca ggggtggttt tgaaaacaca gccggacatg ggttcccacc 180

aggacaagca gccccagggc ctatccaaag aaagccaacg catcacccag acatccaagg 240

aaggggctgt ttctctgctg cagcagctct cgaccatcac aacctataag ccaggggatc 300

ttgggctggt gcctcgacgt ccggtccgca tcccactcaa accccagnat ctcaggcccc 360

tctcctatat nacccgaatg gggatctgcc agaacacgaa tgagatctac ccntctggag 420

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cggggagacc aagctgntgc agaaacagac tgatgtggcc acagt 525

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gaagtacatt gaagagcagt tgctggagcg tatcccaggc ttcaacatgg cggccttcac 180

aaccacgctg cagcaccaca aagatgaggt ggctggcgac atctttgaca tgctgctcac 240

attcacggat tttctggctt tcaaggagat gttcctggac tacagagcag annanaggaa 300

ggccgaggan tnggacttaa ngcagcggct tggttgtgac ttnntctgtn taantcatnt 360

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tgattgacat gagttcacca gaccagcagg 450

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<211> 243
<212> DNA
<213> Mus musculus

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tctgggagtt agttttggaa cgccattcgg ctcaggtatt ggcactggct tgcaatcaag 120

tggcttaggt tcttcaaacc ttggaggatt tggaactagc tctggtttcg gatgcggtac 180

cacaggggcc tccacatttg gatttggaac aacagataaa ccctcaggaa gtcttagtgc 240

agg 243

<210> 6620
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttgcaaaga gctgtggcac ttaagaagac tgtcgacagg tggcggaatt ttcatattca 120

ctgtatgtgg cagacaacat tggaccaacg gagaaaccta tttgctgccc taaggatgaa 180

ggatactaag gaacaggaat tagcactgtc taacaaacag ctactagtgg tccgtcaagc 240

tgccttacac gagctgtttg aaaaggagta tcagcagtac cagcaggann nnnnnnnnat 300

gggcaaagct ttttatgagg anagactctg acagctgcca agacactgtt nttccacntn 360

ntcacgcctg ntaagcaagc cttcatgctt taccctgagc ttcccaaaa 409

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<213> Mus musculus

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attctacaaa cagattctct aagggctatt cagttctggc tgctttatgc tccatcaaaa 120

gaaaaagatt tagctctggg gcttctgcaa actgccgtgg ctcagcttat cccccagccc 180

ctttcctcca tcccagcaga gaagctctgg aaccatctcc aagagcttca agagcctcaa 240

gagacacaag aggcagccta cagtccatcc ctgaagaaga ctaggtcacc acctctaccc 300

aaaacagaca aaccagagta cataggcaaa ncccaantcc tcctggtgca tcccancgag 360

gacccagagg agaaaacgac caaggctgaa agctgaagan cccagaccag agcacggaga 420

cttctgccta 430

<210> 6622
<211> 62
<212> DNA
<213> Mus musculus

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<210> 6623
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<212> DNA
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tttggggtca gtgcccttct aaacttcccc tcccccagta acgcagctgc gcagtgcgtg 180

ctcagtgcag tggctcggac cntnnnnann ccnnnctgct gncagcagag agataaactg 240

gtaggtggca gcagagaaag gaattcttca gactgatggc tgttgacntt aaacctacat 300

aggagaagag atagcatgtg acgtaccaag tggagcgagg ggcagcacag atgaaaactg 360

gactcaggaa ggctgcctct ttactgaatg ttgtctccat tgatgaagta accagtgatg 420

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gaggggccca ggtccaggtg gaaatacagc agcgggtccg caggtgaagg cacagccaca 120

gggggctgtg gggctgcagg tggagcgaca gaatgtgggg ccacaaccgg tggggctcca 180

ggctcgggag gcggaccgcc cccgtggcga ctcaggaatg aggtgtcccc gaaggcgtcg 240

ccaccgcgtc ccacgtgcaa tgtgtgcctg aagtctccga ggggtgctga gatngagagt 300

gntccgcgat ccagccgntt nttgggntgt gcagggccca gntgcttcat taccggnntc 360

tgtggggaca tnggcatatc agagntncnt nntccgggag ccccaantnt gtntccctnt 420

cntacatant cagccacaga atgctntcat aaaacagggc tatggaagaa ctattattcc 480

cagttaaca 489

<210> 6625
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggaagttgtt agatctgaac ggccaaggag aaaacaaaaa cacgtatcta aggaggaagt 120

gtattatctg aagaacagaa aannaaagag aaacagcctc agaaaggtgt tggacaacag 180

ttagcatagc attattcatg gaaccagagc gtcagaagan nntagaggca gagaagcaag 240

aaaagatgtt caaagaaata gaccaagctg agcagcatgg taggcangaa caggaagatc 300

aagagtttta ggccacgtgg gctacatagc aggatgctgg ggtaaaagtg gggggtgtnt 360

gatagcaccc aagtttactt taaaacattt atgtagtcnt cagaaaganc aagaaacagt 420

agatgggatt aagagatcca tatcaggttt attacagtaa agatgtntca aaacaatttt 480

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ataaaatgtt acagatgaaa tgccagcaat ataagaaaaa ccgaatggag caagagggga 120

ccattgcttc tttgcaaaag gagatccaca gacttgccaa agaggaggaa gagcgcatcc 180

tcactcagaa cagagtgttt gcccatctct gcagaagagt ccctcactca gtcttggata 240

aacaattgct gtgtctaatt gattactatg aatgtaaact tagaaaactt catatacaaa 300

ggcagtttga ggaagacant cantcagaag anaaanactt cacaaanccn nggtncctca 360

ccaaattata aaggcgttct gatggtatgg agaccaganc actgacaaat acctttttcat 420

aaancnaaat attcccctaa gagagttcct tattttactg tgaaatgcat tncantcgtt 480

acagaancaa ctcaaggaat ccaaatccag gatcgacgtg ctggtagncc cacagaacat 540

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<210> 6627
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tatagactcg attgatgacc tctctctttg cagaaacctg agtgttttat atttatatga 120

taatcgcatt agtcaagtca ctaacctgaa ttacaccaca aatctgaccc acttgtacct 180

acagaacaat tgcatttcct gcattgaaaa cctcagttca ctaaagaaat tggaaaaact 240

gtatctggga ggcaattaca ttgcggtcat agaaggcttg gaaggattag aagaactaag 300

agagcttcat gttgaaagtc agaggctccc tctaggcgaa aagcttctgt ttgatccaag 360

aactcttcgt tctctagcga aatccctntc tactttgaat atcagcnaca ataacattga 420

tgacataaaa gacttagaga tcttggagaa tnttaatcac ctgattgcag ttgacaacca 480

<210> 6628
<211> 353
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 6628
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gagctcacgc tggacaggtt acctgtgttg ctgnctctcc ccacaaagac tctgtgtttc 120

tttcatgtag tgaggacagt agaattntgc tctgggatac ccgctgtccn nangccggcn 180

ntcacagatg gncctgcaat gcctctggct acctccctac cgctttggct tggcatcctc 240

agcagagtga agtcttngtt ttnggtgacg agantggntc tgtctccctt gtggacacca 300

agaatgcnnn ctgtaccntc agctcagctg tgcactccca gggtgtcact aga 353

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<223> n is a, c, g, or t

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cacttccaga tacttacatg aattccaaac cagttattat taacatgaac ctgaacctga 120

acnattatga ctgtgctttt gataaccagt ctttgtttaa tcagttttcn aaaatagata 180

aacagaaatt tgagagactc aaagacataa tacttgatgt ataaaatgga actaattgtt 240

gagattattg tgattttcta agactgaata gtttgcattt aattttgcta gctgtttggc 300

aaaacctgtc aacttctaaa catgtttcta ggtatttata gaaatcatcg ttaggatttg 360

actatcttaa cacaaaaata aatataaaat aatcaatttt aaatagtaaa tngatataag 420

cttaccttta tgctttttga aaatttaagt tattatgaaa atagtaatat ttntcatagc 480

tcattgtgca ctgtatagtc 500

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cattttccaa gtgaagtcgg ggacattgcc agctccagaa aatatccaca atgtagtgaa 120

gactttctac acctggcgga acgtggcaga gagaactgaa aaggtgtatg agcgagtgtc 180

gaaggaaact gttttgccaa tgcacaagag attggacagg ctcatctcac actgtggccc 240

tgtgacggnc tacatgtttg ctttgctggc tntnctnngc tntntnttcn tnattttcct 300

ncantggntg nntccagnnt ctttcnttga tgttncaata gatgctactg ggccaaggag 360

agcctggact catcaatgnc ctcgtgataa gaaaagagat gagaatgata agatatccca 420

aagcaggtag aagcaagccc aagttaacaa ttcctattag atacttgcaa tattcctgtt 480

agcatttgaa aggagttttg ctcctgtgtt gggctttaga gttggatttg ctacctctgt 540

atggttcact tttgttgt 558

<210> 6631
<211> 112
<212> DNA
<213> Mus musculus

<400> 6631
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aagctggcat ccgtggaaca agactaagca gaagcaagaa gccttgcctc tg 112

<210> 6632
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctgggtgagc cttgggatct ctctagacca taagcatttg aatcaggagg ataaataaag 120

atcaacctca caatgtgggc agctgccatc taattcatag agcacacacc caaacaggtt 180

gaaaaggtgg agactggatt cttgctctct tcttactttg agacattctt cctcttcttt 240

ccttgaaagt cagaccttct gtttgaactn nanatgntcc aaagantttn nantataatt 300

aggctatcaa tcatnacaat aacancaaca aatccttgag ggggnaaaat naggtaacac 360

agttaaaaga aatatgagca actttatnca tncngttcat tcacaatgnn gatacatagt 420

aacccctaan tcaanttaaa gagaatggat tgcattattt atggtntcnt cgtgccatga 480

gttcagcaag accatgttgt tatccagctt ttca 514

<210> 6633
<211> 351
<212> DNA
<213> Mus musculus

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ttagtgatcc ccatagtcgg aaaattgaga agtctgggcc agactgcaag ctcaggtcct 120

tccacctgca atcttcagca gcaggagcca aaacagagga gccgatcaat ggcatgaact 180

ggaccaacac ccaaggcacg gaagaaagaa ctgagtacct gaagaaagta agaagcatac 240

tgaacattgt caacgaagga cagatatcgc tcttgccaca cctagctgca gacaatctgg 300

acaaaattca cgatgagaac ggaaacaatc tgttacacat tgctgcatca a 351

<210> 6634
<211> 345
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (205)..(205)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<400> 6634
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ccagatactc caccacgtct aggtgtccac ggcgcgctgc gattagcagt ggcgttccac 120

cgccggccac ctcacccagc agctcntcca gntcctcacg cccacggctg gccaacagtt 180

tntgcagcag aggcagcttg ccgtngtgcg ccgcattgta caccgctgtg tgcagatcca 240

tgctggaagc ctngctgctg gatctagccg ggccgccggt cgccagagac atccttcacc 300

ttctccaggg ctgtcatctt agcggttctc ctgcttctgt taaat 345

<210> 6635
<211> 101
<212> DNA
<213> Mus musculus

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gtgatacacg gctaagcact atggaaacag gcacaggcct c 101

<210> 6636
<211> 257
<212> DNA
<213> Mus musculus

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actcctaatt tacccagctt tcaaaaggaa gagtctggaa atccaagaat cattttcgtg 120

attcttgcaa aaaactagaa caagatagca aagacttaaa aacacaccga ggaaagttaa 180

acagtataga gatcatgaga agtaaggaag tcattaaaac tgtgtaactc tggagaccag 240

aatatctgag tcttgag 257

<210> 6637
<211> 387
<212> DNA
<213> Mus musculus

<400> 6637
tgcaaagcct ttcgaagccg tgaagggcgc ctgaaagctg cctgtaactt ggcgcgcttg 60

ggcataacca atctgtgcgt gatcggcggg gacggaagtc tcacgggagc caacctcttc 120

cgaaaggagt ggagcggact tttggaaaaa ctggctcgga atggtgatat cgataacgac 180

acagtgcaga agtattccta cctcaacgtg gtgggtatgg tggggtccat tgacaatgac 240

ttctgtggca cagacatgac cattggtaca gattcagccc tgcaccgaat tattgaagtt 300

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gggagacact gtggttactt ggccttg 387

<210> 6638
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<223> n is a, c, g, or t

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gactattcaa cagaaagatg ccnaaaaata tcnaagaact aatgaaacaa gaaatggaaa 120

ccattttatt gcgacagaag caactggaan gaaacaancc atcagctgan gagaaanggc 180

tgganatgnt ncgccgaaat ctgcgagact ttgagctgac agaagagcag tatgtgaagc 240

taaaatcttt tcctgaagat caactctcta ttcctgaa 278

<210> 6639
<211> 545
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (214)..(214)
<223> n is a, c, g, or t

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<222> (232)..(232)
<223> n is a, c, g, or t

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<222> (242)..(242)
<223> n is a, c, g, or t

<220>
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<222> (476)..(476)
<223> n is a, c, g, or t

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attttcaggg aagttcctgg ggcaccccat ctgtactgga acttcagctt cagagttagg 120

ctgggaacca gtgggtccct cctcagtgaa taggtgttgg ggtctccctg gctcagtcat 180

gggtggctct tcnagcccag agcactgant cctntctgcg ttccttttctt cngagcacca 240

gngccaatta gggcacaggt gtgtgctgct ttccacctga ctaaggacat acagccttgt 300

ggtggctttt ctcatagccc ctcctttctc ttccagtatg tattcacatg acacaagcag 360

atgcacacac taccaacaca tctgatacag gtattaaata aacatgattt cataacctcc 420

acaggcaagg acacccaatc aacctaataa ccatataaga agaaatgctt gaaagnaaga 480

gttggttctc tctatttcat ttcaaataag cacggccaca ctgttcatcg tctaaaccac 540

tcaga 545

<210> 6640
<211> 492
<212> DNA
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agcacatcac agatactctg aagagatgga gacgacacag tgcaggagga ggtgtgtgcc 180

ccactcccac cccacgagaa ggaaaagggc cccactaagt tatcaggnnn cnnnnnnnag 240

angnngnngn cnnnctccca gatcgttagc ccccccaggc ctctcaagaa gtggcagctt 300

gatgacaggg ctcatgtcct ccatgagtgg ggctctctca gtggggatgc cctgagnatn 360

ngcctnacag atntcccaca ggcagangct ggaaggctcc ctcagctnag nanatgggnt 420

ttgnttntcc catcagactg gactntccta catgntaaat actgggtttc tcggagtttg 480

acctgtatca cc 492

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tggctttctt cctcaaacct tggacaaggg tagtgtagac tcctctcaac ccagtggtta 120

taggacctgg gttccaattc aaaacagcta gagaacaaag cccacagatt ctgaagtgtt 180

gaaacgttac tgtgttttag tctgacttgg tgtt 214

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<211> 148
<212> DNA
<213> Mus musculus

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tcgcacacca ggagctgatt aaacaaaaga aagatataag catacaatta agctcagccc 120

agtctcgttg tattcttcta gagaagca 148

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aagcagactc ttggngaaaa tccaagttct tgaagccgag agagaaaaga atgtttatta 180

cctcctggag aaggacaaag aaatacagag actcaaagac cacctaaggt caagatatag 240

ctcttcttca ttgttcgagc agctggaana gaaancaaag gaatgtgaga agaancagca 300

gttgctggag tccctatcca aagagacaga tgtcctgaaa aaccagctgt ccgccacgac 360

gaaaagactt tttgaacttg aaagcaaagc cagtacactc cacctgtcac agagcatgcc 420

tgcaaactg 429

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actttgagag atacagtagc aatgataaaa caaacagaat ggaggacagc atgggtggct 180

gtggcattcg cccctgggga tcaggtaaag acactagtga tacagagcca cctgcaccca 240

tggaagagac ctcgatgatg gaggagtgcc agggcgccct ggacgaggag tctgcagcca 300

aagttcctga gttggaggna gaagaggaan accaantcca agaganngac cttagatgng 360

tggaaaaacc ttnnaagaac aaaccanann cnaanncntg agttcaatnt tcggaagcca 420

gagtccacag ttccttccaa ggcagtggtg attcacaagt ccagatacag a 471

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ccgctgccng ccaccaagtc accggctaga gtgactgact cctgtgtcgg aatagctcca 120

gccgctcagc agcgccgtgg gaggaccatg gcaataggga aaatgactgc ttctggggaa 180

ggtgatgtga gccgtgctnn ggctgtgtgc tnaaataagc tccatttaga gcagcttttc 240

cacccaacct tctaaagtcc aaggcagaaa aataaagtct ccattcatcc gttgctggta 300

ggacnacaaa cttgtacagt cactatggaa atcagctt 338

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tgaatggcgc tctctgttgc cctttgtcct tgcaggaaaa gagttcctgg tctgagaaag 120

aaagtacact aaagcgagca gagaagagag acaaagagct cctaaaggct gagttcctcc 180

tggtctacca tgactgcgtg ctccctcttc tgcactcgac actgctgccc ccctttaggt 240

gggccgagga agagacagag gctgcaagat ggaaagccat tgctgacttc cnnnnnnnga 300

nccnngnnnn nnnngnnnnc cntgaagnct cngcngtcac cagatggant tnacnaacca 360

ttngaccttt cggagcagac cttngacttc ttgggtgann tangaaagaa ntcaggntaa 420

tggcgaccat gntccgattc ccactggacc cagggagntt ncaggnagac ttgcctcaaa 480

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tacagttcat ttactgcagc ctggcagggc acagccgcac gctggtcatg tttctaagac 180

tgggaacatt cctcaggttc caagcgagag cctccctcag gtaatggtct cacttacatg 240

caaggacttg cttgacctta ggatcatttc cacacctcaa atccaaatga agctattccc 300

caccccttc atgntgaaga agtaaagacc atgggacatt acagggccac atctagaaaa 360

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ttttaacttg attctatata ccttgtctta tcctgtct 458

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ncagttactc ttcagggatg tnctggatgt gataggccag gttctgnctg aagcgacgac 120

gacagcgttt gaatatgaag atgaagatgg tgataggatt acagtaagaa gcgatgaaga 180

gatgaaggca atgctgtcct actattattc cacantaatg gaacagcaan taaatgncca 240

gntaatagag ccgctgcaga tatttccaag ag   272

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atgaagcaca ccgctccaag attgacaggc catcaagacc accaccacct accatgatgg 120

nccttgagga cacagatccc acccatttta caaaccagca cagtacaaca tggcntcttc 180

caaantcaga ntcctcacag aaaggcttcc ataacaagca gtaaaataat acaaacnaaa 240

agggatcggc ctcgaaaatg gacttcgtat agcacatatt acttcttata gcacatatta 300

ctgaaagata caacatgcat tccacgttgg ctgttgtcct tctgtgtgcc attctgggag 360

ttgc 364

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<212> DNA
<213> Mus musculus

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tggagcagta tgacaagcta caagatggca gtgtcaaaat gaaacctctc atgggggtga 120

tatacgtgcc tttaacagat aaa 143

<210> 6651
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<212> DNA
<213> Mus musculus

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cagaaactca tggcattaaa gagtgacaag tgttgcatgg tcagtttgac tcgcagcttt 120

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atcagatttt tctgcataat tatgtcatgt tatagctgct ata 223

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agccatgggg ccaacattgc tgctgtcaac agtgacgggg acctgccttt ggacctggct 180

gagtcagatg ccatggaggg gctgctgaag gcagagatca ctcgccgagg tgtggatgtc 240

gaggcagcca agcgggctga agaagaattg ctgcttcatg acacaaggtg ctggctgaat 300

gggggtgcta tnccagaggc caggcacccc cggactgngn cctctgccct gcatgnngct 360

gctnccaagg gctacatcga ggtgatgagg tgagctaggc cagagtgatt gttttgtntn 420

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tgcagcacac caccagaagg ttttt 505

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acataaactt cctaatgatc agcgctagat gattgaatat aaaatgcttt attaatcaaa 180

caagtgcact tgaacatttt aaatctttat ggtgagtaaa ttaaaagaag tttattaata 240

atgtttttaa aaattatgcc tgcagaatat ttactttatt atttgattaa atgtattatt 300

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ggtt 364

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggaaggggac cagggcccca acatcatccc tgctgacatt atcttcattg tgaaggagaa 120

gctgcaccct cgcttccgca gggagcatga caacctcttc ttcgtgtacc ccattccttt 180

gggcaaggcc cttacctgct gcactgtgga ggtgaagact cttgatgacc ggctgctcaa 240

catccctatc aacgacattg tccaccctaa gtacttcaag attntgccag gtgaggggat 300

gccactgcct gagaacccca gcaagaaggg agacntnttn ntnttctttg acatccagtt 360

ccccacccgc ctcacacccc agaagaagca gatgctgcgc caggcattgc tgacctaatt 420

ntgggggacc tgagcaggaa cagggatgga gagggctagc tgggccttgc ctgntcctat 480

ccactcaact cccacagcct atgaagatgg ggaggcgtga gaccttaggc tgacata 537

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<212> DNA
<213> Mus musculus

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tcaaaagaga atatgtttct tgtctcaaga ggaaaatgaa ctgggaaagt ttcttcgatc 120

tcaaggcttc caagacaaaa cccgagcagg aaaaatgatg caagccacgg gcaaggccct 180

ctgcttttcc tcccagcaaa ggttggcctt gagaaaccct ttgtgtcgat ttcaccaaga 240

agtagaaact tttagacatc gggccatctc tgatacctgg ctgacagtga accgcatgga 300

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<212> DNA
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ggttcagcag agtacatata tatcaccata caggcaacaa cacattcana gttgtgggca 120

gaaagattca agaccatcag gttgtgataa actgtgccat tcctaaaggg ctgaagtaca 180

atcaagctac acagactttc caccaatgga gggatgctag acaggtgtat ggtctcaact 240

ttggcagcaa agaggatgcc aatgtcttcg caagtgccat gatgcatgcc ttagaagtgt 300

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aggctaggct gccagggctg ggtggccacc ccacgccgca ctcgttgctg gggtctgtgc 180

ttcgaggaca ccggttccgg aggggacacg acttgccaaa gtgcaaacga gggtcccgtg 240

gtgcgtcacc gtgcaaaacn tctccacgga ttcctcggat gctgatttcg gtgatttggg 300

gttttgtttt gttttgtttt tgagaagagg agagctgggc caagaggntc cctttgcccc 360

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ctcacaagga tcttgaaatg aaagtccagg aaatagagnn nnnnnnnnnn nnnnnnnncn 180

nnnncgngca ncntgtngna cnggancagc agaanncanc tcggnccnga caggagtncc 240

tgcgantcac agngctnctg ggcgagnccg ancnccanct gcacctcacc agactggnan 300

nagatancat tcancaaagc tttagcaatg aancaaaggc ccaanccctt cagncccagc 360

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ccctggaaac cgtgatgaga gaacgggaac tttcaacgat taatgctgag aggcgtgctg 180

gcggcgtgcg ccgatcccgg gagcagcgga cacgtagtct ctagtcaggc agcacgtcgg 240

gcgcctcagc agaagagcgg gcttcattgc tgcagcggcc agcccccgcc cccaccccac 300

gtggttggag gtttccagaa gcgtagccac caccgtgcac gcagctccgg gcccgtgggg 360

tgttggttct tgccctcgta acccccctctg tccagccacc atgataagcg ccagcagagc 420

cgcggccgcg cgtctcgtgg gcaccgctgc gtcccagagc cccgcagccg cccgtcccca 480

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agggtctcga tttatacatt tatgtagctc aggctggctt nttagtcctg cttcctcctt 180

ctgtttgctg gttgacaggn gtgtgacacg nccanctgcc ctttgttntt agtgcacccc 240

agaccgaaag tcccatccga cttgtttttn ttccncttta ggattagatt ttcagcacgt 300

nttnacatcc actntcccnc ctcagccaga ccctccttcc ncctcacagt gggtccagtg 360

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atgtgggtga tgtgttaagt gaaaaatcat caacttttct aatgaaggca gcaacaaaag 180

tagtggaaaa tgagaaagcg aggacacaag cgtctaagga taggccanat nccaccaaca 240

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aacatgaacg ctttgcatta cgcttcgtac tttgatgtcc cagagcttat cagggtgatt 180

ttgaagacat cgaaaccaaa agatgtggat gccacttgca gcgactttaa ttttgggaca 240

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tccgccattt gctgagtgcc gctgaccaat caaaagcgat atctcatctt gggcccgccn 180

acacagaggc ctcattggct atagttcaca gactaagttc gtcgctggag ctgtcagcca 240

atgatcaaaa cacggagcgt ggaggaagtg ggtactttga gggaattgct gcaagaagcc 300

gtgtgatcga ttaanaggaa aggaaggtcg agggtccaaa cgngctccaa agagacgccc 360

aggctctagg tcggagctgt agagaatggc tcagtcgtta cgagcactgg ctgctcctcc 420

aaaagacccg nnnnnnnnnn ncnnnnncna nnnnnngntn nncnnnnann nannngnnnn 480

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gaacagtgtt ggctcacgtt ttcagctaac ttcttggaag atacgaggtt aaattaccca 180

aantctttca ctcagagaaa aacagggctt acagctacag ttcctgcttc atgaaaacga 240

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tggagtccac tcagtgcttg ccattcatta aactgaagag aggacagctt cctcggtcaa 180

ataaaatcgt ggttctctgg tcactttagt gattctaaat aacacgaata ttctggtgat 240

tccttcattt caagtcagtg acctagcatg gtgtgagaaa agtaaataga gaactgagga 300

tgttngtcat gaaaacagaa tgctctggag gcacatgatc tccaaagaat taggacctgt 360

gccactgggt tccatgagna aaanacaaga ggtggggttc caggaagant cntcanntnt 420

cagagggata gcccngtggt taagagagnt actgcnagag gacccacact ggacagntna 480

taactgcatg aaacccacga agccccatg 509

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taaaacacga atttgtttca actgaantaa tacctatgca tccatttcac cttaaaccat 180

ttatctactt gcccttattn tcctacttgc taaaatgctg tagaagagtc tgtcattgcc 240

tattaagagn gaaacaatac tatccttntg tttntcctac cataaatgac agtntcctag 300

aaaaggagat tcacatcgga agtaaggatt cataaagaca anccaaggaa attaaaaata 360

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tgtgccattt tcctgctgca ctaaagaccc cgcggaagat gtcatcaaca ctcagtgtgg 180

ctatgatgcc aggcagaaac cagaagttga ccaacagatt gtaatctaca caaaaggctg 240

tgtgccccag tttgagaagt ggctacagga caatttaacc atcgtggctg gtattttcat 300

aggcattgca ttgctacaga tttttgggat atgcctggca cagaatttgg tgagtgacat 360

tgaagctgtc agggctagct ggtagacccc tgcgaccact gctgtcagac actggactga 420

tccccccctca ctgactgacc ctctgtgcgc cggccggctg atggcgggct gtagaggnct 480

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caggactttg agtctttctg gctaattctg caaggatatg gccatagcaa gaacaaggtt 180

gactatggag aattcaaacg tgccattttt ggtgaaatga atgaatatag gaagtcattt 240

gttcgcaagg ccttcatgca actggatttt aacaaaaccg gcattgtgtc tgtaatagac 300

ataagaaagt gttactgcgc caagaagcat ccacgtgtga tctcagggca ttcaacagag 360

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<223> n is a, c, g, or t

<400> 6669
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gattaagtcc tgtaaatttg caaaataaaa ttatgttccg ttgctcattg tcaaaggtta 120

ggtaaatgaa caaatgtacc taactaatag gctcagccac tcccaacctg gtgattaact 180

ttgccggttt ccttataaaa ataaatagac tctcatcagg gaaaatgaac agcttccata 240

aatagacctc ctcaccacca ttttaatatc caacatttat taaacatgta aattttaatg 300

agattcatag tggaatatta accaatccct tagaacaaag aggtgacatg gcctttctca 360

gaaaagtgca cattaaaatg gcagcgttta tttttnccca tgtttcatga gccaatgttc 420

tattaatctn aaataacaga atttatctga cgactctcat tttagacatt ttgggtgtnt 480

ctggtgttgc agatgttccc tgatgagttt ctctntcttc ttcntcttgg ctgtttaatc 540

gcgggaggcc ccatgtgaa 559

<210> 6670
<211> 265
<212> DNA
<213> Mus musculus

<220>
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<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<400> 6670
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cttcaaggac gntaagatcc cggtggcggn ccccttcctg gtgaagacgg gctacgcgtt 120

cntggactgc ccggacgagg gnctgggccc tcaaggccat cgaggcgctt tcagntaaaa 180

tggaactaca tgggaaaccg atggaagttg agcactcggt ccctaaacgg cagaggattc 240

gtaaacttca gatacgaaat atccc 265

<210> 6671
<211> 450
<212> DNA
<213> Mus musculus

<220>
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<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
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<222> (210)..(210)
<223> n is a, c, g, or t

<220>
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<222> (221)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<400> 6671
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cggatcgatg acgtggctat cgtgggccac tcggacaatc gctgtgtgtg ggcatcacgg 120

cctgggggtc tgctggctgc catctccccg caggaggtgg gtgtgctcac cgggccagac 180

cggcacacnt ttctncagac ggntntgagn gtggcaggcc ncngntgctg cgttatccgt 240

gantacntnc nggcngaggg tnacggngta ntggatgcgc gcaccaaggg gctagacggg 300

cntgcaatnt gtgtgggcca cacgccacgg gcgntnntgg tgctcatggg cagacgaggc 360

gtgcatggag gcatcctcaa taagacagtg cacgatntga ttggtgggct gcgtgagcag 420

tgntnttagt aggacagcta gaccgcccgt 450

<210> 6672
<211> 168
<212> DNA
<213> Mus musculus

<400> 6672

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agcaggccct gcaggacata gcctcccggt gtacagccaa tgaccttaag tgcattattc 120

ggctgatcaa acatgatctg aagatgaact cgggtgcaaa acacgtgt 168

<210> 6673
<211> 291
<212> DNA
<213> Mus musculus

<400> 6673
gaagctacgt gcagaaggac ctcaagaatg gttttccaag agtgcaagga cttgaatgct 60

gttgctttca gatttaaaga taaagagaga ccacgaggct atacgtccaa gattgcagga 120

aagttgcact attatcccct aaatggagtg ctcacagctg aatatctatt ggaggaattt 180

agacccgact tgatagacat ggttcttgat aaactcagac cagaaaatgt gcgggtggca 240

atagtttcca aatcatttga agggaaaact gaccgcacag agcagtggta t 291

<210> 6674
<211> 457
<212> DNA
<213> Mus musculus

<400> 6674
ggcaccaaaa tcacttttcc gagggaaggc gatgaaacac caaatagtat cccagcagac 60

attgtttttg ttattaaaga caaagaacat cccaagttta aaagagacgg atcaaatata 120

gtttatactg ctaaaattag tttacgggag gcattgtgtg gctgctcact taatgtgcca 180

acaatggacg gaagaaacct acctatgtca gtcactgata ttgtgaaacc tgggatgagg 240

agaagagtta ttggatatgg gctgccattt ccaaaaaacc ctgaccagcg tggcgaccta 300

ctgatagaat ttgatgtgtc cttcccagac gtcatatctg cagcatccaa agagagcctg 360

aggaagcatc tccctgcctc ttaggatgag aagaaccttg ctatccatag tttgataaga 420

cactgaaaat ataaaagtac cggcagttga ctgctgt 457

<210> 6675
<211> 530
<212> DNA
<213> Mus musculus

<400> 6675
gaacgtcagc ttatcgatca cagatggact gttcacaaag attcgattgg aagagcaacg 60

ttcaaggttt gctttactct gtgttctctt gaagaacaag taaactgcac agagcatggc 120

taccaaactg ggacgcagac atggacacag gcccccactg agtcccttgt gtctggacag 180

gcacacctga aatctgacat gaagtgaggg ttctcagtag gtgaggcaaa gagctataca 240

tgttgacaca ccttataacc acaagcttaa ttctcaagat aagttgatat acagaacagt 300

aacttgctac tctgtgaacc ccatcaccca ggtgtaatag cgtctagact ttgaaaatga 360

tgccttacca gagtttgcga tgggtgtgtt ctttttgtat ccactcatgt gtacacaggg 420

gcttttcttg gacagcctgt tcagagccta ccatatcata cagtgcttct tttacattca 480

tttgtgaaca cttctatcat gtcatgaaat tatccacttc ctcaagacaa 530

<210> 6676
<211> 312
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<400> 6676
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gaggaggatg aagatgatgg atggaatata acctacttgc catctgccgt ggatcagact 120

cattcctcta gagacacaca ggactcaccg cncctgtgac acctaccttt ccttttctc 180

caactcgtca gagctggcat gtcccgagtc tttgccccca tggacgctga gtgacnccga 240

ctccaggatc tccccagcgt ctccagctgg gagtcctaat gcagactttg cagctcatga 300

agaatcccta gg 312

<210> 6677
<211> 77
<212> DNA
<213> Mus musculus

<400> 6677
agccaccaaa gatctcaaat aaagtcgatg tttggtcagt gggtgtgatc ttctaccagt 60

gtctttatgg gaggaag 77

<210> 6678

<211> 423
<212> DNA
<213> Mus musculus

<400> 6678
gggattcttc tttgcagtta atcattggaa tcctgaaagt agtggtttaa agaaaataca 60

gacttctcag taaatgcttt gtgtatacct acaaattcca ggctgaagag cacctactga 120

attctccgag ccatcagaga catgcatgtt gcaatctcaa atataagaca tgttttaatt 180

ctgatgtgaa ttcatgtaaa atagggtgtt gtatttttt aagattttgc tttgtagctg 240

tggttggcct gtactatata cgtagcagag gctgacctca gactcaaggc aatccctgtg 300

cctcaacctc ttgaatgctg gtatgacatc acgtctgtct tgaaatcctt tagtggcatg 360

aacaatctgc caaaaaaaat ttcccaagct ttccaatagg atctgaaact taacccctag 420

att 423

<210> 6679
<211> 157
<212> DNA
<213> Mus musculus

<400> 6679
agaagagacc tctgtggatg ccggatgcct ccttgccaca gccgtcatca ctctgttcag 60

tgaacctaac actgaggaag gtggaaagac tccattgacg gtggcccaga aaaaagccca 120

gaacataatg cagtcctttg aaaacccatt tcggatg 157

<210> 6680
<211> 468
<212> DNA
<213> Mus musculus

<400> 6680
gaagagacct ctgtggatgc cggatgcctc cttgccacag ccgtcatcac tctgttcagt 60

gaacctaaca ctgaggaagg tggaaagact ccattgacgg tggcccagaa aaaagcccag 120

aacataatgc agtcctttga aaacccattt cggatgttcc tgccttctct ggaacacaag 180

gcccacatct ctcaagcagc aaagtttgat ccttcttcga aaatctatga aagccctggt 240

ttggtcccca gcacaacgta aagctggcgt ggagatgcac acctgtgagc tcagcacttg 300

ggaggagaca gcagaggacc cgaagctcaa aggcgtcttc agccacacag tgtattctag 360

ataacggggg gtctaagagg ccctgccttt taaaaaaaaa aaagaaaaga aaaagaaaga 420

gaaagaaaaa gcagcaagca gcctgctctg ctctgcttca cacgagta 468

<210> 6681
<211> 539
<212> DNA
<213> Mus musculus

<400> 6681
gagtcatttg ccagagacct gccagacttc ccttccatta acgtggatcc tgctggcctg 60

gacgacgagg acgacaccag cattgggatg cccagcttga tgtaccgctc cccaccaggg 120

gctggggata cccaggtcct gcctgctagt cggaatgagg ctgcactgcc agagctcctg 180

cttagttccc ttcctggagg atctaacctt accagcaacc ttgccagcct ggtctcccag 240

ggtatgatcc aactggcctt gtcagaggcc tcccagacag acccttctgg cccacctccc 300

cgaagagcaa caagaggctt cctccgggcc cctagttcag acctggacac tgatgctgaa 360

ggagatgatt ttgaacttct ggaccaatca gagctgaatc agctagaccc tgccagttct 420

aggagccact gagagactcc tttgaggggg gtcactgtgc tgtaggttat tttcctccac 480

cccacttact gtgatggggc aagggaagaa cccagtcttg tcccctgaat tttatctgt 539

<210> 6682
<211> 537
<212> DNA
<213> Mus musculus

<400> 6682
acttgccgaa attgtttgcg catttcaaga aaaacaactt aactgcagat atctacctaa 60

tcgattgagg cccaaggggc tggagagatg gctcggtggt taagagcatg ttctactctt 120

ccagaggacc cacgtttggt tcccagcacc cacatcaggt ggttcacaat cacttataac 180

tccagctcca tggggacctg atgcctctgg cttccacagg attttcacct tgtacagtaa 240

gtccctgccc ttggacttgg cctgccgcat ctgggacgta ttctgtcgag atggagagga 300

atttctcttc cgcacagctc tgggcatcct gaagcttttt gaagatatcc tgaccaggat 360

ggacttcatc cacagtgccc agtttctgac caggctgcct gaggacctgc ccgcagatga 420

agtgtttgca gctatctcca cagtccagat gcaaagccgg aacaagaaat gggcacaggt 480

gctgtctgca ctgcagaaag acagccggga gatggagaaa ggaagcccat ccctcag 537

<210> 6683
<211> 124
<212> DNA
<213> Mus musculus

<400> 6683

ggaagattca gagtggacag tgtttgagaa gatttgaaag ggcacatagt aaaggtgtca 60

cctgtctaag cttttccaag gacagcagtc agatcctcag tgcttctttt gaccagacaa 120

tacg 124

<210> 6684
<211> 267
<212> DNA
<213> Mus musculus

<400> 6684
aatgcagatg ataaggctaa cagtataaga tgtgcacctc agatggcaag ctctgatctg 60

agcaatatgt agacagaaca gataattcct tacccttttc aaaacctacg tagtacttgt 120

gattttcact tttgtctttt tcatgtattt taatgtggaa ttggggatta gaagccatgt 180

tagttgaagg ctcttgttta caacttcctt ttgtggtctt cattagcatg aagtcataat 240

aaattcctga caatacgaag gttcttg 267

<210> 6685
<211> 96
<212> DNA
<213> Mus musculus

<400> 6685
gaaggtccta gagtcagtgt ttcgtatccc acctgaactt gatatgtctt tattacttga 60

gttcattggt gctaatgaag acaccggaca ttttaa 96

<210> 6686
<211> 123
<212> DNA
<213> Mus musculus

<400> 6686
ggacgtggta gcaacgagcc ccacataaag cgtccaatga atgccttcat ggtgtgggcg 60

aaagatgaac ggaggaaaat ccttcaggcc tttcccgaca tgcacaattc caacatcagc 120

aag 123

<210> 6687
<211> 273
<212> DNA
<213> Mus musculus

<400> 6687
ccccagtcag catgtgcact gaattaagat ggtccatcga aaaggatttt agcagtcttt 60

gcgacaaaca gccaattgga agacttcttt ttagacaatt ctgtgataca aaaccagatc 120

taaaaaggtg cattgaattc ttggatgcag tggcagagta cgaagttacc attgaagagg 180

aacaaagaga atttggacta gccatcttca gtagattctt caaagagaag tcagaagtcc 240

ccttaccaga gatacctcca gatattgtga aag 273

<210> 6688
<211> 503
<212> DNA
<213> Mus musculus

<400> 6688
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aaggctgtta tcagaaggtg cagatgtcaa tgcaagacac aaacttggct ggacagcact 120

gatggtggca tccatcagcc acaatgagag tgtggtgcag gtcctgcttg ctgctggagc 180

tgacccaaac cttggggatg agttcagcag tgtctacaag actgccaatg aacagggagt 240

ccattctctg gaagattagg tcagagacca tactgattca cttcatgtcc ccaaaatgac 300

tcctacatgt cagccaacgc tcatgaaaca aaccagactg ttttacctcc tctttccctg 360

cccagatggc caagcacaca gttcctagtc actcgagagg atgacttcaa caaccggcta 420

aatcaccgtg ctagcttcaa aggctgcaca gccctgcact atgctgtcct ggccgatgac 480

tacagcatcg tcaaggagct gct 503

<210> 6689
<211> 536
<212> DNA
<213> Mus musculus

<400> 6689
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tgataaaact ctcatatcct gctactatca acatgtatgt gggaactata gccatagcta 120

tggaaccaat ggcatttaat gaatcctgct tcataccaac atggacctgg aataactaca 180

aaaaccttag tgatcctgac atcttgacat ggataaatga gtattctctt tccccaagtg 240

actgtttgga cactcttcat caacagaaac aagaaacaag aataaacatt atgtgcatag 300

gacattcact taatgctatg tctgcaacta aggaagtatc agctgctcca gccatctgca 360

gtgggagggt gcatggaata ttgtcctggg ggaaagcaag tgtagccaat ggaagcaaag 420

gcttcttcac tgaaattcat ccctatgcaa gatggatctt aaaaatgata cgatcacact 480

gagaagtgac accactcagt ataaaatcat gccgtctgta caatggatca acaatt 536

<210> 6690
<211> 517
<212> DNA
<213> Mus musculus

<400> 6690
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ccgacattcc aaggagctat ggttgtcaca tggtaccagc agctggaaga cgggactaac 120

gtatcatttc actgtgttcc ctcaccttag ggctacatcc tggacatgga ggtaaaggca 180

ttatcagacc ctgggagaaa tagtgagtgg tggtgattta gggacaaaac aaacctcaca 240

ttggttcaag agccccctgc tgtaacaaat ccgggatggg gagtcagata gagtacagga 300

aataggagaa aaggcggggg cagagcgagg ccgtgggggg ccggcctgag gcagcctgca 360

acagagaaga gacaggaaat cagggttgtg gaaacaaccc ccttttctg gtctgttagc 420

caggggctgg gaaatgaaaa gggcagtgtg aagctgggta gggagaggca ggttcatcat 480

tgccagtcac tagagtcagc tagccagtgt ctcgaga 517

<210> 6691
<211> 283
<212> DNA
<213> Mus musculus

<400> 6691
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agaagagacg aatgctgtac ttcaaaatgc tattcgtaag atgcacagac tcgacaagct 120

attggccaaa aaacaatgta gagaaaagga agttaaaaag caaggtctag aaatgagagt 180

taagctgtgg gaagagctca agtctgcaaa aaacactgaa gacttagaaa atgacgagga 240

gttgggaaac acaaaaaagt ttttgtgctt gacttcagaa tct 283

<210> 6692
<211> 492
<212> DNA
<213> Mus musculus

<400> 6692
agcaacatcc tttgtacaat gcagagagat gcaaagtgtt ccagtgtgac ctcactagag 60

acgacctgct tgaccacgtc ccaccagagt ctgtggatgc cgttacattg atctttgtgc 120

tctcagctgt gcaccctgag aagatgcgcc ttgtcttact aaacgtgtac aaggtattaa 180

aaccaggcag aagtgtctta ttccgtgact acgggctgaa tgatcacgcc atgcttagat 240

ttaaagctgg aagcaaactt ggagaaaatt tttatgtcag gcaagatgga accagatcgt 300

attttttac tgatgaattc ctggcgcagc tctttgtgga tgcaggttat gaagaagtgg 360

tgaacgagta tgtgtttcga gagacagtga ataaaaaaga gggcctgtgt gtgcctcgag 420

ttttccttca gagcaagttc cggaagcctc cgaaggaccc agcccctacc agtgactctg 480

cttcactttg aa 492

<210> 6693
<211> 520
<212> DNA
<213> Mus musculus

<400> 6693
gggcactgac tgtgactctg aacttggtaa agcagcactt tcagaactac cgcttggttc 60

ttccttgtct tcagctcttg cgagtctatt ctaccaactc tgtgaactca gtatctttag 120

gtaaaaatgg agttgtggag ttgatgttta aaatcattgg gccattcagt aagaagaatt 180

cgggtctcat gaaggttgct ttagacactc ttgctgcatt gctaaaatca aagacaaacg 240

ccaggagagc ggtggacaga gggtacgttc aagtgcttct aaccatctat gtagattggc 300

accggcatga taatcggcat agaaacatgc tcattcggaa ggggattcta cagagcttaa 360

aaagtgtcac gaacatcaag ttgggcagaa aagcatttat tgatgcgaat gggatgaaaa 420

ttctgtataa cacttctcaa gagtgcttgg cggtcaggac tcttgatcct cttgtcaaca 480

catccagtct gataatgaga aaatgcttcc ccaaaaaccg 520

<210> 6694
<211> 121
<212> DNA
<213> Mus musculus

<400> 6694
cttcgaagcc gctccactcg catgtccact gtctcagaag ttcgaatccc tgctcaggag 60

aatgaaatgg aggtggagct gcctgtgcct acaaactctc gcaagcagtt tgccattccc 120

a 121

<210> 6695
<211> 381
<212> DNA
<213> Mus musculus

<400> 6695
gagtttagag ccatttaccg gtgtattgta catagagaag aaatcacgga gattttcaac 60

acgtatactg aaaataggaa aattctttct gagaacagtc tgattgagtt tctaacccaa 120

gagcagtatg aaatggagat cgatcactct gattcagtag agatcatcaa taagtatgag 180

cccattgaag aagtaaaggg tgagcgacag atgtcaattg aaggtttcgc aagatacatg 240

ttttcatcag aatgtctact gtttaaagag aactgtaaaa ccgtgtacca agatatgaat 300

catccattaa gtgattattt tatttcatca tctcacaaca catatttgat atccgatcaa 360

atattgggac cgagtgacat t 381

<210> 6696
<211> 481
<212> DNA
<213> Mus musculus

<400> 6696
catttctctt gggacaggct tcaggaactc agagtctacg ctccatgcgc cgctccacag 60

ctcttagcag tagctcggag tattgctcca acagggcctg cgtctgctca gcccccacag 120

ccccagggct gccacctggg ctggacagca ccgccccagc cagaacctcg agctcctgtc 180

gcaccgaaga gaaggtgtct ctcaggagac gggtgatgtg actttgctct gccgaaggtg 240

tcttatagct ggtcacctgc aacaggaaca ctgaaagtga gctggagagc agtagacagt 300

ggaatataga aaaggggctc tgccagtgcc ttgcccaccc agtagaaggg actgcctagg 360

agttctacac acaagatcag gatggccaga gtcactctga tgggtggccc agatgaggat 420

ccctccagac tattagaacc atctacttct tgacaacttt tcccaacaac tctttcagat 480

g 481

<210> 6697
<211> 553
<212> DNA
<213> Mus musculus

<400> 6697
gtgcattgaa atcgtctcac tggccttctg ccctgaggct gacgtcatgt ctgatgagac 60

tatccagcag gtatatgtgg agtacaaatt ctgtgatctg tctctatcgg agacagagac 120

ttcgatgtcc ctgaggaaac taatggcagg cgaagaaatc cacttctact ttagtaatgt 180

gatagatctg gaccctgtgg agcaccaaag ccgaaggcag tttttgtttg ccatgctaca 240

tgctcaagat tctgatgagg gacgtgtcaa gtttacagtg gtaagtgatc ctctggatga 300

agaaaaaaaa gaatgtcaag atataggcta tgcatacctt gaactgtggc agatatttca 360

atctggaaaa gatatcctag agcaagaact agagattgtg agccctagaa accaggccat 420

ccaaattgga aggctgaagg tttccctcca agcagctgct gccctccatg gcatttataa 480

ggagatgact gaagatctgt tttcatgaaa gtacaagttc tactccactc aacgatttga 540

gggcatcaca gtc 553

<210> 6698
<211> 114
<212> DNA
<213> Mus musculus

<400> 6698
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acttgagcaa gctggagaaa tcaccactag accatgctgt ggggccttcc tgtg 114

<210> 6699
<211> 429
<212> DNA
<213> Mus musculus

<400> 6699
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agaactcaac agagctccca ggaagtacca atacccagaa gttgaagcct ggggtagaat 120

aggggtggca gtgttgcacc ttcccttcat gctggctgtt tcttgatact ctgctgcctg 180

gtccagttta acacccaatg acatcaggac ccaatgcagc tcctacctac cccaagactg 240

gacaggctta tctacacagc agaccaatgt gatgactcct ggctatggct gcagctctgc 300

aggacttgag gagcaagaag tcatggagtc agtgggctct tgttgcagtt ttgtactcca 360

cttggttttt caattgagct tatggctttt ttaaaacatg acttgaagct ctagttttct 420

agatctttt 429

<210> 6700
<211> 240
<212> DNA
<213> Mus musculus

<400> 6700
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aagctgatgt ccaaaaggaa atttcccca aagacacagc cagtcttggt gcaattagcg 120

acagcgcaag cactcgtgct atggccggtt ccataatcag ttcctacaac ccacaggaca 180

gagagtgcaa caatatggaa atccaagtgg acattgaagc caaaccaagt cactatcagt 240

<210> 6701
<211> 458
<212> DNA
<213> Mus musculus

<400> 6701
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aagctacagg cagcggccct cgttcactac tttcttggac agacagaagt ctcatcagag 120

atctgtagta ctaaaagagg tgaagcctgt gtcgggtccc aacctgaagg gggaggaaga 180

gccacttatg gccagtaagg ctgaagctgt ggaaaaccca acttctgacc agcccacaag 240

gcaaagatga ggctgcgcct caatctcaag gagcaacaga tgatcaccca gatcttctcc 300

ttcaaccttc ctccccttca tcttgttaac ctggacccca actgcagcag tcattccttg 360

gtgaatcctc cagtcaagcc tgccagagaa acacacaggt cacgtaagca gtggcctccc 420

tccctcagcc gaagcacctg cacggaaaca gagccata 458

<210> 6702
<211> 251
<212> DNA
<213> Mus musculus

<400> 6702
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caagcagata aaggaattcc atcggaagca cccaaatgag atctgtgtgc caatgtcagt 120

ggaatttgag gagctgctga aggctcgaga gaatccaagt gaagaggcac aaaacttggt 180

ggagttcaca gatgaagagg gatatggtcg ctaccttgat ctccatgact gctacctcaa 240

atacattaac c 251

<210> 6703
<211> 514
<212> DNA
<213> Mus musculus

<400> 6703
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gcacgtccag ctcgtaggtg tcctggcgct cgtagtccac ctgcccagcc aaggtgaggc 120

ggccagagcg cgggtcgagc cggaagaggt ggcgggcttc gggaggggtg cgggcgccga 180

aggtgaacac aacgtcgccg ttgggacctt cgtcgggatc ggcagcgtcc aggtcgagca 240

gcagcgatcc cacagggcct ctctggaagc aacactcgcc ctgttccaga agaacaaaat 300

cacagcgtga cgttgaaacc tggcaggaac ctggggtaac ttagccatct gcctatgaaa 360

ccgtagaact tcagcattac cactttccct ggctggggtc ctcgagatgc ctccgtaggt 420

atccaggtat ctccactccc ggagctgaag gacaggttgt gccaacctgg aacaagactg 480

attcttattg attcttaccg aaggactcta ttga 514

<210> 6704
<211> 475
<212> DNA
<213> Mus musculus

<400> 6704
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agtgagatcc tgcaaagtag ctgatagaac gggaagcatc actatttctg tgtgggatga 120

gatcggaggg ctcatacaga caggggatat tattcggttg accagagggt atgcatcaat 180

gtggaaagga tgcctgacac tttatactgg aagaggtggt gaacttcaaa aaattggaga 240

attttgtatg gtgtattcag aagtgccaaa tttcagtgag ccaaacccag attatagagg 300

acagcagaat agaggggtac aaaatgaaca gaaggataaa ctgagcacca atacatttgg 360

accagtggga aatggtgatc agactggccc tgaatctagg ggatatcatc ttccatatgg 420

cagaagcaat ggtccgggac ctatcagtcc acagctacca ggaacaccta gtagt 475

<210> 6705
<211> 441
<212> DNA
<213> Mus musculus

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<222> (268)..(268)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<400> 6705
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cggggcgcac agcgtcacct gtggcgcttc ctgccccagc gagccccgtg gcaccccact 120

taagtcccgc caagttcccc ttaaaaggtg gaaaacaact tcagagtctg actccattaa 180

acacagctcg tccccaaagc cttggaatgt ccgctcctca cgtgacacct cacaacccat 240

ccttagactc cagaaggctg gatgagcnca gggaanttaa ggtggaaagg agcaagacta 300

gttgggatgc agtagactgc aggccacttc tatatgacta ttctgacgac ctgctatatg 360

actattattc cagaactttc tagaccaaag acatgggtag ttaagtgctt agntanaagt 420

tctgatgaca ttgtggctgt a 441

<210> 6706
<211> 135
<212> DNA
<213> Mus musculus

<400> 6706
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aggtaggaga tgacgtgaat acccagtcgc cataaaaaga agatcgtgga cacgtcttct 120

gcaagtgatt ttgaa 135

<210> 6707
<211> 565
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (395)..(395)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (490)..(490)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (523)..(523)
<223> n is a, c, g, or t

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<222> (535)..(535)
<223> n is a, c, g, or t

<400> 6707
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tacaccaagt cagagaccgc ttccgaagca gggccttcag agctagagga gcttccagaa 120

ggggagaagg aagagcagga ggaggtccta ccagaagagg ctaaagggga ggaggaggag 180

ttggagtatg ggaaggaaga agcagaagag caaggagcag tagaagagga aggagcagaa 240

gaggcaaacg aagaagcagc agcagaaaag aaagacgaag atgaagaaga gggagaggaa 300

taagtggggg agataaagcc aataagtagc cgagcctctc acagccctga gaatgagtnt 360

ncaggangca gaagctgtgg gaanctgcca ntntnagtgg gcaagggagg aagganccnt 420

ctgtcactag tgttcaatgg acaggtgttt acatactatt tcagtacttt acatatttca 480

tttgaanttn tcctatagct ttggatattn ttgttcttgt atntttgggc tgatntttta 540

gtcaccagaa aatgctttct tccac 565

<210> 6708
<211> 383
<212> DNA
<213> Mus musculus

<400> 6708
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aggcgcaata gttttattga tgtgctcaac agcctgtgag acacccttcc ccatgaagcg 120

ggtcttatca ttgtctcgga gttctagggc ctcgtagatg ccagtggacg caccgctggg 180

caccgcagct cggaagagac cttttgcggt gtacagatcg acctcaacag tgggattccc 240

acgggagtca aagatctctc tggcgtggat cctgagaata gacatggcga atttctggca 300

gtaggatcgc tgcaaagcaa ggaaagaggg tctagaaaat atttttatca gctggtagga 360

ttgcttgact gctttttagg ttt 383

<210> 6709
<211> 421
<212> DNA
<213> Mus musculus

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<222> (60)..(60)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

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<222> (271)..(272)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (335)..(335)
<223> n is a, c, g, or t

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ctgaagtgct tctgtctaag aactaagtcc attccctttc gggacttgcc accatcatcc 120

tgttctctgg gttcctattt ttggtggtgt taagtgaagg aagaagtgtt ccctctaatt 180

tctccctgtc ccagtatata acctgctatc ttggggcagc ttttgatgtc tgacatgtca 240

cccttcccaa gttggtctct tccnacnact nnctgtcttc acngtggcac cctcttacca 300

caaccctaac tctgntcatt tgtnccttte tcttntcatc tctgtacact actaatattc 360

actgtgggtt ggggagctga ttttaagcat gttcagtggc tcccctccag tttcagtgta 420

a 421

<210> 6710
<211> 323
<212> DNA
<213> Mus musculus

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<222> (31)..(31)
<223> n is a, c, g, or t

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<222> (42)..(42)

<223> n is a, c, g, or t

<220>
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<222> (51)..(51)
<223> n is a, c, g, or t

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<222> (55)..(55)
<223> n is a, c, g, or t

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<222> (65)..(65)
<223> n is a, c, g, or t

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<222> (75)..(75)
<223> n is a, c, g, or t

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<222> (88)..(88)
<223> n is a, c, g, or t

<220>
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<222> (92)..(92)
<223> n is a, c, g, or t

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<222> (114)..(114)
<223> n is a, c, g, or t

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<222> (236)..(236)
<223> n is a, c, g, or t

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tttancctag atctnaccat tttcatantc tnacctgaaa gattcacaga agtntcaagt 120

gctatgcatt gaaacttgtt ttttaaacat tacctggcac tgtgtatatt aatgtaaaac 180

aatgttaatt tacccagatt ttcagtttgt actgcctggt atgtctgtgt aagaanccaa 240

tttttgtgta tttgttacag tttcaagtta tttatatttg atgttttgta aactcaaaca 300

acaaatatac tgtacttatg gac   323

<210> 6711

<211> 134
<212> DNA
<213> Mus musculus

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<222> (71)..(72)
<223> n is a, c, g, or t

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<222> (74)..(74)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (101)..(103)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<400> 6711
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cttgttcctt nntntggaag cttcagagtt tttggacatt nnnttcntcc agttggcatt 120

tgtttgaaat tgta 134

<210> 6712
<211> 262
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

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<222> (88)..(88)
<223> n is a, c, g, or t

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<222> (124)..(124)

<223> n is a, c, g, or t

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<222> (131)..(132)
<223> n is a, c, g, or t

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<222> (149)..(149)
<223> n is a, c, g, or t

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<222> (166)..(166)
<223> n is a, c, g, or t

<220>
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<222> (211)..(211)
<223> n is a, c, g, or t

<400> 6712
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agaggcgatg gatggaagtg anacaccntc agttattcac tgtattgcca gagaagagaa 120

cagncactgt nnggggggagc catgatggna tccacccaca tttatnacat gtccacggtt 180

atgagccgga agggcccagc ccctgaattg ncaaggtgtg gaagtagcgc tggcgcctga 240

ggaattggag ttggacccca tg 262

<210> 6713
<211> 534
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

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<222> (308)..(308)
<223> n is a, c, g, or t

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<222> (333)..(333)
<223> n is a, c, g, or t

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agccacagtc cagctgcaga cttcaggaac tccaagccaa gcagtttgta aagaaagatg 120

ctgccaccta ttggcccttg aactggcgca ncaaactatg cacctgtcaa gactgtatga 180

aaatgtatgg agaactagac gtcctgttcc tgacagatga atgtgataca gttctggctt 240

atgagaacaa aggcaagaac gaccaggcaa ctgatagaag ggacccttta atggacaccc 300

ttagcagnat gaatagagtc cagcaagtgg agntcatctg tgaatacaat gacttgaaga 360

ctgaacttaa ggactacctg aagagatttg ctgatgaagg cacggttgtt aagagagaag 420

acattcagca gttctttgaa gagtttcaat caaaaaagag aaggcgagtg gacgggttac 480

agtattactg cagctaaagt ggaatgccac ttcctcggtc aggttcacga aaat 534

<210> 6714
<211> 241
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (26)..(28)
<223> n is a, c, g, or t

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<222> (34)..(35)
<223> n is a, c, g, or t

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<222> (41)..(42)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (120)..(120)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caccctcgnt ncttacacat ttcagaccct tnagncnaac ccttgcatag agtggtagan 120

ccatatctca gtgctcggtt tcagtattca actctccact ccctgtgncc agttgggatt 180

taaaaactca gattgctatg gaaaggggct ttgctgggaa aggcgactcc tctaacttca 240

c 241

<210> 6715
<211> 529
<212> DNA
<213> Mus musculus

<400> 6715
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ttgatcttgg tgacttccag tttgccccgg cccacaccaa ggagttggag gaaaaggtgt 120

cagaactgca taaaactcac aggggcttat ctccagcaca agccgactct cagttcttag 180

agaacgcaaa gaggctttcc atgtacggtg ttgacctgca ccatgccaag gactctgaag 240

gtgtggacat caagctgggt gtgtgtgcca atggccttct catttacaaa gacagactaa 300

ggatcaatcg ttttgcttgg ccgaagattt tgaaaatttc ctataagcgc agtaatttct 360

acattaaagt tagaccagca gagctggaac agtttgagag taccattgga ttcaaattgc 420

caaaccaccg ggcagctaaa cggctatgga aggtgtgtgt ggaacatcac actttctaca 480

ggcttgtgtc tccagagcag ccaccaaaga ccaagttctt gaccctggg 529

<210> 6716
<211> 285
<212> DNA
<213> Mus musculus

<400> 6716
gcctgtttct ccagtgagca gctgagggta tgccgccatg gctgtcactg acaaaaccaa 60

aaggttaaga tgtccctgac ctagggagtc agtcacgacc tcccaggaga cgctatgttg 120

aactattgga atggaacctt taaaagcaat gacggtgtgg aatacttccc aagcactgag 180

tcactgtgtg acgcacgaac caaagcatcg accagtgcta cagcccctct tcatggatac 240

cactaggttt tactgtactg ggcgcccttc caattttatc taatt 285

<210> 6717
<211> 359
<212> DNA
<213> Mus musculus

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<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t

<400> 6717
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atagaaacca gtgtctggca ccccagagct cactggggca ggggtgtggg tctgcagggg 120

tgtgggtctt ctgtnccact gcatgaagcc tggccctggg ctgtccctcc ccaggttntg 180

gggtgtctgg agctaggctc agccccaccc tccctgtaca acgcccatga cattgggaca 240

ctccttcctg ccttcctcac atgtgggtat ctgctacttc tccatcttcg gaatgctgcc 300

aggacacttg tgagcctccc ttttccactt tgtaaggaat gtgatcacgg gacctgcct 359

<210> 6718
<211> 266
<212> DNA

<213> Mus musculus

<400> 6718
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tgtttacaaa tcgctagctc gaaggtctac ttgtcgcggc tttgagttac tctccatttc 120

tgcagaggtg aggtgcagtc tcctgctcat caactggaga tttagtcata atgcctcctg 180

agtttgtgtg aatagcttgc tcactttgct ggcctttgat atgtatgttc tctgtggtaa 240

actgtccatg tgtttgtatt aagtgc 266

<210> 6719
<211> 203
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (115)..(115)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (133)..(133)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgtgntccat ntntgtgatg tntntggant ntntncggga cacgaccagc tgattgtaga 180

caccgtgttg atatcactag aaa 203

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<223> n is a, c, g, or t

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aattgacctg tccatgatan nccttaagtt tgaacattag ctgaccttct gtgttaaaca 120

tgggtctaat ttatttactg tttcattt 148

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caaagcagca ccaaggaaac gtntcccng atcaccaccc ctnttaagca ttcccatttg 120

ctgatgaann tntgggccag ttcatagcaa agttgtactt ggaagacttc aacctttaaa 180

gaagactggt ggaattgacc tgtccatgat anncctaag tttgaacatt agctgacctt 240

ctgtgttaaa catgggtcta atttatttac tgtttcat 278

<210> 6722
<211> 102
<212> DNA
<213> Mus musculus

<400> 6722
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ccaacagcca agtggatatg ggtctcatgg atacaacact gg 102

<210> 6723
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<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taaatcccca ggtcaccacc gtagtcacag acatagaagc cactcaaagt ctcctgaaag 180

gtctaagaaa agccacaaga agagccggag gggaaatgag taatggatgc atcttgactt 240

tggtccaaat gacctcctgt ggctatgaga gcatctgttt aagtggaatg atcaagatnt 300

cctcttcagg cagctnnnna gtattttggg tttttcaaaa tcaacttctt cttttgttgg 360

gttttgtttt tattttaata ttacagaggt gctaagtttt gtatntcttt ggattataac 420

caacagcttt gaagagtgtt tttgaccaaa tcaaggtcaa gttttgncct aacccactat 480

ggttattcat acttagcagg gtcaa 505

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<223> n is a, c, g, or t

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gatgaatggg cttcgagtga atgtggcagt taaacatacc ttcatttttt ggacttgcat 120

atttagctgt ttggaacaga gttgtttcct ttctgaattt caaagataag actgctgcag 180

tcccatcgca atatccagtg g 201

<210> 6725
<211> 87
<212> DNA
<213> Mus musculus

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cagcaggcaa aaatgatcct tgaaaat 87

<210> 6726
<211> 380
<212> DNA
<213> Mus musculus

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tgtggttatg aagctcttag caggaggaca caaaaaagag tcaaaggttc ctcccgaatt 120

cgacttctct gttcacaaat attttcctgt tgtgaaactg gtttgaaaga gactgcaaag 180

atgaccgtgt ccactctagg gaagacatca gtctgccaca catggtgaca gaaagtggat 240

ctcttgaatg acagacagct tgctacaagg aagacttttc agtttaccac ccttacctag 300

agaggatgag aactgctgtt ttaaagtggt ttattgtact ccatggggta actgggctgg 360

aatgcattgg tgaacgctac 380

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<212> DNA
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<223> n is a, c, g, or t

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ncttcntact atnttnttga aacaggancc tcagagacaa catctgncct gcttaggaac 120

ctggnttctt taccataacc tccggattat gatccagtat ctgctcagtg gctttgagct 180

ggagctgtac agcatgcatg agtactacta cat 213

<210> 6728
<211> 256
<212> DNA
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<400> 6728
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aagctaggta ctgggtttgg attaggaatt gttttctccc tcaccttctt taagagaaga 120

atgtggccat tagcctttgg ttctggcgtg ggattgggaa tggcctactc caactgtcag 180

catgactttc aggctccgta tcttctacat ggaaaatacg tcaaagagca gtgacttatg 240

ctgagaacat cccagc 256

<210> 6729
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<212> DNA
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<400> 6729
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cttcgctctt cagagtcact tatgctattg gggatctgaa gatactgccc tcttgttact 120

taaagaaatt tatcgaacaa tgaacattag tccagagcag ccccagcatt gagcagactt 180

gcattttaca gggaagttcc agcatgagtg tcattgctga gaggctcctt ggtggctgat 240

ccgtctttgc atctatgatg gatgacagaa aagtgactca gcaacaattg ctagcgtgga 300

cttctcagat 310

<210> 6730
<211> 197
<212> DNA
<213> Mus musculus

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ccggccgtca tacgtgaacc tcatgagagg aaggtcctgg ctctgctaga tgctctgagc 120

acaatacaca gtcagaaaat gaaaaaggcc aaagagcaga gacgcctgca caacaaggag 180

catgtgaaga tgaagca 197

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgccgacaaa gccctgaaaa ccttccagga ggagttcatg ccagtggaga ccttctcgga 180

gttcctcgac gcagcaggtc ttctatcaga aatcaccgat ccagagagct tcctaaagga 240

cctgttgaac tcagtcccct gaccatcccc atggaaatga gattgaagct agcttgcatt 300

ctcccctcat tcatctctcc gtgtgcactc atttccccca cggatgctgc attagcaccc 360

cctcctccct cagttttctc ggagtggttt ggggtctgta ggcttcctgt tctatcacgt 420

gtgtgtgtgt gctgcgcagg ctatgaagtt ntctgtagct caanccattg aaggacctat 480

acgtacctag gagctgt 497

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cgagttagac cctcacatcc tggctgtgtt ccagcaattc tgtgctctgc aggcctaaca 180

ctcgcgtttc ttccctttt attatcttga aataacttgt cttatttttg atggtttgaa 240

tgtttgcttt cttgtagtag cctttcactt cctgatggaa atgggggagg agagtgagga 300

atatgacgtg acccttagtt ncccntgcag gncaagtgtg gcttgctaac agcgatgtta 360

tgttgaccgt agagttgtac atatgtgagc acaactttcc tntgataaat ttgatacttt 420

ttntccttag ggcacaaaac aacagatttg aggtgtgtga aatgcaaggt cgggcttgca 480

aaatagtaga tacaaccgag ggactatccc ca 512

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<212> DNA
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<223> n is a, c, g, or t

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gcaggatctg ccaccagcct cttcatctta tccttccatg agcagaagag aattcagaaa 120

aatgcacttc agagccaaag atgacgagga tgacgctgag gggtagagct gcgggcgcct 180

tgcagccggt gtcaagattc tgtatggcat ctttcagaga acacgctctg agaacaaggt 240

ggacatcagt gtcactggct ggcacagacg cccaggcgca ccatgctggc acaggggct 300

gggcagtgga aaacaaggaa aantcctgag agctttggct gtggtaacag gcttactttc 360

catgccagac tgatcaccgg ggatgaattn tgctggaagg antcctgttt ctgagtggcg 420

ctaaccattt gacctggtag t 441

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<212> DNA
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catcctgaca cccctcagtt accctgcagg ctagtggcag aaaccctagt gttctccaaa 120

tctgttggag catctttgca cctcagatca ccttgagcct cttctgttgg gggaggtggg 180

ccaggggcca tcccacagaa tggacaaatc taggagcccg gcttggggtc tgttcgcaga 240

agaaaaacat gttgaagntg gtaacaagan ccctntttta atgggncatg taccccatgg 300

antcctggac acactaagcc accaacnccc aggaggcacg gaactctgaa ctgacctcca 360

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agcttgatgg gtcnactccn attngtgaag acattggtag gnnnannnnn nnnnntataa 180

taggagaatt cntatccccg agcttgaagc aagaattgat gcntgtggat gcggagacgg 240

ttngacgagt ntgcaccaag tacattnatg acaaaagccc agctattgct gntntggntc 300

ctattgagcg antaccagat tttaaccaga tttgtagtaa catgcgttgg attngtgact 360

aatttttgtg atcaaatant ntgcacatat atatttataa aactaagaga ctggaagttt 420

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accnaactct tnccctgagt ttccagtngt tggtaggnac acaatttttn tnttntcccc 180

cnagttcctc accttgaagt tgcataagga cccgtgtttc ctttttcttt tattattatt 240

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<210> 6737
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gaaaaaagcc aaagaaaact catccggcat gttagcctta aagatggtac tggccagaag 180

ccggggctta atctcttcag agctgcatat ctcttatgtt tgggtttggc ctctaagtct 240

tgtagattaa attaattctt gctgtatttt taaatttgag taagggttat gtgcattnaa 300

ctgtgttcct ntcttttatc atcccnnngg gnacgttctt accatagggg tcttgacaaa 360

gcaaagctaa aatgtgttgt tgataaatag ttcctgtgta ggtcagganc cgaaataaca 420

atagctctgc agctcatcgg gctctgattt actcgagtt 459

<210> 6738
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<212> DNA
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<223> n is a, c, g, or t

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tgtggttgcc aaagccctct gtgtcttctc taaggnctgc agcagctaca gcacatggga 120

ttccccactg agcaggctgc agtgnccttg gcagctacag ggcgtgtaga 170

<210> 6739
<211> 173
<212> DNA
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<400> 6739
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cctggggcct ggacagctga catggaagaa ctcggagagg ggcttggact gggctgggtc 120

tagctttgct tcagcaacga cgatgtgggc agccctagac gagcagatgc tac 173

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggcatagtcc cagctacagc aggtgtgttc acaatgaact gtttggacac agacctaaca 180

gtggcaagtg tgcttntaac catgtggtct ggtttcacag ttctgggaac tgcaactccc 240

agcctcttac tccaggaaca atacccaacg gtgtcatcct tgcgcagggg ccatggtgat 300

ctgtattgtt ccagctgtag tggatgctct nnctgaaggg gantcagctt ttntcctcct 360

ggtgggtcct gcaggaagca gtgttntcct tggtgcccgg ggaaacctcc catgtctgtt 420

tcctataggc cacttgttcc tcacgaccat ccgncctgac aatcagaatt cctatctcat 480

tgcttgtcag 490

<210> 6741
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<212> DNA
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ggccaaagta tttcccatca gatagcattt ttctgaaccc atgcctcttg ggacgagatc 120

acaggacttg acccatcatc aaataggacc aggtgaccta cagagacatc acaatgatgg 180

cttcctacag tcaagtccat ttccaataat gctctcatct aagagaaccc atgaacctta 240

tttgaat 247

<210> 6742
<211> 82
<212> DNA
<213> Mus musculus

<400> 6742
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gctctgactt tataaaacct aa 82

<210> 6743
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<212> DNA
<213> Mus musculus

<400> 6743
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gaaagagctg tgtggacatg gtcatgaaat ggctggtgcc agagagcagt ggccgctatg 120

tgaacaggat gacaaacgag gcactgcaca aagggtgctc actgaaggtt ctggcagaca 180

gtgagcggta cacttggatt gtgctgtgag ggctggactg ccctggaccc tgactccaac 240

tacctccacg ggcccggaga ggaccgcctt cctgggctgg ccctacaagg gccacaaccg 300

gcactagtgt taggttgcag gatggatggg actggcacag cagcctctgg tggcccgaga 360

g 361

<210> 6744
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<212> DNA
<213> Mus musculus

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tgtttctctc acaggaggtg agcaagctga gggttatgtt cctggagatg aaaactgaga 120

aggaacagct gatggacaag tatctgagcc ataggcacat cctgga 166

<210> 6745
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aggaacagct gatggacaag tatctgagcc ataggcacat cctggaggag aatcttcggc 120

gctctgacac agagttaaag aaactcgatg acacaattca gcatgtctat gagactctgt 180

tgtctatccc agagactatg aagagttgca aggagttaca aggattgcta gaatttctga 240

gctaagaaac tgaaaatatt ggaatgcnag tggtgtgcac ctgtagttcc agctgctcca 300

gacnccaaag ttggagtgct nccaaatccc aggaatttgg gaacctaaca cagacaacac 360

ancnaaaacc ctgaaaaatg aattccactc cactccagtt tccttcaggg ctctttat 418

<210> 6746
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caagccattc cgtgtgctct gctggtccag tctaccaaag ttcctagaag ggtggatacc 180

ttcacatagt tgttggtgtt tgttttgttt tgttttttttc tccccaaaga aggtagatga 240

cttaaataca gtggggaagg tggaaggaac tcatactgtg cattctagct tcagcagact 300

gattgcaaga ctcaaatttg atgtatgtgc tatgctatga tcaggtgaag accctctccc 360

ctgactggga tgaaacctca tttagatnnt cttgaattaa tacattgtgt gtaaacctgg 420

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ttacgtgtgt ttaacc 496

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<211> 544
<212> DNA
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gagacctggc ccacctggag ctctgaggag caggggaacc agagtagtgg aaccagcatt 120

ggaagtcagc ccctctcccc ccacctggga cagggagact gtcagggtca ccagctgtgg 180

tccagttgct gcccctactt gtatccctgt cctataaact taaaaggaaa accacttccc 240

tccatctctc cccgacccct atgggaagtg tgctggccag gcagaggaca gcacctgcgc 300

ctggggctgg ctccccaggg tccccaactc agctggtggc tgtggaactg agcccctccc 360

cctagcctct gcaaggccag cacccacatc actacctgca cctacagtga cccacccctg 420

aaggcctggg gatctggctg cagctgggaa ggccggcaag gcactgacag cacccaccag 480

ctcttctccc caaccacctt ccctagcctg tggtggtggg tagctgtcag aacgtgtgtc 540

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<223> n is a, c, g, or t

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gtgtgccccg cgtgcctcca cctaccagtc gccgctgcaa aagaagttta ggtctacaga 120

tacagtgggt tttgtggagt cggagctgaa gaagattctg tcagtgcaac gagaggctcg 180

cctctggaag gtgggcaacc ccgagggccg ggagctgctg acccagccag acatcacact 240

ggaggaggct ggcatggtgg acggccagca cctgctcctg gaggagatgg acgagatggg 300

aaantgnccc cntccagatt ngaggcccgt nccgncagga ncccaccgtg cccacantnc 360

ntgggacccc antntggngt gtgcntnttn nttgggacac atgcaaggan tnccnngggg 420

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cctacccntc agantcctgc agatgacgtt attaataaaa   520

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tagagatgtt gtcagacatc ccagtagttc ccgatgtagc tgtgtttgta aatcgagacc 120

ctcttactcc cagttttgtg taggtggaca cgttcatgta tttgatgtat caatttaact 180

caactgattt cagaaaaaaa aattctgtat tagaacaaga tctctagcct gaaacggaat 240

gctgaatttg tacagattac acatagaaag tagtttgctt aactgangtg ttatttagaa 300

catatttcag natnntncaa agggtngggg gcttntntcc atcaccagga acattctggc 360

nagaaaantc tgtgctggac tgatttatca caggtgtagt gggactgaga acaagcagac 420

aaggttttcc tcatataggg agctagggat gtttntcata gtgttncaat gtttccctta 480

ntctagtgtg gaatatgtan ccacttgttt tgaattgctt gcacatg 527

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<211> 424
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (332)..(332)
<223> n is a, c, g, or t

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<222> (359)..(359)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaaagctcgc aaaccttgtc agcctggatc cacgtcttat tcaaaacgtg tcgcgatcat 120

tcacagctta agatgtacgg gattcgcgcg tgagaaggga gagagaagcg ccggtttgcc 180

gacgccaccc cctctcatca gggctggcgc ggcgagtggc agctccttag gtcacggctt 240

ccgccggcgc cagtggncct agntcccntg cggctgtcct tggtcgcctt gtcaccaggc 300

tgaagcagtc aagatgacct tatttcagct tntacgtgag cactgggttc atatacttnt 360

ccctgcggga tttgtctttg gatgttatnt agacagaaag gatgatgaaa agctaactgc 420

cttc 424

<210> 6751
<211> 374
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caatagcttg ttagcagtga ccatcttgca gcagctatgc aactttgaaa agttttngct 120

ggtccccgct ccgggnccac agtgactctg tcctagcagg tgtcttttgt ctttctgtaa 180

ttacttcatt gtgctttgca tttccaggag gtttccctat gtttgggtaa aatgtttagc 240

aagttgtaaa acatcagacc ttctgaaaag ggtgaaataa acacttctgc agtgggactt 300

ggagtaatct gagggacatt ttatatactt ttaaaaatca gaatttaatt gggatgccag 360

atttctagca actt 374

<210> 6752
<211> 427
<212> DNA
<213> Mus musculus

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<222> (298)..(298)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccgactagaa aagctgttcc tttgtggtag tttgtctcta gcttgagcaa cccacttcct 120

ttggtgtgca ctggaagagg gaaattttga agtactatcc cagaaagtgt tgactaacac 180

cagtatttgg aataaataca ggagcacagc atagcgccat acgttacttt atagttacat 240

acacctatag tgtgcacaaa gcattggtcc tggtgggtcg gttgtgtatt tatcctcncc 300

cacaagggga aagtctgtcg nccttttaatt tctgtgagaa aggtgacatc taagatatgt 360

gttacagaaa taccagcttt tgctcagaaa caactttggg ggagataacg atgacaggtg 420

acctcaa 427

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<211> 524
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aggttatcta tcgtgtggca gggctggcca gcaccgttgg gtctcacctg gcatgagatc 120

tgaagctaaa gccctgggac tgtggagcca ttgggcttgg tttggtattg acagggtcat 180

cctgaggggt tagcagtggt agagagcaag gcaagtgatc tctccagcta cctgccagca 240

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aagttaatta cgttctcatg ttctggcatc cacataattc ttgt 524

<210> 6754
<211> 527
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caaagctagc ccatgagtag tacgttttca gaggtctaca gtaagaaccc tgagcgtcct 120

tacacatagt tcagtggttg agcatcctgt aaggcagggg taggtaactc aatgcagtaa 180

ttaatttttg gaaggaaaaa aaaaagccta atccattact gtctttttga ctgtatagct 240

tagattctct acacctattc ctttccagtt ggctttattt acctttagct atcttgatac 300

tttcttggcc aaatatcctg gactcagtga tcattgtgac acaatgtggt gtaagacaaa 360

gtggcttctt gctatgtaac tgctagcatt cacactaggt aacctccctt ancctcctac 420

cactgaggtg gtgggtttag atggtntcgt agtgcctttg attaacttaa gtatttagct 480

ttcatcttcc ttagatntnc tttgtcctcc caattgaaca catttct 527

<210> 6755
<211> 221
<212> DNA
<213> Mus musculus

<400> 6755
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gctcttacag attgaacctt tttacatttc tgaaaatagc agaaagagca tatttgactt 120

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gcatccgccc gtgtgcaact gtctccagtg cttccaaggg t 221

<210> 6756
<211> 416
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acagtatgtg gcttgtggtt ctaagagtgg agtggtaaac atatacaatc aagattcctg 120

cctccagcaa acaaacccaa agccaataaa agcaataatg aatctggtta ctggtgttac 180

ttccttggcc tttaatccta ccacagaaat cttggcagtg gcttcaagaa aaatgaaaga 240

agctgtcaga ttggttcatc ttccttcctg tacagtattt tnctaacttt ccagtttttn 300

aanaagagta ctctttnctc gtgttcaaac catggatttt tctcccagag gtggatactt 360

tnccttaggg aatgnaaagg gcagggccct gatgtatagg ttgcatcatt actcag 416

<210> 6757
<211> 326
<212> DNA
<213> Mus musculus

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tgatatgttt ccagactcta gccttgttcg aagtctccag aaagagctgg atgccattat 180

ccaagaaggc gtgcacaaca tcaccaagct gattaaaatc tctgagtcac gcaagctttt 240

gaatctggag agcttaccat cgggggacca gtcacggttg tcaggagcct ccaagagccc 300

nagcgagaag gacacgtggc accaaa 326

<210> 6758
<211> 464
<212> DNA
<213> Mus musculus

<400> 6758
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actcccagtc tctctcagct aagctctcta agctggcctg ggttctgagc tacatggaag 120

gcagagttct caagcccttg ttttatagtt tcccccgaaa ccccttgtaa gggtctgaga 180

caatacaagt cagactcttg agacagcaca tctcagcctg aatctctcac cacctgcctg 240

gtgcctttgt tcccagcatg gtggctcctc cccagcccac ttcctcccag gcctcagata 300

taggtctcct tggcacaagg cgccaccacc tcatttggca gccagcactg actgacctgt 360

gctgtgagtc ttggagacac tccatgcatg gccctgcctc ttttctgctg ttctcaggga 420

ctttgcctca gtttcccctt gtgatctttc tgtgggttag ccca 464

<210> 6759
<211> 425
<212> DNA
<213> Mus musculus

<220>
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<222> (130)..(130)
<223> n is a, c, g, or t

<220>
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<222> (207)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(220)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
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<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<400> 6759
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agtcgttctg aacaactgct gtcggcttgg aatacctgtg cagtgcaggt gctgtacaca 120

ctaagacttn gacacctgtg caggcaccat acacattaag gcttcaatac ctgtgcaggc 180

accatataca ctaagacttc agccccnngc ccccccccnn agttggtatt ggttccccta 240

gtttatttnt agtacttgaa ctcagcctaa ctataaagcc tttgctggga gcnacttgag 300

acctgggaaa ccagtaaaag aagttgacta cancncagtc ctnccttgtg tccatgntcc 360

tgggttccag gaccttcatg gagactgatc tatagatncc tcagcactta cgaacagtaa 420

cctag 425

<210> 6760
<211> 310
<212> DNA
<213> Mus musculus

<400> 6760
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tgagtcctcc accatcactt gctgccagca gtgatagcct tgaggtttcc agctcgagcc 120

agaatattgg gcacgaagag caatcccgag gcccgctcga tgctctcgat gggcaccagg 180

aaccgctcca gagggatggt ctcatccacg ggggcattgg gcatcacgta ggaacgtagc 240

tcgatctgcc caccggctgc ctccaggatc agcaccttga agaagtgtgt gggcactgcc 300

acgtggttct 310

<210> 6761
<211> 114
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<400> 6761
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tggantcctt gatatgtaaa gggcacttcc cactttccac ctgtttggtg gtct 114

<210> 6762
<211> 312
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (98)..(99)
<223> n is a, c, g, or t

<400> 6762
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gccaaaagct gaaccttcaa aatgaaacct aaggggggnnt ggtgatgact cattaaataa 120

gttggtattg ctgctgtcct gtcccattca cccgatgcag aggactcggg aatgggctaa 180

taacacaccc ggcaggtgaa tgcaacccag gagctaaaca gtggttgtgg ccacagtcgc 240

ctgtgaatgt gagtttcaga acagacacaa agccttaact tagattttct gttgttttgg 300

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<210> 6763
<211> 414
<212> DNA
<213> Mus musculus

<220>
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<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<400> 6763
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cagagatgtc acagttcaag tgtctttcta gtgtggcttt gtatggcttc ctttgaacat 120

tgtacataca ttgtatcttt gttttatggt aataagtaat aaaaaatgta gacttcgtat 180

tttgtacaaa atgtcctatg tacagaatan naaaaanagt tcatagaaac agcnaaaata 240

ggttaagtgg cnacagttat ttttctttag aaaatatctg taactttatg ctttagtgna 300

acgttaagta ccaacatatt ttttaacatt ttgtaattca aaacttttt gttttgacat 360

tgtttatgaa gaaagacttc atgcacttnc catttaatat gctcttttat ctaa 414

<210> 6764
<211> 519
<212> DNA
<213> Mus musculus

<400> 6764
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acttacacat gatccttcaa caaggctctc gagtggataa agatcacagg atctaagaat 120

tccacattgg tagaaagtga cagtaaactc agccccttgg cctagtgcag cctgcagctg 180

cctgtggcct gactgcgggc cgcactgtgt gggcgccctc agtgagcctt tctttctgtt 240

ggaaaaagca catgtcacca agctcgcgag gaaaggcgcg gtgcccgcgt tcgcaccagt 300

ctccacatgc tgctccggcc ttcacagaat tcttgcatgg attaagcttc tgttttagat 360

gggatagcac gaggagatac atccttaaac ttagtgcttt gtcttcttgt cctctcaggg 420

tggccagtat tttgacttat ttatcctgct caaaagctgc ttgaaatgtg tgctgctctc 480

tgaacagtgg cgagtcttct cttgtctcca gcatatata 519

<210> 6765
<211> 166
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<400> 6765
gggaaagatt tcagcattca tcggcttgtc ctgggaacac acacatctga tgaacagaac 60

cacctggtga ttgccantgt nccagctccc taatgatgat ngctcagttt gatgcatccc 120

attatgacag tgaaaaagga gaatttggag gttttggttc tgtcag 166

<210> 6766
<211> 116
<212> DNA
<213> Mus musculus

<400> 6766
acccaaactt cacgtcagaa tccagcaaac agccaaagtt gttacatcgt gttgtggaac 60

agttacaaaa agtccatttc attacagata ctctgtcaaa gggtgaaaca aagttc 116

<210> 6767
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (154)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(162)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (513)..(513)
<223> n is a, c, g, or t

<400> 6767
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ttcattacag atactctgtc aaagggtgaa acaaagttca tgggtgtttg ccagcttccc 120

agcgagaagg atggaaagga atatccacac aggnnaatnn nnancaggnn nnnnnnnnnn 180

nnnntgatcc ccaaagatca gtactactgt ggtgttctct acttcactgg gagtgacatc 240

tttaataaga acatgagagc gcacgccctg gaaaagggct tcacaatcaa tgagtacacc 300

atccgccccc tgggggtcac tggagtcgct ggggagcccc ttcctgtgga cagtgagcag 360

gacatttttg attacatcca gtggcgctac cgggagccca aggatagaag tgaatgatgc 420

cctgccagcc ccaggcacag cccactagga gtcctaattt atttcttaac ctttgctatg 480

taagggtttt tggtgttctt aagcgattgc ttnttctctg tgcttaccat gtactata 538

<210> 6768
<211> 117
<212> DNA
<213> Mus musculus

<400> 6768
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ttattgcact tggtttggct cttgagttag tggcccagtg aacacatgcc ttgtacg 117

<210> 6769
<211> 431
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (210)..(210)

<223> n is a, c, g, or t

<400> 6769
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tgtaaagaag aagggccgcc tggatcccta tgcgtacgtt ccactcaaca gatccaagct 120

caaccgcagg aagaaggtga agctccaggg gcagtttaaa ggtctggtga aagccaccca 180

gcggggatcc caggcgggac acaaactccn cagaaaggat cggcggcggc cctgaatccc 240

tctggggaat ggagctgttc tctgctgtgg tccagggccc ctttctaact cccatgatgt 300

ttaacaccaa ctccaggtgt gagccttgct aaacctggac agagaatgac tcattggaag 360

caggactcat ttctaagaga gatagatgcc taggattttg gaaactattg tcctttggag 420

acattgccaa c 431

<210> 6770
<211> 414
<212> DNA
<213> Mus musculus

<400> 6770
aatgcaattg cgaaccagct acggtaccca aacagccaca ctcactactt cagctgcaca 60

atgttgtacc tttttgctga ggcgaacact gaggcaatcc aggaacagat cacaagggtt 120

ctcttggaac ggttgattgt aaataggcca catccttggg gtcttcttat caccttcatt 180

gagctgatta aaaacccagc atttaagttc tggaaccatg aatttgtaca ctgtgcccca 240

gagattgaaa agttatttca gtctgttgca cagtgctgca tgggacagaa gcaggctcag 300

caagtgatgg aggggaccgg tgccagttag atgaactgtg tatatccctt gcagatgcat 360

cagccttggt ccgctgaacc aagttcataa actgaagatt cctcctgact ttcc 414

<210> 6771
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<400> 6771
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gaaggctgtt accgcactgt atgggaacgc ctgggcctgg ctttccagac cccagaggca 120

tactgccagc aacaagtgtt ccgctccctg gcctacatgc ggccactgag catctgggcc 180

atgcagctgg ccctgcaaca gcagcagcat aaaaagagcc gcangccatc agtcacacaa 240

ggcacgggac taagcacaca gcctgaatgt ggaccaaaga gatcgctggc aaacctcaat 300

tcagagtgat ccctctgaac tgtggaggcc cagcctccac actggacctc ctccttcctc 360

ccacaagtcc tgcagccctg agccaatagg acaatcgcgc ccntnttcct tcccagctgt 420

gccagtaaaa 430

<210> 6772
<211> 424
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
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<222> (240)..(240)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

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<222> (371)..(371)
<223> n is a, c, g, or t

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ccagtttctg tatagaatcg cacaagtggt ttatggagtg tttggattgt aactataaat 120

ggttctttga tatgcaaatt aatattttca gttgatttta tttnatattc ctnatggggt 180

gttaaanccg ttttttattt ttttctanat naaaagagaa cccatgcttt tatggacacn 240

taggtaaaac nccttcagct taaaattttt gttaaataat ttagtttatt ttattgttnt 300

nttccaggtg tctaaatctc cagtctntct gttgtactgg taatttaact ctgtaatgga 360

atagtttgct nccaactatt tatattaagt aatttttaaa tatttgtaat attgttgact 420

gact 424

<210> 6773
<211> 518
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<400> 6773
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ttcacctggc tccttggcct gttctgtttt gcttgctgtt ggaatgagtg ggctcccccc 120

ctatttagca tgaaggagcc ccaggcaggg tatgcacaga ctgactgcca tccctcccca 180

cccaggntcc acccagccct gtaaggagac aaggagcctt gtgctcggtg gtatttttat 240

ggacctcgat ctgcaattag tagaaggacc ccaccggctg gccctccccg gacacctggg 300

aagtgggaca ttctttntgt atttattttc ctcccccaga ancnnggggn tgggtgggtg 360

ggggaggagc tgcaggacca gtttagcatg tgtttggttc tgggggtctc tccancctta 420

ttttgggtca agatggaacc tctgnccctc cagctggcga ctatgagatc cagacctctt 480

catgttccct gacacttccc ctttgcatcc tgtgtaat 518

<210> 6774
<211> 102
<212> DNA
<213> Mus musculus

<400> 6774
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ggcggaattt cagcaagcag gccacagacg tgctgaatga at 102

<210> 6775
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(289)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<400> 6775
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agtaagccct gcaggcacag gattaggctc ggggactcca gctgctgtta ctacatctct 120

cctttctgca gatacaggat cacttctgta tgtaactttt ttacatacat tcgatacatt 180

cagcagggac tcgtgaaaca gcaggatgtc gatcagatgt tttgggaagt tatgcagttg 240

agaaaggaga tgtcgttggc aaagctggga tatttcaaag aggaantnnt gatgcccntg 300

tgtgcggggc cgtgcgtgct gcccctccct ggaccactga aggatgacgg aacattttta 360

tggttactca atatttattt ctaaggagag gccacagact tccctcntct tgcacactac 420

actgagaagt gctgtgattt cttttaagct gactgagctg tatcccttag tggagcacac 480

tatgaagaat tgcaggcgct agtgatggta attc 514

<210> 6776
<211> 103
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<400> 6776
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cgggtctgaa ccactccatt aagtcggtga aactgtggaa aca 103

<210> 6777
<211> 453
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<400> 6777
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aattaaaatg gaaggaggag ctgaactggg aaccctacag cctagtgatt cttctacttg 120

ctcgctatag ctttctgttg gcaaattttc tcaaaagcac tctctttaat cagattaact 180

tcttaaactg cttaattctc atcgcttctt aaaactaggg tggtttgcag gtatccaaaa 240

atatgctatg acagaacaaa attgtggtat tcatgaccca tttaatttac tgaaaaatca 300

taactgctgt cctgcctgct ctccttgggt ttcggtttta aaanccttg tggttgaaat 360

gaataacgat tcggttttct gaactgtaca catccttgtt cagttttctt ttgatgacta 420

aggctcagta ccagcgagct gtaggccatg tca 453

<210> 6778
<211> 168
<212> DNA
<213> Mus musculus

<400> 6778
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acctgttcga catcagttat gggagggctg gccagcttct gccaccgatg actcaatgtg 120

tcttgctgaa tcaggcctct cttatccctg ccatcgatta actgtggg 168

<210> 6779
<211> 521
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(48)
<223> n is a, c, g, or t

<400> 6779
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aaactttgga ctgagctatg ccagactcag tcagctatgt cgaaaaactg catcaagctt 180

ctgtgtgaag accctgtttt tgcagagtac attaaatgta tcctaatgga cgaaagaact 240

tttctaaata acaatattgt ctacacattc atgacacatt tccttctaaa ggttcaaagt 300

caagtgttct cagaagcaaa ctgtgccagt ttgatcagta cccttatcac aaacctgata 360

aatcagtatc aaaacctaca atctgatttc accaaccgag ttgaaatttc aaaagcaagt 420

gctgctttaa atggggacct gagggcactt gctttgctcc tgtcagtaca cactcccaaa 480

cagttaaacc cagctctgat cccaactctg caagagcttt t 521

<210> 6780
<211> 501
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

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ataacagtgg atacttaaga ctcaaagagc caccactact ttatttttta tacacttggt 180

ctttccatgt atataccggc ctctgttttt ttttttcca atctctggct cttctgtcat 240

cttccaagca gcgtctgaga gctctgcacg ggcacagatg ctgggtacct cttatgggtg 300

tggcagtatt acacgaaaca tgtttatttt aatggggaaa ggggtcatgt atgctcaaag 360

atatgtatat tttcattgta aagaaanaaa tccaacttta ttcctaagtt ttaattgtta 420

gnaagtattt tcgganccag tgatgctctt taaaggagtt atttcttcca aagaancaag 480

acgagccagg ttactgacat a 501

<210> 6781
<211> 206
<212> DNA
<213> Mus musculus

<400> 6781
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ctctttgtgg agaggatttg atcatt 206

<210> 6782
<211> 226
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<400> 6782
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agggctaggc aggctttctt ggggcgggtg agggagggcg agaggttttt tnttttttga 120

ctacagaatc tatccgatac ccagcctact tgtgtataaa gatataaata gaacgacaga 180

actaagtttg ctaaggacat agttttaacc agatgctatt tagctc 226

<210> 6783
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cctccctgtg ggagncaata aagacaagga aaacaccggg gttcttcatg ccttcccacc 120

ttgtgagttc tctcagcagt tcctggattc ccctgccaag gcactggcca aatctgaaga 180

agattacctg gtcatgatca ttgtccgtgc aannaannct ggtgaacagc ggatgaagat 240

acggaattca aagctctaat ggacctttt gaagagaagt ggcttatgtg gagtttacat 300

gggcctctga tggaagaaag ctaatctgtt tagtattttg tgcattttac taaaatggca 360

gcttaacatt gtgtatntgc tattgtgatg ccaatnccgg tgttttaagt ggaaaaatga 420

cctctttgct ttgtgctgtg tacacaagat ttctggaaaa gtaaagaaaa acccttttta 480

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<223> n is a, c, g, or t

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acacgttacc ttcatgtagc agtgcatgaa cttgcagaat ctgtgctcat ttttacttta 180

tttatttttg gctgatctag tagccttccc agtcctcttc tgatttgtga agctgagaat 240

tacttgtgtc tagattccac ccataccctc gatgtgncca gcgagaaggg cttctcacct 300

ttttnctgna tgtggacatn tatttcagga cttncngtca ttgaaatggn aaacacnaac 360

tattcttctc ataaaatttc ttgcttcagt tgattcaagt ttgatttttc aagatgcaca 420

cccctagatt ccngactaat ttagttcttt tgttcagtta atttgggagt ttaagtggtt 480

cttattgaat taaaaggttg aattgtacac ccaaagtgct ttac 524

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<211> 107
<212> DNA
<213> Mus musculus

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ttatgtgacc tttacaggtg tcgtttcaaa tgagctcagt cattggg 107

<210> 6786
<211> 455
<212> DNA
<213> Mus musculus

<400> 6786
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tttctgcttc ctgaaacata actatagtgc aacaaatatt tttgaacaat atatttccat 120

tggttggacc ttgatctcag tgagtgcatc taaagattta tgcatataca tgaagctgtg 180

ttcaaggctt tcttgcatat tcccaattag tccaaacccc aaatgattgc caaattttgc 240

tactgtgctc ctgtgtttgt gtttgagctg ttgtatgttt gtaaatgtca cacttaaagc 300

tggccaagag actgttgaag aagcgtggat gtgcatagga gagcaccccc cccacctgca 360

tgtacttagt gcctcctctg tgtcccatgg tgatagcttg cttgctgaat gctgtgactc 420

atagtttact gttctcttaa cagcttgcac ttttc 455

<210> 6787
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<222> (328)..(328)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cacagtttta aggagacgag gggggtgagg ctagtggtgg ggggtctggc accatctcat 120

tgctttaatc tcagcgacac aggtggcagc ttctcccccc tcctgcccac cccaggtcct 180

cttcccaccc tctctcctag cttggtaatg aagtgtattt attggtgaag gaaacagctg 240

ctctgctgct tctcctgctg ctgggacttg ctcccctgtc tcttcctcat gacctttctc 300

aagccaggga ggggnagcga gagtgntnag nctgggccct ggggcacaag aactagccag 360

ggtccctttg ctttcctgtg ttcaagccac ctgccatccc ccctngtcca tcctcctgtc 420

tcccgcccgc ctgcctagcc tggaccctgc agtgtggaga gacacataag ccttactgtc 480

ctctggggca ggagccgagc cttttgttgc t 511

<210> 6788
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<212> DNA
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tgccctttga gatgtattgt ttttgatggc tnccttnccc ttccactccc tntcccctcc 120

ccccnnnaaa aannnggaaa gaaaaaaaaa acagaaaaag ctgaaaagaa aaccaagatt 180

tgttagttta ctgtg 195

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<223> n is a, c, g, or t

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ttggaacaga gttgtttcct ttctgaattt caaagataag actgctgcan tcccntcgca 120

atatccagtg gggaantctt gtttgttact ntcattccca ttcttttcgt ttagaatcag 180

aa 182

<210> 6790
<211> 462
<212> DNA
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<223> n is a, c, g, or t

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ttggggtaac ttgatgtgag agatgtattt cttgggaaat taaatataag taaaacattt 120

taaattatat tttatatgca caggaagagc tagctatcag aggaaatcct tttaagacct 180

gttctgaact ctgctagttt tggctatcga gatgcctcac gggtgaaagc acttgctgct 240

gcatgaccct tctgacccca ggtgggctct ggagttcatg gggaatgggt anacgtgatg 300

gtgcacatct gtattcctag tgctcagctg tgaacagcta cccttnatcg tgatnccgca 360

gaaacaacaa gagagacctt gtctcagtga cgtggaagaa gaatcagtcc ccagaagttg 420

tatcctgacc ttcttttgcc atagcatgtg tgagcctgta ct 462

<210> 6791
<211> 83
<212> DNA
<213> Mus musculus

<400> 6791
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tcggtactct ttctccactc ttt 83

<210> 6792
<211> 399
<212> DNA
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tcaatctcag caccggctag gggaggtatc ttggtatctc ggtactcttt ctccactctt 120

tatggggtag gcagaagccc catgagaccc tgtggtccca cccacttaca gcagcataag 180

tgaaggatat cataatacca acatgtctgc aaagtggtgg gtctagagtc agcactgagc 240

catttccttt gganccttcc tttaaccacg caggactata aactgaatgg tgtatacatg 300

acagtcacag attggccttt tgcggccaga gagcccaact tggagacctg taccccaggt 360

gccagggtgc tgtcaccatg gctcccttga gcaaatgga 399

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgatgatccc agattgccag cgtcggttag aggctgcata tactgatctt cagcagatat 180

tagaaagtga aaaagacttg gaagaanccg aggagtataa agaancccgt gtagtgctgg 240

attccntaaa gctagaancn ngacattttt nnctgtatgg gatgtttttt tgcattaant 300

nctgggntcc attntacaat tcattgtttt canccactgc tgtgtttaat aatatgaaaa 360

cgtggttctt tttatgcagt tgca 384

<210> 6794
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<212> DNA
<213> Mus musculus

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tgcaccgtgt ctctgcaata aacttgtgcc gggttctacc tccttgtgca aagggtattt 120

tatacacggg ctctgggctt ccttcttgat ctgacatggt gcatctggag acatctgaag 180

gagtccaaat acctttgaa gcaaagtcag atgtaaagtc tgggggggctt ctgtcttcag 240

ttccctttg tactgctgcg ctgcatagga ctgtccatct gaatgaagag tgcacgctgt 300

tcccccgatg ccacgttgct gccttcagcc tctcccagga acctgctccc aagtgtccag 360

aatgcagtgc tgccnatcat tttgatatgt aactttcaaa tccagtctca tgcaatacaa 420

gtgtgtcagc ttcactgagc agggttcatt tgcccacaag tagaaatgct cgatcctcac 480

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<210> 6795
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<400> 6795
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ggctggcaac agttcctntc ctgntcatca cccatgatgg tggatttcta gacctgtca 119

<210> 6796
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<212> DNA
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ngtgcgagat gaacagtggg cagaagaatg aggagaagan tntnggaaca caacaagaaa 120

cgntttngnc cttcantcct gncgccctgt ntntngcncc agccaaggtg gggctgcagt 180

tgaaatgtgc agttgtgtgg tttggttact gcacagctga ggagtgaagg tggctggcaa 240

cagttcctnt cctgntcatc acccatgatg gtggatttct agacctgtca 290

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<211> 281
<212> DNA
<213> Mus musculus

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gaccattgaa tgaattgtat ttctactgtt ttcccgagat gtcagtattt tgcattgctg 120

tgtgtgcaca ctttacacag aagcacagcc ctgtgattct tacatggaaa catggtgaaa 180

tgttttcctg tacataccaa tcgcagaaac aacgtaagga ctagaaatat ctttcaaaga 240

atggaattag gtatttattt agtataaaaa gcctgtgcag t 281

<210> 6798
<211> 399
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ttaatgatgt agaactgcca ataatgttaa atatctgctg ctttgaaagc cagtggtggt 180

ggtcagtaaa gcagatgatt tgtgtctctg tgtctggcca cactgccaag tgaagctggg 240

gtaagtggct gtcagaaact tcaggctctg cttggaaaac ttggtaccac aaatgggtgt 300

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aataatcanc cttttacctt gtctgatatt gtcctttcc 399

<210> 6799
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<212> DNA

<213> Mus musculus

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aatggtggct tgttttcat 79

<210> 6800
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<212> DNA
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nnnnnntnng ttttaancnt anttnngnnn naaaggantn tttgaanntn tggatttgga 120

ngcgatccaa catggaaggt gtatantcca gctggacaag aaaggagacg tcatttcaac 180

gattntgtgg cagagtggag gagcctatac tgatttatga tagactatca a 231

<210> 6801
<211> 390
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tacttttatt ctggacgctg gtgatcctgt tccgtcctgt gaacactgcg aaattgccca 120

ttcttgctga agctgcagaa cttgaacccc ctttgggaaa tatgttggac tttttctttc 180

caacaaagcc tacacaggtg ctacgggtgt ttggccttgc tgcgatcagc attctagtcc 240

tgggatttct gcctatgtgc tgctgctcca tgtgctggag gaggaagagg atgnacagga 300

tgttgaaggt tttgaagaaa cagaaatcaa aagggaagaa gcctaaagga aggaaggcgt 360

cagaagagag agctttactg tcccattgaa 390

<210> 6802
<211> 520
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccccagaagt cacaccatgc tggtggtgaa taagtgaggg ctgatttcca gtgtgtgcca 120

agaagtaaca tgattgaggt aggtgaacct agagataaaa gagttcttat gatttagtat 180

tgaaaaaatt ctggttttac gatgttgcat ttgattcttt tcacttgaaa agtcatgttt 240

taaagctgta aattgcctat gtctaaggat ttagtaaaat gtcagagatc aatctataag 300

aaaattcaaa cattgttttt atatcttagt agtatgtcat tattttagac ctcacaatcc 360

ctaatttaac catttcggca agtnccttg acacntacgg agtattatgg gagatgangc 420

aaatgtagtn ccacaccccg tttcccggct tctcaatgcc tcgtgatggt atatgtttaa 480

cagtgctgca cagttcagtt ctttgtgttc atacgagatt 520

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<212> DNA
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<223> n is a, c, g, or t

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ccagggtcgt cctgaaanca cccacccatc tcttcagtta cctcctctgg ccagaaggtc 180

acaccactgt cctccagagc cactctgggg cccatactgg ctgtctggaa gcctaaagca 240

gcagcctgca gccagagccg agggttctag ggacttgtcc ataggaaggg gtggcactat 300

gtataccctc agtgagtccc tttgctgcag cctcctgaac cagttcatga cactgagtgc 360

aaaaggtatt ggatacctat ccctccccag ggcttcacaa gacatgtctc catgaataga 420

cacgtcactg gcccaga 437

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cctttgtacc aagagactga tacttaggcc caggaaataa atgctg 106

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gttttttgtt cttttgtttt tttttgtttt tgttttgttt tgttttgttt tgttttgttt 120

tgtttttttc tctcatattg agaccactag atgagactag agttctaact ggtctactct 180

ggtgtaggta gattgttctg agccctctac ccaggttctc actggttgct gctgggctcc 240

tgactattgt gtgttactta taaactgtct aaaatgcacc tttgtgccgg agaacaagtt 300

gtattttgtt tttaattata acgagccagt tttctaagct ttgtctacta aaacaaaata 360

aaaacattat agtctgattt tcacnaaagt atnccaactc ccttttttg tgagnatata 420

tnccattcct ttgacttttg taacattttt aaaaatccat gatatagtat agcttccagg 480

tttttcagct cttgtatgcc cattggttag taagtctgaa cacactatta tgtatccatc 540

caatctcaac tgaa 554

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aatttgtgaa catgtacaga gttttatata aatttaaacc aatttttaaa acaaaactga 120

acacaaccac cataaaatgg aatcaaagga aagttaattt atgaaataaa gaggtcaaca 180

gaatacannn nnnncagtgc tggaagacac ttgggagagt cttttcaatt gaacgagaat 240

gatcgtaatt taagactatt atcctggttt tacaacagtt acctgtttac aacagactgt 300

gccctntctc ctctgcagct gaggaataat gaatggattc tgattagaga gaaggctgcc 360

gtgaggccag taggcaagtc cttggatctt atgcacgacc ttagaccatt tgaatctgtt 420

ttatgcttaa atcaaagtgc tttgatcaaa tgtataatct gccatatctt tacatatttg 480

<210> 6807
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<223> n is a, c, g, or t

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ctgtcccacc tgcttctgca ggcaagagga aaacagagcc atcggcttgg actcaagaca 180

cntggtgaca ctaatgcaaa tgggaaagac tggggaagga attggagtga tcgctcaata 240

ttttctggca ttggatctac tgctgagcca gtttctcagt ctaccacttc tgattatcag 300

tgggatgtta gccgtaatca accttatatc gatgatgaat ggtctgggtt aaatggtttg 360

tcttctgctg accctagctc agactggaat gcaccagcag aggagtgggg gaactgggta 420

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tcagatgatg ataaagaaaa aggggaggga gctcttccaa ctggaaa 527

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccttagacat cagacaggat ccctttatag aatagccaag taagaaacca gtgtaaaagt 120

aacttatgac ctgcactcct gactcactcc agggtgaagg gcagacctat ccaggctttc 180

tgtggaatgg cctggaatcc caggaaaggc ctgcactnga ngagctcnct tccncagcng 240

taccnattng gatcnaggct cnactgtccc ctggngtgtt cacagacttg ggtccatcca 300

agcgtgagaa ctgtctagca tgggcttctc cttttgactc tggaagcaag agtcttggcc 360

ctcaggcctg ggacagatct tcctgccaaa atgatcataa ggtctccagt tagcctagtc 420

ccagtcccag ccctagtccc agccccagcc ctagtcccag ccccaggtcc catcctccaa 480

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gagaggtgtg tgtggtgctg tcagcctgag tgcggggccc aggctgcgcc tcgttcaacc 120

acatgggcag gagagcagtt acagcagggg gctttagtgt tcccatttgg gtccctcagg 180

tcacttgctg attctcagat cttgagacgc tgttcctgac atcttactta tatctagggt 240

ggctgcgtag catcttattt atttatttat ttatgtaaga gtaataaaat nnaannaggt 300

gnancctcag gntcccagaa tgtntctggt ttctttantc tctcancaga ncnattagga 360

aacaacagan catagctcag aacgnaaagt attctgaacc ctgncttcgt gatccggtac 420

agacctctnc attcattgaa attcttagtg cagctgtgtg ctttntcctt cgacattttg 480

aaaactgctt gcacatttaa gatcttagga cntcagcagg antctcaact cantcatttc 540

agaggctgaa acgtttttat aaa 563

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<222> (114)..(114)
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cttcgctcct ccgccaccgt gcagtcctgt tctcgaagcc tggccaccca ggcngcctca 120

gccactcaga aagcccacaa aaaaaaatcc tgtcgcccac ggaatcagct gttgggatt 179

<210> 6811
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<223> n is a, c, g, or t

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ttccctgcag gtgagttaat aangggaagg ctttattgga aaccacnttc actcacctcc 120

aaagaggagg agaacccgga ctaatccgag tccncacctt acttccaatt tgcccttctt 180

cctcagcacg atcttccaaa ccctcttgct gcaaagggtg tcccaacctg tcagcaatag 240

accagcantg tcctgccccn tttnaaggta ctggttncna cccntantca ggaccagaac 300

ttcannttnt ganggatgca taccnantnn gantggggtg gggctaacca agncancagg 360

aggnnagcac ttggantncn nnnnntngtt agctattctg ncctntccct gtaggctntc 420

cattgatcat cancctagag gtcntcctgc ctgctaaaac ggtctgatta ttttctggga 480

ttttggtagn ccaactggcg aaccatgggt gttccttaca atccgccaca catttgtgg 539

<210> 6812
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttgaatcaa acgagacgac ctaactttgt tcttgagtcc gatgtctcca acaagccaga 120

gactaagtct ggaagccccc agcctcccac tgagaagctg gcatccgtgg aacaagacta 180

agcagaagca agaagccttg cctctg 206

<210> 6813
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<212> DNA
<213> Mus musculus

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aaggccatgt gccccattac ttgttggaac gcagggaccn gtggncggaa ggaagcngga 120

annctcngcc agcgtancca gccagacccg tccatgcccc cgggccacac actcatgcct 180

gagaatcagc ggctggagac cctgaacaat ctgctacaaa gccagagcca gctgctacgt 240

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ctggaccgga ag 312

<210> 6814
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<212> DNA
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<223> n is a, c, g, or t

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gactgggcca gcctgatcga tcaccctccc aactgcgatg tgtatgtgaa caccagtaca 120

cnggacngtg gagtagaggc tgctagttgg agcacacttt ctctgaagan gaggaggggg 180

tgggggtat gacattttcc ttccctttc cagtgaanat aactcttacc ccaccccaag 240

gccctttccc tttgcttcct tctngcttga nagaaagtgg ggtatttagt atcagctcct 300

cctgttcntc tnccctccct tntcccatcc tttggagagc aggactagta catgcactga 360

gcaccgcact ttcttaggta aggaggcatg tttgaggcag gaggctgagg agtgaagtcc 420

agtcaagcag gtacaattcc acctcccctt ctancccca aaagacatgt ccagacatta 480

tgattattat attttttttt caatgccagt gctgctcanc cctcagcata acttcagttt 540

tcat 544

<210> 6815
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctttccaacc aatcacaccn cctttnnttt ttttttttt taaaaggaaa agacaaagga 120

aggtggaagt ggtgtccctn ccctccctgc acccatgtgc ctgggncttc cccgtttcct 180

gttnccactn accctattgt gtntctacan ccacctnacc actganccgt aagacaagtg 240

tatagggaca gggtctctgg aacacancct ttgtaaggga ttgaacactg ctttcaggtg 300

cattgagggg taatcaatac ttatggcttt atgagggctc ttaaatttn tctgaaaaac 360

caaagggctg tgagt 375

<210> 6816
<211> 423
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<223> n is a, c, g, or t

<400> 6816
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tacactcatg ttggacacag gcctgccctg ttttcgtggc cagacaatca aacttttgaa 120

acacaggttc agcccgaaca tgacagagcg ggaggctgcg aattttatca tgaaggtcat 180

ccagaactgt ttcctcagca acaggangcc ggacctacgn acatgatcca gtactaccag 240

aatgatatcc cctactgaga agcctancct agcacctgaa gccttgagtg tcacagagca 300

actcgtcctg ccaccgtagg cctggctgtg ggggcaacgg gcacatggac cgttgatgca 360

cacgtgtgan tctctttcac actggacaca ttccgtttgt tcacccgtca tactacattg 420

gta 423

<210> 6817
<211> 478
<212> DNA
<213> Mus musculus

<220>
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<222> (114)..(114)
<223> n is a, c, g, or t

<220>
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<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<400> 6817
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aaagacctgc cccatgacag ttgttgtcca gtgtcttcac cctgagaata accnaaagtt 120

gcagtagttn ttttttctt tnttaagtgc atttaagaat atgtgtggtt ttgttgtgga 180

acagtggagc tggccattat tacatgtgct cagagatcaa tgcctctgga atacatttga 240

catctgtttg tgtttgcttg ctttgttttt aaggggatct ttccctgtgg gtggtgtcag 300

aatttggaca ccttggtttg ggggtaggtt gagctgggca gctgcaatca gcttgtttat 360

gcaaactggg cgtgagcctc tctgggctcc tggttgatgg ctaatgctgg gagggaaggg 420

tcagccccaa gtagaccctt cccgtgggct ttggccaggc cagacacaac atcgttta 478

<210> 6818
<211> 549
<212> DNA
<213> Mus musculus

<220>
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<222> (409)..(409)
<223> n is a, c, g, or t

<220>
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<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

<220>
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<222> (464)..(464)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (466)..(466)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (517)..(517)
<223> n is a, c, g, or t

<220>
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<222> (519)..(519)

<223> n is a, c, g, or t

<400> 6818
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tggttttctc ttcactcatc catttcttca gctgcatgat aagtctgtca gtaaagcatt 120

taaccccaac aaggtcagac tatggtaaag ttagaaaaac atatttaccg aagtacacaa 180

ttgatctcat tgaaataaga agtgagaacc gctctgttga gcactgaggt gtaaacgtgc 240

ccagatgcac agcgtgagta gcttcgagta cgcatctgtt tgcacatgtt gtagaagctt 300

aaaatgggaa catgaccctg ctgtggagaa ccttggtaga attgttgtta gtactaaagg 360

agatttccag cgcatacagg gtggcactga aaactgctga agcccacanc cctcancccc 420

gaaggctcag cggccagtac cagcgncctt gctgtggttg tgtntntgcg tccctggcac 480

acttgggcag gcagctcagt cactctgaac ttgcttntnt tctgtcttgt gagtgtgctg 540

cttgagaca 549

<210> 6819
<211> 465
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
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<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<400> 6819
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aaaacaacca accatccact tcctntgggc tctgtcccat catcctgtgc tgaggacagt 120

gtccagtctt gactcactga taaagtttct cccaactatt ntgggttttg acacagggtt 180

tccctgtgag gctttgacta ttctggaact ctcagagatc caccagcctc ttcctcccca 240

cactgagatt aaagacccgc accactacca ccctgctcct cccgatttta aatacactgg 300

aatgtcttgc agtgtgggtg cactgtcctg gtgtttctgt ttctcagtat tagtgatgcc 360

cgtgggtaaa ggatagacta ggaaaccagc cttcatccct accacttgct gtagcagtca 420

gtaaggtggc cattctccag tgtcttttcc accaagtgcc taaag 465

<210> 6820
<211> 462
<212> DNA
<213> Mus musculus

<400> 6820
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aaaatgagca tgtaataatg tttacatctg tccatatcac atttagcctt catgccttaa 120

tccacaatga caggactgat gcattctttg cggaatgggt gtgttgaatt cactagtttg 180

aattcgttaa atggaattga acagtggttt ggaaaccgat ggagacagag cagagggcac 240

tgcactgttg ggcttctgca gagagtttgc agagtagtat tcaggtcaca agcccttcgc 300

acgagtgcag tggagctcca ggggctctca ttggtctttt ctctttatga tacaatgtgt 360

gcgctgtgtt agcatctcac ttacacagac gctcatgaca tttggtgttg gtggtcagtg 420

cctattgctt tattcttagt tacctattgt agctagctct tt 462

<210> 6821
<211> 507
<212> DNA
<213> Mus musculus

<220>
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<222> (46)..(46)
<223> n is a, c, g, or t

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acagttctct ggaactagtg ggtcacttgc aagggatgcc ttttgttgtg gatctgcctt 120

tctggaagtt acccagagag ccagggaaag ggttcagtca acccctggag ccttcttcca 180

tcccttccca actcaacatc aagcaggcct tgtatgggaa gttgtctaaa cttcagctca 240

gtcccaccag ctttaattac tcctctagct ctgctacctt tcccaaaggc cttgctggtg 300

gtgtggtgca gctgagccac aaagccagct ttggtacagg ccacactgca tcactgtcct 360

tacaaatgtt cgctgacagc agtgcagtag aaagcatctc tctccaatgt gcatgcagcc 420

tgaaagccat gatcatgtgc caaggctgcg gagcattctg ccatgatgac tgcattggac 480

cttcaaagct ctgtgtattg tgccttg 507

<210> 6822
<211> 164
<212> DNA
<213> Mus musculus

<220>
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<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

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<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<400> 6822
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tacttgtcac acagtgtcnt cctttgtata attatatgcn tcgttgtagt ttgcagcttc 120

ntngggtttt atgtgcatgt gaatggccta gagaacctat tttt 164

<210> 6823
<211> 449
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<400> 6823
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gtctgaactt cagtgcttac acaggccctg tctcaggaac atcttaacag atggcaaaaa 120

aaagtgagca gactttacga atttttctcc tatgagtggc aactaaggtt cctgttgttt 180

ggaaaaaaca ctagtggtat gtccgctact aattcagtgt tggaggaggc accagccata 240

tagtaggggt gtntgtgtgt gtgtgtgtgt gtgcgcgcgc gcgcgcgcgt gtgtatttgt 300

ttaaattcta ctgtatatca ccatgaaatc tgtctgtttg tcttgacaat gtttaaatga 360

tgtagattgt cttagaatga atactcagaa gtactcagaa ctccgattcc gatgccaccc 420

gagaggagtc agactcctgt catgtatat 449

<210> 6824
<211> 259
<212> DNA
<213> Mus musculus

<400> 6824
catctccatg cgtctggcag aacatcgccg catccacacg ggtgagcgac cctactcctg 60

tcctgactgt ggcaagagct accgttcctt ctccaatctc tggaagcacc gcaagaccca 120

ccagcagcaa caccaggcgg ccgtccgaca gcagctggca gaggcggagg ctgctgtggg 180

cctggctgtg atggaaactg cagtggaggc tctgcccctt gtggaggcca ttgagatcta 240

ccctctagct gaagctgat 259

<210> 6825
<211> 300
<212> DNA
<213> Mus musculus

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<222> (121)..(121)
<223> n is a, c, g, or t

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<222> (143)..(143)
<223> n is a, c, g, or t

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<222> (145)..(147)
<223> n is a, c, g, or t

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<222> (149)..(154)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (201)..(201)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (243)..(243)
<223> n is a, c, g, or t

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<222> (246)..(246)
<223> n is a, c, g, or t

<400> 6825
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gtcggcagtt ccagtcacag ctggctgacc tacaacagct gcctgacatc ctcaagatca 120

nggaggccaa gctggctgag tgncnnnann nnnntnnnng gnntacgaga ggaagaacnt 180

nnacntnaca nccntcattt nagacctgcg cagccgggta agggannngn nngaaggnat 240

ccncangaac tggcccgagc aggggcccgc ttaccgagat gagctgcacg ccccccaagg 300

<210> 6826
<211> 506
<212> DNA
<213> Mus musculus

<220>
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<222> (353)..(353)
<223> n is a, c, g, or t

<400> 6826
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tggagagctc tgacacgcag tcagatgacg tgccagacat cacctcagat gagtgtggct 120

cgccccgctc ccatgctgca gcctgcccct ccacccccca agtccacggt gcaccgagcc 180

caagtgccca caagaacctc gctgctccag ctgagggcca gactgtcttg aagtcagaag 240

agtatgaagt ggaatgaagg cccctgttct gagaagcaca cttgttgtaa ctgcatcttt 300

tggaatcttt ttcgggggag ggtggggatt tatgtatttt gtttcaaaga ttntctggtc 360

agggttcccc cagggaagtt ctgagaaatt tacaatttct taccagataa aaaatgaaat 420

ttgcctctag tatccctccc cctatcctct cattttagt tttaatttat tggctaaact 480

gatgttggca atctgtgagg tgtgtc 506

<210> 6827
<211> 544
<212> DNA
<213> Mus musculus

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<222> (184)..(185)
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<222> (188)..(191)
<223> n is a, c, g, or t

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<222> (194)..(198)
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<222> (213)..(230)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (365)..(368)
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<222> (385)..(389)
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<223> n is a, c, g, or t

<400> 6827
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cccccaaaac atatccaggg cctggcctag cttgagctgc cacacaggga gaattaagcc 120

tttctctcca cacactgcct tcctcgggac aaaagagcct ctcagctgct tttgtttctt 180

ctcnntgnnn nttnnnnntc nnnntgnnnc ttnnnnnnnn nnnnnnnnnn gctgccttgt 240

accttcaggg ccagcccagg agagagaggc agagcaatgg agccccaggc tgctgtgagc 300

catccggaga gagcagtatg tatgcctcga acagccatat tggatcatac tgatcattgc 360

antcnnnngn nnnntnnnnt tcntnnnnng gacagtgact ctgacagggc gttttgtcaa 420

gctntcttcg aaagcttgac tactacatca tgttaccaag ccctgagcag actggtgggg 480

aggagaaggc gtctctggtg tctgaataaa gctcccatca ggcctagagt ctgctggttg 540

tcct 544

<210> 6828
<211> 542
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (372)..(372)
<223> n is a, c, g, or t

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<222> (413)..(413)
<223> n is a, c, g, or t

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<222> (423)..(423)
<223> n is a, c, g, or t

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nnnnnncncg nnngagaccc attccacagt ttaaagagac ccaggccacc ttttgttaga 120

ggccctccgt tctttgcacc naaacnccca ttcttccctc ccaggtactg atggaaatct 180

ggggaaggca ttttgaacag tctatagaga gcattggaag tagcagtttg ggtttttgtt 240

taaatttggt tttcctttct tgtttttttt ttnccacttt gttttttttt tttnntntnn 300

ntnntnntnt tnnnnttnnn tttnttttnnn nnnnnanggn ccctccttcc aaattcagaa 360

agcatacatg gntaacagtt tgctattatc cagtcctctc tccacactta ggncctttcc 420

aanttgtttg tatttttttct ttaaaaaaac aaaacacaca ggcataagta aacataacca 480

aagccacatt atttggctgg gggagtgggg aggataacag tatttatccc atctattgag 540

ag   542

<210> 6829
<211> 169
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<220>
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<222> (128)..(128)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (136)..(136)
<223> n is a, c, g, or t

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tagggtccct tctgactctt agctcacttg gtctgttctn nagganccat catggaagag 120

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<210> 6830
<211> 299
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (43)..(45)
<223> n is a, c, g, or t

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<222> (47)..(47)
<223> n is a, c, g, or t

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<222> (52)..(54)
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<223> n is a, c, g, or t

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<222> (110)..(110)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (254)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

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ttgctacttg gatgttgggt gttcaagccc agaagccccc tccgggccan atggacaacn 120

ccgccctttg atccgcgctt ccctaaccag aaccagacgc gtaactgcta ccagaatttt 180

ntggantacc accggtgtgt gaagaccatg antcnccgcg gaaagagcac acaaccctgc 240

gagtactatt tccntgtatt ccattcactg tntcccatca gctgggtgca gcgctggaa 299

<210> 6831
<211> 546
<212> DNA
<213> Mus musculus

<400> 6831
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gatgaacaat gatgtctatt tcacatcact agagttcaat aactaagtta aaatctgact 120

aagtcaaata cgtatgagtg gatgaaaaag tacacataca ttatcaacta tgatggcttt 180

tccagaccgg caaaggtctg gaaacacaaa gttcaaaaca ggtagctaca ggataccttg 240

acagacagtt cttcaagttt aaaggtagtg ctctgagaag agtcataatc tggggcttta 300

gtaaagtatg ccagctcctg agttagcaaa ggtttgctcc caggccccca ttctaaaaac 360

aggctagccc ttctttattt aggactttcc taaggtttca catacaaatg gaatctcaac 420

tagttttcat tatctgcatt agcgtcctat tatacaatga tttactttgc cagtgactga 480

cagtactgtt atccatgata ttttctgtat tggttccttt tggcacttgt attagttcat 540

cttcaa 546

<210> 6832
<211> 530
<212> DNA
<213> Mus musculus

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<222> (347)..(347)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccaggttcat ccaccccaat gatgttctca agattctgga ggcctttgtc acggggctga 120

agaagcctaa ggacgctcag ccagtactga aattgaagaa agagactcga gataactcga 180

aggacacgga gtactgggaa tccctggctg cggttattcc tttcttcaag cagaacctct 240

gggatgcgct gtacaaggcc ttggagaaat actatctcgt gctgaccgag agggccaagc 300

tgctgatgga gaatgagtct ctggagcagc agaatgcaga gatgcantcc ctgctgcagc 360

agtatctcca ggccaaggta aacacagaac tgcagatccc accaactcag ggcttccgga 420

tgccctcaaa atgaagaagg atnttcaaag cctggtntca tggagtctac acccatctct 480

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aaggctatct gtgatatttt aaaaaatact gcacttttcg tatttcctag caggtaagaa 180

aacacttgtc acaacactac taggtttctc accgtatctt gtttcagtct ctccagcaat 240

tccttctcaa nagcatngtc cagcngggca gctatnaatg ctttttcctg taagaaaaga 300

ccaaaccatt actccatcag gactcacttt ccagcctgta cacatacant cccctatgtt 360

taataagggt atgacgtggt tgtataccag caaggctttt gcttttctan ccnagataca 420

cttctttctc tctcaaagcc tcttgggagc ttttcaatta g 461

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<212> DNA
<213> Mus musculus

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ttttgtattt tcaagatggc agggaggtga tgtgttggtg gccaggatct cttgaagttg 180

ttgaagaaag ggaactgttt tcagtctgct ctggtactat gatcttatgg gtctaagcct 240

cagttagcgg gaatgcccat ggaatgtgtg attctgctta actgaagaga agtaaagact 300

gtgtagtaac cattccttaa ccagtgttgc atgccagagg taagttagtg ctttctgacc 360

attggggcat tcgcatgcct tgtgctttac tgaacaactg taactgaatg tagtcatgga 420

aggaacaaga tacggaacca ctcactgaca ttgggacatc acctggaat 469

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<400> 6835

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ccagtcatgc catgctgcct agactagccc aaacaggcct gagatgcaaa gggcccaggg 180

gcctgcagca gcagaaaact atggctcttg gttaagagta gccttggttg agatctcacg 240

gcctgcgggg tctgggtagg ccaggccatg tggctacagc agaggctggg tgggaagccc 300

cgtccctgaa agaaggactg gctgcctaag aacccacaca tccacggcag gacatgccag 360

ccacaggact gcagaggcag gtctgcctgc taagcgacag ccctacaaac agccgggcag 420

aatccacatc acagtgcaac attgaggact tggcactccc cttgggcagg accagatacc 480

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nacnaaaatn aatgaancna tnttaccnnn nnnnccntnn ntnnctnatc caaagacaga 120

ccacagacnt gggannaagt tgggagatga gcacatgagg atntnagctt ntnacctgcc 180

tagtgatggg aaccattaca ccagcatntg cttggaaatc agatntcaca ctttgaaggg 240

agaaccccag gagattgact atgttntaga gatttaccac cgctgctttt t 291

<210> 6837
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<223> n is a, c, g, or t

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aangaacgtt ttgccagact ctcagcaaca acacaaagtt ttaaaaacag tcaaagtaac 120

ggagcaatta aagcactgca gcgagattct taaagaaatg cttgccaaga aacatttgcc 180

gtatgcatgg cccttctata atcctgtgga tgctgatgct ttgggactcc acaactacta 240

tgacgttgtc aaaaatccca tggatctcgg aacgatca 278

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<212> DNA
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ctttttgcct cttttaaaac ttggtggtta tttgcggtta tttcagaatg gtgtagctgc 120

tttgggnctc ttccccgctg gcccctgtgg cagctgcctg cctcagaaca ggcgttcctg 180

gggagcagag gtgccccagc gatggatcag ctatgtgaag accctggagc cacttgtagt 240

tttgcacatt tctttttgag agtgttactt gaatctgtct taactgcagg agagacttga 300

agatcataga gggaactcag acatcttagt gttagcgcta gcagtgtcat gtagacagag 360

gaaaggagca tgggacagaa cnccggaggc gtgaggcgag ntcttntntt ntcttccttg 420

gtgactgtgt atccagtnag gggtggcgct gtgctgtatg agcattaaan tctgtggcca 480

cctgtcactg gatgccctgt gtntcttcat ttctcactgt gcacttgatg ttaccatat 539

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<212> DNA
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ctgagaggtt gtgctgacgg gatccctatt tattattttc atctacttgg tacgaagttg 120

atgagccatg gacagttttc tacagcggtt cctagagaac agagaagatg ctctctcccc 180

tgcacacatg gatgctgggc atgacatatg caggagtgag tcctgtgctt tcatgggcat 240

ggctgctgtg gccctgctga ccactgagat cctcagaata agggacacca tggagtgaga 300

tcctggcctg tggnccctc acttgaagtt cttcagaata agttaaatgt gatctgctct 360

ctggcctccc ttcacccctg tgcacattgc ctgatgcccc atgttggccn agctgtaatc 420

gtgcgtgatt atagggccaa ggctcattcg ggtcagggtg tttgaatgtc ttcat 475

<210> 6840
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<212> DNA
<213> Mus musculus

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ttcatggaga atgttcagaa ggttgagtta cagatacagt aagattggtt agaa 114

<210> 6841
<211> 141
<212> DNA
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<400> 6841
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agagagaaat ggcaggctct catggtaacc ttttcagtta cgtatgaaaa ccctgctcat 120

aggccatgag aacgtgaaag g 141

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cacgtggaag acgtggacat tgacgaggtc cagtgcattc tggccaactt gatatacatg 120

ggtcacatta aaggctacat ctcccatcag catcagaaac tggtcgtcag caagcagaac 180

cctttccctc cgctgtccac agtgtgctga tgcccaggcc ttgccaacag cgtgctcctg 240

cnaccnctgc ccgctggagc tcacatctcc tggtncantc nccagcacct gaggcactca 300

ctntggtttc cagtntccta actcatncca nccnnnccna gacctggagt tctttttcaa 360

gatggaccaa caccctgctg ctgncctgtg gtgctcctga gcgtccggga aggagacagc 420

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<210> 6843
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gtcggtatct tgttatgtta cttgatttgt cattactaag ttattgtgtt acaa 114

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atgtgtgtag aacctggtgg gccaccgttg tgcaaatta 159

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<211> 229
<212> DNA
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aaaactctac acagtgcaaa gctcagagac agctggggtc ccctggcccc tgccagggcg 120

ccttgaggcc gcagacactc catggcagac tagggtgctg cctctgccag gcgtgccagg 180

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gcccagggct ggaaactcaa ggcccagcgc agcagccaga aagtaacaaa gactcccagc 180

ctgacccaca gcacgaccca tagtgacatt ggtgagagnn ncaatgatac cccgggccag 240

actccatggc ccagcaaggc tgctnatnnc ttaagcttca gtgagatctc ntcaacagat 300

ntnagcagta ntgaaagctt cttggaactg actaaccttt taactcagga antccaacan 360

atcccaggag acagagagaa gctcacctct gacgattaac tactccctca aagggccaat 420

gaanccccttc ctgagcaatg aacagatttc agccaagctn cctcctccca ggacagtaag 480

aaactttggt caatgttcta ataccaaggc taa 513

<210> 6847
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tcacacacat cccnttttcc tctagtagga ttnntgagtg cataattgta gnnctcagnt 120

gaanttcctt ntgctncact ntnnncctnt ccctgantnt ntcctntggc ccaagcttan 180

taaggtgata atgagtgntc cggatnctgg gcacctaagg tntccagntc cctggagagg 240

gagggatgtg ggggggctag gaaccaagcg ccccttttgtt ctttagctta tggatg 296

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ctgtggcttt cccaagaaaa cnctgttnct caaccaagaa aatcatgtag ggncagttct 120

tntcatgtgt cgccagacac nctggacaac ccctccttgg gtattntggg ggctgttgct 180

gccaggaagg aggacaagga ggatgaccct nggcagctca ctctcactct gctctctacc 240

aacgttnccc agggactcnt aaaatcntca gggacagttg aggctcagcc tccagtcccc 300

tctgtgtgcc aagagctggc ctcgattcaa ggttgctcat tacagttaat ttgggccatt 360

gncctggcat cttccatcct gtatgccctc catccatgga agggggctcc cttattgtgt 420

ttgcctgc 428

<210> 6849
<211> 576
<212> DNA
<213> Mus musculus

<400> 6849
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ccacctaaga ttgttctgtg gcttcatgag gtaggagaca gcaaacccac ccctccacat 120

acattatctg tgactcttac ccagtcatat gtctcccttt tcctgtgtca gcttgcgtcc 180

ccatccctgc tttgtcttcc cacttctgtc atggcagggc agcagaaaga ggcccatctc 240

caccaggtct ccctccagca gcctccttcc ctctctcagc catggatggg tcccagacct 300

atctcagcct cctcatcagt gtcttcatga gaggctgagg acacgtgaca gagctagccc 360

agcctccatg ccctctggca cttcagagct tctctgttgc cctctcactg cttcctagca 420

gtgtggcaca gaactgcact cagaacatag ttttggcatt cttcacatcc aagactccag 480

cccttcctgc tgcccagccc tactgtccag agtgtctctt gggcctgaga ataagtgggg 540

tgggaagact ggggccatgt tgggtttttt cattca 576

<210> 6850
<211> 534
<212> DNA
<213> Mus musculus

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<222> (355)..(355)
<223> n is a, c, g, or t

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<222> (358)..(358)
<223> n is a, c, g, or t

<400> 6850
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ttgtgaaagc attttagtgt ttaaatctta gaaactatga agcatgtatg ctggaaaatc 120

tctgaaaatg tgacaatgga gaaaaatttt caaattgttc actagcaaat attccataat 180

aaagacaaag tagagaagcc agaagaatct gtaacacttc tatggagact gaaacaatcc 240

atttgagagg aaatctgaat atggcggata atatgactct caaaagagtg ataccagtaa 300

gcattctgta tgtttaattt aaatgaagaa actcagacaa atcatatttg ttaanaanga 360

ggatttgata aactgagcca tcaaaatgcc agtattccta cagatagaga ttgccctcag 420

tgtcaagtat tcataatctg tatcatatgc tggtttcaag tttcaggata gaaactgtct 480

ttgagtccct tgggctctga tcaccaactc cttccccaca gtcgtgtata tata 534

<210> 6851
<211> 174
<212> DNA
<213> Mus musculus

<400> 6851
ctggctccag tttgttcctg ttcctggatg tgcgtcgtgc aagttgattc tgtacctggt 60

aaaacctaga acacacttgt gatgtcacct cttggatgta gttgtgtttg taaggatcta 120

agaagtcatg gtgttgtcgg tgttgagtgc ttggaataaa tgaagagcag accc 174

<210> 6852
<211> 459
<212> DNA
<213> Mus musculus

<400> 6852
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tcccttggga agggcatccg agagcccgtc agtgtgggtg ctctttcaga aggagagggc 120

ctgggagctg atgggcctga gcagaaagaa gacacctttg acgtcttccg ccagcgcatg 180

atgcaaatgt acagacacaa gcgggccagc aaatagatca gagccactgg cgacagagat 240

aagcctcgaa gcagccttgc ccttcccgtc accctgcccc ggacgcctgc agcctgagcc 300

tcgttccagg gtcacatcca caaggaccat ggattccaaa agttgtgctg gcctggcctg 360

ccctggctcc agtttgttcc tgttcctgga tgtgcgtcgt gcaagttgat tctgtacctg 420

gtaaaaccta gaacacactt gtgatgtcac ctcttggat 459

<210> 6853
<211> 251
<212> DNA
<213> Mus musculus

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<222> (68)..(68)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (75)..(86)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (127)..(127)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (152)..(152)
<223> n is a, c, g, or t

<220>
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<222> (156)..(156)
<223> n is a, c, g, or t

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<222> (158)..(158)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (185)..(185)
<223> n is a, c, g, or t

<400> 6853
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cagcccantg annannnnnn nnnnnncngn nnnnnggnnn nggnnnntcc tngntncntc 120

cnttnancac acnttccatt tgctaaaccc cnacantntc ccccagantn tagantcgga 180

agcancctca ttttgggttg tgttttgttt ttgtatagga gcccaggcag ggctggtaac 240

acttttaaa t 251

<210> 6854
<211> 92
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (35)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (39)..(40)
<223> n is a, c, g, or t

<400> 6854

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cttttgtaac ttgttgccac cgcacaaaaa ta 92

<210> 6855
<211> 355
<212> DNA
<213> Mus musculus

<400> 6855
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tgaaacggat taataaggaa cttagtgatt tggcccgtga ccctccagca caatgttctg 120

caggtccagt tggagatgac atgtttcatt ggcaagccac aattatggga cctaatgaca 180

gcccatatca aggtggtgta ttctttttga caattcattt tcctacagac taccccttca 240

aaccacctaa ggttgcattt acaacaagaa tttatcatcc aaatattaac agtaatggca 300

gcatttgtct tgatattcta agatcacagt ggtctcctgc tttaactatt tctaa 355

<210> 6856
<211> 556
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

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<222> (36)..(37)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<400> 6856
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tgacacatga agatgcagta gctgccatgt ctaaagataa aaacaacatg caacatcgat 120

acattgaact cttcttgaat tctactcctg gaggtggctc tggaatggga ggttctggaa 180

tgggaggcta tggcagagat ggaatggata atcaaggagg atacgggtct gttgggagaa 240

tggggatggg gaacagctac agcggaggct acggtgctcc tgatggcttg ggaggctatg 300

gtcgtggtgg tggaggcagt ggaggttact atgggcaagg tggaatgagt ggaggtggat 360

ggcgtgggat gtactgacaa caccacccca acgtacacnt cctaacacac ctgctctact 420

agactttctt acagatttca tttcttttgt atttcaagaa ctttataacg actgaaggaa 480

tgtgttatat tatttggtaa agcaacagac tgcgatggga aaatctgttt tctgtaggtt 540

gtttcatttg ttgcat 556

<210> 6857
<211> 214
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

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agcactggaa ggctgttaca gtnggcagac attgatccaa ctctccggcc cacccacctc 120

tcgctcatgc attttaagag tttgtgtgat gtatacagaa aaatgtgtga tgaagaccca 180

caactcttta cttataactt cagagaggag ctca 214

<210> 6858
<211> 552
<212> DNA
<213> Mus musculus

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<222> (31)..(31)
<223> n is a, c, g, or t

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<222> (92)..(92)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (287)..(287)
<223> n is a, c, g, or t

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<222> (320)..(321)
<223> n is a, c, g, or t

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<222> (338)..(338)
<223> n is a, c, g, or t

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<222> (342)..(342)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<220>
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<222> (443)..(443)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (477)..(477)
<223> n is a, c, g, or t

<400> 6858
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gccgctacac atcaaaccac gcctgtgagg cnccccctgag gaccagcccg cacctacctc 120

agaccctcac ccctggagag gatgaaggct ctacccacaa ntgctcctga ggagaagcag 180

nctgccactg agcccagctg gggctctaac caggagtcat agctcctccc acttggctcc 240

tagncctctg gaggcctttg tgtgcccagg ccttgttctc cctcaancca aggccctgtc 300

cattccctgt tcctctcccn ncccctttctc ccctcctncc cncnnnnncc cnncctcccc 360

tccaaggcac ccancctcac tntaggactt gtccctggct ccccatccat cagggtgcca 420

tgtgaggttc atcccagcct ntntcctgtg gtggcattgg cagctgtagg actggtnccc 480

ccaaccctcc ctacccagga ctcctgccca gggaagaggc taatggccag gcctctctgg 540

tgggtatttt at 552

<210> 6859
<211> 273
<212> DNA
<213> Mus musculus

<400> 6859
acattttcac aaagctcatt gccaatcact gtccccccga agcaataaac cgtgacagtt 60

gctttaaatg tttgtgggca actgctttca tctgttcaca tattttgaat agctacacta 120

ataactgtta tttggtaaat atttaaagga aaaaaaatag atctgtatat tgatggtaga 180

atgtcaagac aattcttttc caaacatgtt cattttggtc actaatacaa ctgcgcaggc 240

aaaacatcga aacactgtgt cctttgttta agg 273

<210> 6860
<211> 514
<212> DNA
<213> Mus musculus

<220>
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<222> (59)..(59)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<400> 6860
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actcagtaaa catatctccc ttgacttatt ttcaggaaaa aggtgaaggt ttngaggaag 120

aagaggtagc tttcatcttt gggaaaaatg aaggtatggc tcccacagag ttatttagct 180

actccatagg ccagaactac ctcatgatgc acttcactat ttatagttct gccaaaatca 240

agagactgca ttccacaagc atctcatagc ttgtacttaa tgccttcaga tgaggtataa 300

agggcccagc gggtcctttg taagtccttg ataaacttac tgagtcttta acagtgaaga 360

caagtatttg gattcagtga ggagccactg tttagtgtca tgtttttatt gaaacagttt 420

attttctatg ttttatttta acatatatag ggcctcgtct cagaatcatt tatttgacca 480

ctactggata cctatgttgt gtcaggcatg cttt 514

<210> 6861
<211> 343
<212> DNA
<213> Mus musculus

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<222> (118)..(118)
<223> n is a, c, g, or t

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<222> (120)..(121)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 6861
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accaatgata aggcagagct tgatcgacag tggaagaaaa taagtgcaat cattgagnan 120

nggaagagga tggaagcaga tgggtaagcg gcatccctct ttgtctttgg gcctggtgag 180

aactgttcag gatactgntn ntnngnngan nnannnnnnn nntgnnntnn gggtcgaagt 240

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cttgcttcta caattcntca gacggttgca aactgttgtt gtt 343

<210> 6862
<211> 520
<212> DNA
<213> Mus musculus

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<222> (93)..(97)
<223> n is a, c, g, or t

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<222> (99)..(103)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (111)..(112)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

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<222> (152)..(152)
<223> n is a, c, g, or t

<220>
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<222> (284)..(284)
<223> n is a, c, g, or t

<400> 6862
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accattgtcg gagacaaata aaatacagca agnnnnngnn nnngnacntg nnaaagatga 120

tancgaggca tgtccattga tcaggctttg gncgcagctg gagttcaatg ataaaaaggg 180

ggctcaaatc attaaagagg ttctcttaga agcacaagac atggcagtga gagaccataa 240

tgtggaattc agatccaact tacacatagc tgagtctacc tcangccgag gccagtgcct 300

gaagcgcatc cgttaccatg gccgaggtcg ctttggcatt atggagaagg tctattgcca 360

ctattttgta aagctggtgg aaggaccccc tcccccaccc gaagtaccca agacagcagt 420

tgaccacgcc aaggactata ttcagcagct tcgcagccgg accatcatcc atactctatg 480

agatctgtgc aggtcatcct ggctccacgg tgtatatagc   520

<210> 6863
<211> 342
<212> DNA
<213> Mus musculus

<400> 6863
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atcacattgt tgcacagatc ctgattcaga ccaagctgtg tttatgctca tagaagcctc 120

agtgttatgt ttccctggag ctttggattg attctaccgt gtttatgtta aatgtgtgca 180

ttgatttttc tctgctagta tatttctgta aaaataatgg tcttggaaaa tgatggccaa 240

aaatgatagt cttggaaaat ggtggctttc cattaacatg tattttaaca gtcatgtatt 300

ttcatttgtg ttactttgtt ttggaggtgc acttatgcca gt 342

<210> 6864
<211> 505
<212> DNA
<213> Mus musculus

<220>
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<222> (56)..(56)
<223> n is a, c, g, or t

<220>
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<222> (92)..(92)
<223> n is a, c, g, or t

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<222> (96)..(98)
<223> n is a, c, g, or t

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<222> (102)..(102)
<223> n is a, c, g, or t

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<222> (104)..(105)
<223> n is a, c, g, or t

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<222> (108)..(108)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (216)..(216)
<223> n is a, c, g, or t

<220>
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<222> (301)..(301)
<223> n is a, c, g, or t

<400> 6864
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cccagggcgc cgccggcggg tgggggacgt tnccannncg gnanngncg agagtgtgtc 120

gaagggaggg cgaggcngga gcccnaaaag cgaccgggag aaggagcggg tancgggccc 180

aggncggggc gcagagcngg gcagcncagg tgcccngtgc tccagccagc ttgcctcctc 240

actttcctgg gcattcctcc gagatctcct gcctctcaac ctttgctagt gctattctct 300

ngtgcctggg acgatacctt tgactcatct tcgactgacc taatggagag agcttgggct 360

ttggaggcag agagacctgg gttcggattt tggcttcaca gcttattatt tggacaagtc 420

ctttggaaaa gtatttaaca ttctggagcc ccagcttcct aacctgtaaa aatggagatg 480

ataacaccta ccttgcaggg ttgtt 505

<210> 6865
<211> 580
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (499)..(499)
<223> n is a, c, g, or t

<400> 6865
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accacaacac ccctgggctt cccaagatct acatccatcg ggttggccgc acagcccgtg 120

cagggaggca ggggnaagcc atcacactgg tgacgcagta tgatatccac ctgttgcatg 180

ccatcgagga gcagatcaag cagcagctgg cagagctggt ggtggaggag gctgaggttc 240

tacaaatcct cacgcaggtc aacgtagtgc gaagggagtg cgaaataaaa ctggaggctt 300

cgcattttga tgaaaagaaa gagatcaaca agcggaaaca gatgatcctg gaggggaagg 360

acccagacct ggaggccaaa cgcaaagctg agctggccaa gatcaagcaa caaaaccgac 420

gcttcaagga gaaagtgggg cagacacttc ggcggcagaa agcagggagc actntccgac 480

ggtcgcgtcc tcccagatnt cggccccaag agccagccca ggctgaggct caggactgag 540

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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nctctgaaaa anacattagt ttttccngaa tagaccatgt tctatactag actttttata 180

ttgcccataa atatgactct gtgnccagtt tattaagtct aacaaagcag gcaaagaaac 240

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<210> 6867
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<212> DNA
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<223> n is a, c, g, or t

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nctctgaaaa anacattagt ttttccngaa tagaccatgt tctatactag acttttttata 180

ttgcccataa atatgactct gtgnccagtt tattaagtct aacaaagcag gcaaagaaac 240

aaganccctgt caaacctgtg gtgttaataa gatagaataa gatgtttaca gtgcttgggc 300

tccactatgg ggcaggcaga atggacaaga cagacctggg cttgagaaag tagt 354

<210> 6868
<211> 104
<212> DNA
<213> Mus musculus

<400> 6868
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gtctactaat gacatcgatg acagagaata attttgtact tatt 104

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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atacccagga ccttgtatac ttgacacatg ctttatcttc agttcatacg tctttagcca 180

cacctataat cctttgtttg cgttgttttc tccttactgt agagttcaac tgactggatt 240

gtaagaatct gttaatgtga gctatcttga ctgttggatc atatatgctt gaggatgggg 300

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taacttagga gaggaaacaa gcttactttt ggctctgtta ctg 403

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<223> n is a, c, g, or t

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<400> 6870

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attgagacac atgaaggaag ttttgaaaat ctccccgatg atgatggtca ttcagtaaat 180

gctaactttt atatccctcc agcattaaca ataagagttt tggaaactgt tctacaggaa 240

gccagcatgg ctgtgatatg gtggggtgct gttttgggcc tttctggcta tacagtctgt 300

tatagtattt ggggaaagta gctgctactg ggtggtaact gnttgctaac tgttgctctc 360

cacttggctc agaacaattt cctttgtttc agaggaatnt cctggaactc agcacttgac 420

acacattctc cctcctaaag ttttacag 448

<210> 6871
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<212> DNA
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<223> n is a, c, g, or t

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aacaccagct tctcagcatg gtgagaatgc tagaaagtgg gaatgtaatg agcctgtagt 120

tgttacgaag atttgcccct aagagtagtt acccttttat ctgtcatttt atcagtgaaa 180

tgtggatttt gtttgtattt tcccactgga aggaaatttc taacctcaca gtggagctga 240

agttggttca gctccacact ttagggccac agctgtactc ctgttttaca gaatttgtgc 300

ttacatccca gttccatgct agtaaaaagc agtgtgagaa acctttcctt ggctttgccc 360

aactgagtcc acatcctaac tgggacctct gaagaaaagg gaaaaacatt aaaaccccat 420

tctgtcttgt tccaaagctc ta 442

<210> 6872
<211> 498
<212> DNA
<213> Mus musculus

<400> 6872
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ttcaaccgtc agggaagaat tggaaaggcc gtcaggactc aaaggcctct tctgaggcta 120

cagtggcctt ctctggccat cataccttac tttcttgtaa ggcccagctg ttagagagcc 180

aagaagataa ttgtccaggc tgtgggctgg gtgaggctct tgctggagaa agatacaccc 240

atatcaagag aaaaaaggta accttcctgg aagaagttac tgagtattat ataagtggtg 300

atgaggatcg caaaggacca tgggaagaat ttgcaaggga tggatgcagg ttccagaaac 360

gaattcaaga aacagaagtt gccattggct actgcttggc ctttgagcac agagaaaaaa 420

tgtttaatag actgaggatc gagtcaaagg acttactgtt gtacagcaat gttaagaagt 480

gaacagcctg caacccgt 498

<210> 6873
<211> 165
<212> DNA
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ttcctgtatc caacatagca cctgcagcag ttggccggga aagacactcc tgtgatgcac 120

tgaaccgctg gttgggtgaa cagttgaaac agttggtgcc tcagt 165

<210> 6874
<211> 51
<212> DNA
<213> Mus musculus

<400> 6874
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<210> 6875
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<213> Mus musculus

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cccgatgaag attcacattc cagttttcct gatggtgaac aaatagaccc tgaaaatctc 180

cacttcaacc ctgatgaagg aggtggaaga ctgcttgttc ttggaaccca gcagccatac 240

tgtgaggaag tccaaaccag ccaacctgga gagacggcat gcacagggtc ccacggatat 300

gagctgaggc ccctggcccc agctaacagc caccatnagc tgtctgacgt gtaagtgcac 360

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gaacgtgctg ctccagtctg aaatcctga 449

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tcaccttacc tgtgaatgtn ccatccacct cataaatatc catttttaaa acaagctact 120

taaaatccac aacagaggac tccctgtgcc gctatccccc cttgggacaa tccacttcaa 180

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<212> DNA
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ccagagcttg accatnatca ggttttgcta gagcatcctg ggtagaatca tcttggagga 120

tgggtccagt cctntatgat ttgtaaagga aagagtcacc ttacctgtga atgtnccatc 180

cacctcataa atatccattt ttaaaacaag ctacttaaaa tccacaacag aggactccct 240

gtgccgctat ccccccttgg gacaatccac ttcaatctgt ttggctggct tgc 293

<210> 6878
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<212> DNA
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<223> n is a, c, g, or t

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ntctctgggg ctggacatca tactataata aagcagagct gtgacatca 109

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ggggaccagt gctgttattc acacagtcct gcagctcctg tggcntctgg tgatntcccc 120

atcgaagaat gtccagagac taccaccaag atntcccctg gaccaaaggc tgctgctggg 180

ggtattcctg ggccaggtgt agactgagac aataaa 216

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aggcggccaa acccagcgtg cccaaggtgc ccaagggccg caagtgacgc ccctacggtc 120

tggcgacatc gtcgagtttt ccatctgtct ctatccctat ccgccccccc caccctcggt 180

gtaccggttc cgtagggttc cgcctggccc aggtccctga tccctgtccc ctccccgcc 240

cctcccccag cgatgntgcg ttctgtttgc tttaggtttt tgaaacggcc ctggcgacgc 300

ccccattggc tctcaccctt ggcaacggcc gtcgccatgg ttaccggccc ggcggcgcca 360

atggcctggt ggcgcctgcc tactgtgccc gctgatggcc accaggcgct tgggtt 416

<210> 6881
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<212> DNA
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gacctgcagg cga 73

<210> 6882
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<212> DNA

<213> Mus musculus

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gggtatctat ccacagactg tctctctttc cccttgcttt gtttggacta aggcagaact 120

tatctttat 129

<210> 6883
<211> 61
<212> DNA
<213> Mus musculus

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c 61

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ggctcttgaa ccaatgtgag gtttgttttg tccctaaatc accaccactc actatttctc 180

ccagggtctg ataatgcctt tacctccatg tccaggatgt agccctaagg tgagggaaca 240

cagtgaaatg atacgttagt cccgtcttcc agctgctggt accatgtgac aaccatagct 300

ccttg 305

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<400> 6885

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ttgacacctt acaagtgacc gcagtgaaga ctgttcctgc a 101

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ctcagtggag cacacgagag ggcataaaga ataaagagga aaatccctct gcttgtccaa 120

aattcagtga catcttccag aagaaaaaca agagctgcag gacagggtga gcacaaaaaa 180

tgctttgttt gccctcaaat aatacatgat tcacgttgaa ctgtgaagga aggcaaaagg 240

ggagaaacta ttgngantga ngtcccngtg tcaccagtga gggccaggna actcgccaca 300

ggtctctgcc naactgaaag acttgaggta acctggattt nctnttncca tannttgctg 360

aaagangtaa aggacacaaa tttnntgatg antcngtatg aacagaacnt gagcacccgg 420

aagtagagag gaacatgaag aaaagaagct ttgtgacctt gaagaatcca tggaggttag 480

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cattgagcag anccggtaac cgtatgtgta gccagggcaa catgnccact ntctttccca 120

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gctttagtga tgtaaga 197

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gggctttaaa aatgagctgg aagagtcttg acaccatcac cagaggtttt tcccagctcc 120

ccctaccccc accatgatct acactgcctg gcacacagac actgaatctg tgtgcctaga 180

aatttgtccc agtgtgtaat gtacagagtc ccttcctttt ggtggggagt cttgtgatac 240

tgtggctagg cccctgctct gcnngtcttt gctgcagaac tgcccctncc ttgacttgca 300

agatttgacg tttattcagn cnanaaagtg ntcnaaatgg ttactgtgtg atnnnttgtt 360

tcccaaggtt cgaaaagtca gtgaaacttt ctaagatttt gcatgatgta ttttatttta 420

tttttatttt ttagaaagtt attgttggca aataatntct ttttatacca ggaaatagtt 480

ctgaatgacg ttgaagacct accctt 506

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<212> DNA
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<223> n is a, c, g, or t

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cgctgtggga tctcattagg gaatattcag atatcgagga tgtcgaggat gtggagggtg 120

actttgaaat gcttagaaaa ctgacatagg aagcctctgc ttcccagacg aacatctgga 180

tcggcgatgg agatgctgct tctnatcatc tntcccactg gagcntcagt ntggaacgtn 240

ntccntcctn ggcttnttga tngatgtntc ctnccaggtg antccttcca ctttatatgt 300

gtatacatat actttatatg cagttcatnt tttattctgt aactttgaac tggacaaaac 360

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<223> n is a, c, g, or t

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cctacagtct ccagagttgt ctcctcaaca cgactggtaa acccatcgcc tagaccttca 180

ggaaacacag caacaaaagt ccctaatcct atagtaggag tcaagagaac gtcctcaccc 240

aataaagaag aaagtcctaa gaaaaccaaa acagaagagg atgaaacaag tgaagatgct 300

aactgtcttg ctttgagtgg acatgataaa acagagacaa aggaacaagt tgatctggag 360

acaagtgcgg ttcaatcaga aactgttccg gcatcggctt ctctgttggc ctctcagaaa 420

acatccagta cagacctttc tgatatccct gntctnnncc ntgcaaatcc tattcctgtt 480

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tacagtggag ggctgtattt gatgttcgct actaccatag catctgtgag ctttatcaaa 180

ctagtttatt tgacttatgt cctacctgct atctccaatt tgttgttttc atattttagt 240

ggataattta gtttaaaata cccagagatt gggaacatnc aaccgtgtaa cgtgattttt 300

ntagtaagtn tcnctcagaa ggaagttata gtatttctgt ttgtattaat ttgtaagtta 360

aaactttggt tagtaagaga aaaaaaatcc caataaataa gctataactc ttatgtagtt 420

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aaataaaacc tttcagat 138

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<212> DNA
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ttccgtctgt ctgtctgtct ntctgtntac ttcagagtta agtgtgtttt ctaaattcct 120

aaattccact gatttcggcc cattgaccat ctgacantct tatcccagcc tgtacactgt 180

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tccaaatccc cgcttaccac tgatgtttta gctgatggtg actggcatan tcccaattcc 120

ctntctctcc aagtaggtgg tgttagaant cttaattctt ttcccttctt ttgtatggac 180

tacaa 185

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atgccatatt tattaataat tgtaactaaa gtcactgacc tatagacagt accaggttaa 120

atattgggat atgtatgggc aatcagaaat gttactttaa atgccatctg cctattttga 180

ggccatgttt ggcacttttt agactagggt aagtctgata ataccnggtg gggttttntc 240

ttttttttt ttttnnntc tgaactctca aagtttgtta ctggaaatna tttgcatggt 300

aggagagatt gaattattta ttttttatat gtagaaaaat ctctctaacc nacaaatagc 360

tcattgttac tgatttgttt gttttcctaa cttattntcc tggacagaac ggtancaaag 420

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cantnctaac tcatctgact taatatgcat ttaaa 95

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ttccgatgaa aaacaggagc ctgctaagga acaatgccac ct 102

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<212> DNA
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<223> n is a, c, g, or t

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atagttgtgt atctntcctg ttacaagtag atgacttcga ttaaacaaat ttat 114

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tgggtgtcct gatcattttc gatgaacccc cagtagatna aacttatgaa gctgctctgg 120

aaactattca gnacatgagt aaagtagtgg actccctcta cagcaaagcc aagaagctga 180

catagagttg gatctgtagc ggtcctttgg agagtgtgtg tggcgggaga gtgaaccctt 240

ggggaaatgc taggagattn ttttctttct gttccacttt tcgctcggaa agtttttaac 300

cctcattggt gcatctgtat ccagcgatag gcg 333

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gntggtgngg agggggtggt gtggtgggtg ggggtgggtg gggtgggggt gtggggtggt 120

gggtgggggg tgtggtgtgg ggggnnngnn nnnnnanннn nnnnnttncn nnannnannn 180

ncnnnnnttt tngctnntca gaaagaggca gatttggcag cccaggcaga anntnccaag 240

aagtgacccc aactttntac antntgagaa tttgaagtga gaggctgaga aaggggggca 300

cagaggaagc tgagccaaag ganttcatgg caacccgatt tctagtttcc tgacatgttt 360

ntgtacattt gctgtgccag gggatcaagc ctgaataa 398

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ctgcnttnnt tntgggctga ccctcacagt ccatttagga ctnccngtnc ctcctttgtt 120

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atgtgtttgg taacaacaaa ctgacntnna tagagnccct ggattgaaga tggagactnt 120

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<210> 6905
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tgcatcatta atntccaggc tagctgcttt ttttcctacc ctatttatga cagtaactac 120

taactctaga tggtacagtt a 141

<210> 6906
<211> 62
<212> DNA
<213> Mus musculus

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tt 62

<210> 6907
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atcttgggtg agtcacacca cagagcaagg gtaccttgat cangaccagg tggccaagca 120

cctccagaag cgggatgcag tctctgaaga gcaatgttct gcatgtggcc tgatgtctgc 180

ctgcatttac aagttctctg gcattatccc ccacacacca gatgggacag gcatctgtat 240

ttaaacttta ttacaaaatt ataaagcaga gctctgtaac aaaaaaatac acatttgggt 300

atgcttttaa cacccaggtg agaaaatctt aatgtaagcc acttggagct acacatttac 360

atccgagaga tctcaacaaa tttgtacaac atagactatt aattccttta cagcttatta 420

gtttagaacc ggctatttcc aacctatgaa acagcatctt tgaaaactaa gtctcaactg 480

aaatcttggt gcaat 495

<210> 6908
<211> 476
<212> DNA
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<223> n is a, c, g, or t

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ctaagtagca aaggttcatc gctattgaga cactacagaa ctccttcata ttatgcatag 120

ctgattgcca ttttattcta gcatgaacct ttttttttt ttttttnnng ctgtatacta 180

aacagaaaac actggaggca tgtatgttgg actgtattac agagttaaag ctaactttaa 240

actatgtaac cttttatgac tcaatgtgcc ttattgtgta ttgctgtgat atagcaaaat 300

atgcttagaa attaaaacat acatttgaag cttggttatg atattatttt tcttataata 360

tcatatgtat ttttttaaaa tttnccttttc agggactaaa aaaattgaaa aaaaataaag 420

ttgaaaattt tattagacca tctgaatttg tatttcagga ggtatttgca ttcagt 476

<210> 6909
<211> 394

<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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aaaaaaaaag tactattttt attttaacag tatacttctt aagctcttat taccagctct 120

agagaatttt ttggaataat tatgcattcc ctaatgtgtg ctttacaaac tgtgtatcat 180

cataacccag tagccgtgac agaaatctct tttctttgca cccccatcct cctcttttg 240

tttctctctc gcccccactc tctgtaatag tcactagcag gttgtgttta tagcaaccat 300

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<210> 6910
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<210> 6911
<211> 258
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<223> n is a, c, g, or t

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tagctagtct attctttcac ttgcattaga gcttacatac gggttntggc atctatcacc 180

tgagacatcc tgcctcgtga actgaacaac tactggattt ttggggattc ttagaccttc 240

cactaataaa cagccatt 258

<210> 6912
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<223> n is a, c, g, or t

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atcaatgatn tcatgatgag tcatattata tgttgcttgc atatctgtgc cctcaggaag 120

t 121

<210> 6913
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tttgtgtatt tgttacagtt tcaagttatt tatatttgat gttttgtaaa ctcaaacaac 120

aaatatactg tacttatgga ccaa 144

<210> 6914
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<223> n is a, c, g, or t

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ctgaaatgga tataaagatg taaattttat aacancactg tttattctga tgcattctga 120

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gagtagtttt tcaagtccca gactggcttc atcatcttct aatgggaact cgaatcctct 240

ttaagaacac cctggaaatg tacacagact antacctcca gtgcaagctg gagcagctgt 300

ttcaggagca ccggctggtc tccctcatca cccttctcag agatgctata ttttgtgaaa 360

atactgaacc tcgctctctc caagataagc aaaaaggagc aaaacagact tttgaagaaa 420

tgatgaatta cattccagat ctgatagtca agtgtatcgg tgaagaaacc aantacgaaa 480

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atcctaccca aacctgaaaa tccctggact gaattcacct atccctgaga gctgctcctt 180

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tgganggcaa cagacaactt gaagatctca ttggtgtttc nctagtacca tgntccttaa 240

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taaattnatc tgtagtcgta actggcctac tgctaaagag ntttataagg aaggaaaagt 180

aatttttaa ggagaaaaaa ttttggcttt agacttaaat tcagatgttt taaaggaaaa 240

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tctttctcct ctgtcagaat ctttttttt tctttgacca taagtccacc tgacagggnc 360

actctgagcc agcactgctc tggggccatc agatcaccaa cagaagcaaa tctctgacct 420

ctttgcctgc agcttttact taaccctgta gtttctggac gtttgtgcag tattgaaaag 480

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ggccttcggt acattatact gaaaaggacc ctggagcatc aattcccaaa ccttctnnnn 240

ttngnggagg naanancnac ncngnttaca ggggantttg aagtgttngt ggntnggaan 300

ctgatccntt ccaagaagaa ngnnnannnc tttnnngatg antccnntct gaagaaantn 360

ntggntnnta ttgacgaaga gatcaagaag aggtancanc ancaacggag gggacatgag 420

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gaatcaagan atacttcgtt tttccccatc ntntcatgnt aggagactca cattaagcag 360

gatntgcaaa atgttaaaga aacaatcaag aagccggaag aagaagcaca ggccacgaac 420

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cntntnatgc agatggctan ntcccctccc ntcaatgtgg cccagaggta cgtggtggct 240

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gctccctntg ctntnctgag gggtcaaggt ttggggccca ctttcctata ggttgttttt 240

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ctcagaagaa ctgttgacgg cttatggatg catgagagga ttcatgacag cacatgggca 240

gccagaccag cctcgatctg cacggtacat cctaaaggac tatgttggag gtaaactact 300

gtattgccac cctcctcctg gaanagaccc tntgncngtt ccagcaccaa caccagcagn 360

tcctagagag caaagtaaaa ggtggangaa ctgagacttc agccgggcaa agnccgaaaa 420

nccaaacaga tcgaaaatgt antcgacaaa actttttttcc atcaggagaa cntcagagca 480

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ttgtgttgtg tacagggctt cattntnctg tacaagtctg tggttataaa attagtaaaa 180

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ccttcgttac tgggttccaa gtgggcccca aggaaaagca atttttttcc ccaattggaa 180

acaattggaa gtggttccaa aactttacca aagggccttt gatggggagc tctggggaac 240

ttaattggcc tgggggaaac taatgggccc aaccnnctnn nnnnnnnntn nnnntncann 300

nnnntnnntg nnngnnnnnn accnnttccc nggatanttt ntcaatngac gatttattng 360

agncncancn gacactcaca ngcttcacaa agaagggaaa ttnctncntn tgnttnatca 420

ntgttattta aaaaaaaaac aagaggaaag acattgaatg atgtggatat tcnccatacc 480

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aagacataaa gtggcggccc aggtgaagcc aacacttgac tntcagaacc tcaacccacc 180

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angtgtacag ttnctagttg ctaaanttag cacggccagg aaatgcaatg gcatttttat 180

tttcctgtgt actttaaata ntcctttgtt agtantcntc ctcaatgaaa tgtagtggca 240

gccttgggag tcactagtca gtattcatgc ttagtactgt gatgtagagg atntgaatgg 300

ntccanataa atggtatcag gaanccatag aagaaatnnt ctatattntt taatncaanc 360

aggttttgaa aaaccatgga tantgagtag agaattantt tttnttatga tggggagtgt 420

gaagatancc ncngatntga tatttgaaac taaagagtac agagaaatag ttcntcaacg 480

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tcaagccaag tgcagccncc ttaagatagc tccatatacc ctgctactgt gattgttcaa 180

gcagaaantg gagagaagcn actgagacag acaactgggn aactntnatc ttttataaac 240

cagnantaat tcaagtgctt tntctntcct ntnctggttt gtgttttgat tttaaatagg 300

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ttccaagatg gctaagaaca aggacttncc agaaagttca tctgcaccca tcagagttta 120

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tgccaggagc ggagctcagc ctgtagnagt ncctcntctt gatcctacct tttcagnccc 180

tcnanccatc catctatcca tccctctgtc accatncctt cctgnctcca ggctgggggg 240

agggagancc aaaagtgggt ccgatctgaa ntcttnccct ntctcaaatg cctgggtaga 300

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tagttgggtt atcaactcgt gaatgaagcc tgtggcttac atagctaaaa atctgttctt 180

cccttggaga taagagcaat aagaaagaga tgatatgaaa tcaaataatg gaatatggga 240

gtgagggaga cacacagagt agtgctggaa attaagccaa aactggtaag ctttaaaagg 300

atcaagaaat aaagtacttt ttctcattan ttctatntaa tgctgatacn gactagtaat 360

ggtcatgaac atcaacttct aacccgtcta agacacttgt tagattactt taaattagac 420

cctaagtaat ttaggatntc attcactcac agaaatgcta tttgtgacac tgtgtca 477

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aatgtttgag cttttattat ccccttttgct aaccaccgtt tacactntaa tttttaaaac 120

aacacgnttt ngaaatcagt tgtctgttat ttagttctaa aacatgacac atcttgcctt 180

aacagtttca aaaaccacac ataaaactcc atagtacagt aggccaagtt tcatcctatt 240

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cttttataat atgtgttaat gnctctatga caaatnctct gattcctagt gccaaaggtt 180

cacttcagtg tatataactg aacactcatc catnctgtgc tctttttttt ttttttnaat 240

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ctgccctgtg acccctggag ccttccaccc cggcantnca tgaaggtntn gcctgaaaac 180

cagcctgctg gtggggcann nnncntgagg acctggcgtg catccctgcc ggaggaaggt 240

ccagaggcct gtgncccntg ggctcgagct tcaccctggc tgccttgtgg gaataaaat 299

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<211> 396
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aaaagtcgac tttctcggat actcagtgtg tctctttcta gaactgcaca gagtgtatct 120

atgtcaatat cagtaaaccc ctccgcactg attgcatcca ctgtgctctt gtctatggtg 180

tccagacaaa gactagccag ctggggctca tcgaacaacc gcgcctgagt aagcaacata 240

aaggcattat ctgccctaag atgtttggtg agaaattcta cgcaatgtgc ttccaaggca 300

gggactgcat atttcttagc agtataaaga gtggtcataa cggtttctgg accaatttga 360

acttcgtctg aatacaaaaa tctcagcagc gccagg 396

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caatcagact gaggacttag ggccacatca gggtcctaca gaaggaactg gggattggag 120

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aaagctgctg tgtaatttaa cttgtaaa 148

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taancatggt ntccaaggac tncaagaagt aactaattac cttggaacag ttgatgattt 120

ngtnncntga gaagtggact aacagtagag atacaacaca ntcanccatg ctcgatgcgc 180

ttcaaaaggt gtgctgaaga aacatgctac g 211

<210> 6945
<211> 546
<212> DNA
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<400> 6945

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taagataacc agccaagcag gtggaaaatt aaaagggtat aaaattggaa gaatattcta 120

gaaagaacct attcttcagt ttgtcgatgg tgacaggagc acatgtggca agatagcctt 180

gtcacagatt ggaagttgtg acaatattat agagttttga cattggaaac agcacattct 240

tctgtaataa aggctggact gtgataattt accacttgaa gaaatatgct gggttcaact 300

ctgttactca gtgaacatct gttttaaaga aaggcgtaca aatacagatc acatcaaacg 360

ctttcattga gaggttgaca tggacgctta tacagtttat ggtagatggt ctcagaagct 420

ttcctgtgta tgagaaacag aactacaggc ttttttgtat aagttcctgt acatcttgtc 480

catgctgttc tcaaagacgg gtcggtggga tttcccttta caagaggctg ctctgttgga 540

ccagca 546

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ctctaagcct taggtgttgt ggcaagagtc tgtacagata tataactaga ggtattcagc 120

tgagagggtc ctggatcacc taggtgagct gggtatcact ccagggagcc ctggagnagg 180

aggcaggagg tgactggcac catgtggatg tgagatgttg agaaagaagc tgggagccgg 240

cagaggacag gcagtgggtc cctcggaacc tccagcaggg actggctctg ctgacagata 300

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<212> DNA
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gtgtagcagt ttcct 75

<210> 6948
<211> 48
<212> DNA
<213> Mus musculus

<400> 6948
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<210> 6949
<211> 104
<212> DNA
<213> Mus musculus

<400> 6949
agcagtttcc cagcagcaca acagacagtc ttcaccatcc accttgtcat gttcagccgc 60

atacaccacc ccaccccaca tgggcccacg tacctcagta caag 104

<210> 6950
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<212> DNA
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<223> n is a, c, g, or t

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tttgtgcaac tgtgatgcag cagctaactc agaactgtta gaggcttc 108

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cgnttngaag tgaatgtanc tgagcttcca gaggaaatag atntntccac atacattgag 120

caganccggt aaccgtatgt gtagccaggg caacatgncc actttctttc ccacctgctg 180

cttcagaacc tctttctagg tgacaaatcg atntntcttt ttattgttcc aaagctttag 240

tgatgtaaga 250

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catttccatg cacagntcag aagctgcacc aatgagaatt cttcaggcga tgtagaaatg 120

actgtggatt ntaatacaca ccgaaattct gactgagaat ttaaattgca g 171

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ggggacatgt taaaaaaaaa aaaaaaaaaa aaaangantt tgctggagaa gatcatggcc 120

cagacctgag cttt 134

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<212> DNA
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aggtgcggga ggagggagag tggagcctct gctctgctct gtgctcctct cccagcccca 120

cctctgccct cgggaccagg cactcagaag gaggaggtcc cagacttgat tgtagaaatg 180

gggactgaag ggattgtggg caggatgtga tcaaaggggc catttctcac ttttctttcc 240

tcatcctcac tgcccctcaa gctaggtgga tttttctctt gttgacaaag agtatttggt 300

agggaaagca ggttaaaaat aaagacagcc cttccctgcc ctttgtgtcc ccttcctggt 360

gacagcaaga aaccatcaac accaacaagt ttccacgttc cttttacagc aaaag 415

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<212> DNA
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gttcttttgg gcccatataa cccagacacg tcccctgagg ttggattctt tgatgtgttg 120

gggaatgata ggaggagaga atgggcagct ctgggaaaca tgtccaagga ggatgccatg 180

gtagagtttg tgaagcttct aaataagtgt tgtcctctcc tctcggcata tgttgcgtcc 240

cacagaata 249

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<223> n is a, c, g, or t

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aacacctagn ttgtccactc ctttgtgaat tgttatatga gtcagaattt gacagtcagt 120

tgtggattat tttcgaccag aacaaaagac agatgggctc aggcgatgcc tatccacatc 180

agtattctct naaattggag aaaggagatt atacaattcg attacagatt cgtcatgagc 240

aaatcagtga tttggatcgt ctcaaagatc ttccgtttat tgtttcacat aggnttgtct 300

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<223> n is a, c, g, or t

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ccantgnttc ccactattga agctggaagg actgcctggg gacctgtggg catcccagga 120

agancctgac taccaggact ntgaggacnt ggagatcatn aggaaagcta cagatcgntc 180

agctggagta acaggacagt tntntccacc tgggccagga gccacggtgc acaccacacc 240

agatcctttg cccggccagg aatacagncc gactggggac actgagtcac atcctgcc 298

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<212> DNA
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gattggat 68

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tctgtgttta cttgtaactn tctggttata tactgcttat atctgtggat tcaagttact 120

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ccacannnnn tnntnccnnt antcnnaccc caggncacaa gggatnctnn tcctgattcc 120

tntccatcna aattggnntn tccttaccat ttccgtnccc cntacagtga gagacaagat 180

gtccatccat gntnttntac tgcattttcc cttcccttgc agattgtgag atgtaatgaa 240

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agnacatttc ntgaacnttt gcaagattna cagtcctgcn taggttagtg gntcctttga 180

tggcaaaggt cagctggaac ttgnctttna ggtggcaggc ccatgcnant ggccacctcc 240

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ctctgaacat tgacattgct gtgctcactg aggcacaagt acccaccaat ggcccctggg 240

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ggggcattan gaaagtagag aaganctctg ttcacatctt ctgctacatg ttcnacccnt 240

ncagatcccg attcnctcct ttttgagaga ggacacactg tatgancctg anccacanat 300

ntgancccag atggaagtga atgaatccag ggcggaggct agagctggaa nccagntntg 360

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tgagaattga actcaggtcg tcaggcttgc agagcaaggg cttttaccca ctgaacatct 180

ttctaggccc tccttaaatt ttaagaaaaa aatctctccc tgaacgtgga gctcactgct 240

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cctagctcct gaaaagattt tntgaagcac tgttctataa ttatatttta atgtgttttt 420

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actgctctaa gcctttcaac tcaccagcca acctggcccg ccaccggctc acacacacgg 240

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agttannntn cacttcctct tagtgtncan caagaacanc ggncagctgc ttgcantgct 240

ggcagagttg cttcgaggac cttgtggcag ctttgatatg cgcaagacag ctgatgantg 300

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cccaatanac anttnttgga tagattgntg gtgcatgcta caaaaagcgg gaaatatgan 180

nccgaggaaa cagcttnttt ttccggaagg ttccttgtgg ganganttac tnttatgacc 240

taagaatgtt aatntnngan gatgtggggc agggacagtg acatttnnnn atantcccaa 300

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gacacccagg atcccagagt cactgagacg cttttatgna gattaccaag naaagagtgg 180

actacacaca ntctaaaaaa tacttatgtg catatatttt ntagagaaaa gtttgttttc 240

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ctggagttga agagccaatg ttttgactca tttgag 336

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gcgtttttct tttnanatgc gagggaggcc agganagggt tactttagct atttcntntg 180

tncccagcta tgccaccagt ccagggnccc tncctgtcct tcngtagagn ctgttgagac 240

tgagatcctg tgggacantc agttgntccg tntccaaatc cccgcttacc actgatgttt 300

tagctgatgg tgactggcat antcccaatt ccctntctct ccaagtaggt ggtgttagaa 360

atcttaattc ttttcccttc ttttgtatgg actacaaata aaacttgggg cgattcgtg 419

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ctggcacata gagtggagtc accaaagcac cacttttgca ctggctacct ctcactccta 180

tcttgtgcgc ttctgtggca gggactgact gctgatacgt ctttgaggcc aaagtggatg 240

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ccccagccag cacaggattt ntcctcattc cgtgggtgat ggatgaatnt nattggantc 180

ctgaataaat gctgtttttt ggcttccaaa accctgnttt ttntggcctt gggtcatgag 240

ggtataag 248

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gagtgcaaat gttt 134

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atatccagtg gggaaatttt gtttgttact gtcatt 156

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tncnngnncc nnnngntncn gnnnngnccc cnnngnnntn gnnggnnggn nnnnnccttt 120

cttaggacga tgtctcacct tgctgtctct gacaggtttg agcatggcag aaggggacac 180

cttggtctca gtggattacg aaatttttgg aaaggttcaa ggggtgtttt tccgcaagta 240

cactcaggct gagggtaaaa agctaggttt ggtgggctgg gttcagaaca ccgaccgggg 300

caccgtgcaa gggcaantgc agggccccgt ntccaaggtg cgcttcatgc agcagtggct 360

ggagaccaga ggaantccca antcgcacat tgacagagca aacttcaaca atgagaaant 420

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ggctgagcca gagaccaact gcagaggaac tggaacagag gaacattttg aagcctcgga 180

atgaacaaga agaacaggag gagaagcggg aaatcaagag gaggctgact cgcaagctca 240

gccaaangcc cancantnga agaactccgg gagaggaaga tccttatccg cttcagtgac 300

tacntggaag tggcagatgc ccaagactat gaccgaaggg cagacaagcc atggacccnc 360

ctcaccnctg cagacaanag ctnccattcg gaaggaactc aatgagttta aaagtaccga 420

gatggaagtc cacgagttaa gtagacactt aaccaggttt catcgacctt aacagtggga 480

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<212> DNA
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ttttatgaga gaattgtgtg gccacctcaa tatcatttat gatctcgact ggtcaaaaga 180

cgatcgctat ctcgttactt catcctctga cggcactgcc agagtttgga agaatgaaat 240

caatagcacg agcacgttca gagtcttacc tcacccctcc ttcgtctaca cggctaaatt 300

ccacccagcc acacgggagc tggtggttac aggatgctac gactctatga taaggatttg 360

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ctttgtcaac tccatctgtt ttgacgatga aggtcaccac atgtactcag gagactgcat 480

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ncncccacag ctgcanttnt nttcagagca cacacttcac caattcctac cacaacgttc 180

ctnctgtaaa tacttgaaat cacgacactc aatgtgaact tttaaaag 228

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caactggact cttgctaata gtggagaaca actgcatggc tcccatgaac tggaaaatca 120

tcaggttgcc gattctatgg aatatggatt cctgcccaat ccagtagctg ttaaatcgtg 180

agttatgttt attgatgctt tgggggaatg tccacattat agttggggct gttctgttat 240

caagaaaccc aaggtcagca ccctgctttt tgatctctct atataaattt ttaacccaag 300

tataagtatt tcatatgtta tgtacatagt atcatatatg ttcctatgta gtccctacaa 360

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<223> n is a, c, g, or t

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gaggcagggg acccacnagg atnaaccaag tngagtgttn atccnactnc acancctttc 120

gtgaccctac atttccatnn nacaggtcag aagctgcacc aatgagaant nttncaggcg 180

atgtagaaat gactgtggat tntaatacac accgaaattc tgactgaga 229

<210> 6993
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgttgtttgt gaaagtttat aaatgtttat tgtataactn tttatagatc tgtntcccac 120

atgctaagat taatggcaat gcaacaccat gtccagcatg ttccattaaa tgtagttaa 179

<210> 6994
<211> 379
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccagcgtggc cactctagaa cccacagtag gggtagagcc ctcagccaat ctagaacttc 120

cagcaaggac agagagccca cccaagatgc aacccctaag agcctccatg ggaagccatc 180

tcccaccagg ncgaagactt ctagtcanaa gagaactggt agcaaggcag gcggccactc 240

ctcaacacag cttcccaagg aggtccaacc ccaggatgac agcttttnca agactgctac 300

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<210> 6995
<211> 361
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttttgctca tcacagttat ctcttattat agaaaaaagg agatattaga gaaagatcct 120

acaagtatga tagaagtgat gaagccattg cacaacacag ttatctctga ctacattaaa 180

ggaaagataa tgatgacaaa cactatnaat gtaataaggg gggggggta agcccattat 240

ataacatggt caactttgaa tacagaaaaa gacatactat ntaaagggnc tncaatatat 300

gtnccnccac tagatggtgc taaacctctt tgtncncagc tgcgagagca tagcaagcca 360

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<210> 6996
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttttgctca tcacagttat ctcttattat agaaaaaagg agatattaga gaaagatcct 120

acaagtatga tagaagtgat gaagccattg cacaacacag ttatctctga ctacattaaa 180

ggaaagataa tgatgacaaa cactatnaat gtaataaggg gggggggta agcccattat 240

ataacatggt caactttgaa tacagaaaaa gacatactat ntaaagggnc tncaatatat 300

gtnccnccac tagatggtgc taaacctctt tgtncncagc tgcgagagca tagcaagcca 360

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agggtgcatg aggatcatgg gtgttgctac c 451

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atggggactt tntcccantg cttccntcac aggggttgnt ngcagtntca gaaggcccca 120

ncccnangan tccntntcgg gtgaggcctg gcctnctgtt ctaagtantc cactggcatt 180

gccttccaag ccactttagg tccttttgtt ttgttttgtt tttgttttta aatcagtgtt 240

cttacttcct gtacataagc ctaagat 267

<210> 6998
<211> 112
<212> DNA
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<222> (44)..(44)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 6998
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gtaccctcat ccaccaaggc atccgttgaa caaacgcatt tcctttcttg tt 112

<210> 6999
<211> 151
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttaccagac ttcaagagca tnntcgccac atncttgaaa aatgccaccn tccgatgaaa 120

aacaggagcc tgctaaggaa caatgccacc t 151

<210> 7000
<211> 256
<212> DNA
<213> Mus musculus

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<222> (27)..(27)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (61)..(61)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ntttgtgctt tccttgaaat gcacttattc ttattacagg cattttataa ttttgtatga 120

antgtnctat tttnctncta aatattttgc tttcagtaag tactctccag ctntccntgg 180

gggttggttg gtggaattac tctgtattga caagtacaag ttaccgccta tgctttgtac 240

cttaggctac aaaact 256

<210> 7001
<211> 93
<212> DNA
<213> Mus musculus

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<222> (33)..(33)
<223> n is a, c, g, or t

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aggacgtcac gaaataaagg atcacttttc aga 93

<210> 7002
<211> 163
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttatttcaa ataaaatata tttgtattat ttnnnncatt catactatcc ntccatgcca 120

cactttnttc tgtaccaggt agcccaatag aaatacacct gtt 163

<210> 7003
<211> 79
<212> DNA
<213> Mus musculus

<400> 7003
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gccattaaac ctcaacttt 79

<210> 7004
<211> 81
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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agggttaagg aagactttga g 81

<210> 7005
<211> 262
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (99)..(99)
<223> n is a, c, g, or t

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tgctgatgtc tacttcattn cctgtgcctt cctgtgccnc ctgtgtcttg ctggcctgtt 120

ttaggctcat cccagtttct ctcttctgac cgtagcgtac cagcagttct tgacagtccc 180

aaagttacca gtggcatcat cagactgaga gcctgggctc cttcttagat cttgttcaga 240

gccaggcaaa tctgtctgcc tt 262

<210> 7006
<211> 177
<212> DNA
<213> Mus musculus

<400> 7006
cgcggctctt tacgctgaga tgtttcactg acttctgcct gagatctgga aaaggaacac 60

tgcccaatag atgaacatgt gtgaaaaata acttccaagg aacatcatgt gcgcagggac 120

tgtgctaaac agaaaactgt cagtcactgc gggaatgtgc ctccctgatc gccgcga 177

<210> 7007
<211> 103
<212> DNA
<213> Mus musculus

<400> 7007
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cactcacagg cactgcacac acttggtaaa cagacatgca tgc 103

<210> 7008
<211> 280
<212> DNA
<213> Mus musculus

<400> 7008
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aaaacgagga aaagaattga acagtgatat ttctggaagt gaagtttgga tcagtcctga 120

atggaattgt agacatcgcc gctggtcatg ggagtgttgg ttaccattgc tgttctggag 180

acagatgcat cagaggaacc tgatgatgga aacttaaccc acattgctga gggaagcagc 240

tgggatgagc aagaagacgg tcctagacaa agttatggta 280

<210> 7009
<211> 405
<212> DNA
<213> Mus musculus

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<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

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tatccacaga aagagactta ttctgtcact cccaganatc agctgctttg gactccctgg 120

actcctgtag gccagcaggg gacttatgcc tctgggcagc taagctcttt gacctacagc 180

actgctacag ccagaaagaa ccccgtttac gatccccagg cgatggagtt ggagtctgag 240

gagtagtggg aaatcatcca ggcccaagct acgggaccca agatcaattc aaacatcagg 300

actccctagt gctggcttca nagcggatgt tttctatctc tgttgtctcc atcccatagc 360

gtaggcattc acagcccact tgagttccta tctaactgcc cagta 405

<210> 7010
<211> 455
<212> DNA
<213> Mus musculus

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<222> (269)..(269)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctaacccaaa ggaaaaaatg tcagggttca ggactcttct gggaggtgag tccctgtgcc 120

gctccattct ctggataggt gagaaggaaa agccagtctg tgggtgtgga taaaagactc 180

tgaataaata aatatctccc tgtatctcag gccaataggg agtctcaaag gaccaggaag 240

aagttggcca tcaaggtctg aggaggggng gcagncaggt cacccccagc attctgtgtg 300

cccacctgcc tcctgaactc aggaccatct tccagacctc ctctgtccca gagctccagg 360

agaccgaaac ttgctgcatg gatgcagcaa aagatgatgc cttcctccta actaggaagg 420

gtgggtggcc agctctccgc catgtggagt gagtt 455

<210> 7011
<211> 149
<212> DNA
<213> Mus musculus

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caggttagag caattggctg cactggcctc ccactaatat aacctgctgt cagaagcctg 120

actcaagcct cactccttgc atagctcct 149

<210> 7012
<211> 131
<212> DNA
<213> Mus musculus

<400> 7012
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tatacagatc atatggtcca aaagttctct ctaagaacgt tttcagagct gggaatacag 120

atggctcaat g 131

<210> 7013
<211> 377
<212> DNA
<213> Mus musculus

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tacactgatt taacatctga taggaatgct aacagctcac ttgcagtgga ggatgttttg 120

gaccgagtag aggcatgtag ggacttgtgg ctgttccata attccatgtg ctgttgcagg 180

gtcctgcaag tacccagctc tgcttgctga aactggaagt tatttatttt ttaatggccc 240

ttgagagtca tgaacacatc agctagcaac agaagtaaca agagtgattc ttgctgctat 300

taccgcttta aaaaaaaaaa atcaagactt ggaacgccct tttactaaac ttgacagaag 360

ttcagtaaat tcttacc 377

<210> 7014
<211> 168
<212> DNA
<213> Mus musculus

<400> 7014
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ttcttctttg gagtacaaga aaggagaaag ccagaccgac atcgagatta cccgggagga 120

ggacttcacg cggatcctgc agatggagga ggagtacatc catcagct 168

<210> 7015
<211> 274
<212> DNA
<213> Mus musculus

<400> 7015
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gagctcaaac ccagatccta agctacctgc cggccgtttc atccagagag agatggtttt 120

gtcatgggtg agggagctgc tgtgctggtg ctggaagaac atgagcatgc tgttcagaga 180

ggagctcgga tctacgcaga aattttgggt tatggactct cgggtgatgc cggtcacata 240

actgcccccg atcccgaagg agaaggtgct ttaa 274

<210> 7016
<211> 442
<212> DNA
<213> Mus musculus

<400> 7016
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gagagccctt cttctcctgt atctattagg gaagtagaag tgcgccacta ttctcaatgg 120

agaggacaat gccttttttg acaggaaaac taattgaccg gcgtacatat gcaagacaac 180

acttggtcct ccagtcagtt ttcttaatta attttgtcct ggaatatata caagttattg 240

gtggcagcta cagcaataat gctctccatg gggtgccagg ctgtgtggag gatcttctat 300

tgaagtccaa actgtccacg ctaatctcgt cttcttctct acccccctgta cataactttc 360

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ccctccgagt gtttctatca aa 442

<210> 7017
<211> 346

<212> DNA
<213> Mus musculus

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aaagaaaaca gcattttaaa gcatgtttaa tataaaaagt cttaattata taagatacaa 120

ataatggact tgttcaaaaa gtccaataat ttagcctggg aagaaaaact tagctgccct 180

tttgaaactt ctttttgaag ttaccagttc tagtccaagc gaatatctca aaatccgctg 240

ctcttctgaa ttattttggg taataaatgc tgttgtcaac acagaccttt ttactgctta 300

gacttcagcc aacaagttac agaatgtttc ctaaaatact ccaaag 346

<210> 7018
<211> 280
<212> DNA
<213> Mus musculus

<400> 7018
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ctatttttc ttaaaacata ttttataaaa ctacaacctg atctaccctc cagggcctcc 120

tcagttccac tgattgaaat tttcttcttc catggactaa gtccatctag gaaggaaaaa 180

tgaggagaaa gagtgtggta tcctccttct aagacagtga ccgatttctc tgggttgggc 240

caagacttta tttactgcat catgcatgac tcactcaggg 280

<210> 7019
<211> 348
<212> DNA
<213> Mus musculus

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ttggaagtat tttcttcata agtaaagcaa atgtgtgttg aattgtagtc cgcagcccac 120

ctttcacaga actagacccc cgagatacat agtgctgttc aacttgagtt accatgtaca 180

ctgcctgcag gttcctgagt tatgtgtaat ttcagatgct cttgattttt ctctgctgtt 240

tccctttata tcccctccac agttcacagg ttgatgaaca gaacaaaagc agttatgatc 300

acttgtgctg ttgtgatgac tgttctgtga agacgtaagg acacttga 348

<210> 7020
<211> 37
<212> DNA
<213> Mus musculus

<400> 7020
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<210> 7021
<211> 348
<212> DNA
<213> Mus musculus

<400> 7021
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aatgctagga agaagctctg taatgcattt gatgtttgat agtaggtttt gctgtagtca 120

tcaagggtgc cttggaggga gagctacaca gtgatagagc agacaggagg tctacagagg 180

agcagggagc tccacacact ccaggcccca gtgtactgtg tgtccagtat agttaaggaa 240

gaaacattaa aattgtttaa ctgttttaac atgtatccca cagttgtagt ttgtaaagaa 300

ttgagccacc ttgaacagtc tgattcagaa taaacgtata gcatcatg 348

<210> 7022
<211> 130
<212> DNA
<213> Mus musculus

<400> 7022
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agccattgcc tactgagact tttagcaggt gtactatagg tgaactgtac tgagcgcctc 120

gtgcacgtgc 130

<210> 7023
<211> 232
<212> DNA
<213> Mus musculus

<400> 7023
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gacagtgtgc atccccacag atgagtgtgc atctccctac ctctctgtaa agacagatac 120

cgatgacctt gtgactttac tatccagctt ggtaagaaaa gaaataccaa gtagatacag 180

tgcaagcttt cctttaatgt atatactgca taggtacgac atgtttagta aa 232

<210> 7024
<211> 112
<212> DNA
<213> Mus musculus

<400> 7024
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agtttcctct ccttgcattt atttaagata ctgttagaga gatattgttt tc 112

<210> 7025
<211> 168
<212> DNA
<213> Mus musculus

<400> 7025
gaaagcaagt agcttcccgt ggcttcaaat gaccttccca caaggtggaa agaagaaaaa 60

cagaaatcac gttgtagaag gtagagatga tggctacagg gacgaccaga taaacaagct 120

tattagatgg atgaacttag gtttcaccca tgatattttt gtaacttg 168

<210> 7026
<211> 162
<212> DNA
<213> Mus musculus

<400> 7026
agagcgttct gcatcagttt ggagaggtag cactttgaaa ccatgagact caaggggcta 60

agtgaagagg tctcagggga cacggagtct tcgtgccaac agtggaatgt aagggcactc 120

actgttcacc ataatgtggc tctcatgtgc ttcctccagc tt 162

<210> 7027
<211> 136
<212> DNA
<213> Mus musculus

<400> 7027
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tcccctggat tgaagatacc atgaaaaata actgagctcc cacaacagga ggaattctga 120

aacatgtgac aaggca 136

<210> 7028
<211> 331
<212> DNA
<213> Mus musculus

<400> 7028
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aaggaaagaa acccacagta tacctttccc agaggctagc ctgatgaggt cagtccagtt 120

ttggaagcac tgccccagcc agacccttat tctttcgtaa gatcactggc tggaggggtg 180

ccccagcag gcagagctca gtgctgtttg ctttgataat cgttaagcca tatcatctga 240

ggtttccggc ttgagatgtg aatttgtttt atagactata aatatacagt gtatgtataa 300

agcagaatgc ctgtccttct gattattttt t 331

<210> 7029
<211> 264
<212> DNA
<213> Mus musculus

<400> 7029
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ttttgtagta tatgtgtgaa gctaagaacg ttttagagaa tctgagcctt gtataaagtg 120

atgacatggt tacctggttg ttggatgact gaatattgac agtcgactta ctacagggta 180

aagctggtta gtttctggct ctgacttctt ggagcatacc taccatgagc actctttcca 240

tgtaaagatg ttagaggctc ctca 264

<210> 7030
<211> 366
<212> DNA
<213> Mus musculus

<400> 7030
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tctctactac ctggcgctaa ttgaaagggg aacagctaaa cttcaggctg ctgtggtact 120

aaaccctggc tactcctcca tcccaccggt tttccgactc tgtctaaact ggaaagggga 180

gaaaaccaac agcaacgatg acaatattcg ggctatggag agtgaagtca acgtgtgcta 240

taaggagttg tgtggccctc ggcccagtca ccagctcctg accaaccagc tgcagagact 300

gtgtgtgctg ctggacgtct acctggagac cgagagccac gatgacagct tcgagggccc 360

caagga 366

<210> 7031
<211> 373
<212> DNA
<213> Mus musculus

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<222> (217)..(217)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<222> (233)..(233)
<223> n is a, c, g, or t

<220>
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<222> (293)..(293)
<223> n is a, c, g, or t

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tgcaagttat aagggactac tctgttaatt gtaaaggtgc tatgaaagtg actttgtata 120

tgaaacgagt tcccaaaagg gttgagtcat gacttgtcaa taacctacat gaagtatttt 180

gacttacttg ttttggaaga aaagttgggt atttttnctg tgaaatncaa ttntccaaat 240

ttgagcattt tgtatagggt ttctgttaaa tgttttcaac taaattcctc agntcttacc 300

ctaagaatat tgtgtataaa ttctacaacc caagttatga agtaagctgt aagcataact 360

ttaccactga gtt 373

<210> 7032
<211> 430
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (268)..(269)
<223> n is a, c, g, or t

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<222> (285)..(285)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (296)..(296)
<223> n is a, c, g, or t

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<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (398)..(398)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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catccagaca ccggcccgcc tcaacacctg agatctagag gaaggagaac ctgattcaga 120

gtcacagtgg aaaagcccag agactccgat cttggaacag aagggctggc gtttttaatc 180

cagctaaaag aaatgcgtgt gctngantcn nnnnnnnnnn nnnnnttcg agcctcaagt 240

tgctatccca gcatctctta aaacngtnng ttctgagaaa tcttnatagg cnaagnaact 300

tctgcnttgt gagaaagttg acaaacatgg atttggaant ntacctttc ttgtgtccag 360

aagctggact atcacccntt atccccaaat attgacancc nataaggtag gactcgccta 420

agtgaaactt 430

<210> 7033
<211> 475
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
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<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<400> 7033
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tcctagggtc acagtcggtc agcttggctg ctccattctt tcataggcag gattcctaat 120

tcctgccact ccccctaaga gcaggacttc cctatgccag cacatgtgcc ccaggtgggg 180

ctgagtacag gtaaccttga gctcagcttg ggccagcttt gaacagtgct tctgaggtcc 240

ccagagacca aagccagatc gtctgtcccc cacaccttag gtgggcacag gagggccgag 300

cttgtttnta cccactggca gctgctgant caantctggg ntccctgcca tctgtggagt 360

actttttcc tgttgtgttg aatactggag aaatagaagg ttcaagatag aggcagacct 420

gactgtttct tgagggtcca tcaggcatnt ccaggagctg gccagttatc ttaga 475

<210> 7034
<211> 501
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
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<222> (146)..(146)
<223> n is a, c, g, or t

<220>
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<222> (308)..(308)
<223> n is a, c, g, or t

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<222> (371)..(371)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (461)..(461)
<223> n is a, c, g, or t

<400> 7034
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ttcttggagc ctcttttana agctaaaaaa gcaggtctga agttggcatt gcatcttgcc 120

gagattccaa acagggaaaa agaaantcag atgctgctga gtctgctccc tgacagaatt 180

gggcatggga cattccttag cgcctctgag gcaggggccc tggaccaagt ggacttcgtg 240

aggcaacacc agataccccct cgaactttgt ttgacctcaa acatcaaaag ccagacagtc 300

ccttcttnat gatcagcatc actttggatt ttggtacagc attgctcatc cttctgtgat 360

ctgtactgat ngataaaggt gtttttgcga catacctttc tcaagaatat caactggcan 420

cagaaacatt taatttgacc ccatttcagg tgtgggatct ntcctatgaa tccatcaact 480

acatctttgc ttgtgacaac a 501

<210> 7035
<211> 444
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (94)..(95)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

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tttactgtgt aaagatggtt acattatttc cttnngcttt gtttgttgga gacagatagc 120

gaatgcttgt taagtatgtc aacataatct ccccttgtga acttttgtta atgtcttata 180

cgagctctct tttccatttg cccagaaagg tggcttgtat aacgctttgg aagtttctgc 240

tccgtccgtc ttagagctga cagtctgtta ggtttgtttt ctcttcatgc taaagtgtcg 300

gtggttttgt gaactggtca gaaattcaca gntcttaaat gttnggggga aatttatatt 360

ggacactgct ctttgtctag caaataaaag atgttaatat attcctgtta ttggcatgtg 420

cacgactgtt attagaagcc actt 444

<210> 7036
<211> 302
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
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<222> (133)..(133)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

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actccaccca tgctcccagt ctacaaaggc tcaagcagcc tcactgacgt ccctgttcct 120

ttccaccntc ccncacccca ccccatccct ntaggtcaca taccttctag agctcctgag 180

tccgctgtca ttactcacca aatacccatg tctgtttatt tgaggagccg gagcaggggg 240

tgtggtgaaa gcactttgtc acttacagta tctgaggatc ccctgctaca ctgatgggag 300

gt 302

<210> 7037
<211> 255
<212> DNA
<213> Mus musculus

<400> 7037
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gtgactggct gggcctctac aggcggtttt tcaagtcccc ccattttgat ggctggtatc 120

ggcaacgaca caaagagatg gcccagaagc tggaagctct gcacctggaa gctatttgtg 180

aggcgaacat tgaggcttgg atgaaggaca agtccgaggt ggaagtggtc gacctggtcc 240

tgaaacttcg ggaga 255

<210> 7038
<211> 393
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

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<222> (332)..(332)
<223> n is a, c, g, or t

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<222> (335)..(335)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

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ccctttggga gaacattcta gttggtaagt ttattacctt tcaaaatgtg cttggcacct 120

gccttaaata gcacgaacat attgtgcaca tctttaaatt aatttaactg gcaaaaaaac 180

aattacattt taaactaaaa ctgagactga gaacagtacc caatctgtct tttaaagctt 240

ataaaagtga atcgggtaca attagcaaaa agaagaaaga agacactgaa tttatgacgt 300

tttacagtaa tgaagctata ctttgntctt tnttnccnag aactgcgatt tttctctgta 360

tgaattataa cttagtctgt gttggaactt tga 393

<210> 7039
<211> 515
<212> DNA
<213> Mus musculus

<400> 7039
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atggccaaag ctccatcggc tgcaagaagc ttaccgtctg cctccacttc aaaggctaca 120

atttctgatg aagagattga acgtcaactc aaagctttag gggtagatta gatcaaaagc 180

catacatact gttctcactt gagtctaaag tgagtccggt gtagattcct tttacaaaac 240

acattcattt tgcaaaaatg aagaccatga gtgaacagtt atttcctgac ccatggctac 300

tttgaatcct ttgccaaaga gtgccaatga tgcaaaaaac aatgggagca gtttggctct 360

taggtagaag caccctggtc tgaggggtgt gcaagctgag ttcttttgtg catggcatag 420

ggagacgacg gtgtcactgc ttagtgttgg gttgggttct aagttgtttt acactgaaat 480

cagacttcat gtttaatgcc attaggcgtc aacgt 515

<210> 7040
<211> 243
<212> DNA
<213> Mus musculus

<400> 7040
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tggttatttg tcaatgtgca gtttcctcat ttctgtcttt aaatatgcta ttatcatttc 120

aggtatttgt aaatttgagg atagatttgt tctgcttgac ttttctaagt tctactactg 180

ggttataatt aaatattgtg tagtattact ctgggtttgg atatgctcat ttgatttcta 240

tag 243

<210> 7041
<211> 534
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

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<222> (112)..(112)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggtgataaac catttttggc ccctaacgac ctgcaaagca agcacctgca gnctaaaaga 120

agaatctgtg aagttattcc gaggcgtgaa gaagatgggc ggggaagagt tcagccggcg 180

ttacctgcag cagctggaga gtgaaataga tgaactctac atccagtata ttaagcacaa 240

tgacagcaaa aatatcttcc atgctgctcg aaccccagcc acactgttcg ttgtcatctt 300

tatcacatac gtgattgctg gtgtgactgg attcattggt ttggacatca tanctagcct 360

gtgcaacatn atcatgggac tgacgcttat caccctctnc acctgggcat atatccncta 420

ctctgncgaa tatcgagagc tgggtgctgt aatcgaccag gtagctgcag ctttgtggga 480

ccagggaagc acaaatgagg cgttatacaa gctttacagt gcagcagcaa ccca 534

<210> 7042
<211> 484
<212> DNA
<213> Mus musculus

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<222> (71)..(71)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

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<222> (289)..(289)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

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<222> (335)..(335)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (412)..(412)
<223> n is a, c, g, or t

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<222> (442)..(442)
<223> n is a, c, g, or t

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aggagacctt naaagaacat gatctctatt ctcagataac tggggacagt cattgagctg 120

gttcagggga caatcaactt gttctctctg ctgctaaaag atcctgtcta tgggggacag 180

gttgcaggag gctgtgcttt gtgatgggat actgtagctg gattgactag acagtggctc 240

agagtcccgt ggccacagag caggaggcta cagagcagga agctatncna aggagttagg 300

ccnttcagaa ggcagcctgg tttctatgan tctcnaggcn aggtggctnc cttggttcta 360

ttgaaattac agctccacct ctttgatctt gccaagccaa aatgtatcgc tnataggagt 420

ggagacaccc cagcccgacc tntaccttca agtgcaggtg ttgctaacag tgctcaattg 480

agac 484

<210> 7043
<211> 127
<212> DNA
<213> Mus musculus

<400> 7043
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ctgctgtagg taggaactgc tgtttggttt tagttttgta ccttgtggcc tggtttgtaa 120

ataaaat 127

<210> 7044
<211> 361
<212> DNA
<213> Mus musculus

<400> 7044
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ccgccatctt ggttccagtg ctggaaaacg gtactcaccc cagtttgtaa aagctgccaa 120

gttacttcac tggaatggtc acttcaagcc ttggggaaga actgcttcat atgctgatgt 180

ttgggaaaag tggtatattc cagacccaac aggaaaattc agtttaatcc gaagacatat 240

ggatacctca aacataaagt gaactacaat ttaagctaat tgcgtcactc aggaaactct 300

ggaagacaca ctatgtggga aggtaacagt tgtagggctt gagtttctct ataccaacca 360

c 361

<210> 7045
<211> 525
<212> DNA
<213> Mus musculus

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<222> (293)..(293)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

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<222> (405)..(405)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (494)..(494)
<223> n is a, c, g, or t

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gactttgagt gcagatgaca cagcacttca ggggagggtc aggggctcca gacagtaagc 120

ataaggcact taccgcaagc agtggatggc accaactttt aaaggtgact ttattaatca 180

atggtttcac cgctaaatta tatttttaca gatatgcacc tatgcaactt aatgtggctc 240

ttctaagcag gtgaggacct cctcctcaat gctctataaa gtgtttgtgt tcntgtatag 300

tgagtttccc agtaaatgtg gcttaatact ttaattctta ggatgtntct ttctacgtga 360

tgcagctact aaattctgtt ttgtttgtgg aatgactagc acagnccgac nccctctttc 420

cctcacttac cagaagacca atgagctgtt aatgagcggt tatctccatg gtattactgc 480

taaatgcact gatntcataa gtatgtggaa tccttttcct tttga 525

<210> 7046

<211> 464
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

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attggtgatc tcaagtcata gtgaacatgc cagtgcagga tgcacccccc ctcacccccg 180

agtccttaca ggcagatccc tgcaggctat caagagaagt ggtggatgat catctgttag 240

accagggata gtatacagga cccatctgaa agcatttttt tttcctctca ccactcaaca 300

aatggacagt ttattcccaa ggacggtgtt ggggagaggc aggcagggcc aggaggntct 360

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gtactgagcc atcaagatga cacagcnttt gctgaaggca tatattgttg aatggcggaa 180

attcttcaca cagtgtgata ttttaccaaa acctttttgt caattagagg tgactctatt 240

gggtaaacaa agcagcaata aaaaatcaaa tatggaagac agtattgttc ganagctcat 300

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tgttcctgac actgcctggc agctgaggtt cagccacctc gtgggatatg gtgccaagta 180

ttactcatac ctgatgtcca gggcngtggc atccatgatc tggaaggagt gcttcctaca 240

ggatcctttt aacagggccg ctggggaacg ctaccgcaga gagatgttgg cccatggtgg 300

aggcaaggag cccatgctta tgnttcaagg catgctgcag aagtntcctt ccatcganga 360

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ctgcccctga agggcctgag acttttgagc ctggcctgtc tgttgatgct gggacctccc 180

agcctgactg tggcttcagc acaattgggg acccgcccct gctcaagctc actgctccct 240

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cctgaacgaa cttttatact tgaactcaga cactgcatgt ggatatcagt gctggcattt 180

ntgtggtata cagaagccag gctggaggct agctggtcag gacagcgagg gtcagtggga 240

gcagctgttt gatggtgggt tttgatatgc tagagttaca gactgcagcg tgtggcagtt 300

agcatcagta nccttaaggt tgttgtgacc ttcctgtgct tgggaatctt antggtttcc 360

tttccttgtt ggagccctgg agtgagtgag gaagctgaga cttggggtgc atggaaagct 420

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tccctgtggt cagtgctgcc agcatctttg ccaaggtggc ccgagacaag gctgtgaaga 180

actggcagtt tgtggaaaat ttacaggatc tggactccga ttatggctca ggctatccca 240

atgatcccaa gaccaaagcc tggctgagga aacatgtgga ccctgtgttt nggcttnccc 300

cagtttgtac ggttcagttg gagcacagcc caggcca 337

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cccaaaagca ggtgcttccc caagagtcag cccccacccc ccaagtgcca cacactatcc 180

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cttgggacag ttcaaagtgg tgggtcagac tgtaggtcag tatttttatc agtgtcttcc 240

taggtaaggg ctaagaagat cttaaaactc gggggagagg gactccactg tgacaatcct 300

ttgaccctgc ctcatttcag ccctaccttn ggcgttctgt agacaccttg ttcattgttc 360

aaanccaaag ttattccata tgaaagggca tgctcctttc ttcccancct acacagacga 420

acccttnccc aggttaggat aaacacaatg ggcccggaaa ggagctttgt gtccagagac 480

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ggtgacccgc agctgaaagg tgagcttgga gaccaagcca gaaggttggt aacatgctgg 180

ggcttgcgtt gtagtcctgc cgggcttgca ggccagttcc ttccataggg ttaagattaa 240

ctggtacaaa acaatcactg caccactgcg aaagacctga aggagttcca gaaagggcaa 300

agcagcttcc cagtgtcctc ctggccttgg cagtgtcccc agccaggagc ccttccactc 360

ccaacactgg gagcaggctt caccaggctg ctntcataag ccatttgttg agggggcctg 420

gatntcaggg ttcccatggt ggtggtgact gtgggaagag agcagtacta cttcctactt 480

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gccgcctgct ggcctgatgc cgagggagca gcagcatgca gggaactgcc ctgtcctgtg 180

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taatagagaa tttatactta tttttacttt aaaagccatg gaagacggtt atgtatctta 180

aactgtctag agcatttttg aaagcacttg tcttgtgtac gtgcatatta taccgtgaca 240

gctttcatcg tcttgtctct cgtcagtaga cctncagtac antctgtggg agatgtcant 300

caagttgttc agcaccagca tctgtccaga tgttcagtat ctgtggctna ggntnctgta 360

tntgagggat gtgttncnat tttctttacn aacactagag cacacagtag aagnatagta 420

gtttcattag taatatgaca catgtatata gtgagatntn ttcattgtgt gctttgcata 480

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ctaattacgc tggacaaagg ctcacctatc attgtaccag tgctcatctg actgatccaa 240

acaaggcaaa ctagtccttc ctgtggcggg ggtctagcct aagagggtgc ncacacacgg 300

gaagtgtggc ggtggactag tgtaagtggt gtgacacanc aggaggcctc tgtttgncct 360

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ccttgaggtc tgaaggattc cacactcgag gatgctgacc taagccagag ccatctagtt 240

gcccctctgg gcnaactttg ggaattctgg gatcccactg tcttgacagg ttcctagacc 300

ggagcgcatg ctggctatta ctgaacacgn ccatacttga gaaacaaagt ctactntgta 360

tttgacagct atttatcacc aagacaactg taaagaaatc aagcnggcng actgtatgat 420

tnctatttac ttaaagttga caacgttaat gagtaattcc cctcaccccc caaaaaaaca 480

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ataatataca aatatatant aancataanc tattttgctt aaatttctat gatacgtgaa 180

agtgaaaaat gatgaagaca ggagtgcctg tctgagtttg gcctcctngt cggccctgcc 240

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accctcannc nnccnnnccn atttcacttc agtttgatnt ngnaanttcc ttncaggncc 360

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cacagcagcc ccagctctga tgggagacag aaaaccgtgt accagacact gcccgccaaa 120

ctgctctgga ggaaataccc actgccggag aatgcggaga acatgtacta tttctccgag 180

ctagccctga ccctcaacga gcaggaggac ggcgtggcgc ccaccgacag tcgcctgcgg 240

ccagaccagc ggcttatgga gaggggacgc tgggacgagg ccaacaccga gaagcaacgg 300

ctggaggaga agcagcgcct gtncaggcga cggcggctgg antcatgcac gncannnnnc 360

gntggggagg aagagaagga ntnagatgnc tatgtnccnn tntggttcga gaagaggctg 420

gacccgctga ctggggagat ggcctgcatg tacaagggcg gctactggga ggccaaggag 480

aagaaggact ggcacatgtg ccccaacnnt nttntgagcc antcctgcgg caaatacagg 540

cgcctgcact 550

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aagtttttca gaaaaggagg cacatctcat tttgtattag atataatgag ttcataaatt 180

attactggca aatgttatca aacttagtca taacccgaat tctcttactg aacaagagaa 240

ataagtcaat gttctgctgt cctcctnntt nannnnnnnn nnaantnnnn ctttgaagtt 300

cttttcaatg tgttacattg tatcctttnt ccttcaagca tcttcccttn atgtgttttt 360

gctcaggcaa ccatgggcat agagtattga aaaacatnca gtgctttngt atagnccatc 420

tgtacataaa agtgtaatta tttatttaat tttntcattt gtaccatatt aaagctttgt 480

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<212> DNA
<213> Mus musculus

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aagcaagaca ggcaccatca gggacagaat cctaggttga tgcaccttca gggtatcctt 180

tctttatttg cagctaaggc tctatggctt aagagcattc cttggggcgt gtctactcat 240

tagtttttgc tctgcaagct ccagnatgtn tctactatag cctcttttaa aactatgacc 300

ttnaactgna tctgctcagg gatgtactcc tnaactaanc ctnccccntt gntcantcct 360

ggnccnatcc ntacgtgnat gngtataggc tntncggaat acaattccca tgcttgcttt 420

att 423

<210> 7063
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<223> n is a, c, g, or t

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acctngacnt cctgccgact acgacgactt tgtgaatgca atccgcagcg ctcgcagcgc 120

cttctgcctg acacccatgg gcatgatgca gttcaacgac atcctacaga acctcaaacg 180

cagcaaacag accaaggagt tgtggcagcg ggtctctctg gagataacca ccttctcccc 240

ctgagtctgg tccctggagg gccctattta gggacacagg cctgtggcta tggggagccc 300

tcacacagag ggtcaggcga ctcttggctg gacagatcat ccccactcaa ttc 353

<210> 7064
<211> 101
<212> DNA
<213> Mus musculus

<400> 7064

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tctccccttc ctctccactt caacaccatc tccaggaggc c 101

<210> 7065
<211> 322
<212> DNA
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<223> n is a, c, g, or t

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atggccaggt tcaggtcagg tgggcgctgg actgaccttc tgcagagaac acgccccacc 180

ctactgcagc ctgtgggcca catggcagcc ttctgacggt gtggattttt aaactgtgtt 240

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gagttcctct ccaaggcttc aaggctctgc aaggcnnnnn nnnngcggca gggccccgnc 180

tgttcaccat tcacctgata gacgccaata cagacaacct gcccaaggcc catacctgct 240

ttaatcggat cgacatccca ccctatgagt cctatgagaa gctntatgag aagctgctga 300

cagcggtgga ggaaacctgt ggctttgcag tggagtgaag agcagccagt ggccacagag 360

tcttgctcac aaccaccaga cccaaagnca tatggcgtct gcacgcctcc cgcgtggcgg 420

gctgaggcct gagattccag aaac 444

<210> 7067
<211> 357
<212> DNA
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<223> n is a, c, g, or t

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cctgtacagc atcctctcca tcccgtccat tcgagaggag gccagagcca tgggaatgga 120

ggatatcctg cgatgcttca tcaaagaagg caacgctgaa atgatccgcc agatagagtt 180

tatcatcaag cagctgaatt ctgaagattt actcgatggt gttcttgaat ccgacgatga 240

tgaagatgaa gatgatgaag aggatcatga catcatggaa gctgacctgg acaaagatga 300

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<210> 7068
<211> 487
<212> DNA
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aaagtgatga tgaggagata ccattcaaat gtttcatctg tcgccaaacc ttccagaatc 120

cggttgtcac caagtgtaaa cattatttct gtgagacctg tgcactgcag catttccgaa 180

ccactccacg atgctatgtt tgtgagcaac agacccatgg ggttttcaat cctgcgaaag 240

aactgattgc taaactggag aagtatcgaa aagcagaggg tggtgcttcc agcaccccag 300

aagancgccg atgggatcta attgccatta cttagatntc ccataattnt caaatntcaa 360

agtacttttt gttttggtca tctcaaacca aagcaatcac agttgaagaa atactaagtt 420

ttctaggaag aatatccaag ttttgtttta tatgacatgc tggagatgga atcaatacag 480

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ggcattcggc agttcctgct cactaacctg gtnagaggtg ggtgggcgat tctcctggag 180

actgaacttg gatacgttag ctcagcactt nggacaagat aatgaccttt cctcagcaac 240

gtgaacccta ctcggggcca actctcttcc tgcttggtgg aaattctaca tatgtacaac 300

ccagccacca ctcagagatt aggcgactct tccctcaagc ccagattcag accgtgccta 360

acgctggcca ctgggtccna cagcgacaaa ccccaagact tcatggatgc tntcaccagc 420

ttcttggctt aagaagtagn tccttggaag agcagccagg ggactntnag gcttgggatn 480

tgtgccatct tgcttctgca cagaaaaact caggggcacg gagagggtcc aggagtacag 540

aagtggccca acac 554

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<211> 306
<212> DNA
<213> Mus musculus

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aaacaggcag tgggacgcgc aggcttcagc acctgcagca ttagctgcag acataagtgt 120

gcatccagac cagagacaac ttagaaatgt cagagaacat cctttcggat cctgtggagt 180

aagagagaga gcactaagcg atagaaccgt gaagccgagc accaggaccg cgcatccact 240

tgggaaccga gttgagcaaa cagcatgaac tgtttgcagt tgatgcctta cttcctaatg 300

tgtact 306

<210> 7071
<211> 71
<212> DNA
<213> Mus musculus

<400> 7071
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ttgatgagct g 71

<210> 7072
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gtacagtttc tggagaaaga cccttccctt acagaaccag ttattagggg gctaatgaaa 180

ttttggccta aaacatgcag tcaaaaagag gtcatgttcc tcggggagct ggaagaaatc 240

ttggatgtga ttgaaccgtc acaatttntt aaaatccnag aacctttntt tnnacnantt 300

nnccaagtnt gtttctancc cccattttca ngntggcaga aaggncactn tattattggn 360

ataatgaata catcatgagt ttgatagaag aaaactcnaa cntcatcctt cccatcatgt 420

tnnnnncnnn cntttatagg atttcaaaag agcattggaa tccgnccatt gtggcattgg 480

tgtacaacgt gttgaaggca tttatggaaa tgaacagcac tatgtttgat gagctgacag 540

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<212> DNA
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gtttccacct caggagcccc ctgntgaact ccatccccaa catccacagt ctaccttgaa 180

tgaatcttct tacactcagt acatttacan ggtgtgaatg ggaggaagcc agtgagccag 240

ctgattcagg gtgttgttcc ctttcctgtt ctggcaacac ntcttgagaa acaactgagg 300

tgactncccc tccaacanca ntccaagagg agatacaggc tgtagntntn tantccttaa 360

catgcagtga aagggtgctg atgttcaatc attttctgtt caagttttgg ttaaagtttt 420

gntctttatt gttttattta ntttttaggt tttgctgaag ttatatgttc ttatttggtt 480

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<212> DNA
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atgccctcag acatggacag ctagagtctg cagattgagg ccaccttacc tctggagcca 180

gcaggggacc tttcgctgct acaccagcta ccggggttct gctccgtctg gcttgtgcct 240

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cttcaaaata cttgacancc ttttccaagg cctggtgtgt gtgtgtgtgt gtgtgtgtgt 480

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaaagggtgg cgctgtgtat tgatgggcca cagcgatttt gcttggacag taaacactta 180

cttggaaaag aggctactaa gcagagacac ctgcggttac ttggttacca ggttgttcag 240

cttccctatc atgagctgga gctgcttaca tcaagacttg agttggtgga ctatttacaa 300

aggaagctgt tttctcaaag ctccnctgtc cactggtaat agaggaaact ggcttcagga 360

ttctcggtga aaaagatgat atttgtaaga gagacagttt aatctgtgaa ttanccactc 420

tatggaaatt atgtttacag acttgggatc tgaaaagggt ctgcggtttt tcttatacca 480

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ct 122

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tccnggatgg ggaaaaataa cgtccttatn gtctntgtac nngacccacc gnttgataag 180

aagaacnnca ccatcaaggt cacnatgcta attngngtaa aaacaagtaa ggatgcggat 240

gaantgcaca aaattttant ncagnaaann ggatgcctga acacatngaa tccacccgga 300

aacttgccna agttcctgnt ntttgntcc ntccccaaac gtaatttttn atccttttan 360

ttntgatacc ctaagcgctt ccaataacaa aaatgttgtg agcacaatta agaccaacaa 420

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taagttatgc ctgtcctaaa aacatgcttg gcgagcgtga gcctccaaag aagaaagaga 180

agaagaagaa aaggaaactc cctgaaccgg aagaagaaat tgaggaagta gaagtgagtg 240

aagaggaagg agaggacccg gctctggaca gtctgantca ggccatagcg ttccancagn 300

ccnannnttg annnnagagc aaagcaaatg gagacccaac ccaggggntc cctcgacctc 360

agatgattcc agacgaccaa ggataa 386

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agggtcattc aggcctctca agccaccaga ctcatctggg ccactccaac caccagggtc 180

atccaggtca ctcgagtcac cagagtcacc agggtcagcc aggtcaccca agccaccaga 240

gccataatct gcccaaccgc agaaacccaa tctatggctc ttgaaaccat gtgtccctnc 300

cccccacagg nctggntntn atacataggc ctnttttntn ttctatgggg aaacntannn 360

nnntcaggnt aaganactnc caaccaaatt cctnntgctt ntnnccccan caganntnca 420

tgagggaagg aggaaaggac gcagcttcaa cagcccaaag gccctgatga cccacgagag 480

aagacaggag gcagattaca ggagcaacca caagccccac actgantcca catgcctgaa 540

tggagccaat a 551

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cgccatctgg aagaagggat tggtggtgaa gggcaagtat accttcaatg atgggctgca 120

gtatgaggac aaacactggc actactgtga cagctatgac cggaggttct acaccgagat 180

ctgctatggc ctgaagccct caggtatctc tcagctcacc aacatggacc cacccagaag 240

aattcccctg ggctactatg actgtggaga tggcttctat aaccccacga ccagggtcat 300

caaggattac cggaaccgct ttntgagaaa tgctgatgat gacgaacatg agtggattnt 360

caggacctnc cgcaagggct ggttgccaat gcccaaacag aa 402

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actctatcct gcttatgttg gactaggggt gctgccaagg aggcctccgc cttggagctt 180

agcagctcag gtccctcctc ttcccacttt gcagggcagg agcgtctcga aagttccttg 240

gtggggacga agttcggctg atagcaggag tctggaaccc ctgacgctta caacttccag 300

cctccctctn aatgagactc ttgggagctg tgcacaaagg gtgggtncan ntgcaacacc 360

accataaaga agagtggtnt cggtgntctc acgatgntnt tcnctggcta ctttatcctg 420

tnctgtaact ggagcttcaa gcatctgaag ctgcagcact ggcgtaagta atggcgagca 480

tntccgggag ccacagagag tgacaga 507

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<211> 474
<212> DNA
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agccatcagt aagatttgcc agcaaggaaa tttccagtat gagaacttct tcagctatgt 120

tacaaacatt gatatgctgg aggaatttgc ttatttaaga acccaagaag gagggaagat 180

tcatctggaa ttactcccaa atcaaggaat gctgatcaag caccacacag tcactcgagg 240

catcaccaaa ggtgtgaagg aggacttccg cctggccatg gagcgccagg tctcccgctg 300

tggtgagaac ctgatggcgg tactacatcg cttctgcatt aatgagaaga tcttgctcct 360

gcagactctg acctgataga cctcctggcc accagcggct cagccatgac aagcgctgcc 420

agaccagggc tgatgaagaa gaaaaacacc aagttctaac tcccttagtt gctt 474

<210> 7084
<211> 330
<212> DNA
<213> Mus musculus

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accactggga cgcggccatc catggcttca gggagacaga gaaatcctgc tggtctgatg 120

caagccaggt catcctgcag cgggttcggg cggctgcatt tggtcctgac cagagcctgc 180

tatccccagt acatgtgttg gacctggaac ctcggggcta catcaagcct catgttgaca 240

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agctggtgca tacacaggaa cctgagcagt 330

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cttatctaat ttaaaacagc tgtgtcaaga ttattcaaac gttcaagaga aaggaccaaa 180

gggaacggga aagtatgatt catctagcct tccagctctg ttatttaaag caagaagcat 240

tctgggcgcc gaaaaccacc tgagaaccat caactatcag ctggggaagc ttctcgagct 300

ggactgagaa ctgagcctcc tgctgccttt tctgctcctg aagccatgct cctgacagca 360

gcggcctgtg gtgacagtag tgagacctgc ttatcagggt gtactaccgt tttgtcattc 420

aaactaaatt acaccaattc agttgtctaa taactcagaa ggcatagcca tatttttgag 480

tattgtgtta ataaatttca gtntcttgac aggttagtca tcaccaggca taa 533

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tgtgccattt ctcaggagtt acacanttct nctgtcannt gntnttggct ntnaggccac 120

tggagaaagt acaaggggtg acagggagat agacaggacc ctgtgaatct gacatggttc 180

atgtgtggat acagtcagta ctgcgccctg ctaacacatt ggtctttcca ctagtattaa 240

gctgagccct gcttcatgcc acgcccctac tttcctgact gtcaccacat ggccaagggc 300

<210> 7087
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<212> DNA
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tacttttcta aggagaagga atccccagat ggaaacaacg tggcctgcat cttgaccctg 120

cctccctacc agcggcgtgg ctatgggaag tttctcatcg ccttcagtta tgagctctct 180

aagctcgaga gtactgtagg ctccccagag aagccactga gtgacctggg caaactcagc 240

tacagaagct actggtcatg ggtcttgctg gaga 274

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ccagatgcgt tctcttgttc ttgggagcgg ctgcatgagc tgcacgttct cacagcaccc 120

actttgcggg cttggctggc ccaaaatggt gtgcagctct gcgccattga tgacctggat 180

tccaaaaggc ctggggaagg ggtccccttg tgaggcaact ctggaacctt tcctggagcc 240

ttcctcactc agacaccgaa ggccagctac aaactgccta aaactatgga ggaaggccaa 300

ggctaaagtt ccagttcagt caggccttgg agcagggtct gacttcctag agtgaaaagc 360

cactaaatcc tgtttnccag ntcctctagg ctgagtagtg agtagtagnc cgaccttggg 420

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cgattatttg gtgccagttc gtgttgtagt tac 513

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atgcaacagc gtgccacctt gcgaaaagaa cacatcgcgc tattctgttt tgcaagcaga 180

aaaatttgct ctctccagct aacgcagtat tangttgtat ctggaggtgt tgcaagtaac 240

ttgtacatcc gaaaagcatt ggaaattgtc gcaaatgcaa cgcagtgcac gttgttgtgt 300

ccacctcc 308

<210> 7090
<211> 81
<212> DNA
<213> Mus musculus

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agtagaagaa actctttctg cctgtagaat caccccaagc gatctctcag caattgcaac 120

taccatcaaa ccgggactgg ccctaagctt gggagttggc ttatccttta gcttacagct 180

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ctattaggct caccaataaa gtagaatttc ctttttagt tcttttgatt tctggcngnt 300

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aacctcgccc gaatcctanc tgtntagtga aggccatggn tccatactga tgttgtgntn 180

atagaaggga ctttgtgcca cccaccnatg agagaccata aaggctgttg ctacccggcc 240

tggnccacca ggctccacac catggtgttt cccctnctgg ccatccagca caggtcncca 300

agcgcatntn ttttcactga taatcttttg atagttttta tatgacacaa tccttattgt 360

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aaaggtggat gcccaaggtt tcgctccgga ggacttggtg gtgcggatag acggccagaa 180

tctgacggtg accggccagc ggnaacacga gtcgaatgac ccgagcaggg gccgctaccg 240

catggagcag agtgttcacc gacaaatgca gctcccncng accttagatc ctgcanccat 300

gacntncanc ctgaccccnt ntgnccatnt gtggctcagg ggacaaaaca antncctacn 360

tccccctgaa gntnnaanca ggccantnnc cnagaaaccc aggaggggag ggcctaagag 420

ctccttacaa aacgaaagtg tgaagaatcc ttagantntn ttagcgttnt tcctgcggga 480

gaagagttga agcccaaaca gantcggccc tgagantcag gaggggaggc cctaggcact 540

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cannnggncn nnnnnnnnnn nncnnnnnnn nggnanngnn nncnggccat gcaccggacc 180

aaactcaagg acctagctac ccagacttac atccgctggc aggacttgct ggcccactgt 240

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gccatgtcgc catgccaaac ccaaggtttc agagagcact tgttctcaaa ntttcctgan 180

ccnttttttt ttttttngt ttgtttgtta attggttttt tttttgttnt tgttttttt 240

tttngtattt ttttttttna nctccgggcc tgggcactgg ggagcaggtg tgccnncccn 300

nggcctggct gtgtncctct caaaggatcc atgggcatnt tgggcacatc ctactttcct 360

gagacgggca ttgcacgtgg ggaccccaan ccncctcaga ccctntggnc ctcccttccc 420

cagaggggag cccgggcaca cttgcatgct tctggggatn tgctccttaa cgtttttgag 480

caatttctgt tccagctttg acctccattt gcagctgttt 520

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gaaagtggag ccctgcaacg aacacgtgca agctaagctg tcctgggccc aggagaggga 120

tgacgaggat attcctactg tgccttcgac gctgggcgag gagctcatgt acaacccttt 180

cctgagggtg acagaggatg ca 202

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<212> DNA
<213> Mus musculus

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gggctcagca gatgaaatgt gtgaaaagaa cttgttggag aaagtagcac agaaaatgca 180

agcccctagt aaaattcatt ggattgaaaa ggcaaatcat tccatggcag tgaaaggacg 240

gtctacaaat gatgtattca aagaaataaa cacacagatc ttgttttgga tccaagaaat 300

cactgaaatg gacaagaaat aattgtcatt aaaagccatg ttctgaataa aagtacggtt 360

ggttaatttg ataaagtata cctctcactc agcattgtga gatgtatttc agactaatgt 420

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ttacctcagc tgcccaaggc tttcgagcag tacttgaatc tggaagacag taggctgctg 120

agtcacctga agacgtgttc tgcagtgtcc aaactgcctt acgacctctg gttccaaagg 180

tgcttcgcgg gatgcctccc cgagtccagt ttacagaggg tctgggataa agtcgtaagt 240

ggatcctgta agatcctagt ttttgtagcg gtagaaatac tattaacctt taaaataaag 300

gtcatggcat tgaacagtgc agagaagata acgaagttcc tggaaaanat tcctcaggac 360

agnctcagat gccatcgtga gcaaggccat cgacttgtgg cacaaacact gtgggacccc 420

agtgcattcg gcctgacagn tngtgactac atgggcagtn tgcaggccct ccctgagcac 480

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aaatgtaact accacccct 559

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gagctgtggg cgggtcggac tcgcgtgcct ccacagggtc aggaacctgt g 111

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gctgcctgtt gcctctcccc ttccgtctag caatggccac aggtttcggg accagctggg 180

tcactctcaa agatgaggcc cacatgaacc tgctgggatc ccacgaacac atattngacc 240

tnancacagg gantgancng gntttgaatt cagagaaaat ngaggnnntc tagacnagag 300

gggtggggtn cttggtatcc ncacacgaan caatggaatg gagacattga agctnttcct 360

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atgctgattg tcactaatt 439

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caacttcacc ttctggaaat attttggaat attcagccta cttggctatc cgcacagcac 180

agatgcaaga taatccaagc caacttgtat tcatgaggat ctactgtggt cttaaaacct 240

catgtacagt gactgctggg cagcttgcaa atgcncatat tgattacaca tccagacccg 300

ccattgtgtt cagaatatcc gcaaagaatg aaaagggcta tggaccagcc acacaagtcc 360

gatggcttca aggtaacagt aagaaagctc ctttgagttg agttgttttt tattaaagct 420

gttgtgatag ttatttatta gtaactggtt atgaacatct gttctttgag agtattctct 480

gactgtattt ctagcagtta tgaatttgag tttgtaagtt gttcttaaaa tgtatttgct 540

cacttctaga tccaa 555

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catccagaaa gggtgggtgc tgcacggctt cccaagagac ctggaccagg cccggatgct 120

gaactccatg ggctacaatc ccaacagggt cttcttcctn ngnntnncnc tggattccat 180

tctggagcgg ntgacgctga gaaggacaga ccctgtcaca ggagaaaggt tccacctcat 240

gtanaagccc cntcccacca tagaggtcca ggtccgcctc ctgcagaacc ccaaggattc 300

agaggagtnc atcaagctnc aaacggacct gttctacagg aantntgggg atctggagca 360

gtactacgat cganccatca ttgtcaacgg agaccaggac ccatacacag tttttgagta 420

tatagagagc gggatcatta ntcntntgcc caggaaagtt acctgatatg tgcgaagcca 480

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<223> n is a, c, g, or t

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agaaantgga gccctgcaac gaacacgtnc aagctaagnc tgtcctgggc ccaggagagg 120

gatgacgagg atattcctac tgtgccttcg acgctgggcg aggagctcat gtacaaccct 180

ttcctgaggg tgacagagga tgca 204

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gactttctag attgcttact gtccaggttt gaagacaaag accatcaaat aaattatgag 120

atatttttct ccgtcctgaa ctggagaatg aatccaacac cggatttgca agccccgcca 180

taccttaaag agaaatgtga agacgtttgg gtgggaatgc catcacctat tcctgtgaaa 240

tacgttagat acttagactt tttgattgat gtatatggct tagaggacaa catgctatga 300

nggttttgat caactntctt tgatttactg ttctcattat nccatgttta ttttaataaa 360

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gtggtccatc ccctcccagg cttctaactc catgttcaaa actagatgtc actgtatgtc 120

atgtgttaga gattgcaggc cttgagggac tagagatgga catgatgggt cagcatccta 180

cctcttcctc ctgggagtgc acacttgtta ggcagctggt taatcttgcc agagcagtga 240

ccaaaaaaat gtcacctttg aatgcatgga aactntcaaa gtgttttctc agagtagctt 300

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cctgctcgaa tccgtcccag tgccctggag aaaagaaatt ctgtttgttg gccgtcacac 180

gaatttttga acgtttcttc tatgtgtcga aacagtgcac ccgaaggtgt ccaacccccg 240

tagtcagccc gcctagcact aatccaccat ctgngcctaa ggagtttntn atagaaaaac 300

ccatnccctt cntattttat aantgctntc aatgggantc atntaatggt gagggnccac 360

ccactgacca gntcttaaag gaacaacctg ggaaagccag tgggagaaga catagataca 420

ttgagctgtt actgactggc ttcatgntcc ttactgctaa tggcctntca nccntntgcc 480

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acatttcccc ataacctttt gctgatgtgg ttcaatttat ttctctcagt catgaaaatt 180

atttatttat ttatttattt ttatttattt gtttgtttat ttatttattt attacttgtg 240

agtcaccagc tgccaagtat ttgcattagt ctggtggaga ctttgagagg actgtgcttt 300

tctgttcccc tcccccagaa aagaaggcng gttggttggt tggtttgaac cacctctctt 360

cccacntgct gtttccctca ccatggctta cttnggggga ggggagggct tntaccagct 420

gattcccttg ttgtacacna gatggctaga cattttgta tattagtgtg ttttaagtta 480

ttgatttgtt ttatatgaaa taatttattt ttcaggtacc attttttttt tcattttaac 540

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gagtttttat agagatncca aattgatata tttacatgta atggaaacat aaaaaaagtt 180

ttattaaaca attgttcatn nctgtntaga cattttaatt cagcttccna agctnttcaa 240

antcgtnttt tggagatgcg gggtgttaac tgacgattcc naaccantca gttgtctgaa 300

gactcggttc cttc 314

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agcaagaaat gggaatgtaa tgagtgtttg cctgcttcaa ccacgagtta ggctggaagg 120

atggtctgct attacatatc tgaagactca ggcaacaccc cctgttgcag cagcaccttc 180

tgcccccatg tgtatttctt aagggctggc taccagcctg gaagagaatc ccagctcttc 240

tggactgatt ggctacaaac ttccctctta gaaaagcccg agtcctctgg tggaagaagc 300

tgcccgtcct ggtgatccaa aggattgcaa aaaatccaag taatagcttc agggcggttc 360

ct 362

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agatcgtgct gcttttcccg ctggacaagc ggcancagct ggccgaggca gcggcgggcc 180

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nntnnnngnn aanntnnnnc nncacacaca gcagatccgc actcgaagtt tcctgggtac 180

aaacccaatg caagacatta agacagccaa ccaggacctg gaaaccacta agaaacttca 240

ggaggagtta aggaaactga aagtggagat gaccttgaac anagaccatc catttccntc 300

tttcantgga aacctttcac ttcacccacc agcatcacan cctcaaaata tatttttaa 360

cacgaantcc taggaaggca gcgctntcag caggagtgac aagtaccttc cacacgagga 420

gctgctntcc cccatgtgtg tggggactgg cctggatgac aantncgcgg gtaantcgcg 480

gntnttcagc tgccacacag gctatggctt ttaatagacc tgattccttc ctgaggctat 540

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agctttggtc acagacatga cacctgagtg catttatggt ttttcccagg gcaagtctcc 180

tgggagtctt atctccaagt ccccacacat cttgccagat atgccaagaa tatagnccct 240

anccactcat atgtgtgaac cccattcaca tngaagtcan gagggcagcc ataggantca 300

cntntcntnt gggtgatggg agtggaacgc aggccataag gcttggtggc aagtaaaccc 360

atgantnatn tcactgnttc cgggaaccan tctgtagnct aggnccatgc cagtntcatg 420

cntccttaaa ggcctaacgt aatacttgga gggaaaactc gctaagtgct ttctntcaaa 480

gatgtagagt tcctgattca gtgccccttt atta 514

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ctcggtgcca gcagcagccc gagctgggcc caccccagct gaggaggtca tggaataccg 180

ggaggagggt cccgaatgcg agaccccggc catcttcatc agcatggacg acgactcggg 240

gctggctgaa accacactgc tggactctag tctcgagggg cccctgccta aggaggcagc 300

agcagtcggg tcgagctcca aggatgagcg gagcccccag aacctcagcc atgctgtgga 360

agaancccttg aagacctcca gcccagaaac cagggaaccc gagagcaagg ggaacagctg 420

acagctgcgg gagtttgggg ggaggggagg ggcgggacgg ggcctcctgg agctttgcct 480

taacacaaat aaaagagggc gtagctgcgc cag 513

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gctacgtaaa atgcaaggtg aaaatattta aaaccataat tagctcactt tattagcatt 120

ggcaatactg tttgtataca tgaagcactt gaatgttgta tcttttaaa 169

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gaacacccac tgtcagctgg tctatgaatc tgtcattgct tgtgagtacc tggatgacgt 120

ctacccggga agaaagctgt ttccgtatga cccgtatgaa cgagctcgcc agaagatgtt 180

attggagcta ttctgtaagg tcccgccttt aagcaaggaa tgtctgatag cgctgagatg 240

cggaagagac tgtacggatg tgaaggtcgc cctgcgtcag gagttgtgca acatggaaga 300

gattcttgaa tatcagaaca ctaccttgtt cggcggagac tgtatatcca tgattgatta 360

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cctaataccc tcctcagcct ggaggactta ctgacttcag acatcacttg cggatgtttt 180

gtgtagcctg cttcatctga ntatgtgccg agtggaagaa tgggtgttgg gnccaanccc 240

ctcaagtctt tgaacctgga natgtnttgg ctcaattttg agtttcacct agcttagggt 300

ccacactgnn agacccttag taaatgnttt nccctntntn ttgctcancc antagtntnt 360

gacacacgnt tnttntcttg agcagaggat gctgatntga accttntcac aggatntgaa 420

gccacttggt aatttagttc cctcatgtag gcccagaata gcatatactt tgaaacaaaa 480

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ctcctgaaga attggggaaa cttcccagaa ggttgtcagc ctctctccgg caggagcttt 240

acagaggtct gtggacactt cagagcaccc acacgggcca gagaagtaac tggtcacgag 300

gcttccc 307

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taccgtgcca ggacagctga cagagtgccc tacagtgttg tccccagctg ggtgacagag 120

gctcctgtag ccccttttaca agtccggttt actcctcang cagagatgga tctgaggaag 180

ctcaattcag gagatgctag tcagccgtca tttaagtact tccactccgc agaggaagcc 240

aagcgtgcca ttgangnctg tgctgtcagc agatcctcgg tctgtgtacc nccggaanct 300

cntgcngagg accnccttttt nttcttcact gtggacacan cacatntcac ctnctggttt 360

ggtgatggct tcgcagaggt tgtgaggatt aaactggctt ctgagtctgt tncaggtggc 420

tgaccctgag gaatcctt 438

<210> 7119
<211> 420
<212> DNA
<213> Mus musculus

<400> 7119
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cctcccctat agcaaatgag gcccagcccc acagtcacct tcgccagggc cagagggatg 120

cactctgggc tccagaagca ggcaggtacc cgagtctatg ctaggacctt aagcaccata 180

aattaataat ttatacctaa ttatgtaagt tgccttgcta aagtgacagg tgttttgcat 240

tttcgatcgc ttgttttcct gtttaagtat aaacatctcc tgcctagagt tctaaatgtt 300

aagtccttgc tgacagtact tgttagattt catactagga acaacactgg gtagtgtacc 360

tggtagaaga gcctgttgct gtgttgaatg tgagaaagtc acttcagatg tcattctttg 420

<210> 7120
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

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<222> (433)..(433)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

<220>
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<222> (448)..(448)
<223> n is a, c, g, or t

<220>
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<222> (465)..(465)
<223> n is a, c, g, or t

<220>
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<222> (467)..(467)
<223> n is a, c, g, or t

<400> 7120
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gacagcaaag tcgttggaca aggtcgtgaa ttgtcccctc caacaacaaa gagcatccga 120

atatacgacg cgagcccctt ttcttcttac ccgttgcagg ctgagaagat gagtcctcac 180

agaagggcac gtatggcccg tctgccccag cagggccctt tccggcacct tatggacatg 240

aaggcagaga agaggctggc ggggtggaag gaacgccgta gccgctttgg tgacatcaac 300

gtgcacaaat gctatcagtt tgggcaggtc ttctctcctt tccaggctct ggccaccaca 360

gagatgcgaa ggctggtgct gcccagagan ttgcccatga gttntcacag gcggagaata 420

aacccttnat ccntnggtga catgaacntc caggattcac ccctntntcc agagctgaca 480

ttgggaaacg atgatggcca tcatgagaag gacaagccag tgagccacat t 531

<210> 7121
<211> 491
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

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<222> (411)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
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<222> (437)..(438)
<223> n is a, c, g, or t

<220>
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<222> (465)..(465)
<223> n is a, c, g, or t

<400> 7121
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caagcagtag gccaagagat agggagagac agacagactg gtcttggcac actggtctag 120

gcaagggctt ctgaaacttc aaagcccacc cccagtgaca cacctcttcc aacaaagcca 180

cacctcctga tcctttctaa acattccatc aatcaggaac caaacattca aataagtata 240

tgagcctaag ggggcaattc tcattcaaac caccacattc tgctcacgga catgatcnac 300

aaccaatcct cacactgaaa tagnccttnt tgaagttcac agatcagctt actgaaggtt 360

agagagatta agtaaaatac cctacatgac acaaggagaa atgagntntt ncagtatgaa 420

tctnccttca gtatttnnta ctatagatta cactctaaaa ttttntctta taattggcat 480

acctgaacta t 491

<210> 7122
<211> 423
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<400> 7122
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tcatggctac gggaccaagg aagctgtttc catgtacagg accagtaacc aaacctacgg 120

aagcagagcc cccacggtgc atgagatgcc aaaagtattt tatccatctt caaataagtt 180

ttccagacaa cacgcagctt ttggaatgtt ccagagtcat aatattaatg tcaccctgga 240

gaagagctta gtgaccgggc ctgacaatca catcacccac tatgaccgtt tgaactttca 300

ccccagttac aatgtcaaca ggccntccat ctgtgactaa gggagctggg ttcctntcct 360

cagggntntc ctgantcagg gctgcttcgg ggagcacgga tgcccttgat ccttgacagg 420

tgc 423

<210> 7123
<211> 136
<212> DNA
<213> Mus musculus

<400> 7123
gagtgtctgc tgacagtttt gtgcggcagc aagaggcaca tgccaagctg gacaacctga 60

ccttgatgga gatcagcagc agcggggcct tcctcaccca ggccctcaac cacatgtaca 120

agctccgcac aaacct 136

<210> 7124
<211> 351
<212> DNA
<213> Mus musculus

<400> 7124
ttttcaggcg caaaagactg catccagcac tttacagatg gcagaagtga agtcgatgtt 60

ccgagaagtc cttccaaaac aagggcagtt gtctgtggaa gatgtaacca caatggtgct 120

gtgtaaaccc aagctcttgc ccttaaaatc tctgacgctg gaaaaactgg agaaaatgca 180

gcaagcagca caggatacag tccgtcaaca agaaatggca gaaaaggcaa cgagcaaata 240

agccactagt taccaccact gtaggggatg ccccatctta acccctaact gttcgtaact 300

agaaactatt ctgcatctgc aggctagaaa tgcttaaact agaccgtcaa c 351

<210> 7125
<211> 531
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<400> 7125
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atggttgcgc ccatggctga taagaggatt cactttggcg tcggagtcat gctaggtttt 120

attttcgtgg taggtgggca taacggtgtc tcacatttgt caagcattga aagatatgat 180

cctcatcaaa atcagtggac tgtgtgtaga ccaatgaaag agcccaggac aggagttggt 240

gctgcagtaa tcgataacta cctgtatgta gtcggtggtc actcagggtc ttcctatctg 300

aacacagtac agaaatacga ccctatctca gatacatggn ctggattcag caggcatgat 360

atactntcnc tgcaattttg gattaactgc actttgacaa gtgtgaactt gtggaaatcn 420

cacaaggagg tactacagga aagagtgccc agtntcctga acctgacagc tagctgcact 480

gctttctttg taacgtaaag tgacatgaag actcagtttt gttgggtact t 531

<210> 7126
<211> 475
<212> DNA

<213> Mus musculus

<400> 7126
atgccccaaa ggatgtctac acgttcctgc caaccaaact tggggaatcc aggacactga 60

aaatcaattt gagaaataat tctttttcca ctcatgcact gaagtttttg agccccagag 120

aacctttcca cattagacac tccaagtaca ctttgagggc ccgacattat atccacatcc 180

cggtgcactt cagaccagag gcagtgggca gatttgaagc tttacttgtg atccaaacag 240

atgaaggcaa gagtattgct attcgactaa tcggtgaatc ccttggaaaa agttaactag 300

aatacatatt gtgtaaatga cctgcttata ttttggcaat ctcatttttc tacaccaaaa 360

ttatgctgtt gtatatattt tgtacgataa attcaatgtg tataaattat agatttgttt 420

tataaagaat ttatttctga agccctcact aaatatcatg tacctagctc acagt 475

<210> 7127
<211> 230
<212> DNA
<213> Mus musculus

<400> 7127
aggctctttg gctatttgca tctggctttt gctgcttttc cagattgaaa tattaagttt 60

attttatttt gtacaagctt cagatcccaa catcaaccac caaacttgat cttccctttc 120

ccgagagtgt ggggggtggg gagccaacag caccggctcc ccagagtggg gaggcaagta 180

ggcggctgcc atggtccagg cgccatttgg aattactgac ttctaagatt 230

<210> 7128
<211> 472
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

<400> 7128
ataggtctga aactcgtgct gcattgcagc tgcccactgg gaccaccctt tggatttcgg 60

agtttttgtt cttacatatc acccagtgaa atgaaacaaa tgagtagaag agcttagacc 120

tactgattcc tacagcagtt actttttgtt tttgaaaggt gaggtctaac aatgtagcct 180

tggctgacat ggactcgcta tgtagatcaa gctaacctta aacttacaaa gttgctcctg 240

cgtctgcctg gaatgaacgt atgcaccacc actaccagct gcggttgact ttgtaacacc 300

ggttttccca agaactctca aatacaagta ccataggttt gcagtctttt acatttaaga 360

actattttga gaggttgaga acatagctca gtgattaaga atattggctg cttccacttt 420

gagaggacat tctatntcca cactaaagaa gctcctaaca gttattccag tt 472

<210> 7129
<211> 131
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<400> 7129
ctcttcaaac tcatcgtcca gcaaactcct gtctgctgaa agcaangcag aaccagagaa 60

aagctccgag actgtaggcc atgcatcagt ggctaaaacc actctgaaat ccactacctt 120

gtttcgaggc a 131

<210> 7130
<211> 184
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<400> 7130
tgttctccat gtcctgcgtg tatatcctac ataagtacga gggcgagcca gagcacgcag 60

tgnctaccgn tctgcgtcgt ggtggccatc tacttcatga cggggcccat gggctactgg 120

cggggcagcc ccggtggcct ttgcagcccc agtgtggagg agaagctgga acacctggag 180

aacc 184

<210> 7131
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

<400> 7131
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tcaccttcat tgcggctctg gagcactgcc gggagaatgc ccacgacaaa atccggccca 120

tctccagtat cgagcaggtg cagagctaca tggaacacta ctgcaataac tccacccacc 180

ggcggattct gatcatgttc atggacatct gctccgagct cagcaagctc tgtcagcact 240

ttgaggccct gcactctggc acccctgtca ccaacagcct tctcgagaaa tgtaaaaccc 300

tggtcagcca aagcaatgac ttgagcagcc tcagagccaa gtatccgcac gaagtggtta 360

accacntcag ctgcgatgag gccaggaacc actatggagg cgtgntcagc ctcatcccta 420

tantcctgga ctttatgaaa gagtggattg ntcattntga gaagctgcct cgcaaagtgc 480

tgcagcatgg gacgacatag cttctgtact gtt 513

<210> 7132
<211> 515
<212> DNA
<213> Mus musculus

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<222> (300)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(321)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (419)..(419)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (488)..(488)
<223> n is a, c, g, or t

<400> 7132
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accagaaaag ctgacacgga atgaaccctg caacatttcc atcgcagcag agttcattgc 120

ccaggtgaaa gggatttcag tggaagaagt ccgagaagtg acgacgcgga atgcattcag 180

actgtttccc aagctgcaga gcctgcttca gaaagagctt caaagtcacc ccctgcaagc 240

caagtcagcc cagggcagcg ctggggaaag caagggcttg ctttagtggc ctcagagaan 300

nnagnnnncn tnncnntnnn ncatggctag cagtcacagt tttacagaaa tgttcctctt 360

aaaaacaaat ttggagctgg agagatggct ctgccattaa gagcactcag ttgctgctnt 420

tccagaggac tcgtgttcag ttcccagcag ctatgttggg tggttcaact gcctgtaatt 480

ccctccancc ttctctgaca ctagcacact ggtgg 515

<210> 7133
<211> 401

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<400> 7133
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ttggacgctg acaaaatatg cagagtgacc gcggagatgc tgctgcagaa tnccgtgaag 120

tttaatcttg cagagtttca ggaagtgtgg cagcagagtg ttcccgaggg aatgacgact 180

cggcttgatc agctcaaggg tttagcactg gttgacagaa actcaagacc agaaatcata 240

tttttgctca aagtagatga tttgcctgag ggaacacagg atcgttttaa tagtctgttc 300

tctctaagag aaaagtggac agaggaagac atcactccat atatccaaga tttgtgcgga 360

gagaagcaaa ctataggtgc gttgcttact aaatattctc g 401

<210> 7134
<211> 326
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<400> 7134
gctggtcacc aagtgtggcc gcctgcgtca caaggagccc agcggaggcg gcggcggcgt 60

ttactgggtg gactcgcagc agaagcggta tgtacctgtg aaaggggacc acgtgattgg 120

catagtgatc gctaaatctg gagatatatt caaagttgat gttggaggga gtgagccagc 180

gtctttgtct tacctggcat ttgaaggggc aactaaaaga aacagaccaa atgtgcaggt 240

tggagatctc atctatggcc agtgtgtggt cgctaataaa gacatggaac cagagatggt 300

ntgcattgac agctgtggcc gcgcca 326

<210> 7135
<211> 283
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<400> 7135
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ttgctgtcat cctcctggat tgggttgttg tcatatttnt ggtaacagac tcttcttaaa 120

gtgctaaata atatttaaaa cttttctcaa aagaagattt taggtcttct gtgaataagc 180

atttactata ttgcaaatca ttgtaatata tgtaaacatg ttatttgtga cacagttctt 240

gataaagcat tatgtaatgt taattttgtt catggctgta agt 283

<210> 7136
<211> 247
<212> DNA
<213> Mus musculus

<400> 7136
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acagatacct catagagtct gtgcgacaga gagatgccaa gattgactca ctgatgaagt 120

ctacagctca acttgagaaa gatgtcagca acttaaataa agagaagtca gccctgctgc 180

agacgaagaa ccagatggca ctggatctgg agcagctcct cagtcaccgc gaggaatttg 240

cagctat 247

<210> 7137
<211> 221
<212> DNA
<213> Mus musculus

<400> 7137
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ctccatagtc tctggacttc actgatccac tttatagcat cgaatgaact aacttatgta 120

aaattatgtg ccttcttcaa actcaatcta acattcagaa tacatttatg cactggcatc 180

ttgctgtgtt ttggaagata caggagtctt ggtttttgg a 221

<210> 7138
<211> 554
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (331)..(331)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

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<222> (440)..(440)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (444)..(444)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<400> 7138
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gaacagaagg tgctggatca agagcaaggg actcaggaag ccctgctgga gagtgaaatg   120

agagaggagg atcccttagg tggcttcacc attgatgacg taaaatcagc cctggagcga 180

gtgacggatg aggttttgat tagcatgcag aaagagataa gtgaaaaact ccaagtacag 240

gaagaggcct ttaacgcacg aatagagaaa ctgaagaaag cctgaagacg cggtacaagc 300

aaagtgatgc tcaacttcag agaaacaaac naaaccggcc agtacaatag tgtctctaga 360

gcgctgggtc acttccatgc antccgagaa aggnaaaccc anttccggtt atccggantg 420

antggcagca cgttntcccn cccntcccat cccacaccca cntntgagtt tatagtgtaa 480

gagcattgct ttgtgtgtat aatcttggag agttatatac gaaaatacaa ttactattag 540

gatgctgttt tgac 554

<210> 7139
<211> 583
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (379)..(379)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

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<222> (384)..(384)
<223> n is a, c, g, or t

<220>
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<222> (386)..(386)
<223> n is a, c, g, or t

<220>
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<222> (389)..(390)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (400)..(400)
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<220>
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<222> (427)..(427)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (511)..(511)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (530)..(530)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (532)..(532)
<223> n is a, c, g, or t

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agtttatggc ctggcagcat acagctattc aggtgcccat gagcaagatc ctgtggatta 120

agttgataat cccaatgatc acgggtgagg aggttcccac tgagagatta gagaagacac 180

tggatgaggt gaagagaaac ctacagcaat ttgaggagaa gtttctgcag gacaagatgt 240

tcatcactgg ggaccatatc tcactggctg acttggtggc gctggtagaa atgatgcagc 300

caatggggag taatcacaat gtctttgtca gctctaagct tgcagaatgg cgaatgcgng 360

tggagttanc catcggntnt gncntnttnn tgggaggntn catgaaagac tggtgaagtt 420

accaaantgg gactnttnga cantagaccc tacgatcaag atgaggattt gtgactttnt 480

gcagaagttt aagtgatcca agagagcatt ngttntacag gggccanccn tntttgcctt 540

ttgagcctct ttccctaggg aagtcaccaa gaaacacact gtt 583

<210> 7140
<211> 330
<212> DNA
<213> Mus musculus

<400> 7140
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tgttgtgttt ttgtctgtgt tgccatccca ggcctgtgat aggagcttgt ggctgtattg 120

taatgtctgg gcagtgtctg gggagtcctt ttcacctgcc caaataggga caagccatcg 180

ctagaagagg cctccacccc cttcctatgc tccatagctt ggatttcagg gactctgatg 240

gcaagtgcat catgaaccta cctcaggcta cctcccagtc ctcccacagt cctatgtagg 300

aatcgaatga atggatgtct ctgagccctt 330

<210> 7141
<211> 317
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

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tatagccccc aaagccatgt ggagaaggag agcccacctc cttgcactgt gctgaaacat 120

agaggtttcc ccctgccttt tcttatgtat gctttcttga cccaaggcag aagtgtggag 180

tcttagagct ttgtaattcc tgttctctgg ctccctttaa aggccatttt tgtcctttgc 240

aaggtttggt agtctcaccc ttagttcgat gaaattccct acaactcctn tcaaagcact 300

ctacctgggt ccggaca 317

<210> 7142
<211> 458
<212> DNA
<213> Mus musculus

<220>
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<222> (200)..(200)
<223> n is a, c, g, or t

<220>
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<222> (416)..(416)
<223> n is a, c, g, or t

<220>
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<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<400> 7142
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tgccccaact cattctgtaa ggaacaccaa gatgggactg ctttccgttc cacccaggat 120

gggcagtcct actgctgtga gcatgacttg agggcagact cttcaagtag caccaagact 180

gagaaaccct ttccagaatn actgaagtca aaaggaaaga ggaagaaaag gcggtgctgg 240

cgaagggtca cagatggcaa atagcgcttg gtcagatcct ggggtggtgt ggggcagcca 300

gccctgcaga cagtgggaag gcaagcacgg cacccacccc aaggacccag ctcctagcgc 360

tgtgtatagg cctgcttggg tgggaggcag ctcctcccac cactgagcca tcctcnagca 420

gntgcgctgc gtntgcactg atgcctgtca gctgcagg 458

<210> 7143
<211> 538
<212> DNA
<213> Mus musculus

<220>
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<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
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<222> (381)..(381)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

<400> 7143
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ttgccactgg acctagctgt gctgcaggac atcgagcagg agctgtgtaa tgaagaaaag 120

tccatcataa gcgagtatga agaggactta gagtttgatg aaagttgtct caggagaatg 180

ttggctgagt gggaagcaaa ctccctcatc tgtcctgtgt gtataaagta caacctgaga 240

ataatgaaca gtgtggtcac gtgtccatgt ggcctgcaca tccctgttca ctcaacagac 300

ctgacagagc agaagcttcg agccngtttg gaagaaaatg tgaatgagca cagtgtacac 360

tntccccaca ccccngtgtt ntcagtcacc ggtggaacag aagagaagcc cantcttntg 420

atgaactgcc tgacttgtga cacctgggct gtgatcctnt agccatcccg acctcacact 480

tcactactga gctgagaaca actcatttcc tgagagggcc ctgtatgcac aagccttt 538

<210> 7144
<211> 462
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<400> 7144
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cagccctgca ctgttttcca aagatgctct tgaagtagtc ctcattaaca cagcttgcct 120

tcacctgcca aagctcttca tcatgggctg catgaagtca aaggaaacgt tcccatttcc 180

taccacattg gacattgaca agctgcatga gagtgaggag gcctttattc cagatgacag 240

cagtcaatat aggacacctt ctccaggtga acaacagcaa gtccaggaag taaagaaact 300

cccagagccc ggtgctgtga tcggtgccct gatccttgaa ttcgcagacc gtntggccag 360

tgaaattgtg gaggatgcct tgcagcagtg ggcatgtgaa aacatccagt actacaacat 420

cccatacatc gagagtgagg gctcagacac caccattaat tg 462

<210> 7145
<211> 256
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (31)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (35)..(35)

<223> n is a, c, g, or t

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gtgcggtcca caacgaccag ttcggcctgt cgcacttcaa ttggccggtg ctgggcgcca 120

actaccacgt cctgcgcacc ggctgcttcc ccttcatcaa gtaccactgc tccaaggcgc 180

cctggcagga cctggccccg caggaccgct tcttcaccgc gctcaaggtc atcaacctgg 240

gtattccaac tttatt 256

<210> 7146
<211> 69
<212> DNA
<213> Mus musculus

<400> 7146
tggtcggctc ctaaaccctg cgctagccca ctctgtctct gtagcgtcgt gcggcaatat 60

ttttagctg 69

<210> 7147
<211> 365
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
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<222> (128)..(128)
<223> n is a, c, g, or t

<220>
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<222> (130)..(130)
<223> n is a, c, g, or t

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<222> (147)..(147)
<223> n is a, c, g, or t

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<222> (155)..(155)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (207)..(207)
<223> n is a, c, g, or t

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<222> (219)..(219)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (262)..(262)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttctgcccga gtccagtctg ttgcttactg gaggganatg atgggaggat caggttgtgg 120

gatgtgancn gtaagatgga gaagctncag aagancctg cgaggcacat ccacaggaag 180

aaagcaaaga gggcagcgtn ccccacncag ggtggaaant ccagancccc agganccgag 240

gatgaggggc atgcaaagat tntgccaaag ntcgatattg aacacggaga aaaagtgaac 300

tggcttttaa gtacaaaaat taaagggaac aaaagcatat tagtggctga tcaaacgagt 360

tgtgt 365

<210> 7148
<211> 213
<212> DNA
<213> Mus musculus

<400> 7148
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gaactggaga gggcagacta ttcgagagaa aaggattgta gaagcagcga acagaaaaga 120

ggtagactat gaagcaggag acatcccaac cgagtgggaa gcatggatta gaagaacaag 180

gaagactcca cccactatgg aggaaatact aaa 213

<210> 7149
<211> 424
<212> DNA
<213> Mus musculus

<220>
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<222> (38)..(38)
<223> n is a, c, g, or t

<220>
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<222> (58)..(58)
<223> n is a, c, g, or t

<220>
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<222> (232)..(232)
<223> n is a, c, g, or t

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<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(253)
<223> n is a, c, g, or t

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<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (365)..(365)
<223> n is a, c, g, or t

<220>
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<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<400> 7149
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ccacagatta ccaagaaatc tgtcacatga aaaagaaaac tgtggagttt aacttgaaca 120

ttccagagag ccccacagaa catcttcaac agcgccgttt ggaccagatg tcaaccaata 180

tacaggctct aatgaaggag catgcagagt cctatcccta cagggatgaa gntggcacca 240

aacctgttnt nnnatgagtg atgcctcaca gcctggccct ganttgcnan ggatgcccag 300

cagggcactg acccantcaa aggcacacaa gcagcgacac ccaggagtgt gttcccacga 360

cantntagca tgtaantcag aaccaagagt acttaatant cctgcctgaa aacacctgta 420

tttt 424

<210> 7150
<211> 344
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(224)
<223> n is a, c, g, or t

<400> 7150

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ccaaagtcag ggctgcttgt ggccaagcag gccagagtag tcatgggtgt ggctggggcn 120

tgcagcttac tcagggacag tgggccatct ggagggtcac ctcatagcag ggaagcaaga 180

ccagaaccaa cccaagggcc cccgagaaca cagaagggca annntgggtg ctggtcattg 240

gctaagattc tggtgatacc caccactctt aagaggatat accctgttct aggctggtcg 300

ccatgacgtc tggggctcca tgactatgcc tagcacctgt cctg 344

<210> 7151
<211> 433
<212> DNA
<213> Mus musculus

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<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

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<222> (148)..(148)
<223> n is a, c, g, or t

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<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<400> 7151
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tcgcccgcct tgtggaactc ttctctagcc gggaaagcag ctcctcccca aattgctcca 120

gcccgtntnt gccgtgcccg gggccccnac cgccatcccc ggatcctctg gcacgcctgg 180

cactagccat ggaattgagc cggcgtgtgg ctgggcttgg gggtcccctg gccaacctca 240

gtgttgagca tgtacacagc ttcctgcctt gggtccaggc ccatggggga tgggcaggca 300

tcctngcctn cctcacctgt ggacttgaac ttgcccttgg actgaacgtt tcctctgacc 360

cagcatagat gactgaaata tgacgacaca cacatcaggg ctgtagggtg gtggttgccc 420

tacctttttt atg 433

<210> 7152
<211> 333
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

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<222> (244)..(244)
<223> n is a, c, g, or t

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<222> (252)..(253)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<400> 7152

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agagacagac tgcgacttgg ataagaaaac ttccttgact tcagatgcag aaatgagacc 120

tgaaccaccg gctctgtgcg tgaaccctgg caaccctgtg ttttcctgta tgttggatcc 180

caagacattg cacacagcca cctcactgtc caaagcccag atgattnatn tacaagacca 240

gntnccagcc annanggggc cttctcnccc angcccttct tntttccctg taagttccta 300

ccacaagagc aagcgtttac agagcacctc aaa 333

<210> 7153
<211> 425
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(61)
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<220>
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<222> (71)..(71)
<223> n is a, c, g, or t

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<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

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nactctgagc ntccgggctg tgtgctgcag aggggnaagg tgtcagtctc tgtgctctgc 120

ttcctgctgt ccctgggaan tggcttaact tctctttgcc cagaggatgt ccctcctcct 180

tccttgacct tctgaaagtg acacctctgt cattgatgag caggagaggg gaactgactg 240

tgggcacttg cacaattcca catgtattta atctcagcgt ggccatgctc tgtcattntc 300

tgacttgcta tccctgtcat tcaaaagtca gcttgattgt cgggcttggc gacangcagg 360

gctgtgatcc cagcagtcag gggctgaggc aaaataacag aagtgttaga ctagactgga 420

ctaca 425

<210> 7154
<211> 344
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
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<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<400> 7154
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gcaccgagtg cccaaggaat accactccag acaaccgaga gntaaanctt aacctttcgg 120

accgtttatc cagacccaag aggagcccct cggtgacact tntacagagt taccantgag 180

gggagggcta tgcacctaac agcccctccc catntcccgc aagcacttcc gtgatgtggc 240

tgttcagaaa gcgtggtgtt tgcttntcag gttctactcc tcctgaatga gagctgccag 300

cacgtcacct tgtcaacatg tctactacag gaacacttac tttg 344

<210> 7155
<211> 471
<212> DNA
<213> Mus musculus

<400> 7155
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gttaagtgat tgctcatttg caaaaaagta atatttttta aaagcccatt tactatgagt 120

tgagaaattg ttatatttgg aacaggttat attggaaatt tgacttttta aaactcaaat 180

tgcccagcaa atcatcccct cagtttgaat gcacaggtgt gttaatctct gcaagtagtt 240

cccagcaggg gctgggtgag gaatatctat cttataccct gctcaacagc accattgctt 300

ggaacttgaa ccactttaaa gttagatact aaggaaactt agtatctcag gtcttagtag 360

catagatact aagaaacttg aattgctggt catcttttc cttttctttt tcctctttgt 420

gtatcactaa acgactagtt tctcttccgt ttgttggttc ccattgtgta t 471

<210> 7156
<211> 466
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<400> 7156
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gtcgccagct gacgaggaag agcccgagcc ccctcttttg gcgggtggca tggacagcgt 120

gtctgagagc acaggcagca tcctgagcaa acttgattgg aaagctgttg aagacatggt 180

ggccagcgtg gaggataaga acctgtctgt gcactgggcc ttggaccagt aggacctgca 240

tgacattctc tttcccagca ctggccagag tctcactgtt gtggccctca gagttctgtg 300

ggtctaagac tgcgaaataa tgaaagaatt tatatcctgc anccataggc ttntntgggt 360

taaccattca ttccaagatg gaaagtaaac atgaatcagt aatgttncct ttatgagaaa 420

ggttgtttaa ctagagaaaa agtattacgt tttgcatatc tgattc 466

<210> 7157
<211> 461
<212> DNA
<213> Mus musculus

<400> 7157
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tgactaagtc ctggtggcaa aaggcttcgg tgccagagtc caggagaaag tgctgtgtgc 120

acttgactga ggccagtttc catacaaagc aaacagctaa agaagtgctt ttttccagga 180

caattctgga agaaataaaa aattcaagct ggtaagctta attttgtgcc atttctttaa 240

aagagtaaat tctattatga aataacttag tggaaaaaga aaacaaacaa acctagctgt 300

aaattataac ttcagactgc taaggctcct taggcagttt gtctgtttac agtctgtccc 360

tctccttcgg acctgggcag ttactgtttc acctgtatta cactggacca aagctctcaa 420

tgagaaatac ccaccctcat ctcccatctt gttctttatg t 461

<210> 7158
<211> 400
<212> DNA
<213> Mus musculus

<400> 7158
ttgactcttc ggatcagcac tggatgaaga tgctgtcgtc gtcttgttag ataatgctgt 60

gccctgtcat ctcttcagta ctgtggaaga gcctggggct gctgagcatc tggagtctgg 120

atcagatgtg tgccttaata tttggtaggc actccagtta gtgaactggc ctgcaagcat 180

ggcaggatgt ggctttgtat atttgaggaa gactttccaa cagtcaaatg tgaaatttga 240

gactttctat tacccagtga ctgacctttt ggtaagtctt gagagggtgg aaagaaaaag 300

caggcttcaa ctttgtggtc agcactacat gcaggtattg aatacttcta aaaatgtgaa 360

attcaacagg gaagaagtgg tttctacagt attccttgct 400

<210> 7159
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctgtgaaggt cctgcagtcc ttaanggcag tgccggagtt agactcttta actgttcagg 180

acatcgtggg gggactcatg gcctgggccn ccaaaattga tgggacattt ccacagtact 240

gagaggacag catgtgattc gtgtggatga cggttgtgat acctgaagaa tctattcgag 300

ntttacaaaa taatgtaggg aagagcctgg attcacggnn tncngnntnn anaannngan 360

nccncccccc cccccccccc caaggagctt tttgagaaaa gaggatagca ttgcctntga 420

gagctacttt tgggcacttg tgcagcacct tcaacatgtg acttggtacg acaggatttt 480

ttgtttccca cccggtcaga ttaaactg 508

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggatcatgga ggtgaacgag ctgacagacg ctgagctgaa aaacctcatc taagcagcag 120

agccggctct tcatggctgt tagcagctag ggcacccagc acctgcagaa ctagaggaga 180

gcagctgacc ttcgcttgtt gaagaccagc tctcaggatc cagctgaaat tctaggttcc 240

atgtagacct gaaactattt tcctagaaca tttctataga cttcgggtgg aagtcacttn 300

tcttttcatt cagatctctc cagagacaaa tgaaganttc gctgctggtg acaccacgat 360

gagctgtgaa cttgggcacc aaggccagct ctggattgga 400

<210> 7161
<211> 167
<212> DNA
<213> Mus musculus

<400> 7161
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cgaagttgaa atacgaagaa ggtggacacc tccgatcatg tgctgcacgg gtgtccttta 120

cagacttacc tcacttttt gttaacttgc ctgttgccgc aatgttt 167

<210> 7162
<211> 276
<212> DNA
<213> Mus musculus

<400> 7162
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cttctgttgg cagatatcta ttgccaaggc ggcaagttcg acctggcctt ggagctactg 120

cgccgatgcc tgcagtataa caagtcttgc tgccgggcct atgagtacat gggcttcatc 180

atggagaaag agcagtcata caaggatgca gcaaccaact acgagctggc ctggaagtac 240

agtcatcagg ccaaccccgc cattggtttc aaactg 276

<210> 7163
<211> 412
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 7163
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catcttatca agtgcagaaa gaatcatcct gatgtcgcaa acaaattggc tacttgtccc 120

ttcaatgctc ggcatcaggt tccccgggct gagatcagtc atcacatctc gagctgtgat 180

gacaagagct gtattgagca ggatgtggtc aaccaaacca ggaaccttgg acaagagact 240

ctggctgaga gcacatggca gtgccctcct tgtgatgaag actgggataa agatttgtgg 300

gaacagacta gcaccccatt tgtctggggc acagccagtt tctntggnca acaacantcc 360

tgcaaataac atagttatgg aacataagag taaccttgct tcaggcatgc ga 412

<210> 7164
<211> 544
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (339)..(340)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (371)..(372)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (516)..(516)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcttcttctt cctctactcc ttagccatca acagatacat tcccttcgtc ttctggccta 120

tgatggatct gatgaacgac ctggcctgtt ccacattcct cataggtggt atattctttg 180

ctcttgaagc aagacgagaa ttgccagtgc cctacttaac tggtatgatc ctcatgggtg 240

ttacggcatt tataagtatc attgacctgt gtcttcagag gagacaattt aaaancagga 300

agnttcgaaa ntttattnta cttaccccag acaggaaann caagaancan gacccgaaan 360

tccttttaat nntngctncc aaagaggatg aggaggagag gcaaagggaa ctggcagaga 420

aagcgaagag ggagtcgatg gaccctggat ggtgactgcg cagccacacc tgtggtcagg 480

gacagctgcg aantctgcag ccaggccttt ntantntntt tcttttgcca gatttccagc 540

agag 544

<210> 7165
<211> 561
<212> DNA
<213> Mus musculus

<400> 7165
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ttggaaaata tgcttgtacg ggttcttcta gtaaaagata tttatgataa agacaattat 120

gaactggatg aagacacaga ctaaaaagga ccatttcaga agcaatggga taacacagca 180

ttagatagtc atgctgctag atctttacag gaaaacattt taagtttact ccttctgttc 240

tgagttttgt agcaatgtac ccacactggg tattaccatg taaataatct gtgtgtgaaa 300

gttgccatta ttctatgtag tggttttagg atacttaaca aatacatcaa attcttttt 360

attattattt atttgattag gtatgtttgt aacttttac attacaaata agaagagaat 420

gtgccatgta taagtttttc ttgttgcact gctctgctgt tgcaaagctc cctgcagagg 480

gcgggcttta tgcgttcctg accagatggt tgtgtatggg tagcactact caagtttaga 540

acttgcggtg tctttcagaa t 561

<210> 7166
<211> 544
<212> DNA
<213> Mus musculus

<220>

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<223> n is a, c, g, or t

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<222> (233)..(233)
<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caagggacaa gagatctcga gagaaagacc ctgaaacttc tagatgtcat ccggacacct 120

gcaggaagca cagcagtcac tcagagtttg ccaggttctc cagaaggaat gaagacgagg 180

caaagtgggg gaaaggcttc gccnaggaca gagggaagaa gggccaggat ggnagtgtcc 240

ccatggacgt ggcagagaga agcggcaagg agcacaagga gtatgacagc ctggggccaa 300

gaaaggatcg cctgggacac aaggcccnag tagaccatgg gccatcgtcc ctgttgatgt 360

gctctgcagc cacacagcca tgttccccgg gtagaaatcc ttgcaaagct agataagaac 420

aatctngcct tgtgttcgta ggtctagagt tgtactctgt ctatgtcttc ccatgtgggc 480

tgaatttcaa agtccatacc ttctagagtg ttcttgctca tctgggatgc actaaacttg 540

gaac 544

<210> 7167
<211> 552
<212> DNA
<213> Mus musculus

<400> 7167
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cagctcatcg aaaagaggga accaggaagt gggacggaaa gcgatacttc tccagacttc 120

cacaatcagg aaaacgagcc tgcgcaggag gaccccgagg acctagacgg ctccgtccag 180

ggagtgaaac ctcagaaagc cgcctcttcc acctcctcag gaagccacca cagcagccac 240

aaaaaacgga agaataaaaa ccggcacaga atgaatgtct ccccccaaac tggctggcac 300

cagctccatc tgtgacaccc ccgcccccat cgagaagtgc acacacctct gattctgtgt 360

taagctgaaa gtagaaccca aggtccattg cagatggagg ctgtaaatat ctgccattct 420

cttgttttgt tttgtgttgt attgtttttt tattgttgct tttaccatct gattttcttt 480

tgggacattt tgtgatgcct gtaccttcct gatgacacat ctgatcgtct gtttcatgtg 540

gtgtcgatat tc 552

<210> 7168
<211> 181
<212> DNA
<213> Mus musculus

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gcccttgaaa gaaattaacc cagaaaagca ttcactgaca aagaagatat ttcatagtag 120

aaaaatattc aaacctggat gataatgtat cattctgatg actatttctg tggaattcgt 180

a 181

<210> 7169
<211> 282
<212> DNA
<213> Mus musculus

<400> 7169
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cacagtatag cctcagcact ttagaagggg aagtgggagg atcatttgag cccagaattt 120

gagatcacac tgagcaacac cccacctcag aacagcatcc attcttgttc ttcactcctg 180

acaggaggct tacatgaaac cttgtttaat aaatggtttg atgtatttgt ttaagtattt 240

ctgactatgc taaatattct atacctctaa tttatctttt ta 282

<210> 7170
<211> 519
<212> DNA
<213> Mus musculus

<400> 7170
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attgtctttg cttctgataa tgaaagtgaa acggaagaga catccactca ggagcaaagc 120

tgtccagaaa aggagctgat gaaagaatct gtgagtaaat cgcctgggaa gctgtttgac 180

agcagtgatg atgaagactc agattccaag gaggacagca ccaggttcag cattaaacct 240

cagtttgagg gcagagctgg ccagaagctt atggatctgc agtctcagtt tggaagtgat 300

gagagattcc gcatggactc tagattttta gagagtgaca gtgaggacga aaagaaagag 360

ctaaatgaag ataaagtgaa tgaagacgag cttgctgcag aaaaaaagaa aaccctgaat 420

gttgtgcaaa gtgttttgaa catcaatgtg aacaacccga cgaacaaagg atcagtggct 480

gctaagaaat ttaaggatat cgtacattat gacccaaca 519

<210> 7171
<211> 231
<212> DNA
<213> Mus musculus

<400> 7171
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aagtggaaac attgtcccca gacactggtt tcgcatcaac catttgccct acaccacccg 120

ccgggactct ctacaacaga tgtggagggc aacagtcagc ccaggccgct tctgagaatc 180

caggcaacag ggcagtcctg gcttgcatag gcactgcctc gtgatgaact t 231

<210> 7172
<211> 401
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (176)..(176)
<223> n is a, c, g, or t

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attatggcat cacgcctgag tacatatgca agcgaaatga ggatgtgaag aaagcacaag 120

aagagtatga caattacatc caggagaacc tcaaganagc ggccatgaag agactntctg 180

acgaagaaag ggaggcagtt ctgcagggac tgaagaagaa ctgggaagag gtgcacaaag 240

agttccaatc cctctcggtc ttcattgatt ctgtaccaaa gaagattcgc aagcagaagc 300

tggaaaaaga gatgaagcag ctggaacacg acatcagtgt cattgagaag cacaagatca 360

tctacatcgc taacaagtga gccaactgtt gcaggacaga a 401

<210> 7173
<211> 527
<212> DNA
<213> Mus musculus

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<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

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<222> (383)..(383)
<223> n is a, c, g, or t

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<222> (436)..(436)
<223> n is a, c, g, or t

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<222> (467)..(467)
<223> n is a, c, g, or t

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<222> (491)..(491)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (494)..(494)
<223> n is a, c, g, or t

<400> 7173
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atctgtgggc ttctaagaaa tcgctgtata agaacccagc tcaccttgcg caacagcagg 120

atccctggag tcggctcagc tcaaccccca cagccacgtc cagaagtcga gacacctttt 180

ttgattctaa gataccaaag gatgacctgg acttccgctt agcaaccttg tataaccacc 240

acactggggc attcaagaac aaaactgaga tattgttaca ccaggagacc attgaggata 300

tccagggaac caagatccag tttcctggag aatgtttcca cgntccttca gcccccatta 360

nttcccggac caccatcagg cantggatca accctaagaa agagtccatc catagcattc 420

agggatccat agtgtntcct cacactgcgg ccaccaatgg aggttantcc cggaaaaatg 480

atggtggctt nttntccacc tagtggtgac aaccaggcta atttcaa 527

<210> 7174
<211> 494
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<400> 7174
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accccaattg gaaacacatt tcctgcaagc atgcagaaag tgtggagaca gaggggacg 120

gtgaagacct gcgcctcttc cattcgtttg aggaattact ccttgaggcc catggtgact 180

atggattgcg gaatgattat cacatgaacc tgggccaatt cctggagttt ctgagaaaac 240

acaagagtga gcatgttttt cagatattat ttggtattga aagcaaaagc tcagantcct 300

agaaccctat taagatntct acgcttgtaa ccgcattaag tatttatgtt actaagacca 360

aaataaaaag gctaatgaca atatagaatt ntgggtgaaa aacctagctc tagaatttcc 420

tgactgctga tgctaatagn ccctttaact ttgtaccagt gtaactgtga tgctgtttcc 480

aggttgctgt gtaa 494

<210> 7175
<211> 359
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (149)..(149)
<223> n is a, c, g, or t

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<222> (298)..(298)
<223> n is a, c, g, or t

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<222> (300)..(300)
<223> n is a, c, g, or t

<220>
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<222> (334)..(334)
<223> n is a, c, g, or t

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ctcctacaaa ctgaaacccc aaanggcaca gccacctctc cagacactgt catctcatca 120

gcagagccag agagagtgtc cagttaccna gagcccactg gtgagcttaa gaaaaaaaca 180

acgtcacctc agaatataac tctgaagaaa aataatagcc tccaaaatgc atcagtgggt 240

tgcaaaaagg taaggtcaaa tatttatatt taccctgact tcagtacatg gatcaagntn 300

acttttgttc atggaggaaa ttggagattt ttcntcagtg ccaccaagtt agaggaatt 359

<210> 7176
<211> 529
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<220>
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<222> (371)..(371)
<223> n is a, c, g, or t

<400> 7176
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cagagacctg gagaaaaaag caggaaaaat cttcagttac tgaaggacat gcagaccata 120

cagaattcac tgcagagcag taatctgtgt tgggattact gacaccaggt cataaatgat 180

gtacctcact ggtcataaac gatgtacgta ctggacatga gcagactttc caggtctcat 240

gcttgctaag ctgccattac tggcaggtgt taggggccaa gcttcattac agtctattgt 300

gctatgtagc acaactgatg gagatggagt tntgcggcag agaagcctca ctntctttga 360

atttgctgta ntcattcact gcactttgta aacaaatgac cagtttttta ctcatgggtg 420

tgttttttaa actaggtata tatgtaaatt gggtttgaaa attcagaata tgagatagtc 480

cccatagtca gtgcttgaag tcttgttttt taaatcttcc cacagcatg 529

<210> 7177
<211> 568
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

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<222> (377)..(377)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (416)..(416)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<222> (518)..(518)
<223> n is a, c, g, or t

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aaaggattca ggcagaagaa agtgtgaaaa ccttgtctag ggaaaccatt gagtacaaga 120

aagtattgga tgaacagatc caagagaggg agaactcaaa gaatgaagaa tcaaagcaca 180

atcaagaact ggcatcccag ttggtagctg cagaaaataa atgtaatctt ctagaaaaac 240

aattggaata catgcgaaat atgataaagc atgcagaaat ggagaggaca tctgtgttag 300

aaaagcaggt ttctctagaa agagaacgnc agcatgatca aacccatgtt caganccanc 360

tggaaaaact ggatctntnt tgaacaggaa tacaacaaac tcaccnccna tgcagnccct 420

tgcagaaaaa aagatgcagg agttggantc caaactccgt gaagaagagc aggaaaggaa 480

gcggatgcag gcccgggcag cagagttaca gagtggtnta gaagcaaata gacttatttt 540

tgaagataag actacttcat gtgtttca 568

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cggtataaaa tnnntgntnc aagtggtgat tggagagcag aggggtgaag gagtattcat 120

ggctgctcgc tg 132

<210> 7179
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<212> DNA
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<223> n is a, c, g, or t

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atcggctcac tccgagggct tgagtgaggt cgacaagaac tcaggggagc ctgagaacac 120

ctacattctg aggcccattt tccagcaaag gtttagaccc tctgtggtta aagactgcat 180

ccatactgtg ctcaaggaag aattggcaag tgctgaatat tctccagatg aaatgcntca 240

actcacaaaa cgtctatcag aaatgattaa agataagcta aaagaattgg gatatgaccg 300

gtataaaatn nntgntncaa gtggtgattg gagagcagag gggtgaagga gtattcatgg 360

ctgctcgctg tttntgggat gcagacacgg acaactacac tcacgatgtt ttcatgaacg 420

acagcttatt ctgtgtggtg gcagca 446

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (304)..(305)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccagacatga cgcctacnat gtgtggtgcn gtgatntggt atgagnanna annnaagacc 120

acnaggcnag gtaaaactca gaaagaaagc atttnaccnt cacgtgttna catggaggaa 180

ntnttctatt tctcaaancn nacatgtcac atcctgtgtg nacactctna gagagacttt 240

tccntnntcc accnataggg aatttattcc cagagaagag tacattgacc agagagtacn 300

tntnnttatt attttcactc acacacttca tattagcttt gactntactg tgagactttt 360

gtaactttgt t 371

<210> 7181
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttggacttt caggatggga actccgggcc ctggtggctg ctccagctcg ccaggcacct 120

acgtgatggt ccacgcgttg aactctgcag ggctggcccn tggaaatcct gggaggccca 180

aagtgtacct tccagggtga ccccactagc cagaggtctg caagtcaacg tttgcccagc 240

tggacatggg ccagggcagt cacctccagg catagggggc catcgggagc ctagctgaca 300

ttaaaggctg gggccccagt ggggagcagt cttttctaga ggtntcctct gtnggctgtt 360

acaggacctg ctcnatgaac tgctactggg gtgatgtccc gaagaagtca ccacaa 416

<210> 7182
<211> 541
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (491)..(491)
<223> n is a, c, g, or t

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<222> (493)..(493)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gagcggaggt actgaaggct tgggggctgg ggagaagtgg gtatgatgcc agcagggagc 120

cgagcggaat ctcggtgctg aaggaaacaa agcaggtgtc ttccggtccc cgaccacgat 180

gagaactgag aagcctgagg gtcgaagaag gaactgcggg agatccagta cacggagcat 240

ctagggacca ggctacatcc atccttgggc tccaccccaa accatggccc tctgccgacc 300

cagatttgcc tggtccttac cagatatatt cacgccttta aagggaactt tagacacacc 360

tactgctttc tnttcagaat ctttcgcaag aagatgctgt gtttactaag gatcgcttgg 420

gtgcggatag agtacagggc tgtgtgattg gcacctgtca aatgctaagg atttggaaag 480

gaattgagat ntntcntcct agattgcttc acagaagatg ttgttgtcgt gccaaatccc 540

t 541

<210> 7183
<211> 322
<212> DNA
<213> Mus musculus

<400> 7183
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ctgctggagg cccatgcggc gttccttcaa gacctacgac aagaacggaa cgggactcct 120

gagtgtggct gacttcagga aggtgctgcg gcagtacagc attaatctgt cagaggagga 180

gttcttccac gtgctcgagt actatgacaa atcactgtct tcgaagattt cctacaatga 240

cttcctgcgt gccttcctgc agtaggcatc caggcggagc agcacttggg acagatgggg 300

catcagggtc tgtccccaag ac 322

<210> 7184
<211> 275
<212> DNA
<213> Mus musculus

<400> 7184
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aggttttgga agaagaactt tcaatcaaga gagatgaatg ccatgtgaaa agcccaccta 120

cagtggccct ggatggaatc tggagcatta gaaggaatct ccctgtggga ggcaccatat 180

caggacagca gagcagaaac agctcacttc cacaagccaa gtactactcg aggcacggag 240

gactgagaag ataagatgga cacatctttc cacag 275

<210> 7185
<211> 381
<212> DNA
<213> Mus musculus

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<222> (187)..(187)
<223> n is a, c, g, or t

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<222> (190)..(190)
<223> n is a, c, g, or t

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<222> (239)..(239)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gacctgactt ttcttaggat cagatcgaag aaacatgaaa tcatggtagc cccagataag 180

gaatatnttn tgattgtcat tcagaaccca tgtgagtaga cctgctgtga ccaaccctnt 240

cctcctgacg atacctggaa gcccttccct ccacgaatcc atgatattgt accctgactg 300

agtccagaga tgtgttntcc tgttttgaca atggaactgc actacttgct tccctaagtc 360

ccctttgaat tgtgatcttg t 381

<210> 7186
<211> 559
<212> DNA
<213> Mus musculus

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<222> (438)..(438)
<223> n is a, c, g, or t

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ataaagccca ttagactcca tctttcacat aagaagcagg cactgtgaac tttgaagccg 120

tagaaattgg gttgtaggtc tttcctggcc gaaactggag agtcgtcact cttgaaagtt 180

acttacctgg gtgtgtgggt ttgaagatgg aagacttaat tccaagcaaa gacgacttaa 240

atgggcagtg aaaatgaaca gacacagcaa gggttagggc tgggccagtg aaggatcaga 300

gccacaacct agactctggc ggtggggatg gaaacgcgga ggccagctct gagcggggga 360

atgaataggt aggccaggtt tctagcgtgg ttgctgagac aggtgggagt aacatttagc 420

aagacggaaa gaaagctncc tttgtgtgtc agttactaaa tggtagtgac attccttacg 480

gatgacatgg tagaacgatg gaatgtggat acgttggttg gggaaacatt ctccgctctc 540

atcttccatg tggaacgat 559

<210> 7187
<211> 193
<212> DNA
<213> Mus musculus

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<222> (96)..(96)
<223> n is a, c, g, or t

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caggtgctcc aagggcccag gcgccacccc cccagntcct ggacggtggg tggggacata 120

atgaacgcca gggtcattcg aaacctgcag gaacgccgca gcaccaggcc ttggtaacca 180

tggccaaagc tta 193

<210> 7188
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aacccggtcc ccctggctac tccgtgtcgc cgcccgtgcc cggccgctct ccggggcttc 120

ccatccgctc agcccgccgc tacccgcgct ccccagcacg ttcccctgcc actggccgga 180

cgcacacgtc gccaccgcgg gccccgagct cgccaggccg ctcgcgcagc tcttcgcgct 240

cactgcggac tgcaggcgtg cagagaatcc gggagcagga cgagtcaggg caggtggaga 300

tcagtgcctg agcctcntcg agagccctct gcggttgccc acggtntgct gtccgcggct 360

ggggggggag gctgagaagt cctgatgcct ctggccagga gtgaaaggag atcgtgncct 420

gatccccgtt tagggtgcac acgcgtgtga gtttgcacaa atggctgatc ttggtgttaa 480

acccggttgc atgtgcgctg ggtttactgg ctgtgttctc tggctgtgtt ctcagtgggt 540

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<212> DNA
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ctggtgcgag actacctgga tctagagagg cgtctgtcac aggctgagca ggaaactcgg 120

aggctccggc agctgcaggg ttgctccagc aggcaaccct gtcaacaggt ggaagagctg 180

gctgctgagg tggagaggct cagaactgaa aaccagcgnc tgcntcagga gaacgagatg 240

tggaaccgag agggcggcta ctgtgaccag gagaaaccan cctcagaagg gacccttgg 300

cccaaggttg aanccccatt tcagacccac acagnccagc tgggtnatag ggaggcaggt 360

gacagatgaa agctactccc tntntccact gagaactgct aagacaaggt cagagtttcc 420

cctnccattt tcatggttgg atctttaat 449

<210> 7190
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttttgagaa gaatgtgcaa ggctcaattc cttgctgctt ttcctggccg ctgtcctggc 120

cccctggctg cttcaagtca tcgtgcagaa agtattcccg ggtccagaag atcggggagg 180

ataatgagaa gtctacctng agctgccaac ccgncagccg ctctcacacc aaaagagtcc 240

gtgctgcaac cgaaggcacg tgcggcttta natttatttt cagagaactg actggtaaaa 300

tgaagtggac caaattttan nnnnnaannn tngnagcgat gaagtattac ctttnnnttt 360

tttttnattc atcccaagaa acatatattt tcctgcagnt nttcgttcat tgatgacaaa 420

gcccccacac tggagttntg aagaggtggc aaagaacacg ccgagcctnt cntcgccttc 480

cttcacttcc acgttctttc cagattgctt tt 512

<210> 7191
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<223> n is a, c, g, or t

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<222> (420)..(420)
<223> n is a, c, g, or t

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gcgtgaanct ggagaaggtg ctgagaggag aagcagnnna ttcagggaca caggatgaag 120

cccagctttt gcaggaatgg tttaagctgg ttctggagaa gaataaatta atgcgatatg 180

agtcggagct actgatcatg gcccaagaac tagaactaga agatcatcag agcagactgg 240

agcagaaact acgacagaaa atgctcaagg atgagggcca gaaagacgag aatgacctaa 300

aggaggagca agaaatattc gaggagatga tgcaggtgat tgagcaaaga aacaagctcg 360

tggattccct agaggaacag cgggtcaaag aaagaacccn aagaccaaca ctttgaaaan 420

tttnttntnt ccagaggctn tnagntncag caggacttga agtgcccttc cccgctgaag 480

ccagagagcc aagaacacca cactttccca cccaggcact gaatttaaag cctactgcct 540

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tatttagaag aactggaaga agaatccgac atgtttgagg aggaagaaac tgaagctctg 180

aatgaagatg gttccaaaga agcacacaat aatgtaagaa catctcataa agtatccctc 240

aggagtattg catcaatgac agatgaagag agatttaata tgagaattaa gaagtttggt 300

attacaagta aagaattcag aaaatcacca gtggcttctt gctttggact gcctctgtca 360

actggcaaag aaaatgctga tanggaaaag aagagaaggc gcctggaacn ttttggantn 420

tcatgattca nttntgcatn ttntntccag gtttgctatg taaagagaag atcccagttc 480

cacatntcat ntcattntca tcagttcttt aatttttcca ctgacattgg tttatactga 540

taatgtcact gctgtaattt a 561

<210> 7193
<211> 498
<212> DNA
<213> Mus musculus

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<222> (331)..(331)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (443)..(443)
<223> n is a, c, g, or t

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ctcgggacca ggaaccagaa aaagatgggc aggtagccca ggaggaaaca ggtcctgaaa 120

aaccttctgt gaccagagag aagaatgtgg aacctgangc agccaagcac atcgaagaat 180

gtcaccgagg aagagctgga ggactggctg gacagcatga tttcctgaag cggggtcaag 240

ggggaagagt gcctgaagca aatgctggtt gccttctgtg taatgagccc gtcttgtgag 300

gacgggctcg tttaccagct accccatgct nacacgtcct gttatgctta cagcanccaa 360

cacctacctc tgtgtttgat ggcatctgaa tatatgtatg aggcttgttt gaggcttcat 420

ttctgttgtn atctggctta ntnatctaat agatttcatt aaggacaggg gatgtcacag 480

ctacattttg aacctcct 498

<210> 7194
<211> 491
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

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caggcagcct acaagctcga tgcttattca aaaaaactgg aagccaagta caagaagttg 120

gagaagcgat gagaatcgtg ttcatgtggc tcaagtgttt gnttaatatg gaagatgttt 180

tataaccact aagtcctgag gctgacacat catcagagct cctcagaaga aaatggctgg 240

ttaancccaa ggccangcaa tactggatga actggagggc cgtggctgct ccggagtctc 300

ctctgaggtg gtacctctca gaaactcaca cctgggactc ctcaccgttt acttgaatgc 360

ttcatcatcc atctaagatg gagactgtag agttcagggc atacctgggt ttgccagtag 420

agtccagtga ggggacctgt tttccctggt attgggcatt tagcacgtca tcttctaaaa 480

tggctgcttt g 491

<210> 7195
<211> 548

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

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cccgatctaa cataattgta gaatggatgt gtttctgaat agtttggaaa gaaaaagttc 120

tagaattaaa aatcatctga tatttgatac cccactggta tatagttatg tagagcaggt 180

agttactaag aaatagaggg gacatttaat actattttca gtcttcccat tcactttcat 240

ctagttacat acttaatttt attgaaaatt ggatatttaa gttcagatca ggttagctta 300

ttgcttttaa atatacacat acatgtattt ttttctgctt ggttgtacat atctccacac 360

tatagatttc tgaatgacct atgtgtagac tttgggtttt ataagcctaa aattatacac 420

attttaatgt gtgtcaagaa cttgttccat accattgtgn tctagagcaa taatatgaat 480

aacgtttgaa attatataaa ctatgcttaa taatttgtaa aaagaattga tacttcccct 540

tgtattaa 548

<210> 7196
<211> 149
<212> DNA
<213> Mus musculus

<400> 7196
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gggaatgtac cacgtactgg tacattttta ccttctgcag cgccttccca gctgtcactg 120

aaactgcatt attcatcgct gtctttggg 149

<210> 7197
<211> 396
<212> DNA
<213> Mus musculus

<400> 7197
catctggtgg ttgtcatcac gttgttctgg tcccgggaaa gcaacatcca ggcttgcctg 60

cctctcaaat tcaccccgga ggaatacgaa aagcaggaca accagctggt agccgcgctc 120

tgtctcaccc tgggcctctt tgcagtggag ctggctggct tcctctcagg agtctccatg 180

ttcaatagca cccagagcct cctctccatt gcagcccact gtagcgcgtc tgtggccctg 240

tctttcttcg tattcgagcg atgggaatgt accacgtact ggtacatttt taccttctgc 300

agcgccttcc cagctgtcac tgaaactgca ttattcatcg ctgtctttgg gctgaaaaag 360

aaacccttct gatcacaatc cgggtgtagg gaccaa 396

<210> 7198
<211> 549
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

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ctgattcaca catatacttg gagcatgcag agagaactgt cactgggcag actcaacaag 120

gcaggcaaga tcgatacttc tgagnctcaa gagtaggccg ctaggnagta tctccctgtg 180

gcccgcaagn gtgccaactc tagaggctag ctgtgttcct gtccctcaag gacacgtgtc 240

cctagcagta actgaaagtt gcttgtcttc cctggtcagc gtccagagtg tgaagataaa 300

acagccagaa gttaaagcag ggacccaccc tgtagcacag ccttgacctg ctgacttggg 360

atatcctgca caaccccagt gacccacagc tcctgacccg atggcagtgc tggccctcag 420

atgcagaccc agagaggccc aggcgtgcaa cagttacctg ccccagctgc agggggggtt 480

tctagcccct ctcagccaag gcacaccctc agggagccca ctcactgtgg ctgcactatg 540

ttatgttta 549

<210> 7199
<211> 544
<212> DNA
<213> Mus musculus

<400> 7199

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tctccgaggc tctgccaggc aaggtttatc tggatcactt tcaaactttc gatgctgagg 120

cctcaggctc ccacgtttct accccattcg ccatgttgct gccacatctg ggacactcat 180

gaccaatgac aacaactcaa agttccagat cttagccaag caaagaggcc aagttgcctt 240

tccacgcatg cacactttga gatgcttagc tccactgctg tcccaggaag aggtcccctg 300

gagacagtga ggtggctgtc cactgtccct tctccgagga ggcgtgtgta atgctagctg 360

cagagagtgg aatgaggtgg ggccccagca gggttgctac aggagcctcc taaggttttg 420

tgacctagtt tggttcttct ctagggttgg aaaactgagc cattgttgta tctgttccat 480

ttgtgcataa agaggaagcc tagattactt aagctaactt gttcttccca ggtcacaact 540

ttaa 544

<210> 7200
<211> 440
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

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aaaagcaggg tggcgtccgt agctctgcaa gaagcgttgg gaagtcatgg gaaggacagg 120

gcggacactg aagacattga tcaggaaacg ccagcaaaag gaagacattt gggccccacc 180

cacggtcctt gtcccatggg tcctgaggaa ggcgagtgcc tgaattatgt cttgaagtag 240

tactacagcc aggaagaaga agcttgctac cgcctctggt ttggggactg tgggggcaag 300

nccaaccagt ctgaaaccag agaagagtgt gagacatggt gtaggccaan ccttgtaact 360

gacgcccttc ctttaacggc gagacagtga gactggcgtt acccttgctg agacaggctt 420

cccagctcat gactgacaaa 440

<210> 7201
<211> 370

<212> DNA
<213> Mus musculus

<220>
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<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<400> 7201
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actttgggaa ggaaatggag gttgtagctc acacatatct ggactcacac aaagtagaaa 120

ancccaagaa ccagtggatg ctggttactg gaaatcccag gaacaagtcg aacaccatgc 180

tagacatctc caaacccatc acagaggata cgcgcgcctt ggagcaggcc atgggcatca 240

atacatagtg acataccagg cgtacaggtg gcctctcagg ctctgatctc atcaactctt 300

ccacttaaaa gaaatgaaca gtctttcttg gntgtgcccc aagcagtttg tcagtaggtg 360

cagaactcca 370

<210> 7202
<211> 443
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (252)..(252)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (275)..(275)
<223> n is a, c, g, or t

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<222> (282)..(282)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (339)..(339)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (410)..(410)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agaggctgga gaatgtggaa gacactccag gtcgccccca ggactcaagc agatggtatg 120

gctgctggcg ggtctgtggg aaccaacatc tcctcctcaa gtggcagcag ctccaggccc 180

tttatcaaga tgagctgcca ggtcttcagg aggacgagcc gcatgctggc cgcttaggcc 240

tcctccccnt cngcttcaat ntncngagcc tnctncaggc antcctgagg gccatcatag 300

ccatttntca ttnnttntgg gactnaantc tttagntant ntcaagatcn tccncaagaa 360

tntcancccc catnatgntc ctcaagggac gccntcagct taggaggatn tgcgacantt 420

gctgcttcca caggagataa gat 443

<210> 7203
<211> 118
<212> DNA
<213> Mus musculus

<400> 7203
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gtctgcattt ttttgtggag tggtgtgaat atcgtgagaa cacatttaag catttcaa 118

<210> 7204
<211> 444
<212> DNA
<213> Mus musculus

<220>
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<222> (186)..(186)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

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<222> (204)..(204)
<223> n is a, c, g, or t

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<222> (217)..(217)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

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<222> (249)..(249)
<223> n is a, c, g, or t

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<222> (290)..(290)
<223> n is a, c, g, or t

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<222> (292)..(292)
<223> n is a, c, g, or t

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<222> (363)..(363)
<223> n is a, c, g, or t

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<222> (365)..(365)
<223> n is a, c, g, or t

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gacagccagg gtttgaactg gtgattgtct ggaagataca aatcgatgag gaagggatgg 120

tttttccaaa gctggatctt ctcaccaaag tcccagagcg agccctagga ctggacaaga 180

acagantcat agaaactgct cntntcagtt tccgaancct gctaggtgta cttggtattg 240

aagctgntnt agacagcctg ataagattgt tcagtggaga taacaactan tntcccgctg 300

gcaaacacac aggaacattg ctgggctgag gaacattcaa aatatgttga ctatgagcat 360

ttntnttttc caattagaaa ccatatcctt cagacatgag tttgtgtgca ttagtggtat 420

attacatatg aactcccatg gcat 444

<210> 7205
<211> 395
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<400> 7205
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ctcccctcga ggaactgata accagccaga agagccggtc tccctctctt ccaccctctc 120

agagcctgaa tatgagcctg tggctgcttc aggccctatg catagagctc ggctggtgaa 180

gtccaagagg aagaagccca ggggactctt cagttaactc tccatgtctc anccaccacg 240

aagagagcaa aaccgcttcc tagcatcacc tggaaggagc ttgcatggca gagcatccct 300

cagaggcctg agtttgtgtt gacagnccac ctggatgggg actttaccag gggaagcctg 360

actccaactc actggcattc cggatatgag tgaca 395

<210> 7206
<211> 564
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

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<222> (260)..(260)
<223> n is a, c, g, or t

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<222> (284)..(284)
<223> n is a, c, g, or t

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<222> (286)..(286)
<223> n is a, c, g, or t

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<222> (290)..(290)
<223> n is a, c, g, or t

<220>
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<222> (293)..(293)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (295)..(296)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (333)..(333)
<223> n is a, c, g, or t

<220>
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<222> (341)..(341)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (445)..(445)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<220>
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<222> (456)..(456)
<223> n is a, c, g, or t

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<222> (468)..(468)
<223> n is a, c, g, or t

<400> 7206
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gaaggtgtca tacaactgct gcagtcaggg ctgggtgagc ctgcatgtgc agatgagcaa 120

gaacacctat gtgccgggcg agaaggtgac attcacatca gagatccgca atcacacggg 180

caagtacatc aagaccgtgg tgttcgccct ctatgcccat gtgcagtacg agggcttcac 240

gccaagtgcc gagangcncn ggcgggcaga cagcagcgag ctgntncgan cananngcca 300

acgcacggat tccanccttc aacagtacca cantggttag ngccttcaac ctgccgctgg 360

ttttntctgt gagcagtggn tcccaggaaa atgagatcat gaggaccagc tatgagcttg 420

tagtcacgat tcacctcccc tgntntttnt cgacantcaa agcccgantc cccatcatca 480

tcaccagcac cagggaaggc caggccgact gcccccggct ggatgagctg ccatatgagg 540

accatatggt ttgagtgcct gcat 564

<210> 7207
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<400> 7207
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acccccccatg ctggtgagcc ccaggaggtg gttcctactc ccccaacaag aactggacat 120

actggtgtcc cccagagcca ggaacttcct ggaaactgct ggccctccac cggagtctgt 180

ctctctcagt cctcagtccc gtcactatca gctgcatgat catggtctca cacggtacag 240

tgtcccaccc acagctcttc cagctcccct cacgcctcgc tatatctcag gacagagggc 300

gcatttcatg gactgttacc aaaaaagaaa agtcagtatt acgttgttnt cagacacctn 360

tactccgtgt cctctaagac tgctccnngg cctnttntgt gaaatcacac tcgggaaaga 420

acaatgctaa taacggctca caggaatcat cagtatcatg gacatagaga ttctctctct 480

ggagagaaga cagctggagt tggacactgt taa 513

<210> 7208
<211> 512
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<220>
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<222> (484)..(484)
<223> n is a, c, g, or t

<400> 7208
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attgattcac ttcaaggcct taaattgtct tcagtgactt ctcttgttca tagaatagtt 120

taatttttt tattgtgcct tgtcagtttg ccaaggctnt gcaggattgc actagctcca 180

caatgcagta atattgataa ctgataatac tgagtttcaa aggatcttcc attattttag 240

aaacaaaagt attttatagg tttngttctg tatgatcncc aagtataaaa ctaggttcta 300

ttggattttg agattgccac aggcatgtcc aatctcagtn gtgtagacac taaagagccc 360

gttnccatcc aggtaagtga tggccataca ctgctntggt ttaagttatt tttcatttca 420

aggagcagat aagcaatgag ttgacctaaa ntcttagtaa tatttgttta gtaatatgtg 480

tttntctgta tattaactgc tcaagaactg gt 512

<210> 7209
<211> 410
<212> DNA
<213> Mus musculus

<400> 7209
gttttgaacc acttgagtct acacgattct taggtattgt taataaagga atatattcat 60

atccaggtag aaaaaaatgt cagtcttaat cctaattggt attattttta gcaaggaaaa 120

catttaggga caacccaagt catttagtat ttattctgag aatcatttta gaaattattt 180

taagagtact gaaaattgtg tccccagatt tccttgtaat aaaaacttcc cagtctaggg 240

ctggcaggat ggcgaggtaa gcagaagcac tttgctgcca agcctgacaa cctgagttca 300

gccctggatc ccccacatgg tacatagcag ggcaagctga tccctgcagg ttatcctcag 360

actccacaca tgcagtggct cacagcgccc atccttcaca atatgctaaa 410

<210> 7210
<211> 369
<212> DNA
<213> Mus musculus

<400> 7210
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tccctcagca gccttcacct tgtccgcctt tcactaccac tgataacttg cttatgatca 120

caatgacaga tatgacccac gaactcagga gatggcaggt gacctacaaa gctctcaggg 180

tggcatttgc tctctgagca gatcgccctg cttagaggaa ctcagggttg aaaccacacg 240

tggtgaagtc tgcagaggag ctacaatggg accgtactgc tttcttcacc cacacttggt 300

agaggtagag gggtagatag tagaatggag gtgaagggaa atttaaggtt gttaataaac 360

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gacaagtgga tgagattgtg gaagcgcacc aagctgaaat aatgcagcta gcaaatgaga 120

agcagaagta tattgactgt gcaaatttaa agggtgacta tgcgcgtggc gactgagant 180

gaaaaacacc accctccagg tcatgttctc atntcagttg cggatgtgnt tntgagagct 240

tggactaaag caccgacatt tattgttctg tgtttggtta tgctgatgac agttgcacag 300

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cngctgcgag ggcgagagga gcaggagagg ntggtgaanc antgggagag ggaccaggaa 180

agtgagagag aannccacgg atgacgagca agacaggaaa agctcgggag gactcagcaa 240

aaaactgttg ggagacggtc actcgtcaaa cctagggatt aggagagagt ccagagaaat 300

ctacagaagg ctntcggact actccagcca cctaccctca gaggacggca gccaaaaaca 360

agagaagaaa caagcagaag cagccaaagg ggaggtccaa aagttggaga agacaaaaga 420

ggaataatnt aaagcccagg ctacttaaca acagagaagg gatgaagacc gctcagtagg 480

ntccgaggtt caggcggaca gtgttcccag gtgttttgga gaggaaacac tgggagactc 540

actcctacag acccccccgcc cccgtttctc cattaaatat gcgccttt 588

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cagatccgag agcgcgggct agcttgcttt cagaactggg tggaagcagc cgatgttttc 120

caaaacttct cggggtgacc agggcagttg ctggaagttc agggcaacta tcttcaaaaa 180

gggcttagct ggttcccttc tctgctgagg aatgtcattg tagagtcacc atnctgtnac 240

agagagcata aactgctcag gaaagaacta cntctncccc ctntggntcc tagagctccn 300

ttgaatgttt atttcttaca cctttctcca ccggtgccta ggatccagga cacatcancc 360

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atccatgagc tgcctcaaga aaaggtacta gcagcgcact gcatgggctc caagatttta 180

ggattatact aagaaaatga aagtattcat atatttagaa catgcattga caatcttttg 240

acaatgcaaa aataaaagga actagttagt taaaaaaatc aagttttcaa attaatttct 300

gttttgttga tattttctgg cattttgctt ganatatatc caccctgnan tccctttcc 360

tcatctttga gatncctcct tggtaatgac aaaaccaata aacatntcct ttattatata 420

taaaagtttt ggaaaagata atcatttata agtataaaaa ccacttaaaa gtttctaaac 480

atgtttatta tagaaatctt tacctttttct aaaagctgtg cacttaattt attgaata 538

<210> 7215
<211> 501
<212> DNA
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<400> 7215
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tccatccttc agaactcaag tagaaaaact caaattggga gtcatcttcc agatcccagg 120

ctgcttggaa agatgaacgt tttgaaggga agaggggaag agcaagtcag gagcaaaggg 180

tagggaaagg gggcaaggag gagcccccag aatgcagtca gtctcaagca tgaaaatgat 240

gaacaaaagg agtgcactgt ggctcctcaa gtctgcacag tgggaaaaca aagacagttc 300

tttgattata gtgagatcaa gaaaataaca cccacattcc cataacttgg gagactgaga 360

tgaaacaaga ttgccagcct gggtatctta agaccaaaag aaaggggcct ggagagatga 420

ctccgtggtt aagattggca ctgttcttgg gtttgctcca aaacatctac acccgtaagg 480

cttccatgga cagtgcgttc a 501

<210> 7216
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<212> DNA
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acttctaaac ttttgtaaaa ggtacaaatt gagaatctca aaatattgga ccaccttnct 120

ttaaaaactt tttttaatga aaaatggtgt gtgtgtgtgg ctaagacaca agtcaaaaca 180

caaaattcat ttatatttca cacctcatga atatagcctg aaattaatga tttacaggat 240

ttttaatgag cttatgcttt tactatgacc cttcaattga ggtcaagtgt ggangtttct 300

cctggtggca ctntcttgnt gcnttancaa gtntnnnatt tntaaatntt ttaggctttc 360

aaatttagat gcnttnntnt atgntgcttc cccantggcn aatgtaaaan gcatagggat 420

aagtatatac gtggtgctgg accaatagtt actgagttct taaatatttt ntcanccttc 480

ctcaaataga agtttntcan tcatttcaat gcagaccaga atttaattga aaagcttttg 540

cttcatttcc agcaagtaca ataaattaaa gctggccat 579

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<212> DNA
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gatactgaca tgagacgagc atacactgtt attcattcac gtgtccatgn ntcnnnncnn 120

nngnncnntg ncnnnnnnna gntnnnnnnn nanttcaaga tctggagtca ctctagagga 180

gcggtgagta agagaaagca aagagtctgc agaaacaagc ctgctgcaga agagggcgca 240

gagagaagcc tgctgcagaa gtggctgcag agagatgcct gctgcagaga gaagcctcct 300

ngccnagaga ancctgctgg agaantggct gnagagagat gcntgntgca gaaatgantg 360

cagagaggag aaggttgctn taaaagccan tgtagagacn aagtgtagca ccttatcagg 420

nccaagaanc caccttntca cctgaccctt gaacattnta ntntcccagt gagagagagg 480

tgccggaggg atgggcaaga aggtggcaga aggcttcctt ccagggcttc agcaaagttt 540

ggactag 547

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttcacactca cttaacgaag accctgcagg agatcttcca gattgaaatg accatagaat 120

ccatcaaaaa ggccatcaag gaaaagtctg ccttcctgaa ggtggcgcag acccggctgg 180

atgagagaac gaggaggcca aacgtagagc tgtgcaggga tatggctcag ttacgcnntg 240

ttaacgannt ntntgaggta gacgagacca tccagactct gcagcagcgc ctgagggatt 300

cggaggacac cttgcagtcn ttggcccata ccaaagccac cntggagcat gacttggctn 360

gtgaaancca acactctnta natcgaccag gaaaaatgca tgagcatgcg cnaatagcta 420

ccccagcacc ntccggctgg tgggctactg ctagggaccc t 461

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttgtgttat gattatatct ggaatgtgat ttattagttt tctaatatat tttgagccca 120

atgttatgta ttctacattg tctttgggta tatgaacata catcttccta tacaaaagtt 180

tcctttggcc atgtctttaa gtaaaatgtt tntactccat cttaaacaaa ttgtgacttg 240

tcttcacaca cagagacgca tccatgtctc tggggttgat aacggaaagg gaaacaatgg 300

ctgcctggag aaggcatgtt tatcatcctg gaaagaagaa atgttattat gttgttatta 360

ttcttgcttt tagattaaaa ggtaaagcac tgtggaaagg ctntntgcat aatcccagaa 420

ccataaacat ttacataaaa tttgaatttg tttatccaaa aagttggctt attttcattg 480

ttaagaatta tactgtgtcc ttggaagatg aaaagcatac cttgtcattt ttga 534

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<212> DNA
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gaaaagctgg cagaggcagc agaaagaagg cagaaggagg cggcgactcg ggggattttg 120

gacatccagt cagtggaggc aaaaaagaag aagaaggaac agttagaaaa gcagatggcg 180

acatcggggc caccaacggc agggggactt agatggacgg tntcatgaag tatatcagac 240

ctggaagaga atcctgccac caantccggc aactgcagtc aatggctttc agctgatntn 300

tcctcttaac acacattaag agtcagactg tgtcattagt gccctttcgt gcaatcctga 360

cactaaatat actaa 375

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<212> DNA
<213> Mus musculus

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tccttctcta gtaagttttt gtgaaagatt tcagactatt aaaatgactt cttaaggagt 120

agctactacc ttacccctc ctctcagtct ccatccaaac ccactctcac ggctactcca 180

ctaacgctgt gctttgcttg taaagtaaca ccatgcagtt gtgcgcaacc caagtatcaa 240

aagcagctac gcggctctga aaggtgattg tgataggttc tgcttctcat ctgcagatac 300

aatgcagcaa ctccaaagta ttaagattac agtaaagctg aagacgcacc tttgccctgg 360

ttagcaacgc aaaacctgtg tcgtcgtaaa tgccaaagtc ttagtgtgta aatgtctgta 420

caccgtcaca gcgaatgagc tcactgctaa tggccgagtt gcttattttc atgaataaag 480

attagcaaga aacttttaaa ccatcttttt aaaaaatgtc ctagtttgtt atattttagg 540

catgaagaac tagcttggcc tactgaag 568

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<212> DNA
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<223> n is a, c, g, or t

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taaagcagaa gaagcctcac ctaggtctgg ggaggtgctg cgacctcctg atccatttga 120

attgcctact ttttattcag cngattggca gaagantcca ggacaaatgc ttgtgaaagt 180

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<212> DNA
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<223> n is a, c, g, or t

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ttcacagcgt ccgcggtcat ctcgctcgtc atgtttaaaa aagtgcatgg actgtaccgc 180

acaacaggtg ctagttttga gaaggcccag caagagtttg caacngggag tgatgtccaa 240

taaaactgtt cagacagcgg ctgcaaancg ccncctcaac cgcagcaacc agcgcggcgc 300

agaacgcctt caagggtaac cagatgtagc gagcctggaa gcagttntct gtttccttag 360

gactgtatct ttttntccag ttactgtatt ctacagatat tttttgttgg aaacacacaa 420

tacacaaaag catgggtatt tccaatccac atgtgcatgg tctaaaaacc agagaaactt 480

ccttgtctta ttactttgcc taatagtttn ttaatatttc catgctctgc acagaagaaa 540

actatcacct gctaaata 558

<210> 7224
<211> 467
<212> DNA
<213> Mus musculus

<400> 7224
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tcccgaagca gcaagaaaac atttcgaagg cctggtacca agaagaaaag cagagtgtgg 120

tccccacgtc cccagggcaa gaggaagccc aatcttgaca gccatggtgt agggatgaga 180

caggccgcag gcagaagtca cccatgacct cttggtcatc ttggccgatg agacctgaga 240

caggagaatg cttcactgag tgcataatgc tgtccattct gagtctggga ctcagacagt 300

caagaagcct gggtggcggt gggctgtttt ctgtgtggtc ttttccctcc ctgggaaatc 360

ttgctgtcta ctgaagaaac atgagcctgg tctgcgggca gcatttctgt ggagatacca 420

cagcccacag gaccttgcac gtggcttatg gcatgtccag tgtgcat 467

<210> 7225
<211> 514
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (330)..(330)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<400> 7225
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agtacccact gaggcgagag gccaagctgc gtctctcccg aggggctctt accttcagga 120

gtgaggaaga cagacaactg agttgcccat tacacaacgg ggatccactc caacagatga 180

gcccctgatg ggagtcacac cctcagcagg cacagacacn caggatgggg tatgcggatg 240

gacagacgcc aagcaggcct cacagccgag tgctggcccc agcagctgcc nacttacttt 300

gagcttcatc cntcttcttg tcgggatcgn tgcacgacac tgtgcctcat gagactctgc 360

tgcagtgcaa gggaaagaag gacgcttgac ctgggcctgc agacgtggct cagtgcttac 420

agcattcgct gctcgaggag gacacgggtt tggttcccag cacccgtact ccagttccag 480

taaaaantct tggtgtctgc taaccttaag atgc 514

<210> 7226
<211> 519
<212> DNA
<213> Mus musculus

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<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

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acatgactac acacctctgt gtctcaggct cattaaagtg tttgtcctga cctcaaattt 120

ccaggcagtc agagtgaccc tgaacacaaa ccggagnctc tccctgttgg tcgtgctaag 180

tggcttactg ctggagagca ttgtggtctt cttcttccag aggatggagt gggatgtgag 240

cagtgactgt gcgctctaca agtctcagga cttctgaagg accagctacc tcaaaagaga 300

aggcacaaaa gaacccaagg tctctgcttt ctgtgagtga anccaagact ggggatttct 360

gaacgtaccc agacacccca gaagatctga accacctata ccaaggctga acgctctcag 420

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gtgtaatatt ttattacact ggtggcttta accctgtat 519

<210> 7227
<211> 350
<212> DNA
<213> Mus musculus

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<222> (198)..(198)
<223> n is a, c, g, or t

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<222> (202)..(202)
<223> n is a, c, g, or t

<220>
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<222> (300)..(300)
<223> n is a, c, g, or t

<220>
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<222> (308)..(308)
<223> n is a, c, g, or t

<220>
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<222> (313)..(313)
<223> n is a, c, g, or t

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accagccgta ctttgtcttt gacacatatc tgctggacaa acccaacagc aatgctcgac 120

tcaagtgtcc cttggcttcc atctacaggc ctgtccactg ggaagctgac aacagccctc 180

tgacatggca ggaccagntc tntggccaga cggtcagcac catcatggac ctgcacagtg 240

gtggccagca cctgaaggtc ttccagcctg ccacttacag atgttttgtg gagcaggagn 300

ctcatagncc canttcaacc ccactgagag acaatccaaa gcccagaacc 350

<210> 7228
<211> 410
<212> DNA
<213> Mus musculus

<400> 7228
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aggctcagcc ccttacctca ctgcagctct ctcacaagta cctgtttgct gtgcgctggt 120

cccctgtgcg ccccttggtt tttgctgctg cttcagggga aggtgatgta caacttttg 180

acctccagaa aagctcacag aaacccacag tttctataac acaaacccaa gatggaagtc 240

ctgtctactg tctcgagttt aacagccagc agacacagct cttagccgct ggtgatgcta 300

agggcatggt caaagtgtgg cagctgagca cagccttcac agaacaaggg ccccgggagg 360

tggaggactt ggatcagcta gaagcagaaa tcactacctg agggctggtg 410

<210> 7229
<211> 501
<212> DNA
<213> Mus musculus

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<222> (28)..(28)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<400> 7229
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catcagaagg ctagtcacct gaaagctcta tggcctctcc ccttctttct gagcctcagt 120

ttctccctct aaaatagggg attgtaagaa tgagttagag aaagaggcct cagtacatta 180

gttgtcattt ggaagtctgg ctccccagat ctcacagagc caggccagta catgtaatca 240

aagtactgag gaagctgaag ccggcagacc ctgggactca ccagtcagcc aagctaaccg 300

agttagtgag ttccaggcta atgagacctc atctcaaaac acgaggcgga atgatccgag 360

atcctttggc ttccacatgc acatgtgaat ttgtacctgt acacacgtgc nnggaacaca 420

ctcagatcag gggcctggtn agctcatatg atgagcccaa gagatctggg atgaatggat 480

ccctagatac ggtaggccca g 501

<210> 7230
<211> 484
<212> DNA
<213> Mus musculus

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<222> (32)..(32)
<223> n is a, c, g, or t

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<222> (176)..(176)
<223> n is a, c, g, or t

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<222> (318)..(318)
<223> n is a, c, g, or t

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<222> (320)..(320)
<223> n is a, c, g, or t

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<222> (324)..(324)
<223> n is a, c, g, or t

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<222> (338)..(338)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (397)..(397)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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gaccgcccgt acaactacag ctgccgacaa cctcaccaaa tggatacaca agaatcctga 120

tctactcaac gcctgtaatg ggctgcgtcc tgaaatctca ggcaagccct tcgatnctga 180

cagtcagacg aaacagaaga aatctgtcac caagactgta caacaagcac caaatccaac 240

cataattccc agctccccgg ttatccaagg agacaaccca gatgaaccgc aaagctcgca 300

cccctctgca ggtcacantn cagntcccca aactccantc aactntccca acaacccacn 360

tccgagccct tgtaagagca ccaagtagnt cctantntag ctgaggtcca gatntatgcc 420

atgctggggt gacattttag agactgaccg aaataggtga gaccctgcct gtattcagaa 480

atgt 484

<210> 7231
<211> 420
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<400> 7231
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ggcgacatct ctgacagctg tgcacaaacg tgaagctgtg acacttcctg tcaaggtggt 120

tgcgaagntg caggttctga tgctaaccgc gcaccaggtt cacagactgt acagtacaaa 180

ctcttgtgtt tgttactaac actgtggatg gttttactgt aaattgttcc caatttgtat 240

cgatggaaag aatgtgattc tattagaaga tattantcat cttgaaaaat gcggatttct 300

aattcctcac ggctcaacgc tggaatcagt ttccctgaaa aggatcctcg gactaaaagt 360

ggcatgttag aaaaaaccag gcctttaccg agctgcacaa tcagttcctc acggtggaag 420

<210> 7232
<211> 54
<212> DNA
<213> Mus musculus

<400> 7232
ttggaagtgc caagtgtgga ctagcatgat gttataggca gtctttgtga gtga 54

<210> 7233
<211> 337
<212> DNA
<213> Mus musculus

<220>
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<222> (232)..(232)
<223> n is a, c, g, or t

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<222> (235)..(236)
<223> n is a, c, g, or t

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<222> (238)..(239)
<223> n is a, c, g, or t

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<222> (246)..(246)
<223> n is a, c, g, or t

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<222> (260)..(260)
<223> n is a, c, g, or t

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<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

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aagtgatcat ttttacctta tattttccta tttctgtgtc acaattttcc aacccaacct 120

tgaatttatt tgtcatgtta tggccagtcg tcccactgtg atcatcctgg tcatactctg 180

gatggtcttg ctctgacctc catcccaaca cccctctctt ggctcagtgg cntcnncnnt 240

gtaggnaatc cttatatacn tagtgggatc cacgcngtag gaatcctnat atacttagtg 300

ggatccactc tgtaggagtc cttatatcct ttggtcc 337

<210> 7234
<211> 510
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<400> 7234
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ccattcccaa cagattatca gataccctgg acttgattac tccttgggac aagtaagtca 120

ctaccacggc ccatgcacag ctaactgatg ggcctcttaa tttgcttcaa aagtagagtg 180

ttcatcctaa tatcccatag taaagtttgc ttaaatatac ttgcaacaga atgccaggaa 240

gttatcaaat aaaaaagact ggaagactag gggtgtagct tcacggcaga gcacttgcct 300

aacatatgag cacccaagtt caatatacag caacacacac acacacacac atgactgaag 360

aatagttaat gataaatgtt ccttatcgta catatcatca catatacgnt ctttntcgct 420

ntccccaatt caaagtagac ggntccacat attaaatcaa aaactaaagt aatattttat 480

agcaagaaaa tttcagatgc cgacaggtgt 510

<210> 7235
<211> 489
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

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gccaggcgaa ataattcact gctaaaatac attacagaga agaatgaaga gattgcccag 120

cttaacctga aangaaaggc caagaagaaa agaaagccgg aagatgaaag caggagctct 180

cgggagtcca tggctgagga gctggacggg gctgaggagc tgcagagcga gagctaaggc 240

cttcatctca tctggaagca gcgctcgcca cgagggcagt ctgcagggat gaggacagac 300

atgggaagga cggccccgtg tgtgggcagc ttttcgtgct gcctgtttga agtcattctc 360

ggcagaagct tagaagctgg gagttcctgc aaagccacct cacgcgtcac ggggcatagg 420

aaaggcttgc acttgggtgg cacagcgtga cttagtgact ggcaaagtgg gctagcaatc 480

agctgtgct 489

<210> 7236
<211> 476
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<400> 7236
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cctttcacta ccattcccat tttgttacct ttctgttcag gagactttat gttggaatac 120

tgtataaagc atttgtagca gtttaaaaat aaaatattta aaattattta aattgttttg 180

ggtgcttcaa ttgtattctg tgatttagag cttacatttg tgtttgcatt gttaatccgg 240

aaggtgtctg ctgtactgaa gtttgctgtt agttatttta ttgcttcttg tcgcaaagtg 300

ctataaagat tattctaatg aaaacattaa aatttataat ttgacataca aaagggattg 360

ttcattgttt ttaaccaatg tanccttgac agagttttta ttacagacac acaagagtga 420

tgtttgctac tttgccctgt tagcatggac acatcctctg tttgtcagat gtctaa 476

<210> 7237
<211> 374
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<400> 7237
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tctactgcac ttccaggagg tccgaaccna agcttcgcat ccacctgctg gctgcactca 120

tcacctttt ggcctatgca ggagggagcc tcacaggagc attgtttaac ccagcgctgg 180

cactttctct gcactttccg tgctttgacg aactcttcta taagtttttt gtagtatact 240

ggcttgctcc ttctgtaggt gtgctgatga tgatcctcat gttcagtttt ttccttccat 300

ggctgcataa caatcaaatg actaataaaa aagagtaacc actcccaaag actcgaacta 360

agtcccagga cagt 374

<210> 7238
<211> 449
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<400> 7238
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tggtttaact gccacaagct tgatttaaga gacagctcgt tacctgtgga tcctttcatc 120

aactggaaat gctgctttgt tccagtccat agacttaagc aagtggagag gcccatgtcc 180

atagtcatct gttagcatgc tgctgtgctg ggaggaactt cagaagcacc aagatcagtc 240

tcacaaggac agaggtggct cgggacagga actgaagctc gagtcccccc ttccagcaca 300

gcgtccgtgg ggcagatgcc aagtantgct gagganacat tancacagca gaatgtttat 360

gcctgctcga caacattgtg gaatatttgg tattaatcca aatgcaaagt aaacacatta 420

acatgtgtcc agcttgatgt tttactcca 449

<210> 7239
<211> 452
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
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<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<400> 7239
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gaccggaagn caggttcacn agggttctcc ggggttggat gaagtaatct tgcttctgca 120

taaatgtnca cacacaanca cacacacacc tctacacaca catacaccta cactcaaata 180

agaggcattc caatccatgt tcttatgaag tataagaagt aataataatt tcccagaaat 240

gcaaaatgag aaaattactg aatttggact tcacactgac cacatctgga ggcgacatan 300

tntgaaatca tatttgatnt cagccctacc tanaagccac tgcgacctgc aagaaactga 360

ntgggttact acaagacagg ctgtgtacac aacgtggatg tggacacagt atgagctgga 420

gggagctgga gggcctgaga tttttatcac tg 452

<210> 7240
<211> 347
<212> DNA
<213> Mus musculus

<400> 7240
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ccaccaccgc tgctgccgcc accaccacaa cctgtcacca ccgtggcctc tgtagtggct 120

gcatcaccct ctgtctacac tatgccccgg gtctttggcc ctttccctcc actgtctggc 180

aagccgatgg agaaactgga tatttcaagt tctgaagtga aactaaactg gagtggtctt 240

tcatcaacgt caaagagcca catggttgat ctgacccccc tggttctcaa tcccggaggc 300

ttccatttct catatttggc aggaagcagt gcacacaagc tccattg 347

<210> 7241
<211> 423
<212> DNA
<213> Mus musculus

<220>
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<222> (378)..(378)
<223> n is a, c, g, or t

<400> 7241
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cctcaggaca ttgcactgat ggatgcacac aagggtgcgg agatgtttcg gaaagtcaat 120

gtgcctgttc ttggtcttgt ccaaaacatg agtgtcttcc agtgtccaaa atgtaaacac 180

aaaactcata tttttggtgc tgatggtgca agaaaactag cacagaccct tgatcttgat 240

gttctaggag atgttccctt gcacctcagt ataagggaag cttcggatat gggtcaacca 300

gttgtctttt ctcagcctgg aagtgatgag gccaaagctt acctgcatat tgcttccgaa 360

gtggtgagaa gattgaantc atctccagaa tgattcccga gtgccctgga aattgtcctg 420

gta 423

<210> 7242
<211> 290
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (147)..(147)
<223> n is a, c, g, or t

<400> 7242
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ctccaggcct tcgagatggc agtggcttta caccattgga gctgctgttg cgccagctga 120

accaggacgc cagctcagcc cccactnagg ctgaggcagc ttctgccacg gtcaatgctg 180

ccaccgccaa caccacttcg tctgaggagg tgtgtcagcg ccgcctgctg ctgcttgacc 240

tgctagtact gtacaccccg gggggcgtcg taggtccagc tcgatgtgaa 290

<210> 7243
<211> 130
<212> DNA
<213> Mus musculus

<400> 7243
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gccggcccca cccctcctgc acacggtgct tccatcctga ggactcaggc cacacaaagc 120

tgtagagact 130

<210> 7244
<211> 336
<212> DNA
<213> Mus musculus

<220>
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<222> (172)..(172)
<223> n is a, c, g, or t

<220>
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<222> (178)..(178)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
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<222> (209)..(209)
<223> n is a, c, g, or t

<220>
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<222> (215)..(215)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(227)
<223> n is a, c, g, or t

<220>
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<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

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tgttggacag agggacattg ttcactatga ttcgttttgt taagatatct tngttttnag 180

tgctgantag gtgtgagagc tatgagctna gactntcctg acctcnntct gcatnccttg 240

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gatccgaaga aacttcccaa ntgtgtttct caaggattcc tccccagtgt ctccccggca 120

ttaggttttc ggagacactt tcttcttatg ccagtgtgga taccaggctc atcccttgtt 180

tgtctagtgc tcttggtttc cggcacagga tggggagtgt tccatcgttg gtggcttccc 240

attactgcat caggacggag catccagagt gggttctgat ctggacggaa gtggagttnc 300

agtacagacc agtttgntca nccttcaagn tcctcacagc tcagcctact actgctggcg 360

taggtgactt agtcacacac tgnccctcan tctgaggtcc agctggcttc ccattccacc 420

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taaantttt gtactactac taccnatttg gtagaaatgt attaagttgt ctaccatgcc 180

ttttttttt ttnnnnccta acttgattga atcacataaa agaaggggga ccacagtatt 240

tgaatgtgtg aaactataca acctaaggtt taaaaatgtt gctcatgatg ctgaacagct 300

cttaaagaac aagangagnt tntctcnaac tattttcatg naaanctgta aacttttttt 360

tagatataaa ncagtataaa gtactnattn ttattttatt ctaaagttgt ttnaaattca 420

ccatgatttt gacgncntgc agattcttaa ncnaggttaa tttatgtttt gaggtaaatt 480

tcaatttaca ctttattaag acataatgtt ggtttctata ggaagcatat tttgtgacta 540

ctatgaacag actgatttgt ttagatatta a 571

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<213> Mus musculus

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cagaaacacc gcctccgtga gtgcactcaa ctaaaggaaa aagtgaggat attactgaat 120

gagaacagaa agctgctggt ggagcaggct ggaacgcaag tgtcccatgg ggaaaaaaaa 180

aggttttgtg aggaggccag caagaacatt tgtgcctcaa gtgccaagga gcag 234

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<212> DNA
<213> Mus musculus

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gcttcactga cgatcacaaa cagtgagata actggtgccc agggtgctgg tgttgaactg 120

tatcctgnga gcatagccat tttggaaggg aatgagattc atcactgtaa taacctcaga 180

accagtgaca gctcaaagag caccttaggt ggtgttaaca tganngttcn tcnnnnaccn 240

nnnnngnngn tgacgaacaa tcatatctac aacaacaatg gctatggagt gagcattctt 300

cagccatngg aacanttctt tattntngca naancnagnt ntcaacaaag gggctgcttc 360

aggagataag aaagatgaca aaatgntntc caaantcatn caaactntga atntggaaat 420

gaacaacaac aggatagaan ccaacttaaa gggggatatt aggatantca ccgggtaaag 480

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aagtgatgtg ccctccgaaa gcctgaggag cgtcccgctg gcggtggctg acgcactgga 120

gcacattatg gaacaactca acatcctaac ccagactgtt tcaattctgg agcagcgact 180

gtctttgaca gaagataagc tgagagactg ccttgagaat cagcaaaagc ttttcagcgc 240

tgtccaacag aagagctgag cagggagggc cgtgagcgag gtcaggtcag tcgccagaag 300

acgggctcac acactctgga ggtagccgag nccttccaca cccctgccac gcactaaccg 360

attnttcaga gggtgagcaa cgaaaccgaa aaggttccag gcattntcag ggactgactt 420

aaacacacaa atcaatgtca aggatcaagt tatgctcctc ccaggtctaa ttgcagtaat 480

a 481

<210> 7250
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<212> DNA
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tgcaaaagct ttatgggaaa gtgtccacaa aacccctggg gaggttaccc aggaggaagt 120

tgacttattt atgaactgcc tttattcaca tttccatagg catttcaaaa ttcacttagc 180

agccacaaga ttggttcgtg tctcaacatc tgtagcttca gcacacactg atg 233

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aacagagtca aagaattagc tttagaggca aggccctacc atcactgtgt ctctccacct 120

ggccatgagg taccactgat gatagaaaac gacaatacga attcgggaaa gtcccttcag 180

agggatgaag ttattcagat acctactgta gagaaagagg aagagaaaga aagtgatgaa 240

ctcacatcaa aaaaggagcc agcagcttca tggagcagnt ccaaccagtg gtgggagncc 300

ntccaagaaa cggctgaggg antcaacgnt gatntggatt tttgncattg cgcantnttn 360

ntntntttg gagcagaaaa tcgntntgct gactgatatc caaaaaaagc tccaatcact 420

acgagaagac ctccaaaaga aaagccnnag ttgagtgaca gcaatgatca gagatca 477

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ttggctatga acattgggcc atctatgtgg aagatgactg cgtggtccac ctggctcccc 120

caagtgagtt tgaggcaggg agcatcacct ctatcttcag caaccgagct gtggtgaagt 180

acagccggnt ggangatgtg ntgcacggtt gctcctggaa gatcaacaac aagctggatg 240

gcacatacct gccgctgccg gtggacaaga tcatgcagcg cacaa 285

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aacttccaaa tcgatcggaa ggacagaggt gccctgctgc gagccttnag ntanatgggn 120

ttcgaggtgg ttagaccaga tnatcctgcc ntccntccct gggacaatnt natnttcatg 180

gtgtatcccc ttgaaaggga ccttggccac cctggccagt gagcctccct aaacatgttc 240

catttntgtg aggggttgga aacctcaaca cacgggantt tngaggccca ggatgtgatt 300

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atcaggcctt ggatcaaggc aaccgagaaa gcttgacagc aacactggag tatgtggagg 120

agaaaaccaa tgtggactct gtgtttgtga acttccaaat cgatcggaag gacagaggtg 180

ccctgctgcg agccttnagn tanatgggnt tcgaggtggt tagaccagat natcctgccn 240

tccntccctg ggacaatntn atnttcatgg tgtatcccct tgaaagggac cttggccacc 300

ctggccagtg agcctcccta aacatgttcc atttntgtga ggggttggaa acctcaacac 360

acgggganttt ngaggcccag gatgtgattt aagata 396

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<212> DNA
<213> Mus musculus

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ggaaggttct cattctcact ttgcaaatga gtaaactgga gatctgaaag gttaactaga 120

atttaaaatg aataataaat gcagggtaga gcccgtgtct atcactccaa agcacaccct 180

acgccagcac taccctgctt gctagtcact ctcttgagaa aacatgtatg aggagtatat 240

gggctgagct tc 252

<210> 7256
<211> 154
<212> DNA
<213> Mus musculus

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gtaccgaggc tgctcgcccg acggctatgg cggccgcgac agctaccgca gcgagcgcta 120

ctcnagtggc cgtgagcgcg tgggtaggcc ggag 154

<210> 7257

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<223> n is a, c, g, or t

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tgctagctgc tagtgagctg tactntcctc catcagggaa agccccaggg ttgtacctgg 120

gcatgcatct atctaagtac cccagtgaga ctgtaattac cttaggatcc tcaaaatgtg 180

ttcataaact cagctngctt atgtgttctg aattgatgca gtcgaccctg g 231

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aaaagagctt gcaaaatgga aggaagtgga gatatgccta caaagttgag gaggctggat 120

gtgcatgcta atcaggagac gacagaaaaa gaagttgaga gaatcttggg attgctgcaa 180

acctactttc aaaagtaccc cgatactcca gtgtcatact ttgagtttgt gatngatcca 240

aantcattct ntcgcactnt ggagaanntn ttnnatgtnt cttttattat tagggatggc 300

tttgcaagaa taaggcttga ccaagacagg ctgc 334

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actcactcca gaagctgcag taccaccttc gaaagaccct gacggagatc acagacnagg 180

aacaccagat tgcagccttg aagcaggcca tcaaggacaa ggaggcccct ctgcgtgtgg 240

cccagactcg cctttaccag cggtcacacc ggcccaatgt ggagttgtgc cgggacaatg 300

cccagttcag gttgctgagc gaggtggagg agttgaacat ntccntcaga ncnnttaaag 360

gagaagnttc aggatgcgga ncagncannn nnggaacntg gaggattnan gcatgantnt 420

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cgaagagtac atttttgctg ctctgaacat ctacgtggac atcatcagcc ttttcatttt 180

tattttggac ctgattggac ganagctgat gnccaaancc agctaaggcc cagaagagga 240

aaggtgggan acctatggtg tgtngacagn ttcaggcgnn tancnntgac cnnntnatag 300

acccttttga gagtcactta ttcatcnntc aattnnactn tatntcaaaa gaagctaaga 360

attcagtaga tggtagctgt agctnttata attttntttc ccttgacata tggcaaaact 420

ttcgtatcca tattgaaata tatcagatta ctataaattc agaaaaagag tntcctaatc 480

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ggatgtgcca cagttcaggc tcgtgaatga ggtcttcacc atagacgaca ctctacagac 120

gctcaagctg aggcttcggg agacgcaaga cacgttgcag ctgctggtga tgaccaagtc 180

ccgtctggag cacgagctgg ccatcaaa 208

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<212> DNA
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agagcctttt aaacatcaac tttactttct aggtaatgtg gctgtgcaat agttttttaa 180

ttttatcttt ttacttttct atttttcata tattttgcta cctaagtatt tcagtgaacc 240

ttgtgcccat gtgtatgtct gatcttttat tattggcttc cacgatcctt attcagacta 300

tatcacatta agagctgtta ttgctagcat agtattttaa attctctaat ttggggcttt 360

tggtggacaa taaattttac ctttaacact ttattctgtt taaactggaa gtaaaataat 420

ggctgctaaa atgtattttt gaaatcaact tctttaatcc taagatatta aatttacatt 480

tgatcaaacc aggtggttca tacatgccaa tgttttaaag gttttctata aaatcatatt 540

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ttcgcagatt ttcggaggcg ttctttngtt ttgaacatcc aagagaagct gccattgcat 180

accaagaact ccatgctcag agtcatctac agatgtgcac cgctatcaaa aatacttcct 240

tctgcagttc tcttccaccc cnacctattg natgtagtga attagatgga gatctcnatt 300

cattacctat aatctttgna gatagntatt tagattcant tattgaagac ttagatgcnc 360

ccnggatggg aattcaaant cttcagatat cagagnccag taaaacggat aaacatgaga 420

ctgaagaaag ctctntagta ggactttcta ncccagagtt gaagntcaga cctnctgttn 480

cctccagtaa ttgctataca gaaggtgaaa agcagctaac naaatctcta aaaggaaaga 540

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ttgaaagtag ctgcacacga agctgaggaa gaatcggata atattgctga agacttcttg 180

gagggaaaaa ctgaaataga tgattttctc aatagcttca aggaaaagag aacaatttgc 240

cactgtagaa gagctaaaga agagaagnct tcaccaggtg atagcnatnc acannncaat 300

ttcatgctcc tctctagatt ttcctgnnac cntnaannan cnannnnnna annggnnnac 360

agncctaagc acattntttt ctatttatga cttagggatg gncacttgaa accatggctg 420

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ttctaatgtt ggtttcctgt cagacgagga tagtttaagg ccccacctta tctgtactgt 180

gttttctgtc catctgtcca tctgtcttca agccatggac taccntgatn cacaagacct 240

tgaantattg atntgatgtc tgtgtagata tnttgnatgt gnatagaact ctattctgaa 300

gtctcactgg ggagctatga tggggacaaa tggatggaca aagactagtt tcgaca 356

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ttccggaagg agctgtttgg caagctggca tggggccaag ggctgggcgc tgcaaatgac 180

atttttatct acatgctaga aagcaatgtc ggcaactacc agcagttcct cagtcaggcc 240

ttgacgtatc tggacagttc ccacatgaca gtgaanctgg cagccatgaa gttnatnggn 300

gcattnnttc aggantattt cnantgacnt atgcatatac ttgagaaaga aagatgtgat 360

nttccttaag aactntttgg agnccntccn ccatgacacg gantccagga cccgaaggtt 420

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tgtgggcgaa catctataag aagcttgaaa acagttttca tacattcatc tcaacacttt 180

tggagactaa tattttgtag actatttttt tcttttgtaa atcagaacaa attattttta 240

tcaaagtata aaattttgtg tacttgttct cgagaaaaag ctgattcttn acatagngac 300

taaaatatca accctgaaac aagccacaga actatagtan ttnttttttnt aatganaaac 360

gaacacnaaa accaaagaaa agtaaagtca ctacagatnt nttaaccaaa tgatatggca 420

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cagcagnaag atccaagcag cggaatcgta gagcttccta tggtcgaagg tgcaagaact 120

ccaacaagaa ccaacgtgct tcgcgtcgtc gcaaaagctg tgctgagata atgagaaa 178

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aaa 63

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ataagaagcc aactcgcaca ttcatgatac agattgctgt tctagccaat catcagaatg 180

gaagagatac ccacatgaga caaattaaga tatacacacc agtggaagag agctccattg 240

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tatgatctga cgcantatga gcactgtcca gatgatgtgc tggtcctggg aacagatggc 180

ttgtgggatg tgaccaatga ctctgaggta gctgccactg tggacagggt gctgtcatcc 240

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cggctntgca agctactccg ggtcctggcc ttcgcctacc cnnannnnng ggactcactc 180

cccatnttct acaggctctt cctgttccca ggggagagtt caagaaatga agccatgttg 240

taccaccaga agcacatggg catgactctc ctggcctctt tcttntactc tgctcacctg 300

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gccagtgtcc cagccacagc cctcccttcc accttacagt tttcacagca gtcacagatg 180

gtggaggctt caactcagct ccaaatccct gtgaagactc aacagctaaa tgcccccatc 240

cctgcccccc tgcccagcca gctccctgct ccttcttcac agcccgccca gccggcccta 300

catgttccga tgccngggaa ggcgcagatg cagacatntc agctttcntc ccagacccag 360

gtantcntgt ggacattggc tgttttanta gtgaggtaca gaagaaaaga ggaaacantn 420

tgcagaggtg gcttggcttg ctntntaggt atttggtagg gtgntntgcg ctgaacctgc 480

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cnatcaggcc ctcatctggg acatccagca gatgcctcgg gccatcgagg accctatctt 180

ggcctacaca gctgagggag agatcaacaa tgtgcagtgg gcctccactc agcctgactg 240

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tgtgttacta ctgtcagtgt ctcttacagt atttgttctg caataaagaa aagatttttt 180

tttcaagatt ttagtattaa aagtcaggac aaaaattttt ttcacttaga cccagaatca 240

tatattaagn cattttatta taggtagtgt atgttacttc tgttannaaa ttnttacact 300

tntgatgaac accatataat gtgaaatatg aggaagtntn tttaaacttc aatttgctta 360

gtacaacagt antcccntnt tttaggaatt gtattgtatg accaatagtt gnaaagttga 420

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cagactactc agactcctgt aaaaagcaag gaagacatat acaaagaaat atgtgatgaa 180

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attaacagat ggaagagaca cgacacaggc tggctatgtg atggagcagc ttcctgtgtc 180

cattagtgat gtgtgtataa cgctacatat tcccaactgt catcatggtt aggcgagaaa 240

gccaatntct gttccatgct aaaagacgga gaaaggaaca aaatatggac attaaaggaa 300

atctgaaatg tattcaaatt ctcatgctct natctccaat aaggaacgtg aataatctta 360

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tgcatctgtc cctgcaccac tcttgtttcg actgtcgtca gctatagctt gtatatactg 180

ggacaataat agatgtggag ggaaagnacg tngttggatc tataataaga acatattgnt 240

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tctcctccat cctcagcaca tgccaagctg tcagggctgg cagacaggcc gaggcagaca 180

gcccttgatg aggccctgaa gtggcaggtg gaggacactg tggtgctcaa caggactcag 240

attcccagag tgggaatcac tggccactgg tgcatccata agtgtgtact ccggtgctgg 300

cccctgggca gggtgggaan aggggntnaa atgagatntt ntcaggcccc anncagggtt 360

tcaggggaag ctnnttttntt gggaagaggg gggcacatga gaanttcagg antntcagag 420

ccaagggcaa ggtttgcaaa ntcccaggag gacactgcta gagcntccta cctgctggct 480

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cagtccctct tcccgtggtt ctgcctttgc ttccagcgtg ncttcaaaac cttcgatgat 180

gtctggaggc tctgggaggt cctgctgacg gggaagccct gcagaaactn cnaggntgct 240

ggtggcctac agcatgctac agatggtgcg cgagcaggcg ctnntngagt ntatgagcgg 300

tgacnccatt ntcatggcct ncaacaacct tntngacntt gatncggatg anctnatntn 360

tncnncctgc ntgntttatt ntgagntcat gcaaaaggag ntccntcagc cattaaagga 420

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cccntggttg ctgtcnggan tctcttnggt atcttatcta acaacaaang tgtgatacaa 180

ntgaacttaa tgangaatgc ccnttgatca ngaatcaatt angaatctat gtnaaagtct 240

tgagatctcc aacatgcaaa atggaatttc tagcgttaga caaaanggaa atattgaaga 300

ngaaaatcaa gaagtttctg gtcgatgtaa gaattaataa tccacatttg gtcattgggc 360

cagagtntcc taatacagaa agtgggtgct ggtggaatta tttctgaaga accggatgtn 420

cctgtaaaaa atttaaaaac ctaacttcca agtggcaaan tctttaactt gtaagaaata 480

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ccccaaagat tacacgtgct gtgacttggt tgtaaaacta aaggaatgtg agaagaacga 180

agaccccact gtcacccctg agccctcacc agcaaccccc tctccatcaa ccccagaggg 240

agcacagagc tctgacccat cagaagatag ttacgagcct ctgctggcaa gttctatgac 300

tttgcaggaa gcactggaag tccatagacc tcagttcatt tctcgctcac aagaacggct 360

gcaaaagctt aagcncatgg tacancnaaa ggaaaaccca acnaaaggag agcctggggc 420

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gatcgcaaat gaaaagtact tgagaaccca caaagaggtg tntctgntnn tnagnngntt 240

nttcagagaa atgtttntga aaagaccgga cnanattctt gaatttgntg cacactattt 300

cacggatcca aganttccca gcagaattna catgcagcta attaaagaga agaaaggaac 360

ctaattagca aagccacaat gntcagctgc tgggagaagc cagaaggaat caagctttgg 420

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tttgtatcta gaagagtcga agcctggggc tccccacaga ttgtgaggcc attcgaagac 180

atccccaaat cctatgtcta tgtgcagcat gcactctggt atgccatgaa agaatataac 240

aaggccagca atgacctcta caacttcagg gtggtggata tcctaaaatc tcaggagcag 300

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tgccatcaga aagtgtacat cgaagatgag atcaaggata actcaaatgn natctaacaa 180

caacggnatt tattgcaccc aatgaaaatc caaacccaga ggaggcttta agagaggatg 240

ctgctggatc tgaccgagaa ctgaacgagg atgacagtac agactgtgat gatgatgctc 300

aaagagaaag aaacgggggg attcagcaca caggcncanc agcancagcn nncgcagaat 360

ttaatgatga cactgattaa agtagcnatt tactantcat tgaggtattt gtttnaaaat 420

tcagttcatc cnaaatggag taatatgctt cacgtcagtg tgtaaccaag cacnaaaaca 480

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agcatgtttt agaatgaatc agtattcaaa gtaatgagaa gtactgtcct tgtatttaaa 180

aaaaaatcac aaattcactg tagacatttt agaacaattt taggtctagc gagactgaac 240

aaagcagaga ccacacacac cctcataccg caccccccag taaagcacag cctcccacac 300

actaaatcac agcacagcgg ttacacgtgt tagaatctgt aaacccactc tgacacatcg 360

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ttgcagtggg ggaagaagaa gtatccggaa ggaaattcat catggcagat aaaagagaag 180

gtatggcgat tcagtactgc attttgttct gttaatgact ggaaatttgc tgacatcctg 240

agcatggctg accacttgaa gnactgcagt tacaacgtga tagagaaacg ggaggaagcc 300

atcccattnc cgtgtatgtg tgtgantcga gagcttacaa aagaaggacg ttccctgcgn 360

tcagttttaa agcctgtgct ttaaggctgt aacttcttca cttgcacaca catgcaagca 420

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aagaaagcca cggagagtta taacttagga attgcccttg accaccggaa agaaatgctg 180

aacctctgga agaagattcg aggggatttg gttgggatcg aaagcaacaa tgagtccttt 240

tacaacacct tttcgaccta cacctggtcc tggaacgtct gccaagagnt gntntccgnn 300

aaggacctcc gnttgnacga cgccagcatg nanaagantt ccccntccaa ntntngnttn 360

tnttccccat nggnttcan tgantntgac ccggagacgg ggaggaagag gaaacggaaa 420

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ccccggagnn tccgntcacc tctntgcttg gtacctggat cntccagcaa ggntccnccc 180

accaagncan ttcatantca ntttntcctt gttaggcaac gggaacgaga aacatnntnt 240

ccactgttcc tgccntcagg ggtntcaacc taaccttaga acagaagaga gtgaaaagnc 300

cgggagcatc aggccaggtt tggaatgtat gccaaggtta ccctcagtaa gggagctgac 360

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ccaccatcat gaaacaagga agacagaacc tctggtttgc caaccctggg ggcagcaaca 180

gcatgcccag ccgcacccac agctccgtcc agaagacccg ctcgctgccc gtgcatactt 240

ccccacaaaa catgctgatg ttccagcaac cagaatttca gcttcctgtg actgaacctg 300

acatcaacaa taggctggag tccttgtgcc tcagtatgac ggagcatgcc ctgggagacg 360

gggttgaccg gacctccaca atntagaaac tgaagatgac agtgaccgcg ctggccgtga 420

natggactgc tgcgggccca gtntcagccn tnttnagggt tgcagagant nnttccaaga 480

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aaccattaca ttgactatga accacttaag tctgcctacc gtgacccata tgctatgtgt 180

ccaaaccctg ttcgcctcag taagtctaat attcttcaaa acaaaacaga tanggctgat 240

ttcacttttg acaacttttt aagtaaacca gaatttttgg gcatgaacat ggaaagcaat 300

gaagaaacaa gacctctttt agattnnatc cctagagctg gagtncccaa ncntcattcc 360

aacctgcgaa ntnttaggaa cacattntca aantccatgg cacagaagcg tntgcataan 420

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agtgccaagg accaaaaaga aatgtcaccg aaaaagcata ctactgaata gagctttcta 180

tattcagaag cgaaactgct tatcaccttc acttatagcc aggggcnann nntcacccac 240

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gaccattctg cagtggacca ttgacctcaa gaanntggtn gccggggaca tgtacctggg 180

atcggcccgg cttcctgcag anaccntntt catcatccct gantctntct tcacagantt 240

agttgtgggt aagataaacc cacagaaggc tttcctggct ggcaagttta aagtgagagn 300

caaanttntc cttantcaga agctggagag gatnttcaga gagtgggcta aaatttaagc 360

atgtgggaat acccaggaaa gatcaagant tntggcttat aataatgttg agtagcaatc 420

atgctttaac tgaagattaa aggaaacgat agccaatatt tttantcaaa ttnttcctat 480

tcaagttcga ttgatttcct gctgatgtgt acctttgctg ggatccggaa tagt 534

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gagacagctt ttctctctct ttgacaggaa tcaggatggc accatagact tccgagagta 180

tgnnataggt ntaactgtcn tgtncaaccc atccaatacg nagangantc tgcaaatgnc 240

antnnaacnt tttgatcttg atgagnatgn ntatgnnaca gaancgngag tngacaacta 300

tgcttcaggc nagctttcgg agtgccnaga cntagatgtt tccanantnt tccagcagat 360

ggntggcaag gattcagatc aggtttcata cagaactttt cggaggtttg ccctgaagca 420

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gtctgtgtgg aaaatcagaa tgtgactctt ctgtaacaga aaatgcacac tgtncaaatg 240

ttttacagtt tgttcacaaa aagtgttgaa atgttaaaca ctgtcccttt tctgtaagct 300

ttttctcaga acttgttttt taagcatttt tgagactgtt nggntagtta ctntcagaaa 360

catttntcag tgattacaca gtaantntac agatgggctt ataaccaaac ggagaagcct 420

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gaacatgctg aactcgctgt ctcggaaccg gactctgccg cagattgtac cccgctgtgg 180

gtgcgtggac cctctcccgg gccgattgcc ataccaagga tatgaaagcc cttgctccgg 240

ccgccactac tgtctgcgcg ggatggacta ctgcaccacc cnggagccta gcacagaang 300

ccgcntgcng nctttgtgnt nncagcancc gactgagtgt gtcgcccttc gntnaccggc 360

caggaatnca atntgctgtt acaantcccc cnccatcatt ttacccgtat cccaacctta 420

gatgggacac aagtcacttc aagaagactg gtggttccca gagaaacaac tatgtagtcc 480

atcctgagtt tgtntntgag acctntcctn tntacccttc ctagtaaagc tttgaccagg 540

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agaatgaaaa agggtcaggg aaagttggac ttgctgagtg tctagcacaa tccttgacgt 180

cttgcacgtc ctttagtgag ccttcacatt agcccgagga acccacagaa gacgcctatg 240

actcaagaat tatcggccaa catgtggact tcctgctgat gtctgcactt gcattagagg 300

aggctctgga ataccatttg tggtaatgga ccacttctgt atnttgattg tggtnnngnt 360

natatgggat caaatntnac aggagcaaat gncacaggct gcgtgntgag cngaagcntn 420

tggantntta aagaaggctt ntganttagt gaaattggan tacagccaac ttgctggctc 480

agagttttgt ggtcaca 497

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<212> DNA
<213> Mus musculus

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cctaatgagg aatggctaca gcttcaccca cagagcacat aaatctttct tgtacctttg 120

gaagtgcaaa tgagaggttc attaattagg tagacctgtg ccgataggtg tgctgtgcag 180

gtcacctcgg gattagacag gttagagatt gcatcacaga cagaaacctc caaacattgg 240

gggcaaaatt actcttctgt agtcacaaac tg 272

<210> 7299
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ctggagtacc tgataagtcc agatggactg atggacatct gttgatctat gtgtaacttc 120

taaaattggt atcgtatcca cagagtgtat aatttaaact aaccacagag ctttacatct 180

tcatttcgac tgttctgtag cagagtaaag cacttgaaat aagactccct ttcacatgtg 240

ggttataagt ttcagtcctg gtatctgctt gatttttatc agttttgtgt agactttatg 300

tttcatattt taaactcaaa tccagcattg taaagtttgt acaatttgtc ctgaagcttt 360

gtgtttggct gcacctgcat aagctgctac aaatagaata aagaattcat agcctgtatn 420

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ggcctcatgg agatgattgc ttttgccagg attttctcca agggtcaggt gtccatagcc 120

actttcctgg agagctgtgg ggtggccgac ctcgttacta cctgctatgg ggggcggaac 180

cgaaaggtag cggaagcctt cgccaggaca ggaaaaagta ttgaggannt gnagaaggag 240

atgctgaagg gacagaagnt ncaagggcca cacacntnnn cncaggtgta ccgcatcctc 300

aagcagaagg ggctgctaga cgantttccc ttgttcacag ttntgtatca aatntntcac 360

gagggcagac cagttgcaga gctgataccg tntttacaga accacccaga gtacaggtga 420

aggcagctgg ggccggccag agctttacct catccatntc agagacacat ggaaaccagg 480

acgtgacagt gagacggttg cctggctaa 509

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cagtattcac cagaagccct ggcctcaatt cagaaccgga tccagaagcc ggagcttccc 120

gcaccagaac tggaaagcaa gcaagctaca ggagaaccca tggtgcaggg tacagaggaa 180

tccaaggtgc aggacttgga tgcactgata gaccaaatcc atatgcacct gaaatacaat 240

tcatgcaaag aaaacctccg tgaaacattt caaatgtatg acaaggatga atcgggatat 300

gtggacagag agacgttctt taaaatctgt gaaactctta atgtcccggt cgatgactcg 360

ttgattaagg agttgatcag gctntncacc cacggagaag ncaggattaa ctantataac 420

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caagcttgtg ctgagagatg taatattatg agactggtag accgacggtg gggtggggtt 120

gctaagggag taggcacaca gaggattatg ggccgcgttc atctggctca gattcaaatt 180

gaaggtgatt tcttacagtg ctctttctct atacttgaag agcagcccat ggatatcctt 240

ctagggcttg atatgctcng gaggcaccag tgttccntng acctaaagaa aaatntnctg 300

ntgattggna ntaccggntc acagantcan ttccttcctg aaggagagtt gcccttgtgt 360

gctaaactgt tga 373

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ctttgcccaa tccagatgaa gatttccgac ttgttccctc caggataaat a 171

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<212> DNA
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aaattcagga gagtttgtgt tcccgttgga ttnctccaca caaaaagcct tatgaatgtc 120

ttgtactggg gagagttaaa gaaaaaactc ccttagcatt aaggaatcca gatgtaagaa 180

taccccagt tccagatcag aagttgattg tcagtgtgcc ctgtgttctt cactcacaca 240

aaccgcntct taccgaagtt ctgagagact acatcaagcc agntgnccag tgcttggaan 300

ttgttntgct aggaatttac anccaggttg gatganttgg gncaacgaan tcctcaagtt 360

tcagcacatg gattatttca ttgctctgga gtccggatgc tgactgtaaa agttgtgctn 420

tctttacctc agctccttcc ttcaaactta tttccccttg taccantcag tgtgcttaga 480

catatgaact tttacaccat tcagtgtacc cagaagtat 519

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<212> DNA
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aaggcattag ctacctggac agatccacca atgttttcaa caacagcagc taccccaaag 120

ccctgagctt acctcagctg gcggctacct atctggaaag agctgctaac tccctctacc 180

tggaccaaac ggaacgcccc ccaccccgaa gctattccac tcccagcact agcacagccg 240

ctgccaatca gcccccagcc aacaactgct tggtcccttc cactcgggac accaagagcc 300

tgcagtgcnt ggntnnntcc actggtttga antatcaaca acggcctaac agccagactt 360

tcaatgtcga gacacctcag aggcccgggg taaaantgcc agagattccc ctgttcgnca 420

acgggttntt ntccttagnt nntntgccca agttntggga agcaatccgt tccggatgga 480

atgntcctgt gcccacccct aagcccgagg gctggtggtg acatggatgc cacctttntc 540

cagtgggcac atggccaccg tgtggaaaa 569

<210> 7306
<211> 388
<212> DNA
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<223> n is a, c, g, or t

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cgactaatca aagggtcacc tttcaagctg catcttcacc cgaaggacta ttttgatact 120

aacccttact ttttagagca ccatttacct ccccttagga gagaagaaaa gaaggaagtg 180

tctttcaagc cctttaagcc ctcctctcct ggtaaaaagg ctggtggaat gaaagcaggg 240

gcatttgacc cttacccagc acactcagcg gacccttacn tggtcaaagt ggaaaaggcg 300

attccttcga aaggtgaaag ggttttccac ccacccaatn gaccaaaaag cagacccgtt 360

gaaagtataa tggcgctgaa tgtcaaaa 388

<210> 7307
<211> 290
<212> DNA
<213> Mus musculus

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tgtggtcatc ttccttccta aaagaaagcg caggtgaaac aagcaaggat ttggtccttg 120

caaagcaaga gggaaatagt gactattgcc ttaaggacat tgaagagaac ttgtcagact 180

cgacagatgg tgatggtgaa gaggacagca gcaacgacga tgacgaaggc cccactaaga 240

aggcgactca agccccactg gagctaatgg cagaattcct gagagcagaa 290

<210> 7308
<211> 537
<212> DNA
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gtgtgaccca tctgatttct caatctggta tgaagaggct ttaagagatg aggaagagag 120

ggcctgggcn ttaaatgatt ctgcaaatac aagcccaaat gcgtggtttg tcgagcgctg 180

atcactggtt tctcttatcc agtgtgaggg atccctttg gcatgnattc actctaactt 240

tnaatagagc agtcaaaatt ttaagtaatg aaaatcaaac ttaggctcag tagaacagta 300

tcattatgct aattagggtt ttcttaactg tttcatttgg ggttactgtt aaatgttact 360

cattttaagg gaaagtgtat tatntctaaa atttgtcatt gaaactgata acacaattat 420

tactgtttgt ttaaaaatat agtggaaaaa ttatgtaagg ttacctttg atttctttan 480

tccttttatt ntnttctgga aaatttaaat gtggtatgca tttattttcc agactaa 537

<210> 7309
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<212> DNA
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tagacaattg tcgaccaggc tttgggaaaa acgaaggtct gcacagcaat tgtgctacct 120

gttgcgtggt ctgtagtcct ggaacgttca gtcccgatgt ggatgtcacc tgtcagatct 180

gtgtttctgt ccatatctat ggagctaaag cttgcccata aactccaaga gcagaggtgg 240

aagcatggct gtttgccctt gaag 264

<210> 7310
<211> 452
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agtgaaggct tgccatcgta aatcctgttc caaatgtagc aagaagataa gaaggcccac 120

ggtgcaaaag cctaagaaga agagcaagaa aacactgcca aacatgccta aaagaaagan 180

ttntaagnaa antacaccac caaaaaggan taataaaggc aaggggaaag aantatttnn 240

tcactaccac cntttgttga aagagctntn aacaggtagt gggaaggagc ccgaacatag 300

cagcantgag agntncagga gttcaacaat ggattaagaa tgccagtaga ntcagcatgc 360

taaccaaaga cctggggatn tgtgaaaagg attggcagct gagcaatgct aaactgtgta 420

ntntgaaaat gtaagtgcta cacagtgctt tg 452

<210> 7311
<211> 273
<212> DNA
<213> Mus musculus

<400> 7311
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tattacgttt ttctccagat gtgtaaggcc catggcattg gctatgacct tgaggacaga 120

caaggaactg tttttatatt atatgaatct ctgaagagat acaagttggg catgttaaca 180

atcggtgtgg atctccaggg ggtcctcatg acctttgctc gcaatctctt catcatccat 240

caagaaatat cagcacctga tatgcaaggc gag 273

<210> 7312
<211> 271
<212> DNA
<213> Mus musculus

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<222> (215)..(215)
<223> n is a, c, g, or t

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ggatttaaag cagaagaaag aacagctgga gtctaagaag accatcaacg agctgcaggg 120

ccagctggcc tatgagcgac tccgcaggga aaagttagag tgccagctgg atgagtatcg 180

agtggaagtg gatcaactca aggaaacgct gcagnaaatc caggtcacca gtgtcgcggc 240

tatggaagat gactcgtgtg agtctagcaa a 271

<210> 7313
<211> 404
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tattcacagg ttacaagctc agtttccgac agacctggtc agatgactct tcatctcnan 120

cctttcctgg tgtgcggagg ggatggattt actcactcca acttcaatgg ctgcntctcc 180

tctnccctga gtgtcatgaa ngttttaaag cgttatattt agngtctgtg ttcttgttct 240

ctacatttac tttaggattt ttgttttcac aatcctctgt tattaattgt tctattttcc 300

tttctntgaa gagaaattac tttggaanaa tgtcttcacn tactgttatt tttnatatga 360

aatataaaaa caatgttata attttgatag ctaccaccca tagt 404

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<212> DNA
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gactagcgtt tctttaaata atgcagtcat agtactggca aaatctccag agagccacgg 120

actttggcga gagtggtatt gtggcttgaa caaggagtct ttggaggaaa gattgtttat 180

caatgaagaa aatgttaatg ggtttcttga agaggtcctt tgctccccat tgaagcaggc 240

aaggtctctg gccccaccgc tgattgaggt tcttcaggcc actgatgagc aggttcagat 300

ccatgcagag ttgcaggaat gtagtgatcc tgctgggctt caaggaaagg gaaaaggagt 360

cagagaaggc tntcctntga gtgaagcaga agccgctgac cantccncca cctctccagc 420

tgcttctgat tcagctgcag cnagtcgaag cactaaaaat aaacacgcat ggttcagctg 480

tggacctgca acacggctnn tcctgaggtt cctcacgtac tgtctggaaa accgctgcaa 540

ccagaggcaa aaatggatcc tgagtttata agagaaagta gtactaccta ctcgactg 598

<210> 7315
<211> 501
<212> DNA
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<223> n is a, c, g, or t

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ccagagagcc ctgcacctcc catgctctgg aggtgaggag gacagaccat gtgcttcaga 120

caaccactca gagccagaaa ggcacgagct tcatctgatg gctgtcggaa gaattctggt 180

tccagtccca actcttcaca ctcctgttca agactgattt tgtactcttg atccaaacca 240

ccttgggatt tgtatccatc aaggcaaggc tgccaccttg tgtcctgggg tctctgcaga 300

agatggggaa gtgttggtga gggaactgtg cacatatggc tggaagtgcc tgcttgagtt 360

ctgccatcag gttgtttagg ggggatagca ttcagaagtt cttctctgga acattctcca 420

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gaccctatcc aggcagagta t 501

<210> 7316
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<212> DNA
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<223> n is a, c, g, or t

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cacccagacc cagatcgatg agtactggga cctgctccac agatatggtc aaggaagata 120

ttctgaanta atcaaaaant ccaatgctat tgaactntta tntacantct accctcctca 180

aggtgccaga ntnaacatna ncacaagant aaantcnaca tngntgagac ccttggtgga 240

tggggaagaa ggctataagt acttagtgaa tggacatcca atantcaaga gagntaacat 300

ccggactgtt ggcaagttgg tggntcgatc cataagagaa agaaaaatga gacaatttta 360

taaaacatga gaantggaat aaatttttca ncacagtgnt ccattaaata gttgaanttn 420

tntcctcaga aatgcatatt agtaatgaac acagaatgat ttgctattga caggataa 478

<210> 7317
<211> 564
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgttttcttc gatgagggag aaaaccaagg aaagcccagg gaaggtgcct tgcggcggac 120

acttccggat tagacagaat cttccagaga atgcccaagg ctggcttggg aacaaatggc 180

tctggctttt tgttgccatt atgatatatg tgatgctgaa gtttcgagga gatggcgaga 240

ataaggagca gcatcctcct ggcctccgag gntgccagtt ccgctttcca ccaaagaaag 300

ntcaaaatat ttcccccanc aaaganttna ntttcaatan tttaacccag ctcgagatng 360

aattggtgaa atttntntcc aaggtgcgga accttaagnt ntccatggca actaacagta 420

antccaggca gcaggttcca gagagcccca cgaacctgta caataatntc acaatatatg 480

agatntgggg ggaggaggan tntgagtgaa gaggtttata gtaaagtata agaaaagaca 540

agtattgaca gacagtatcc gaac 564

<210> 7318
<211> 482
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (302)..(302)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caacagaagt tcaaaacatg gccagcgaga gtcagtatgg ttctgatggc taacctacca 120

aggatcccga ttagttatga cagacacatt aatgcgtacc agctaatcag tggcttctcc 180

ctgttcccaa gtaacgatcc cgatcaaagt tctctcgatg actccaggcc tatttacaac 240

caatgacctt ttgaatagtc aatgttctct ctcattagtg acccagataa ataaccnntc 300

cnattgatca tcctgtgatt cgggccagtg actccctcna cccagatcat tgatcagtta 360

gtgncccacc tgtacctgct ntgggctctg ggtgacaccg aacccaggaa tcgattccag 420

cttatccagt gtgccccctg tgtntcccag actgcgnccg ctgatcattg gcacctggtg 480

ga 482

<210> 7319
<211> 531
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agggatgtgt ggaggcatga gcagcaggta gctgagctga gcacggctga ggtggagaag 120

cgcgcaaatg tgctgatgct gaaggagacg ctgcgcatgg agcaggcaca gatgctgcag 180

aaggcctttg gggttgagga ggctccaggg cagctgcagc cccatccaac cctgaggaaa 240

gaggctctgg agcgtctggt cagtgaagcc atccatatcc agattgcatg cctgcaggag 300

cttctacagt acgagatcca ggcnagcctt tgacatnctg gacctgaggc tgcagaagaa 360

aacantcant ntcagtgntc ctccaccccc gnttccctnt atcaccactg gaccagcanc 420

cttagaggan tntcccaagg ctagtaaggc caataaagga aagaaagcca aagctaagaa 480

gtaggaggct ggtgantacc antcaaggac acgcgagaaa agcaacttgg g 531

<210> 7320
<211> 228
<212> DNA
<213> Mus musculus

<400> 7320
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gcttgccgtg gcctccagcc agccagacac caagagcaag cctcaggacg acttgcagac 120

ccaagactgg gtgtgtgagc ctcaggaact caggcgccca ggaagtcgct ggaacatcag 180

catcgatgag cgcaggcggc tggccttgca gcgtatgcag gagaggac 228

<210> 7321
<211> 461
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ccaactaccc ggtgcccggc ggccacgagc gcaaggtggc gcagatactg ctcaacgggc 180

agcgcaancg ncngccancg ccangcntgc anaccnnnnc nnngnnnncg ncnnncnngn 240

annncncnnn ncncttgagn cgggaacctg agacaggagg atcttgagtt ggantcctgc 300

ctgggcatta ttgaaacctg aaagacctgt taaaaantnt tttccagctg taaccaagat 360

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acgtcggggt ggggcacagc ggcaacatca tggccatgcg gataagtcca ggaaaccagt 180

atatcgtcag tgtgagcgca gatggagcca tcttgaggtg gaaataccca tttgcttcgt 240

gatgggctct ggatctccgc agcttccacc ctgtgtnnnn nnancaggcc tgtccagggc 300

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cctcgtggtg gagctctccg gtctgaaccg gctgattatg agtacccacc gggacctgga 180

ggccttcaag cgcaggaaga ccaagtctct gccttacctg acaaaggggt tggggagcct 240

tcctagaggg gatcagagct ggagggactt gtaatctgct gcagcctgta ggggtcggct 300

taccatggct ccagatgcag gaggctgagg gtgnccactt ggccaggatc actattgntc 360

ccatgcaaca gggttgcctg agctttaagg aagtcacctg acagagcatg gccctactcc 420

cgatgctcat cccggtttga gcatgcagga ntctgagctg agctgcagtt gtcgttgagt 480

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cggtggtgaa acacattggt gaccttctcc agcaccgcca catgctggtc cgaacggctt 180

ttcgagatgg aacagcagaa gtggagaccc agcagcagca gcagcagcag cagggacaag 240

gacaaggaca gcaggacgag gtgggggatg gtcccttcnn atnttgccca agaggaanan 300

ntcccgncca gtcccantcc cntcctgccc ccctgcatgt tgaagccccc caagcggacc 360

cacaccttnc cccccgaatn tgcagtgact ggcgatgagg atatttcaga tagtgaaata 420

gagcagtatt tgcgcacccc tcaggaagtt agagactttg agagagccca agctgctagc 480

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atgcacataa ggccattgtc tgtctgagtt gtcagcgtcc ttcatgttct gcctattagg 180

agcgatccaa gtgcccttct gctactgacc atctgcataa gatactcgtg ccgtctcctc 240

ggtgtgcaag gngcggctga agtgagttag gtgtccagcc gtgtctgctt tctcagtgtt 300

ccgcttgcct gttgcaagat tgttctaatg ttaattacac tagtaaaatg gctcagtcct 360

tgtggtgttg cagttttcac ataattaata cttttattct tattaaaata gagtactgta 420

caagaaccta gtataattat atcttgaaat tattttgtat aagaatatat ttagaaaagt 480

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acttccntng cggaccattt gaatgtggat tttgccttga ttcacaaaga acggaagaaa 120

gccaatgaag tggaccgcat ggtgcttgtg ggtgatgtga aggatcgggt ggctattctt 180

gtagatgaca tggctgatac ttgtggtaca atctgttacg cggcggacaa acttctctca 240

gngggagcta ccagagttta tgccattttg antcatggcn tnttttntgg cccagctatt 300

gntngcatca atggngcatg ctttgaagca ntagtantca caaacaccat acntcaagaa 360

gacaagatga aacagtntag caaaatccag gtgatngacn tnnccnatga tccttgctga 420

agccatccgg agaacccata acggagaatc tgtttcctac ctgttcagtc acgtaccctt 480

gtaatgcagt   490

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<212> DNA
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acgagagaaa ttcgtcctct ggcttttgaa tgtgacacct tggataataa tgaaatggtg 180

gcatctgtta aattcaccgt ctatacaaca aatgaactgc agatgagaag atccagcaga 240

ccagacactg atgcagtctt agttttcgtg ctgaccatag gagtcattat ctgcatattt 300

gtgatcttcg tattgatttt catcatcata aattgggcgg cagtgaaatc ctt 353

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gactgtgtct caagccggca cttcctccca agtcagaaag cccagcaagc ctttatcgac 180

cccactggtg aggaattttt ccaggccggt agaaaggcca acgaactttg tgagagcgcg 240

gccagaaggc aaagtgattc ctttgaaacc aattgaaatc gttctgccgc cagtgatatt 300

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ggttctctgc cttctggaca tctggattgc atgtccctct tgacttaaga acccagacta 180

tgaggcctca ctagagcact gcctgtttga ttactgtttc tgaacttgca aaatggctcc 240

tgtccaaagt gcttaatgtg ttttttaagc cttcaggtat tttataagcn ttaagatcct 300

ttttatgatg tagagcaatt acttggcttt cctatgttct tnacccccat cngtaatttc 360

tttggaanct ggggcttttt atgtntntta taaaatgctt tntncaatnt aatatgatca 420

aacaatctat cnatggggtt ctgagtggta tcaaatgcca gtgttttcct ttgtgtgcac 480

tcactcgcac acatat 496

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gaaggcaact cctgaaagct gaagacatga gcaactttca tggctgctaa cacctgatgt 120

aggtgcccat gagattccca tataacaagg cacacctcat gcattttgtg caaaaggaaa 180

ttcacaacaa ggtgaaagtt atcccttggt atttagggag tgtctacata cagatattct 240

aggttccaga gggaaaagct tttcctatgt aagtatgaga ccatcgcaag aaagcatttg 300

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gcgaggcacc ctgcgtgaga cgctcactgc tgagggccgc cctcagtgca tggatcattc 180

aatcctggtg gaggaagata ctggccaaaa gacaggaaaa gaatcgactg ataatcctgc 240

acttgatggc acaagaaaca agggcctnnn tccttnttca nttngtggnt ccggatgctg 300

aaaatccntc agaattattg caggttgtnn tatgccaccc gtntnatcca ggcntngtgg 360

cgctggtata actnccgcac ccgtggcttt ttccagggca gctatgaact tgtaggaaac 420

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atatccttgc caa 493

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ggaggaactg ctgggtgaca ggatggggca ttactaatac tagtgaaaaa ggagtccaac 180

ccacaattct gcaggcagtc aaagtggatc tgtacagatg ggattggtgt ggctatattt 240

tgtctctatt aaccaagaat atgctgtgtg ctgggactca agatcctggg aaggatgcct 300

gccagggcga nantggagga nctntcnttt gcaacaaaaa gagaaanaca nccatttgnt 360

accagntggg cattntnann tnggngcatg ggctntgnca agaagantnt nccaggagta 420

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gtcagaagat ttcgagacag ggcaagaaaa atcatttaag agcatgatga gcatggagag 120

cacggctagg ggtgaggagc aggagcccat gcaggcggag gaattggtga tggactcggg 180

taaaacccta gcggagatca gcgatcggta cggggagcct aacttgagcc gggtggaaga 240

acttgatgag ccaatgttat ctgataatgg tgtctcggcg cctccctgaa tcgtggnggc 300

agcacaaata taaccagaat agacttaagt ttgantcaag agatggggga gagggagccg 360

aaaaggaaac ccagcctttg tccccgagca gccgagctgt taccttaaac attnatcaag 420

atntgtagga ccaaccaact gaaaagaaat attttctacc tgtttcaaan ttcaaatcac 480

aagggcccta acatgtattt ttntcttttc aaacttggac cctantcccc ttcccaccaa 540

ntcactaact ttataaacag gcttcaactg tatccttaaa 580

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<212> DNA
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ctattttaca gatcgatagg gacccaatat attgtttctc tgatccaaga actcaaagtt 180

aatttctagt attataaatc ccatcgaatt ttgttgtgtc ctccctctaa ataaagaact 240

ctggtagcat cggatgc 257

<210> 7335
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<212> DNA
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ggancatctc agcaggaccg tccggccaaa tgctgccgcc cacttctcct gcagagccct 180

cctatcagca cgcagaccct cggctggtat tgcagcagtc tgacatggcc tcaggtggcc 240

cggcagatct gctcctcatt gcacatgtgt cacccgccag gatgtctgtg actctaccct 300

ctgcgaacct tgaggactgc tctcagtccc tgagcaccag ctccatgcat ggcggcaccg 360

aatcctcagg gacagacacc ttctgagcag gaggagagca gcacaaggtt catgaagact 420

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ctgttggcct 490

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<211> 179
<212> DNA
<213> Mus musculus

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tcacactccg cttttacttg ctgttgctga aaataatgaa aatatggtaa aattccttct 120

gaagaaagga gcagatgtaa atgcatcaga taaaaaccac agaacagcca tcatgattg 179

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<223> n is a, c, g, or t

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gaagggtcct gggactcttc actggtgatg aagaaaccaa agcagaacca agtttccaca 120

gtaaccgatt ccgaggtggc tttggtcagc gcctaccttg agcaaagacg agtcaggcgc 180

cattcccagt tcctccgggt gaatcagatc cagcaagata gtgacaccac tgaatgtgac 240

agcgaggaat cgaactccgg agcgtcctcc tggaaggaga gtgaaagcga ccatcatctg 300

tcacctgcca atattaagag gaggaagtca gtgtccaggc aaagggatat ggaaaactat 360

gaagtcagac aaaggccctg tctccactgc aaagccatga gaaccaggga gtggctgaca 420

cgtcacttcc caccaagcgc ctcagtaaca acccccatga agggagagat tcaagaggag 480

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gaa 543

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acacaggctg gtactggtgt ggtatccagc gggacttggc cagagatgac atggatttta 180

cacagctgat tgtgactgac aatagagaag accgggccaa tggcttttca tctgaccctt 240

caggcaatag gacccggagc tgtaggnctt ccaaanctnt ccaaaagnca gaggnctccc 300

gaatgtccnt tntnatcatt tgtananngа ttaccagttt ggggntnntn tttataatca 360

gtcacttntc cagaggaagg cgaanccaaa gaaatagaga agttantggc aaaagcatca 420

gtagaaaccc acaagcaagc caaggcccgt ntatgntntc cataactttg gcaaggattt 480

gaagttcttt ccacgt 496

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gccaacaatg ataaggcgtc caccaacaat tgtttgttac atctgtngcc nnngaatatg 120

ggaccanatc tnttnagcna ttcatgagcc acagtntntg anaaagtngc ntaatgagaa 180

cantntgttg cctaaagaac taaggagacc agaaccgaaa aaaccagaan tcagaaccat 240

tactgccaaa gggttntacn atnttgacgc cttaaacgaa gctgcttgga caagtgccca 300

gagccaattg gttccctgta acgtttgtgg gcggaccttc ctgccaga 348

<210> 7340
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aacagcaaca ccagcaggcc acggaacaga tgggaaagga gcaagaggct aatctcaacc 120

tgaaccagga gctgcaggcc aggctgcana ctgtcctgcg agagaaagag gagctgctgc 180

agctgtccat ggagagaggc aaggtgcttc agaacaaaca ggctgagatc cgccagcttg 240

aggagaagtt ggagacagca gccatggcta agaagcatgc gctggaacgc tttgancaag 300

aggcantnnc cnttnatagc aacctgagag ttcgcgagct tca 343

<210> 7341
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<212> DNA
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gcaaagcaaa agtttgatca ttcacttgtg tgccaaagtg taaaagctag ctctgataca 120

ttcattctat tgagcattaa gattcaagtt cgttacatca accaattcta atattttctg 180

caagtctatc ttacttccac tttcttggtt tttctcctta ataactgaga ggatttagac 240

attctctatt gagactattt tacaatatgc taataggcaa aaaaattacc tcaatttaag 300

gtaactagtc atagcagatt ttggtagcag ctcataaatt gttttctgtt tctgtcaata 360

cattttgtgt aattttgtgt tttaaaagtc caagctgaat gcgtatatgt gtacttatgg 420

cattctttgt aggaa 435

<210> 7342
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aacccaagac agtggacacn tnnnncncac nnnnnntnnn gnnntcaacc tcgantgctg 120

agccaaagan agtgaagatt tgccntnatc agttccagtc caaatgtagc aagaagatta 180

gaaggcccaa ggtgcctacc angaaganca agaaaacgnt gggaaggatg ctgaaaaaaa 240

agncatctaa gaanaatana gcacctaaac ggcgtttcga nttgtgattg agaatgccag 300

tntcagcatg ccacctaaag gaggtgtggc atntgagcaa tggccaactg tgtagatact 360

gtagatacta cacagttctt tgact 385

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ttatttggca gtctgtgtta atgcggtgct ggcaaagata aagaagattt tccaagaaga 120

agnatccatt aggcaaaata gagagagcga gaattttagg aaagccttnt ctgagcccgc 180

gntccgaaag cccatgtttt ctgaaagtga aatnaaagca aaaccttaca ggtcgttgcc 240

agagaagcca ganaaccttt tagatcaacc caancntcct gccaacaagc agagtaacaa 300

natccagntt ttacnttctg tntttgacca attggctgaa ttgaatgaat gagaaataca 360

aacacaaata ccactttaga gtgntcaata gtnntctatc cacaggtaaa tttcatcaga 420

cataccagag gaccaattta tataagctga atgtaaattt aagaagggac agggtaggga 480

aaactatgac atcntcntct tgtatcattg tattttctat atggca 526

<210> 7344
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tcatcgcata acgggagagg aacttatcct cacatccctc cattatatct tgatgaatat 120

gccacagaat cgtttgtgga taaaaaagga actgagagtc ttggggttta gcctatcagg 180

aagtttatca ataatactac agaagaggcc ttcaaatcat acgctgatct ggaccatgac 240

aatgaatatc ctaagcatct tcgcaacact agttggnttn ttttnaacaa cantngaaat 300

gatagtgact tnaagtgtat attntaccct ntggcnaata taagagtggc aggntgcntt 360

acagnanntn tnttncnntt nnnnnatgtt ggagttnttc ntggcatcca tagtaactga 420

gtggacctat agagcaa 437

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<212> DNA
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catatggctc tgttcaaact gagcacattt tgccttttt ctttcttttc ttgggggat 120

gggataaatg ggatattttt taaagaataa atcccgcatg tgaaagttta tgaaggttac 180

tagcaggttc tttttaaaag aacatttggt ttttttttnaa acatgtgatt tttaacacat 240

atatttcttc catattcaga ttggcattca tatatgtatc cattctgtag aacacatcat 300

gt 302

<210> 7346

<211> 575
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aggcagtgaa aaagctacaa actgatttgg caatagctaa gcaagaggct gccatcactg 180

tcctggaact caatgagaag ataatgacac tctgtgaagg aaggcccttc cctagagcaa 240

ccaactcagt ggatgtactc tccggaggtn tccnnncnnn nnnnnnnnnn nanaggaant 300

tttccctgat canngagctn tccacccnac tttcccttca nacgnagaan atcantcagn 360

tcgaanacac cttancggnn aaggaaaaga agatcgagga gctggaagca gagtgcactt 420

cccagntccc ccaaggtgaa gacagantta cagaagattt ataggaaccc cctnccntcc 480

ntccccaccc ntccccactg taaatgatga ggctaggagc gntcccacca cntntgatgg 540

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gaatggcagc gttttgcaag ttctgtagag acaccaatag aaaacaggaa tttgttaagt 120

ggtgaacagc aagatgggaa tgnttcaaaa ttggatctta tggaagaaca gaatccagta 180

actcatgatg atgagaatga attcctgaa gaaatcgttg gagatacacg ggagatgatc 240

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gtgccaaaga tccctttcct aagcgacaag acaactgctc atagaaaaac gggctcattt 120

ctttttaca gtgtgtctct attctctatc aactgaggaa gcactgttaa gcacattgta 180

tgtagcacac acggctanac acacatgtgt gtgtgtatat actcagacag tntgcagtgg 240

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caaccaaaag aggcataacc atatatgctg atccagatgt tccatcagta agtgggtcta 120

gccagaggcc gaatgagaag ccactgcggt tgactgaaaa gaaagactgt gacgagaaga 180

acggctgtgt aaaattactg nannttntan atccnnatcc tntnagannt nanngnacnt 240

nagacctnca cnanttncag nanggtgaag ntggncacac tgcagncctn gggtggtgnt 300

ccggaacagg atcgagccct gcctaaccnn ggagaantca cntctntcgg cagacntgaa 360

gaagntgaac atgttnttaa anccagantc ctgacgacat nccagccctt tccaacacag 420

agtgttgctt tgttttgntt tntntgttct gttntaagag tgacggggat gaaatacagg 480

gctttgcgcn tcctgggcat gcattcatca ctgaaccata ccccaatt 528

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<212> DNA
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aagctctctg gtttgccaga tgaacaagac ctgggtccag atgggcgtgg tgagctggaa 120

ctttgactgt ggccgtcgcc aattcccaag cgtctacacc agcacctccc acttcaccca 180

gtggatcaag agacagattg gcgacctgaa gtttaccagc atggctgtcc cctccttcct 240

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acagatccca gctgagcact tggccatgaa ctttcatgag gtgctggcan atctgggctc 120

caanacactg acaggactct tcagagcttg ggtgagggcc ggtttggggg accagcgtgt 180

ggtcttcant ggcctantng gcttgnaacc ttccacactg nctcatagtc tcccccggct 240

actagtgcag gccctgaagg ccttccgctc agcttccctg acagaaggag agccccaggc 300

accctggata gntgctgatc aaggacagag gctgggaaag gagcgccagg gccaactcca 360

ncntcctntt ccctgaacca ggcaaccctg tgatggtcac actntcctgg gggctnaagc 420

ggttgtgtga gacatacaaa gtctntctat tccagttgat nttggatgtg tggatagagt 480

ggggatcctg gatctcantc atnttnttca atgtgtcacc agacacgcat ggctgcttta 540

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actttgagcg gcaccgntgg ccccccntgtg tggtacctga aggaggaaga ccactaccag 180

cgtgtgaaga gggaacgaga gaaagaggac ctggcgctga acaagcacca ttcaaggaga 240

aagtggtgtt tctggcattc gtccccagct ntcncctgag gaggagagag gggaccgtca 300

cccgctaagg gccacctcca ctgttgacag ctntactata aaaaccantn tccttancca 360

tccgcacagt tggntctggg gccctggctt ttccantcgt gtgcatttac ctccaccagg 420

atcaaagcac aagccctgcc accaatgagc agggacataa aaggaaagct gactgantnn 480

nnaantcctt caaccagaat ntccttttgg ttttttttctt tcttggttag gaagctacta 540

cactt 545

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gttaagatga gaaaacaagc agtttcagat ttacagacat taaaagctnn nnnnncacag 180

aagaaaatgg gtgcaccttt ccgacctccg atgttttctg gaagtgtgcc aacctagaag 240

ttcaacagat gaatattgtg tgtgataaat cagccagatg aacagnnnnn nnnnnnnnnn 300

nnggagcatt ggcggctgca atacattctg accagatctg actttgntcn tcntaagaca 360

tcacaaaaag aaagtcacag gcatntgcga tcccagtgta attatagcac cttttgtcta 420

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gagctacaca cacagctgga gtacagcgtg ntgagccagg aaacagaggg ctactcaggc 120

tccgacatta agctggtctg cagggaggca gccatgcggc ctgtgcgaaa gatcttcagt 180

gtgcttgaaa acaaccagtc agagagcaac aatttacctg ggatccagct ggacactgtg 240

accacacagg actttctgga tgttttggct cacaccaagc cttcagcaaa gaatctgacc 300

gagagatact tggcctggca agagaagttt gagtctgtat aaagctgtgc ccagc 355

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ntctgacntc aggntccagg gantcgaaca taagcagcaa aaagaaagct gcgaaggaaa 180

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ccagatcgct tccctgagcg aaaacatcct tggc 274

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ggaacagtga gctggatggg gactggctgc agaagccacc atatgaggat ggcctgaaag 180

ctgagggcat cgacaaggac gtgtggctcc accagaagat gagacctgct ggctacctga 240

cgcagtatga cctntcngnn nnngagaaca ttggcgccat tggtctagag ctgtggcagg 300

tgagatctgg aaccatcttt gataacttcc tgatcacaga tgatgaagaa tatgcagaga 360

agtttggcaa ggcnacctgg ggagaaacta agggtccaga aaaggagatn gatnccatac 420

agnccaagga agaantgaaa aaggcccgtg aagaagatga ggaggatntg ctgatgggga 480

agtttcacag gcacaaccat ttcagcagat tccacaggca gggcgaacta tantcntcct 540

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ggggaagtgg gattcgaggg gtggggtgga ggaggagggn aaagaagatg aggcagagac 180

agaaatggag gcagtgaaac acgaaannnn ccacgagcnn agngttatnn tcataagcac 240

nccaatagtg tgatgntctg atcaatatgg cgganacnnn tcattnatan aantagaggc 300

gctntcattc cntccccnca aacaccgacc ccaggagttg gggtggggga cccagaacca 360

acntagggan tgggggaggg gaggcaacct ngggtttntt ctgtgtgtgc gcgaattaaa 420

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gcgcaagaag atttcaccag acttaccaac agcgacgcgg cgagagctga tttctccaca 180

atgccagtca cacagttctg ggtcaagtgt ttgcagtcat acccagttct gtcagagatg 240

gtgttgcgcc tcctccttcc ttttccaaca acatatctgt gtgaaacagg gttctcaagt 300

ttgttagtta tcaagtctaa atacagaagt agacttntgg tggaagatna tcttcgctgt 360

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agccttgccc tcccaagtgt ccttctccat gcctaccccg aaagtgaggc accatgggca 180

acactccacc acccccacca ctggcctcca ttaccaccta caatgtgtgg gcctggaagt 240

gaaaccatga actgacaaag acnttcntnt nctgtnnatc acttntgntc ccttggagga 300

tttgcttttn tggtggttgt tanacagcat tcggccaaga agcaatccgt gagantgaga 360

tntntttgag gaccccacag cntntacctg tcacctaggg gaaggttcct ttccaaagaa 420

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acctacaaca ttgtggggct ggaagtgaaa ccatgaactg ac 522

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cagctctatg gggtgaagca tttcaaagag cagtaaatgc ccatgctgat caaggctaca 180

ttaaactaat tggtgtgttc catgcagagt atggattgct naacagagtt catgttctgt 240

ggtggtgtga gaacgcagac gctcgggcan ctggnagacn gcaagcccat gaagantncc 300

agantcgtnt ctnctntccg ggaaantntc aacnacntag atnttcanca gaacatnttn 360

cntcattccn tgntcatttt caccactgaa atagtttcct aacgactntn ttaggagctg 420

atgtgacatg tntcagggnc cagtgcttca attntntnta gagaattatt tcagctttta 480

ttggaaggaa gtg 493

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agctacagcc tcgggatctc caacacaaac agattcccta accgtgtgcg gaagtgcatt 180

aggaagaggc gcggttgcca taacaccaga gacgaccctc aagcatcctc atctccccac 240

tgaacggagg ccaaaggcag ttatctcttt ccc 273

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gaagcttgtt gaacagatag agagcttcca taaggaaatg aatgtcttga acagtaagct 180

ggagatgtac tacacgcaag gatcggatgc ggactcccat aactctgaag acgtggacac 240

ggagcaagaa gagcccctgg ttcccgaggc ttctccgagc ctgtcagcat cacccactcc 300

nccctgcagt gccgtgtgga agaacgcant gaagctnttc gtcatantnt acgtgntcac 360

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gctgcccagc gtgct 435

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aggagccaga gctcgggttg aacagccaga atgagcggcg nnntgangag catngaaggg 120

ccnacncnag ctntcccgat tccncgaact ttgtccatca nanggntnac tantggntng 180

gggtnatgtc accggnngnn nnnnnnnngt gggaagctga gcaagcctgc nagcnccttn 240

ccagaaaaat atnagggaan ntacagaaga angaccctgg aatntcnaag gagtggaaaa 300

gcccagatga actntgatga agttgcgtta aagaatccta aagcaataga gcttttt 357

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tgtcttcaaa ctgaaaataa tatatttatt attgttgcta acgtttttgg gttaaatgta 180

agtttttatg tgttgtactc aggccttcct gggattgtaa agttagagat gattctggtg 240

ctaatttctt tttgtgagtc ccacggccgg ccgggtgcct ggcagtgtct gccatactgt 300

ccctanccgc ttgcatgtgt ttttctagag acattttcag tgcatttctt tcccaaaagt 360

tcataatttt atagttcttt tcaaacaatt actctgagat gtaaaacagt gcattttctg 420

tcatggcatg gag 433

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aggacgcacc tcttgaaaat gtggagtgtg acaatatgaa ccgctttgac cgaacagaca 120

gaaatntacg acantcgcag gacggatttt ggaaaaggcc acccnagang gtggagtgga 180

caggaccatt accacctcag ccaccctggt cactatcatc accatggaca aagtgacttg 240

agcagaggct ctccttatag agaatctcct ttgggtcatt ttgaaagcta tggagggacc 300

ccctttttcc aggctcagaa gatgtttgta gatgtgcccg acaacacagt gatcctggat 360

gagatgaccc tccggcacat ggtccaggat tgcacagctg tgaaaacgca gttactgaaa 420

ctcaagcntc tgttacacca gcatgacgga agtggatcat tgcatgatgt tcagctctca 480

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ttgcagatct ctgaaaacag acctgttgct tcaatcaata gtaatcctat tgattaaaca 120

tcatgatgtt tcccttggcc agatatgcac taaactatct caagactcca agcattctga 180

aaattgtggg aagantgaaa cactnaaagc cctcntcaga agaaantcat gacaaatacg 240

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tgctagatac catcaaccaa ggtcatgcca ccgtcatccg ctacgatgtc acagtattgc 120

ccccaaagca ttcagaggaa aaccaaccac cgaacatcat aacccaagag gagcacgaga 180

ctcctgtcca cgtgactcca cagacaccac cggggcagga gccagagtcg gagctgtacc 240

cggagctgca cccagagttg tacccggagc tcatacctac agtcgctcaa aatccagaga 300

aaaaaatgan aactcgcctc ttaatactgt tgacccttgg ctttgtggtt cttgtggcca 360

gcatcattat ctcggta 377

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<223> n is a, c, g, or t

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gtcaccaagc gcttccatct ggaagggctg caggcgcgcg cgcaggccct gctgttgagc 120

atggaggggc ctttcttcag ggactatgca atgaacgctt tcgtggggaa agtggtcgtg 180

gatcaactgg aaaaagtgnn nncntcnnnn nngaannnnn cnnannnnnn nnannntnnn 240

tcnannncag acgttcctct gctgngaaga gctnnngagc ttcagggaac atgccatcaa 300

ggaactaaag ggngcattaa gagactatga aatganagnn nnnnnnnann annnttntna 360

ggatgggcan ttccgcatga ntntgaagtt ncaggacgac aacaaaccaa ggaacatggt 420

attggtggga ganttggtga ctgtaggatt ggccatccta accttnttgg tnatcctgat 480

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ttagggacca tgcttgtgcc cttgccatat cctccacaan gggganccact gggcatnttc 180

tgggtgctgc agggncagtt gagncnactt tnactncact ggcttgttac caccagaaan 240

tcccaccaac tttaaacctg gattgtacag ancctgaatt tgatntnaat tatnttccac 300

tggagtcaca ggaatggaaa gctgagggtc ggtgtattgg actcaccaat tcctttgggt 360

ttggtggtac taatgcaant ctttgtattg ctggcatgta aacactggct ttta 414

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<213> Mus musculus

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caagtatgcc ctgtcttgct caatgataca ctcatccctg gttgagaaga acggagcagg 120

ggaggaagta gatggaagta attcttccaa catctggact gtgactgaag aagccactgg 180

gaatttgaaa cagccgagac aagagaacct cagaaaaaag agaaagaaac gcaccaagag 240

gctccctctc caagagctga tgtgttca 268

<210> 7372
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<212> DNA
<213> Mus musculus

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tctagtgaca caagcagcaa cttctctcag gtctagtaca gtcagagatc agttccttct 120

gtataattta cagagaattt ttaaacttgc ggggaaagat gtacgaccta gattgtatag 180

ggagaaggga gcgtcttagc tgcatagttc taatttgtat aagcaccatg ccatgttttt 240

cattgtttgc cctttatata tgaaaatact tacacttaaa agcattgttg tttagtttca 300

aaatctcaac ttaataccat tcacaaattt aataagagcg ttgtcataac ataaaactaa 360

ttgggaaata atcccatcta tctgtacagt tatctggaat agtaaaacat gcgttttcta 420

agcttctacc ttttaaacag ctttcttcta attactccct ttgtaccttt ccatttctca 480

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gtggcctggg ctgaactggg tttgaaaaca tgccaagag 99

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ctgagcgagg gaatgtctat gcccagggga ctcttgtgga atactactac aagatgaagt 120

tttttaccaa gtgtgtttcg ttttccaaaa ggatagcaga ctatgatgaa gtccacgaca 180

tccccatgat agcccacgtc acggactntn tcccagagtt tntcatnaaa ggcangnccn 240

tnggcgnctt tntaccacng gcgctntntc cagctgggct taggcntcat gaaagacgaa 300

gantntgcca agcantacta ntntnaagct tnccttntga accctacatt ggcagatgaa 360

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aaactacaaa gcatttcaac aaagaccatc aatt   454

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agaccagggt gaggaggagt atgaagaaca ctttgaggct tcatcagagg gtgagcagtg 120

gcaggagata gatatggtcc agcaagaaga cacgatctcc caggcaataa ctctccagga 180

ccacctcctt gacctagcct tctgcttcaa cctggccagc atcatgtttt ttttatgaga 240

gactttgagg tggaggcagt agtctggatc cttcatgagg acttaganat ccacttcccc 300

ttcctgattg cttactgac 319

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ggttctttgc ccaggtgtga caggcatcaa ggactgcgtc ttctgtgagc tgactgactc 180

tgctcggtgc cctggcacac acatgcgctg tggggatgac gaagattgct tcacngnnca 240

cggagtagcn caggnngtgg ggcccntcnt cnacanangc tgcntgcant ccaccagctg 300

tgnccgngag gaacccatna gctacatggn cctcacatac antntnnacc accacctgct 360

nttntggcca cctttgcaat aagggcactg nccttccac aggggntacc agcctgtcac 420

tggntntgca gctgntnctg ggcctgttgc tgctgcttca atactggctg tgacccac 478

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catgctgccc tcagcgcgtg gatcattcag tgctggtgga gaaagataat gataatgttg 180

cnagggaaga aacggcggat ggntctggan ttatacgctc gaaaaacntg ggcaatantc 240

aaantgcant nctggttcag gatgtggcan atacntnatc gatactntcn tttgctgaat 300

gctnttcgcn tcatccaggt ttattggcgt tggcatagtt ntcacantng tggctttatt 360

cagggcaact atgaaatcaa agaaaaccga ctgaatattc aacttgagat ttccctgggc 420

tcacaggctt gtaaggtgga acagtgcata accctaccaa ta 462

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<212> DNA
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cgtcatgggg aagaagaaga aagtcccgag gagggtcatc cactttgtca gtggagagac 120

aatggaggag tacagcaccg acgaggacga ggtggacggc ctggacaaga aggacgtgct 180

gcccactgtc gacccgacaa aacttacctg gggcccctac ctatggtttt acatgctgcg 240

ggccgccaca tcaaccctct cagtgtgtga cttt 274

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<212> DNA
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gtaagcaaga gattcggatt cgggcataac ctgaaccaaa ggagccaaag ccccagagaa 120

aaggctgaag gggcttagtg aggacaaaat aaaacagcag acacatttgt acaggtctcc 180

ctgcccctca gaacagaaca attatgagat aagagaggca cagatgggag gaaattcttt 240

cattttcac attgcaagct agagagctcc aataggctgt ttatgaagaa caataaagaa 300

ggcagtgcac tcagtaaaga ggttgttaca aatgtatcgg gtggttttga aaaggcaggg 360

ttttctcccg gcttttggat aaagctgtca gctgagtatt aaaggatttt ctttttcttt 420

ctctgtcttt ttttccttcc tcttgttttt ttttttcttc ttcttccccc aaagcaataa 480

acgacaccag tggtttgtta caattggcag aaagagttat cattttttct ttaggatttg 540

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agctgctgtt ttcgaagagg aagatttcca gtcaatgaca tacggattta anaatggcca 180

acagtgtgac agatctccga gttacaggga tgctaaagga tgtggaanga tgatctgcaa 240

aggncgagta aagagtactc gaagtcgaca nggagaagag agagatccag aggtcgaact 300

agaacaccag cagtgcttgg cagcattcag cagagtgaag ttcacgcgag tgctgctcac 360

agtgctcata gcctttacta agaaagagac cagtgctgtt gcagaggctc agaaactgat 420

ggtccaggcg gcagaccttc tttctnccat tcacacctca ttgcaccacg gcatccaggc 480

tcagaatggc actaccaaag gagaccatcc aattatgatg ggttttganc cccttgttaa 540

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tgtatcgact cctttgttac tcactgtgtt cggccgtttn gtagtcttgt tcagatccat 180

ggccataaca gggctcggca gagagacaag cttggtcaca ttcttgagga gtttgctacc 240

ttgcaagatg aggcagagaa ggttgatgca gcgcttcata ctatgttgtt gaaacaggag 300

cctcagagac aacatctggc ctgcttagga acctgggttc tttaccataa cctccggatt 360

atgatccagt atctgctcag tggctttgag nctggagctg tacagcatgc atgagtacta 420

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ggaaccagac tcaaacgacc tatcaaaatg tcccacctta ggccctatgt gagagagtcc 120

agtgagcagg acagtcttta tctcttgcaa ggttcgatag tggcagatca cgactacatt 180

ggattacctg agatcccagt tggaacatac caggcaaata ttctggtaga agatgcaact 240

attgggatag ctgataatga actattgata tcaagcaagg atcatgaact cttagaatat 300

agaaattcca aaatctctgc attggtagaa gaccacagtt ntcttgagaa acagactttt 360

ancctactgg attcttcaaa tcaagttctc gagtacttaa gttagtaaat accaaaatta 420

atgtaaaatg cttgcacaga atgtatatat ttctagtttg taagtatttt atctattaaa 480

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caaaacacca catcagatgt tacatgattt ccatccagca gttacttaaa gaaacaaatg 180

tccctttatt ttctaagcca ttcaatgttg gcttctcagc atcatctagt tattggaaag 240

gaaatgttaa atttgtaagt aaacatagcc attctcttct nccttttctt tattattatt 300

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cagaaagtat aaatacatcg aaagagatgc cttgcaggcc tagcaataat aacttaacac 180

caagttcttc tggtgatcat gaaggtagtt acaatgcttc tgctgatctt tttgattata 240

ttgctaacga taaggacatt ggaacagaaa ttaccaaaat accacaggat aacttgttac 300

cactggaagt accttgcaca gaaaattatc ctataaatga gaaccgtggc cagccttcac 360

aaaaanttat ccttgcaaag catatcaccc tcaaggtatt caagaccaag gtctcagtca 420

gactcagaat gtgattttga agaaagccaa gactttgttc catgttcaca gtcaactcca 480

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gccacggcta ggttaaaacc aacattcatc agcaaggtaa atacagcagt ccagttaatt 180

ttggtggcag cttctttggc agctccagtt ttcaattatg ctgacagcat ttatcttcag 240

atactatggt gttgcacagc attcactaca gctgcatcag catacagtta ttatcactat 300

ggtcggaaaa ctnttncagg tgataaaggn caaatgagaa gcacccagat ccagcagcaa 360

ggaagcaact tcntcatcgg cagcagcncc agcgaaagnt acaggacttt cctgatnntt 420

ggtnttcagc ttgcnnnaan gntcttntca gacaaaccat ntnttcnaaa ctgaagaaat 480

gtacggcgaa aataagctcg atcatgggcc tataca 516

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ataagaagaa acaagaagca aacacctgtt acagaatatc tcaatccaga gtctcctcta 180

gggtccaaca gtgtggcgag cagatcacca aatccggggt cagccaggag tgcacaaggc 240

tacagccctc aaagagtntt ntntcnttaa cacagcaaac cagggtcagc caggagtgcg 300

caaggccaca gccntncaaa gagttttcta tgnttaacac agcaaaggta gagatgagtg 360

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agtagcaacc ggcgaaacag cccgagcggc aggttcacca ctctggacac cggtgagtga 120

gggaagggca gattcgcccg gagcgagcgc gcgannnnnn nnnnnnnnnn nnnnnnnnnn 180

nnctcaaccg acccgtcccg gagccggcgc tgggtgctac cctccggctt gccgaggcag 240

ttaggaaagt cgtctgtccc aagagaaaaa tcgctttgca gattgggtgt ttgaagagaa 300

gagagagaaa gagaaaantt tgtgctntct gccttttaag gtcacgtggg taaccctacc 360

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atgatccggg agtacgagca ggtcattatt gaggaccgga tagaaaagga gaagacccgg 120

aagaagctgg agcaggatga cctggagctg aggagcatcg tgaagctcca ggcctggtgg 180

cgagggtcag tggtccggaa ggaaattggc aatttcaaaa tgcccaagaa agataaagat 240

gacagcaaag actcgaaagg caaggagaag gagaagagga gaaagaagta accagtttct 300

gctgagcctt ctcaggcntc gagacactgg gggtgctgac ccagcgccca cctcctggnt 360

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ttggcggcga cacttaagaa gtgggccaga gcgctaccag gccctacttc agcttggggg 180

gcccaagctg ggccacctct tccagatgga tgtgggcttt ggacttcttg gggagctgct 240

ggtggcattg gctgagcacg cgaggctgag cgaccggaca gcagtgctgg ggattctgca 300

cagcctggct aacactgggc ggttcaactt gaacctgagc ctgctgancc atgcagagcg 360

agagagctgc cagcncctgt ttcagaagtt gcaagccatg agcaccacca gacccatgca 420

ggagggcctc actgtggagg anccntntgc tgggctacag ggagaagaag ggntcctaca 480

ggagctgcta gaactgtatg gantccattg ataggactgt ttgccctcag ca 532

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ctgttctgct cactgctgtg gaatcgaggt atgactttat tgtcactgcc tcagaaactg 120

acaacgtcat ggaggaatca catgtgaaca ccacagattt gcctgaaaac gagacaacag 180

agtctgtcac taatgtcaca gaggagcttc cttcagtgac ctctatagta gataccctta 240

aggacaagga ggacttatct accaccaact ccggtctctt caaactgctg aaagaagaac 300

cagacgatct catgatgt 318

<210> 7391
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<212> DNA
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actaacctga acaagtcaca gatcgggatg atatttgacc tcctggactg gacagctgta 120

ggagagattg gttttgacca gttctatgtg ttgatttgca tactgctggc acatcaggac 180

catctggaag accactttat gtaccgccat tcccggccag tctttgagct gcttgatctg 240

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aaaaagcagg aactccgaga ccttttccat gactttga 338

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cacctgaggt ggtcatggac ccagccttag caaagaaata cgagcatgac ttggaagtgg 180

cacaggccac tgctctcccc gatgaggatg atgacttatg agaaagtgag gcttgggtgg 240

catcacaagc ctaagcgtac aggcaactgc gctgtaatgt cacctgtgtg tcctgtgtgt 300

catcttgcta cctaactacg cagactcaga ntccgtgtca gtggtancca aacagaaggc 360

ttcggggtga anccttcgga ctgtggcagt tacaaacaca ccttccatct gggatttgca 420

ggtttagctg tttgtttntt ccctgaggtt caaaactaag gntcctgcag ttacaacctg 480

tntcctgtgg caaaatnttg gcactgtaat ttcatccctt ttg 523

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<223> n is a, c, g, or t

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gtctagctca agtcacaatt attagcagag gctgagaaga agcagacagt ctctagtcct 120

ttgtgagaat ctctgaggtt ttaactgctc acattttcct cccaccttcc tccttttttc 180

cccnctaaag acaatcaggg gcttgccagg atgggactcc aggcngcttc cagcaccatc 240

cttagccctc tctccagtac cctctctttg gaagtaatgc actttgttta atgtattttg 300

cctttaaaaa aaaacaaaag aaacaaaaaa caagttgctt gtttggaaca aaatgagatg 360

ctttcggcac tgtatcattc ctgcttgctg tttttcctct taattta 407

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<212> DNA
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cctacctcgg gactggtcat ccatgccagg gagaggagtc ccaaaccttc tcaccttcta 120

cagaaaaccg tcaaggaagt actgcgctcc ccgtaactct cgtgcttcaa gctctcggaa 180

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ttggacccca ggcccacc 258

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acatttcttc cttcccttcc tcataagaac attatttgtc tcactggaag ggaaagccca 120

catatctatg aaaaagatca tattggtcag agtcaaaaga caagcagagg ttacgaacat 180

ataaactata acacaaggaa atctcttggt tctagatt 218

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gtactctgag cctcatggat ttgggaaggg aaattctccc tcaatggaac gacttccatc 180

caagactgtt ctgctcttca tctccagaaa gaagcaaagg acctcaaatc tcagcatgta 240

caccagtagg atcaggctga acagtttcan gcnttntgtn tnantcctna gagccaccat 300

acaaggtaca ntctnttttt tgaacaaatg gcacaattga ntcatggtga antcaacctt 360

ntggataaga agaaggatta antntgnccc ttggtagagc actgatnntn nntatgatca 420

agncccntgg atcnaactat gggaaatgaa aaagaaattt caaacataaa gacacacaca 480

aacaatttag aactaccaat gcagctactt tcaacttcnc tgtaccttcc tgaaatgttt 540

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tgtgcctgct tttgcacagt tgtcagtctt atcagcaagt gtcctgtgag caaaaaaacc 180

aagaagactc ctccagtaag agtaaaagat gcttgtgact gtctgcagtt aaggtagtag 240

agttctcata acttgggcct tcatttctcc aggcccagct gtcccctggc tttggcagtg 300

gcatattgat gggactgtct gttctagaaa acacatgctn ngatgttaga aaggatgagn 360

tctcagcttc catagtgata tctnttttng agcccttacn tgngggccta gtaccaaatc 420

aggccatatt cacagatggt tntttnttcc ccaccantga taatcaggcc tttctttatt 480

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atccaccagg cggcgcacat gtccttccgc cagctcttcc aggatctggc gcagtacgtg 180

caggacgagg gtgtacgctg ggagtactgc gtccgtgcca agcgaggaca gacggatacc 240

tcccagccag gctgcttcag caaggaccag gtgtacntgg ntgncntttt ncgcatcnna 300

cggcaccggc acaccattga tttccagctg ctgacctcnc tggncnagnt ctcctatgaa 360

gacgtggaac aactgcgncc ctacgggntg ntagacaata ccagagtncc ccanttnatg 420

aaggacttgg aacgttaccg gcagcagctg gaacacatca tgaccaccaa ccggctggat 480

gaagcggagc tggnccgcct gctgcctgac tgatgttgac taagggttat agacagacgn 540

tnttgacaga ggtcacagat cggaatat 568

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agccacggaa gctcatcact caagatttcg taaaactgaa gtacctggaa tacaagcaga 180

tatcccttag tgatcctcca tgctatcggt tccaatgggg tccaaaagct tatactgaaa 240

ctaccaagat gaaagtccta gaatttatgg ctaaagncag tgncgttgaa cctagtactt 300

tttctntacn atatacagaa gntntgagag aagaaantca aaagaccaag ataagaaaat 360

ggtntccnnt nctggcacaa aaacattntc caggacatan ccatcaacat ntccagaagg 420

ttatgaaacc tcaataaatt atgagacatt accttcggaa aagaaattat aacatcacgt 480

ttgagatttt ctttgaagca a 501

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acatcagcag tgtctgaaac atcaccacga ccaagatcat cgatactgac aacagtacaa 120

accaaggaaa taaatgctgg tattgatgaa aactaccaag aggaagcctt tgagaactac 180

catgaggtcc tggagaacat agaacacttg cctacaaagg aggaaagtgg caaaaatgac 240

agaagcacgg ttgcaaacct tcatgaccac agctctcaga ctaagcatga gccaccctcg 300

tctcctgaag gaaag 315

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caaagtctat tctgccagtc caatatttgg agtgaattat gaaatggaag aaaagccaca 180

gccacttgaa gctctgactg ttgaacaaat tcaagatgat gtggaaatag actctgatga 240

ccacacggat gcttttgtgg cgtattttgc tgatgggaat aagcaacaag atngtgaacc 300

tgtattttca gaagaactgg ggcttgcaat agagaaactg aaggatggat tcacactgca 360

gggactttgg gaagtgatga gttgatcttg agttgttgga ttcacactgc agggactttg 420

ggatgagtta atcttgaatg agttgagctg gacctctatt taaa 464

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gaaagagatg gactacatat gcagcgagct aacccagccg gtcacgttcc ctgtcagggc 120

agctttagtg aggcagtcgt gtcctcagtt gctctggcta ttgacaaaat caaacaggta 180

cagcttaact gtttggactg gaaaagatga catttattcc cactgaggat ttactttaca 240

ttcgagacta ctttaataaa acccnanttt tctntgatnt ttcagaacca cnnaaccatg 300

aatttnnaca anccattggn attngngncc attntctaag aatatanttn ttaatnttat 360

atatatatat anatatanat atatanatat atataatttn ttctaaatca tgttctcttt 420

ggtttccttt gctttttgct gctttggtct caatcaatgg ct 462

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gcaggaggaa gacctggaga ccatggccgt cctcagggct cagatggagg tgtactgctc 120

agattttcac gctgagagag cagcaagaga gaagattcat gaagaaaagg agcagctggc 180

cttgcagctc gcgattttgc tgaaagagaa caatgacatt gaagagggag gcagtagaca 240

gtccctgatg gaaatgcagt gccgacacgg ggcaagaacc agtgactctg accagcagac 300

ttacctgttt caaagaggag ccgaggacag gagctggcag cacgggcagc agcctcgcag 360

tattccgatt cactcctgcc ccaagtgcgg ggaggtcctg ccggacatcg acacgcttca 420

gatccatgtg atggactgca tcatttgagt gttctntcca ntccccaaag ctcttggtaa 480

atgccagat 489

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ctgtacagtg gctataagag ctgtctgaga aaagaacaaa gggagttttg tgtttgtttt 120

tttcctactn ttttatttat agagaaggaa aactgcagaa ccttagccaa 170

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<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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ttactctaga tcaccaaact acctttaaa ataaaaaata nagcgaacaa ctgtattctt 120

cagatgtttt taaggggtt aacatgaggg aggagcttgg gaaagaccat cttttgttta 180

tttgtactgt ttataatgtg taaccaaaac acagcatcat tcccactccc tcaggaaaaa 240

gtttagtaag aaagacactg tttat 265

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tgagggtaac agagttggct ccattgagat agactggact acagcagcta caaagctggc 180

acaggaggtg aacaacatga agctcactct cactagtcca ggaaaaagca gccaataanc 240

agagaagcta agacttaaat ccatgtcctc caacttcaac ttttttctgt tgcttgatac 300

ttaagtgaat atatagttta gtaaaaatat cctatttaaa tgaaatttat agggttatgt 360

ttttaatggg aanttctana gagttntaga ntttcttaga aatgccttnt agggtgttat 420

tgagacccag aggagatcaa gcaggtcaag atcntctttt actaatactt gcntntgtcn 480

tttatatntc aatgctgcgc ataacttaga aataa 515

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aagctgtggn cgacagacct gaagcctagg cctgtggaga aaggctgggc aggaagactg 180

gccacaggag tcaaaaatga cactgtcctg atgactgata nccatgtctt aagcaccaac 240

gattctgcta cctatagaaa ccagttccca tcagcctcag actcttccat ggggcagctg 300

gctaatntac agcgcaagga atantacanc aaaggaagnt atntgagntn nncnncnccc 360

ncccagagnt nggagaggat atagaagatg aagaacagga tantccttca gntttgacct 420

gggttactga gaatccgaaa 440

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<212> DNA
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gagaatgctt gttatgtggc gatgaactat gaagatgaaa tgaccaagga ctctaaccta 120

gagaaaatat acacccagcc tgatggaaag actgtcaaac tccataagca gttatttcat 180

tgcccagagg ccctcttttc tccatatctt gtgaatgttg atgctccggg catcgacaag 240

atgtgcttcg gcagcataat gaaatgtgat acagatctca ggaactccnt cttntccnat 300

atcatccntt cgggganggat naacntcttt tcctggttta gatnagcgac tcattaagga 360

tgtggcaaag ctggcacctn ccaatactnc cntacaggtt atagctcccc cggaaaggaa 420

aatatcagtg tggatggggg gttctattct tncctccttn tntnccttcc aagacatgtg 480

gatcacggct gcagaatttg aagaagttgg acccaacatt gtacaccaga gat 533

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<223> n is a, c, g, or t

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tttgggtttg ttagttttga caatccaacc agtgcccaga ccgccatcca ggccatgaat 120

ggctttcaaa tcggcatgaa gaggctcaag gtccagctaa agagacctaa ggatgccaac 180

aggccttact gatctgagct cactgaccag tcacagacag aaactgaaga atgaagaaag 240

gaaacagaaa agcacagaaa tgcnggagag gcccttccng aaggagtgnc agcagacgga 300

ggtggatcgg acccnggnct ggcncctggg gctcagncca ctcatnatnt gggttgttcc 360

atggagtgat caggctggca ggncaaccag tgctggctga ggaccgacan ctntaaagga 420

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tgttcaaaat catatcattc cttagtgttt agggacca 518

<210> 7410
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<212> DNA
<213> Mus musculus

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<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
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<223> n is a, c, g, or t

<220>
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<222> (356)..(356)

<223> n is a, c, g, or t

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cacaagctct tcaggcaaat gtttcaaatg tgggagcaag agttttcaga gcctacgtnc 120

gccatgttca ggtccagtcc ctgtgcttct ccatggccca tcattctccc tgtgtctgct 180

ctgcctctca ctggatagat gtaggtgaga gatgtgcacc ccagtactca ctgttttggg 240

tcccaagtat acatctacat tgatggcaaa gctatgagcg tagctgcccc ttcctcattc 300

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agatctggcc ccagcatcct gaagcatatg aggcacctta 400

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<211> 236
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccacccccag tcttctgtct antggttcca ggctggnagc aagagataag gctggnctcc 120

tgtgccccat tgccatttca ccctanctca aagtccagga gccaggcttc cagaaaggct 180

cttcaagagc aagcttaagg aaatacagtg agccaagtgg ctgtatgata tggtat 236

<210> 7412
<211> 451
<212> DNA

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tttaacaacg tccatgaaag agctgcttga gggtgaagag gagccacaaa ccccgaagcc 120

caagcctgag ctgcctagcc acttctatgt ccgtccagtg agccccatgg ataaacacat 180

caagattntc ccatcgcccc cagtcccaaa gaccacccag ggcttcatcg gatggcgatc 240

cgggaagcca gccntgtact gtttggagaa gtantcagag gtttncagct gcaaaggggc 300

ttatgcccga gagntatgct ggcccgagca aggcgtgcac tgagcaacac catcntntgc 360

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ttgctgtagg cactgccatt tgttggtgct t 451

<210> 7413
<211> 264
<212> DNA
<213> Mus musculus

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acagcaggtg ccagaaaaca aggatagttt aggcgaaggc cctcctgata gttttgagag 120

atgggattca agcagagccc tttcttttgc tgagaggtgg ggtttaagca gagcctctcc 180

tgatgctgag aagtggggtt caggcagagt ccctcctgat gctgggaagt ggggtgcagg 240

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ccctctatct gatatttata gcagaagctg tcattttggc gagtgctgtg ctactattcc 180

atgtttgcat ctcacatcgg aggaaaatga aggcaatacg aagaactatg aagacatatt 240

tggagaagaa actagaagaa ctagtggaga tnatatacaa agatgatgnt gaaaaaaatt 300

tnganttngg gngatcnaat tcaaantttc tgacaggaga gcnnacatnt gctgantcag 360

aaatncaaac tgggacttga attccttatt natcnggaaa atcacagcat ntcaaaaact 420

ggaatatagc ttagggtttc tnccagtgaa cntccttact gacntcctga gacaatggac 480

agaatgagag ggaagaagat ttaccctgag ctata 515

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anctgnaagt taacccgctc ccaaatctat gaccttgaat cggccctgaa agtatccaag 180

aagacgcgct cacaagaagt tccagagtca gtgataagca aggacgtagt cggcagcacc 240

tctactatga ggctgaacga acaggaggaa accgggagaa tnatcgagat gnaangtctg 300

gaantccgcc gcctcagaga ccanatccaa gagcaggagc agntcccagg nttccacacc 360

nattgccgga gttnggnttc cttccntcnt ngantcagat ntggattttg aagtgcacac 420

caagtgacct ccggtgagcc atttcc 446

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aatctttccc tgaaatacag ccagactggc tatttgtcat caagcaatat aattagcgat 180

ggattctatg attacggtcg gataaatcct ggcaccaaac ttttgtcact gaaggaactg 240

tgcttacagg agcngaanna tcaacntgct attctantag tnaacaatna atcngacacc 300

tctccacctc catctatgga ggataaatna tcggacgtng gctatggacg aagcatttnt 360

tnttnatntt ccttaagaag gggaagcaag gagaaggcca atnnnnnnnn nnnngctata 420

tttggatntc ctacagaaga aaaatccgag ccagcatcag tacggaacac tatccttagc 480

agagctttca cca 493

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caagtcgata ctgcccattg tcaaccttaa ggagcagatt gaggtccttg ccaagtatgt 120

ggcagataaa atgggcggtg agattccaaa agagaagcta gctgatttca gctgggaact 180

tcatataagt gagttgaaat ttcaactgaa atccaatgtc gtaccaattg gatacatcaa 240

gaagggaatc ttttatcatc gagcgttgct tttcaaggca ctggctgata aaatcggggt 300

aggctgcagc ctggtgcgtg gtgagtacag ccgagggtgg aacgaagtga anctggtgaa 360

tgaggctcgg aaaggcatga tcgggaacct gcccccaccc gaagagtaca tcgtggatct 420

catgttccac ccggggaacc tgctgaagct gcgcagcaaa gaggctgacc tctaccgctt 480

tc 482

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<223> n is a, c, g, or t

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aagtgaccca cacacacatt aattctacca aaaagtaatt gtgacgttac tgtgaaaacc 120

atactacaaa gaaggcccat gtgggtgtaa gcttctacaa ccaggcaggc cagcacgcac 180

ggctcctgca gcctggtgat tggctctgtc attgatttct gttggtatct tttctagatt 240

ggcatttgaa agagcccccc tcttccatca tcatccaaac taagataagc aggctataag 300

gagcggcagc cctnccctct tggcgatgtg ggtagattgc tgtgctttcc gctgggtttg 360

caggcttgtg agtagaatgg cagccaggag gggcattgct ttccttgctg aacccacaca 420

tttctntcct tnccttaaca gggtgtttga gcaactgttg gaaacaaggg gagagaagga 480

tggctgtttt atatttcact gaaatgttct tacacaaaca ttttattgtt aaagtgtcta 540

ggtttaccct gcaa 554

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<212> DNA
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gaatctggga tgttcagact ggccagtgcc tccaggtcct tgaggggcac actgatgaaa 120

tattttcatg tgctttcaac tataaaggga atatagtcat tacaggcagc aaggacaact 180

cctgcaggat atggcgttga cccaagggct ctgctatgga gcagggctgt tggcaacagt 240

gatcaagaac ttgaactcca gagagcaagt gagcctatgt cctctgcctc ttttcatgca 300

acttatccat ggaacagcct gtccttcacc ttacagacat gaccatgaaa accaatgagc 360

cttcaccatt ttctgacatt atctaaaggt tattggcagg agcaggcata atatgtgtta 420

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ggagtggatt ctgtaatgga gtgggaagta gatgaagtgc tgaactggac aaacacactc 120

aactttgatg agtatattgc aagttggaga gaaactgcta caagcaactc ttcagctaac 180

ttaaaagatg ntcanncttc ngcgaantac agaaaagcct acagagcnaa catctatggc 240

gatgaggcaa agcaagcaga ggagtcactg tacgatgatt ctacttacta tgaaaatgct 300

tatacaaaac agttcactag attaacaccc gattccatgt tcggcatgta accagaaagg 360

attccntttt ctgagcgatg gacntacctt caagcccact ttccagcgaa agccaagaaa 420

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<210> 7421
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ttgttctatg cgatcattgt gtatcaccac aagctaaata aaggtcaata tgtgtacttc 180

gttaattaca agaccaagtg gatagctttc actgtctact taacaatcgc cctctttctt 240

acctgtggta tcttctgttt catacagagc acaaatagat gcgaatgcat gaaattctgt 300

ataccccaca cagaaagtaa aagccaagaa atgattccga gtacaatcga agttntttca 360

cttccnccan cgatgtncna tncctngaag cntngtccat gtgcantntg tgacctcaaa 420

ggatggntcc ttaaatagac cacacaccca agcacgtngg gtaacctggg ntntgtgact 480

tgacaatacg tacctttcag tactacctga cgttgctatg gaat 524

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tacctgtgac tgcagcacct tgtgtgggag acgtggccat tcaggatctt gaggtatagg 180

aagatggccc agaatcatac agatgttgaa ctctcagctc cttctccaga accatgtctg 240

cctgcatgcc atcatgtttc ccgccatgat gaaaatggac tgaacctcca aactaaatac 300

cgcaggagaa agaggaaacc atggaaagag aacnctgntn ttcccanant ntcaatccga 360

aantcagctg ctntntccac aggcttttcc aggctgcttn tgctggatgc tgtaagccct 420

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tagaaagcac tcacgttgct ctagcatcaa tttgggccat ggaaattact ccctttacat 120

aaacagantc ctnaaggaag tnntccctaa caggggtatn tnatcntatt ctntggacat 180

catgaanatc ntcatcaatn anatnttnga acgcattgnt acggaagcct gccagcagat 240

gttcctcaga aagcgctgta ccctcacccc aggagatatc cagcaggcag tgcatntgct 300

gttgccgaag aagctggcta cgcttgctgt gacttttgga agtaaanccg tccacagatt 360

cattcattcc taagntccat ccatgttcaa gcctaattga 400

<210> 7424
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tgcccgtgga gttacaaagc tgtgggactt ccggaaactc attccaatcg tgtccattga 180

tgtgggtcca agttcgggaa atgaggtgaa ctttgaccag tcaggtcgag ttttagctca 240

ggcgagtgcc aacggnatta tccatttgct ggatcttaaa tcggggcaaa ttcacaaact 300

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<210> 7425
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tgagaccagc gaaggacaag gaaggattcc tgtgtntccc tgtgtntcaa gggaaagatc 180

aacgggattt aagtatgatg attgtgggtt atagcataaa ggcttgctta acaaagagat 240

ntngatggca taagtgagtt atttttacac atctgtatac acacaccaga aaaggaaatg 300

ttttggtagg cacaantgaa ttttctctct ataannaacg tgcanttcac ggatggtgga 360

ttttaagcac gtgttggtga tgttaattta cagtaatgat tattctgttc tgaaaatgaa 420

accataccat ctctttttt naccatacca cacctttaa cattagcctg gatacataan 480

agcgtagctc tagcgaccat ctcagctgtt gtatcaaag 519

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aagggatcgt cttttctatg ccagtgaaat ttgagaatgg aacgtgggtg gttcttactg 180

atcttgaaga catttcgctt agtgagaaga cactaagnng gctcacaggc gatctgattc 240

aggagaaact tgttgcatgt ggagacttat taacttttca gccaattgaa gaagatccca 300

aagataacga accttctaat acaggcatga atgaagaaaa ggaacagcct gggtccgatg 360

actctgatga aanaaaatga ggaccaataa tagcttcaac cagaacanat ntgaaggaaa 420

gacagaaaga cctgcaggtn tntgcactta gggaagaaca gtgaaataaa atagacccca 480

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actcgccttt gccaggggcn ggcccctata gagtgaaatt cctggcgatg agtgccgagg 180

gacccgtggc tgagacactg tggtccgagg agatctacct gcagcaagcc cagacattcc 240

gagaagctcc agggtcccag ggcaagggca ctgtggtcat cattgccttc ttgtcaatcc 300

tactggccat cctgcttgtg gtcttcctcg tactggtnat atcngcttgc nnnnnnagta 360

nttccggntc cagcccagag gagcaagtgc gcatgcggca ctatcacacg caccacatgg 420

gcancntccg agctgagcgc agntcctgag agtttcccag ggctttnatc tgggatcaag 480

ttgctgagcc tga 493

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tgcaagtctt cctcccagga ggctggctac ctaggaagct aagctagatt gtatgtgtgc 180

ctctgatggt gaagtgtcaa aagagggctc tcagccagag ttggctagga ggctgggaag 240

atgtaacctc agtagttcag ggcagcatcc accattgtat tcaggtttcc ctgatcctag 300

atgctcagga gatccactgc aggcttaggt tctgtcccta gagagagttc tgtcttgcaa 360

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tactcactcc gtccagactg accttagcca catgagaaga gataacacct cacaggtgta 180

ccctttgaaa gaggctagca cccagtccaa gnagagaagg cagcagccga gtgcccaggc 240

cccagatttt catagctggc cttcgtgggg gacaaagcaa aacaacctat ggggtgaagg 300

tgaacttaac cagagcgntg gacgaaacct agagatggac gtttacagga anctgctcnt 360

tagtggcacg gatggagggt ttaaagtgct gtgcgtgtat aaagctcatt tgcggggctg 420

gcacagtcac tggttgtgtg actgtgcact agggcaccgt atcctgcctg actgttatgc 480

aaa 483

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ttcgggcgtc ccctcacagg ataactctgt tgcagagtgt ccagcacctt caagacccag 180

ctgtttccaa aaggtcaacc ggagccctgt ccccatacaa aaggcctttg ctgtcaaagg 240

gctaaangat ggaagctcag ccaaaagcca cacccccag acccagcaag tctcacccag 300

ctaaacctac aaactgccag cagca 325

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aagccaagag agccagacac caacctacaa ttcgctgaag actgagaaga gtgagttatg 180

ngaacaaaac ctcaagagag ctaccgcaca gtccngtngt tggccaagaa aagcactcca 240

ctgccagcag tgattatgaa gagctgacng catacaatat acaaacanga taccctanaa 300

ggantntaaa ccgctantac caggaacact ggnccctcnn accgnntntc atngggagac 360

cntgaggntt nntantgnca nttccacaca ggntntgagc tgntnagnta ctggagggtn 420

tccatgagat gaagaaggca gtggacagga ntcatgaaga ccaattcaga aantccacca 480

caaggaggga agagntntga gccatccctg tgccactggt gtgagtcacc ccagatcctg 540

acag 544

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<212> DNA
<213> Mus musculus

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atttcagttt caagtatagc ctttgtcatt gccctgctat gtgggctcat gctctcctac 120

gtgatatatc gactggtaaa agttgaggaa aaacagcagc ttgcaatgtt gtatgaaaat 180

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cagttgcatc cagag 255

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attgcttaga gaagaaactc actgttgatg aagattctgg gccaagcgat atggaanttg 180

aagaagaagg tgntagagan gnagaaaatt acctntcccc tcaagaaaag aancgncant 240

ttgaaatgaa aaggaagctt cacancaacg aaggactaaa tattaaatta nccagactgc 300

taatttcaaa agacctacat gatgatgatg acgaagatga agaaatgtca gaggctacag 360

actttgacag catcaatatt gactagtcga atcaaggatc taccgaaagt gaccatctgc 420

aactgaaatc acaaagttca taaaagtaat gtgttcagcc taac 464

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acantacant cctcctgact tcttggagct gctgaagaag cagacgncct catantcttt 180

caaggacaaa ccccgggcag accccagcac antagttgac aaagatgagt cantccatct 240

ttgcccggga cagtacgagg tanttccagc accggttccc aagagcccan ccnggnnntt 300

nntatttngn tnttcagttn aaagattccc accaaattat ttcantcctc acgnngnncc 360

ctggaccagg tgantatgag ctgaaggcat ccccaaaagg ntntattact tcttgttttc 420

gatntaaggt tccccgattn ttacctntca gttcaaaaac accaggccca ggagcataca 480

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cactntctcc aacatcccag agaagatcnt ccaggcctcc ctaaacccca gtaatcacaa 180

gttggatgag gacctgtgcc agacgctcac acagcgttac gtgagcatca tgaacaagct 240

gcagagctta ggctacaacg ggcgggtgca cc 272

<210> 7436
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<212> DNA
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ncnnnnannn tnngnncnnn antcccctct nnnattcnnn atgaagacat anncacaaca 360

gacagacata tantnaaaaa tacnaggaaa ttanttnagn ttgntnggan ttggnttggt 420

nggagttgga ttggttggag ttgggttggt tggagctagg ttgctatgta acccagagtg 480

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ccaagagggt gactcagctc tccaggaaca tgctttgtgc ttggaaggaa gtgggcacca 240

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gttgtggtta ataaaggagg ctttggngga gttcgcagaa atgaaagaga gagaagagag 240

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caacgaccag ttgtaaagct gctttcaata ttntctggta atttttatg ttattgccaa 360

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gagcagcacc tgcagtttct ctccacgctg ctcgactcct tctcctccgt ccaagtattt 180

aacattctcc tcagtgacaa acagaagaat gtcgtcaaag ccaaacctct ggaaataacc 240

aaacttgcag aaaaaaatcc tgcagttaag ttcttatatc ataaattnat aggctggcta 300

aatgacagcc agaaagagga cggnggcttc ctggtggaca tcttgtatan tgccctccga 360

tgctgtgaca gtnggtgtgg aaaggaaaga agtcttggat gatctaacca aggaggacct 420

gaagtggant tntnttcttc aggtcattga aaaggctttg aaatgaacca agttgcaaat 480

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ctttgagtga aaaacacaaa aaaagctttg ctccatttaa tatcttgatg cctcgattta 180

ggagtgcagc aaagggtgat tcttaccccg gccctggcac atacaatcca gagatgaagt 240

cagtcccaaa agttacttgg ccaatgaaat ttggatctcc agactggtct caggttccat 300

gtctagagaa aaggactcta aaggctgagc tgtccgcaga caaggacttt agaaagcatc 360

gtagccgtgt ggcctacttt agcctatatt accagtgaaa tgtaggcact gtcttcacgt 420

gctgtcctga ccacagagtc tccagaactg aggacataat tgctcctgta tttctgtgtt 480

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agaaagttag acaaaactgg agatggggtt ataaccattg aagaccttcg tgaagtttat 180

aacgctaaac atcatccaaa gtatcaaaat ggggaatgga cggaggaaca agtcttcagg 240

aaatttctgg ataactttga ctcaccctat gataaagatg gattggtgac ccccgaggaa 300

ttcatgaact actatgcagg tgtaagtgca tccattgaca cagatgtgta cttcatcatc 360

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gtcacgtgac tccaa 435

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<212> DNA
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cagccattgt tcagactggt ggggactgga gcaccggact cttcagtgtc tgcagagaca 120

gaaaaatctg tttctggggt ctgctttgtc ccatgtgtct tgagtgtgac attgccaggc 180

attacggaga gtgtctttgt tggccactgt taccagggtc tacctttgca ctgagaat 238

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tggaatgagg attttaagaa attccgagaa caacatgaga aacttgtgaa tgattttaag 120

caacaggaga agatttttca acgaactaga tttgttcaga accagagaat tagaacaatt 180

aaagaaatac atgaacnatt nttacagaaa tnggaagacc tggagagcaa gaatgatnat 240

ntgcttanta gaacacaaaa tgaacttaag gatgaaatta atgatctnca gaaaaaaatt 300

ttgagagant ntgaggantn tacgntcttt tgatgggaag aatatttgaa gaaggaactt 360

taactgaagt gatacagttc aaatnccagc gaggatccat gnttgaagac aagtattagg 420

ataaatgatg agatcattag tcattagttt ntntcccttg ttntttattt agaataacat 480

ccagttatgt tagtatcaac tattcctgta tgtcaaggat ttgcct 526

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gcgcagcccc cggatgtgat ccttgagcca aacgtgacac ctgggaactg ctgggccttt 180

gccagtgacc gcggccaggt gaccatccgt ttggcccaga aagtctacct gtccaacatt 240

acactgcagc acattcctaa gacaatctcg ttgtcgggaa gcctggacac cgcaccaaag 300

gactttgtca tctatggctt ggagagccta cccagggagg aagtgttcct aggggcattc 360

cagtttcagc cagaaaacat catccaaang tttcagctcc agaacctgcc acccaggagc 420

tttgctgcag tcaag 435

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tctctattac aggaagcggc ctagcactgc cacctaaacc aaaaagcaag gtcaaacgac 120

gcaatctgac ccggcttcca aagccaaagc aacagcctca gctgtgtaga agctttgaga 180

gaggagatga catttctggg aaaaagcttt gtatattgac tgctataaag cccatcaacc 240

tggag 245

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<212> DNA
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ataacccagg cttgccagct ctgcgtacct ggaatggaca gaaactgctg tggctgcccg 120

agaagtctga ctttcccctt gttgcacctc ccacaaacta tggactatta gagcaactgc 180

agcaaaagtg gctggcttcc aagactagcc tgaaagagag catttatact acatccta 238

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tgattgcatg tatgagattt tctttcacat ttaggccatt ctgacaaaag gaccaagttg 120

actttctaca cataccagga tatctgttct ttgatgtatg acagtttccc aagactactg 180

tatctcctga cttcttgagg tttatcaagc agtctctgta taaatctaac tactatttca 240

aagggattta taacctagaa aaactagatt tgctccagcc aggtggaaag gacaaatccn 300

cntntgacaa atgttactna ttgtatttct acaatgtata aacacacaca cacacacaca 360

cacacacact aaattctatc caaattttag agaaacaaat ttacttttaa tgaggactcg 420

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tgtagaagtc acttcaaggt tgaagaagta agcaggaagc agcagagtat ggacctggaa 120

gtctcagagc tgtctcctgc tgacgagaaa gatgaacctg ctaggagtgt tcctgactng 180

tgtataaaag acgcaanggg cagtgagaag gaagcatgga gcccccgcga gcctgtggtc 240

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caccttctca ctaaaatgga tc 322

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<212> DNA
<213> Mus musculus

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agcctgggag aagttagaga ctgacattga attcgaaaga tgctcagtgg tggtcccatc 120

aatgagaaac cacatgtttg gatggataac agcatctgtc tcttccacaa acgaggagaa 180

agaagaacca atacagaaaa cgccctccca agtctaccct gtcctctaca gagaaaagga 240

aatcccgcca actgtcttac ccaataagag cccctggtgc cgcaatccca acacttctcc 300

acatccgtac agctctctga ttgactcaca tgactcggac atttccg 347

<210> 7458
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<212> DNA
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tgtccagagc ccgcctcgcc accatctaag ccacagcctt gccaggagtc caccacacca 120

caccaagtta accctgagcc taaaccgcaa cagcatacac cacagcctct cccgcctcca 180

gagaaacctg cctcatctcc gttcctggta cccatggaac ctaaaccaat tcttccaagc 240

aggaaagcag tgcctctgac ctatgtggcc cca 273

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<212> DNA
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tccaccacac cacaccaagt taaccctgag cctaaaccgc aacagcatac accacagcct 180

ctcccgcctc cagagaaacc tgcctcatct ccgttcctgg tacccatgga acctaaacca 240

attcttccaa gcaggaaagc agtgcctctg acctatgtgg ccccacgctc ctgntcctgt 300

gcagcntgcc cgggnagntn ngcttnntng cntcntctgg ggctnnncca tagccgaatn 360

tttgatntcn tcctacntnn ggactnntna tccatgccag ggagaggant cccaaacctt 420

ntcaccttnt acaggttccg catgaacggg agggntaaaa ancttgggt gtagagttcc 480

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gctccatcag ctccctcaca gacatcctgg tgtggtcaga cacagccaca cgcangggtg 180

tggctgtggg cattctggcc tcgggctgca gctctccagc tgacnggcta caagacgagg 240

ntccccgcct gcggactntc gccancntnt tgcgcagcgc nagntnagct ttntcntntg 300

gggtgatntn tggaactggn tcagcccntg cantntgtca cgcacctgct ggantntgtg 360

gagagacgga ntatggaagg catcngttna gntatgcgnn acntggcccn tnntctcacc 420

tcacgctggg cccgcactgg ccccagtggt aactagacca gcaagcccc 469

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agaaaatcat ttcccaanta ccttcttttg gtgnttagga agctgccggg agactacctg 180

antaagntnn nnnnncnann ntcnnnnnnt nannnncnnt nnnnnnnntn agnaattttt 240

taaggaattt actaaccaac ctcaggactg aaattagatt ctaccaagga gaagaaggat 300

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<223> n is a, c, g, or t

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cccgggacct agtggagatg ctgcaacaac agctggaagt cgactcttgg aattttccgt 180

aacagtgccg ttccggactg ctgtggaggc aaacattgca tgcagaaccc tggcctcaaa 240

tatccagcag cagcaagtga tggttcagca ggagttcact gtcaatgaca ctattctcac 300

tgttaggtgg accacagaag atcctgttct nttccgaaca tccatcaatg cctttcttga 360

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acgctggccg ttcaggttca gcgtgaccga gatgagttcg agaggatcct tcgggctcag 180

agagagcaga ttgagaggga gaagcaggaa caggagaaga aagccaaggg gtgcctccag 240

catgccaacg agctccgacg gcaggtgcgt gagaaccagc agaaacacgt gcagaaccgg 300

ctcgctacct tcgaagaggg ccnccncntn naggaggaag ntgagaagcg ccgcgagcgc 360

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gtatcatcat tgaacaacgg atgcatttat ttcttaaatg ctgtttgatt cgtggcatgc 180

aagaatctct tctagacttc cctggatgct ttcttttcat tgagccagag ttagcagaac 240

taggatggaa gtttgttaat ctgatgcacc acaaccagca tgtntttanc ccntantatg 300

ntgaaatcct aaaaaacatn atntcaacac naaatgatga agacgaagna aagccnatca 360

aataatncnt gntcccaant nctgncacca ggaatccaaa gagaggtntc attatgttcn 420

taggataaca tcacccatgg ccaacaactg cagg 454

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ttttaattat aagactcaac cttgaggacc aaagctagtg taccaacagg gaaggggggct 120

taggaaaagc cagtgatgga gcaggcagca ggagtaggag tccaggccca gtggtggaca 180

gctgcaagaa acagcagggc tggggaagag actataaggt gtccagacct cctacctcag 240

gaatctaatt ctataccaaa gtcaaaatct ggaggagct 279

<210> 7466
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<212> DNA
<213> Mus musculus

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aaactacaga atgtgagaaa gggaaaactg gctaccacaa gactgtgata ggatgacaga 180

aggctaaatt tgctgtctta aaaatagaga gtgtgaggtc agagagaagt gattgtgaac 240

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agcgatgacg agaacagaaa atactcttgc gaggatcaga agcagcactg tgagtgaacc 180

taatcacctt cctgaggtgc tattgacaaa aaagcaagcg tcggccaaag gacgatgtct 240

tatagaagag atttctagtt cggaaatcca ggtggaggtt aagaaacnng ngnannnnnn 300

naaggnnnna aannatcngn angagaaacn tntgaanatt gagctgnaan tcgagttacc 360

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gtcccttgtc caacatttct agcttacaga ggtctccgta tgtccccctg tatgcagccc 180

aaaaagccag gctttgagct cctcatgagt tanaggaaca gagggaaggc cctgctgaaa 240

cggcttcagc gacaatggga ttatgaaagc aagttgggct cctcggagga ctcagggacg 300

gatcgattnt cctccaatac cagtggaagn tcagggcgca aattcaagtg atttcaagaa 360

agaagccaca gacctaganc cctacctcgt ntctgtgtta agccattgag acaggagttc 420

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ctgcaaagct gtctcatgga acaccaagaa aacatcaggt gaggagcctg ggctctggag 120

atgatcagac atgggtacca cctgctttta cacacatgag gcaccaaacc ccaagagctn 180

cctaggatat aggcaacctg atggtgcttg aactttcaag agggaggcct tctggaaagt 240

tccacttcca tttcagaggt cggcacttaa cttaccactc cttcccttat gagtctaact 300

taaaaatact tctggaggca tggtgactca tgctggtgat cgtaggaaac cacttggaaa 360

ctgaggcagg aggatggaga attttagaat agcttgagct ttgtagtgtg tttcaatgtg 420

aataactgaa tgagtactaa aaacacttga gcttttcaga atcaatgagt tntnttggta 480

tctgcaggca tcatgccac 499

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tgtttgaacc gccgacagaa agtgacaaac tggaagatgg cttgagactc agaaaggcaa 180

cgcatcccga caagcccaga ccctcctcct ccacgtcctt gaagccggct cgcagnacgc 240

ctcttcctgt tgttctgctg gtgatcggag cagttttctt tggattcttt ctagggaaat 300

tcgtcttgta gagtgaggca cgcacactat ccccctcacc ctacactccc cctcccccaa 360

ctaagaccag aaaaaaaaan ttntttatcc atcatctatt ggaagtatgg cccncccgcg 420

gtggcagatt ttgtgtgcga gtantcacat aggcttcttc acccctaatg atntnttgtg 480

attggaggac gcaataaatg aacaaaccaa ataaagaact gatgggctac tggacagatt 540

gcctattatc ggatcat 557

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gcagttgcca ccgctcgttg ccccgtcact gctggagcag gaggtgcgac gagtgcgcga 180

gcgcgagcgg gagctgcagt tgcagcggcg cagcatctac ggcgacgccg aggtccagga 240

gccagcgccg agcctcaccc cgagcagggg agatggaaaa ttgtcggtga tctggcctcc 300

gcggagacgg gcctctgaga aggagcgcag accctgaggt ctatgaaggt tgggacctgc 360

ggacagaagt aacataccct ttggagaacc agggtagggt tactctccag atcagcagaa 420

ggcctagaga gggaagggct agctttcttt aatggcaact tgaaatccag cccntntttg 480

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cttcgggggg ggngtactgg gggaggtgag gaaccaggca tttaattcca acgcttggga 180

ggcaggaggc tcactggagt tccaggccag cttggtctgc acagtgagtt ccagattagc 240

aaggactacg taagtaagac cctgcccttt tctcccaccc acccagaaaa taaatttatc 300

atggctgntt tcttgattct gcacatgaca gaaggctttg cattacacca atagaatgaa 360

cacgaacaaa tacttctcaa atacactctc ttcctggcat gtgtttggag ctcaggttcc 420

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agctaatttc ttgaccatcc agacaaagct gtcttcagga gctggtcaga agcccaaggg 180

atgcctcgga gtcctcgagt gcatgtatgc caacntccag ntccagaccc agcttgntna 240

acgacagata gctattttgg aaaacttgca ggcatccctn tcacagccgg gttntgggag 300

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aaggtgacta agcccctcag agggttgggg ggggggcacc tagtgggggа actcccacga 180

ggaacgggcc acctgtaggc ccaggaggcg gggtcataca ggacctttc atagctgact 240

aaggctttgc cttcaccatg caaccactta ggaattcaat ggagctttag gagtgactct 300

attgtaaagg ccagtttgct taggtctttt gcatattatg ctntataccg cctagggatt 360

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ggccaaagag atgcatgact tcggtctgga tggctaccgg ggttataacc tggctgactg 180

ggtctgcctt gcttactaca caagtggctt caacacaaat gctgtggatc atgaagctga 240

tggaagcacc aacaatggca tcttccagat cagcagccgg aggtggtgca gaacnctcgc 300

ctcgaatggc cccaatcttt gcaggatata ctgcactgat tngttgaaca atgatctcaa 360

agattctatc gtctgtgcca tgaagatagt tcaagaaccc ctgggtctgg gctattggga 420

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<212> DNA
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gctttgtttt agaaggtttc cctagtagaa gaatagctct acatatggac tgggtaaaag 120

agagcaaagt cagcaatgtc tcgttctatt tgtaaaaccc acaaatattt ctgtataagt 180

aattcacctc ttagagcacg ggttctgcaa ggagggaccc atggttcttc tctgctgagt 240

tctctctgat cctcctcctc acgaaagcct gattgttaga aatcggtgct gagctctgac 300

tcaaggagta ggaaaggcct ttggagttca gtagggacct tgagaagttc ctggagaaca 360

cgtttatagt aaagnggggg gggggttcaa aacatttgcc aaaagaactg catnttatac 420

tttntctttt natggaccta tattcaanga caggntagca gcttgaagcc attatgggga 480

actatgttgc acgaggccac aaagttatgt gtncaggtac taaatgttag ctcgtgcacc 540

ct 542

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gtggcatttc tgtttgggtg ggaaaaatca gaaagtctag gcttttcaag aaatggggtc 120

acagtattaa atacttggca aaaagttgtt ctgaaagaag attttgtttt gggaaaagct 180

tctttaaatg tatgagggta aatctaaata gtcgaggaga caagatccag agcgtgtttg 240

tatgctatcc tgtcacagtg gtagctgtgg tgcgagagag agccagactg ctggcttacc 300

acaggacaca ggcggaccct gatccccaac gtgtatgtct gcaagcatat gtgtgtgtgt 360

gcttaaaaac cctgtggcat tttctgaaga tcttttcctc attgaaaaga tgtggttttg 420

gtaaaccttc agttttgtgt atttaggact tgtggttaga tttaagcntc ttggtctgtg 480

ttttggaaat caggagatgt gacctggcac ccggcat 517

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<212> DNA
<213> Mus musculus

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ttttctatac atacctatgc tgaatggccc cactcctact cccaagggca aagaatgtcc 120

actaagtcca acaagcagaa ggatgctggg cagaacttca gggtaaacag gcaaccggaa 180

accagcgggc cttcgaaggt ggctattcag cccatgtact acgactacta cggtggggag 240

gcaggggaag gtggggctgt ggctggccag aacaggctgc attggtctca agaaaggatc 300

ttgatgtcct tcgtgcttgt tttcttgggc agcggagtct agct 344

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tctccagcac ctgtgtaagt gcagaaaact gaaggcacta aatctaaaat c 111

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gttggcactg ctcatcttgg tgctctacct gggtatgggg atatcaggaa gcagctggga 180

agtgtcagga cagaccaagg actgcaacca ctttcagaat cctgtgacac cccaggnnnn 240

tgnnnntcaa accaaggaac ctgctgaaga gccattaang accctcagga agtggctgaa 300

gataaactng catggctttt tggagaagtt agagaaggag ntcagagagc tggagcanct 360

gntncgggac ctggaattnt ggntngangc ccttntggga natntgcgcc cagaggatcc 420

ctgcttcacc taaaag 436

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aagagttaat atttaccctg agaggaagat gtccttgggt cttnagataa cagtttnttn 120

ttntgaantt nattcttgtt atgagaaaat gactccaaaa atgataatat tntntgccag 180

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gcactctata acacacattc attcatgatc cngtgaacca gatactgagt aatatacagc 120

cattgttcta gagctgctgc ggatataaaa acactcagaa aggaatataa aataaatcag 180

gaaggccaga gcca 194

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taaccaacnt ctcggtcatc ntancacatc tggagnaagt canngtgttn ancgagaana 120

cagtagatnc ttcttgggtg anaagangnn naananncat cngnnntttc aacccactga 180

atttaaacat ttctgtgcct ggaaatactg atgaatccta tgattgtaaa gtgttcgtgc 240

ttacggtttt aaagcagttc tcaaactgca tggcagaact ncaggctaan ganantanta 300

cntgntgagt ganggggggg ggggggtgca gtntcctnag cagtncntnt ccttcgaggg 360

ctgagcttgc aacccaggan ttaactccaa agggactgtg cgntcattac tantcatgtn 420

atttatgttt ttattttgtc cactgaantc ttgttntgct accctgtagg gactggaagt 480

ggcagctata tttatttatt tatgtactga gtttgttaac gctccatgga ggag 534

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actgacgatg ctcctcagga gaagcagcag ccagctgatc tatcctcaga aacagagaag 120

gcaaagtcca agaaaaaaca ggagctttct gaaaaggacc aagttgtaaa gatccaagct 180

tggtggcgcg gtacactggt acgtcggtcg ctgttgcacg cagccnncnn nnnnnnnnnn 240

nnnnnntnct gnnnncnntt nanactncca aagattatgg agaagaggcg ncantccatg 300

ctggatacct tccaacagga gcagtgggca ntcntcaggt tgcantcctg gatccgcatg 360

tggcgtatcc ncaggcgtta ntgccggttg cttaaggctt tccgga 406

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aacnngggtg accgtcacaa caggaggact ttgctntcca cagaagtntt tctaggtgca 120

cnggnttntc ttctcnagac tttctgctcc ttgacatcct ttgataataa ctcaggt 177

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ttataggtca tcanggaaaa ttacaaaatc attctacaaa attgcaaaga cttngagccn 180

aaantctgta acatgttttc tncttagtct tgggtgntcc atatttttca aacccatact 240

cccaaaangg agacctactt aaatttctct tgtaaagatt gttaccagan gtaanttatt 300

ttctnctgtg ttgccaagga cagccatggg ctgtaagtct gtgctgctaa atgacagcca 360

aagaaggntc tttagcacaa ttcttgtttt tagattttgg nttgagcttn gattactttt 420

gttatttggt ttccttttgt ttcattagaa gttttttgtt tgtttctttg ctgttgtttt 480

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actcaagcaa acgacagcac tgtgaatttc attataacct ctattactca aaaccgcggg 180

gacatgtctc acttgtggaa tagttgtatt gaaatgcaag gagagccttc ctttcagcct 240

gggtttcctc acttttcatc cagttcatct acttattctg actcaaanag caaagggcga 300

acctgagtta ccgatacaca aggaaagagt agcatntacc acgttggcat caacatcaaa 360

cnatcactca tnttnttgag gccatcagtt ttatgattac caacaatnta cttggttctt 420

taggaagaca ttcatcatag cagagattag aattcatgtt gacaaacacc tggagtgtac 480

ctgagattat 490

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acgcagccct gagccctggc ccagccacct tcccttccat tagacaccac cacctgttcc 180

tggtctattt cctgctctga ctgtgccacg tgggtttccg ctctttctca ggcctaagga 240

agccctcctg ccctgaggtt ccctcaggcc tcgcnnnnnn ncntnncncn cnctnnnnnc 300

ccnnnccctn cnnggtncct cctgcttgcc cancaagctn agcttctagg nagntggaaa 360

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ttttaaggat gaaccaagca agtctccaaa agacacaagg atgtatcctg aaaccaaaag 180

tcccacgcaa aacgttcaaa cacaaagatt ctggcatcag gaacttcttg agttgctatt 240

tatggaagtt caagaggttc ccccaaacaa tatnagtgac cttggaaacc atatnanttc 300

tgctgttggc tgtcccgttc agcctntcnt nttcactgtg caggaaccat ccaagggant 360

gcatgccaag gactggggaa tcantacaan tcatttgaag attcactacc ttttcggaag 420

cttggaagga aaaacataat gaataagccc atgatgattt ggtgctttta atgttttttt 480

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aggcgcaaga agccagggcc aggtgttcgt cagcacaggc actccagcac aancngactg 180

agngcctcac gaactcttca ccccacagag acccgggata tcttgccact cctaagttcc 240

cgaaagcttn ttccctctgg ggaagtcctt acacagcagg aaggtgtgaa ggctganacg 300

tcagagctcc tgcccgtgat cccagagtnt ccctccagac tntgtcttgg tgaggactca 360

ctgggtaggc aggagtacaa ggtccaggtg tnccggaaaa gcgtggacct gagttgcccc 420

atggtggccc tntcagtcca gaacacancc gagagcagat acggcttccg cttcntntgn 480

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agaaagagaa gatggccttt gaaaaagcgc tctccagtgt caagagcaga gtcctgcagg 240

agtccagcaa gaaggaccag ctcatcacca agtgcaatgn nattgnatcc nacattntaa 300

agcnagaaga tatacttaat ggcaaagaga atgagattaa agagttgcag caggttatca 360

gccagcagaa acagaatttc aggaatcaca tatntgactt ccggatccaa aagcagcagg 420

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cccgtagccg tcagtgttc 499

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aataccaatt ctagcatggg accagctaca cccctggaag ttcctctccg caaaggaggt 180

ggtgatatgg ttgttgtagg accaaaagaa ggttcctggg agaaacctaa tgatgacagc 240

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gaccccaggc ccnagggaac gggatcatga cagggnccga gagaagcact ggcaagagag 180

gnccagggtg tggcctgaga atgattggga aagagagagg gagttcaggg aggagagggt 240

caaaagccgg gacaagaggg acagaagtaa gtagaggcag cagcaggcag cctccgtcag 300

gctggngcag nncntttagc agtactggng attgaactag agantgcggc atgtnaggca 360

agcgntccaa ccacagccac ataggatgag agggagaaac aagtgtgtaa gaagaaatgt 420

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ttgcatactg cnaagagacc tgggttttgt ccagaaacct ctttgntntg agaaaccatc 300

actttcagca aaatnccntn ttttgcctgg catggtggtt catgcctcta atcccancac 360

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gncctaaaca attatattgt atctaaaaan aaaaaagaca tnttctggcc ctttttagca 480

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gagtaaatac attcctctgt atactggtca tgtgcagagc acagacgctg acaatgtgga 180

caatccctac ggagatatca agtctgtggc cagtcctnnn cncnntannn nnnnnnatnn 240

naannnnnnn cnntntncga atatcncngg nnanacnngn cnnnntncat ttcacagcca 300

cccacccaac naattctaat attccatcna gagagccatc agcagattcg gagatgaacc 360

gcctnntnnn tacaagaaat gagantcgac cgcttccntc accagggccc aatntcccaa 420

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tgaaataaaa aggagcaaac ccagaagaga caactctgca tttcagggct tgtaaacttt 240

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tcaccgatgg agatgaaaat gactcttcca atggtttnnt caatgattag ctttatccag 360

cggacatttg gttcntcaat accaaaagag aantntacca gcttcctaca caataggatt 420

tatgtcagaa attcttttgt ttgatattnt ttggtttatt gacatatact atgcccaaac 480

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ggggatataa actcagtctt agccagccca tgccttcgat ccccagcttt aagaagatac 180

ccggatttac caaacttcag cggccggtct tggagttatt aattgatgac agcaaaagat 240

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ctacgtcaag ctacccaata atagagaagg caccgatgag tncnntntgg gcccagctgg 360

gtnggtaccc agatattccc aagctgctgc agttagacat tcantcgacc ttcagaaaat 420

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ntcanataag ctgaaggaaa gggatttagg agtaggagac angaagaacc cttcntcttg 360

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ttttcagtat tctttgccat caaattcaca ctttgtaagt aagcaattga gttgttttta 180

ctatattcac agagttgtat aagaaccact tatcccaaaa atatttagtc actccagaag 240

aaaacagtgt acccagctgt gacccccccc ccatttttct ttttcccttc cctggcaacc 300

actgttatac attttgtttc tatggattgc ctgtttttga cacttnatat aaatgcaata 360

atacaatgtt tggctttttg tgacgggatt tcttatttta cgtagcatgt attaaaagct 420

tattcatgct anaaatcgag gatttntttt atgactaaat aatgntccac tgtatggatg 480

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ctcacatcaa gcgactgaac acaaagccat accattattt taataatcgg caatggccac 180

gcggggctga gagcagcagg ctttcagggc actgccgcca acgtgtctct ctcttgagat 240

gtcttgaagt gctnaccgac angtgtgggc cttggcantc agatcatgcc tccagcttgg 300

antcccntct tgtgtagacc cttantgcct acagtggtca cncaantngt gggncttggg 360

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tcctggnnnc nnnnncnnnn nncntnnnna cccngnangn catccccacc natggctnga 240

nnaaanggnt nntnngcatc ttanttcttg nctttcccct gactagctnc ctgcctggga 300

ggcaacacag acgagaaaag accggtgggg atntntgaag gatacatagg ctcagaagtg 360

tgganacntn tnttntaatt tctttgggcc tcgttccttt ntactagcac atacgcttta 420

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tcaaaggacc caggtggcca aagaacatca cccatgggag agctgtgctt cccatctgat 120

tctttctggg catctatacc ccacattcca tccaggagca aaggctgaat acactgtttc 180

tgtctctatg ttggcctcag aaaagcagaa atcagaagcc agggacagcc cttttgctca 240

gatggtcaga accagactcc ctgtggcagt acatcatggt aactgccacc atagactcag 300

agaccatcct gcaggaactg gtagggcagg aactctacac catggacaaa tgctgcataa 360

gtggataaga gnnctaaggc cctgccccca tccnttctca gaacagtggn aaccattccc 420

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cttatatctt tccaccccga cattcaccat gatgcctgag tcttggaaag aggaaaagat 180

gagatagaag tcctactgtg gctaaacact ctactgacac tttaactagt tgtgagtttc 240

tgacttaact gtcctctgtt gcacaaagtt ctgtaatgct ggctcactta atagtctcac 300

ttaatagtgt cagctgccct gagtgtgtgg ggctcgaaga gggcagggct gcatacagag 360

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tatactcatc tttcaaacca tcatctccag aacaacaatt tgaacgagag tcctctaang 180

agtcatcctt gggacagttc ttagaacaac cacctgagca atgagaatct cttaaannng 240

tcatctttgg gaccaccatt ccaagaatat ctacccaagc aantagatcc caatgacant 300

nntccntgag ataacaatnt tagaaacagg tgactctggg acagcacatg aaacaaatac 360

tatggtgaca aaacatcagc catgctgtga agagaaacaa gtcaggnact ggacaggacc 420

gtaggcaaat gaaaataaaa ttagacaatt tattttcata ttatgctgag gtatgccagt 480

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atccactgga gtccctccat ccatgtcaga gttgctgcga gaaatntttg ttgtntgccc 180

taaagaccaa ccgcaatnag ggnnngagac cttcacacca tgcctgggtg ccttttttcac 240

ccttntngtc tggagctgct ttctaattta tctgtanttc aanttcnccg aggtggagca 300

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accttgcctg cccctgggat cacagttgag gtggcctcct gccagggacg cctcaggggc 240

ccggtccagc atcgtcttgc ctccccctgc tgtcttcatt cccatttccc tttccctctn 300

ttccccccat tcctttnttt gngnaaaagc ttttccantt cccctcntac antgcatcca 360

gaggtgacct caagagcagg gcnggaggtg ttagancaac ctctgaaggg aaggggctcc 420

tttacccacc anttntagta gccactgtta ctggcgggtg cccaaggaca agatntcttg 480

ccctgcattg cagaantntt ntgaggtaga gataagctgc ttgggaatca ggtgttcttg 540

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acatgacaaa tcacggagga aaagcctgaa aaggaatttg gttccacaga taaatctggc 180

ttcatccttc ttcccaacca cacccaagtg aagaggaaac ctcagaactg gctgctgtac 240

aggaggccac aaggtccaga tctagtcaag atgaggatgc cacaccacca gatggttaca 300

cgtctctctt acagaccatc ctgataatgg aggctgctca aggggntctg gtnacctnac 360

agggtctgca gccantctgc caacttttta cacatagaaa aacataacaa acgggcaatn 420

tntntnntna ttgtcaacaa gatntcacaa ggacataaac aaaatcagta gcctgggtag 480

acccaa 486

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caactgacaa acatttacaa aggaaacatt agtttctcca agtgagtctc cttgggtaca 180

caaacccact tgatgcgcag gccccatgcc cagtggtaga tagccaacac aaaatgaaca 240

atagtatttt tgtagatttt ttttttttg gtctcttatt gctttatctg gaggttttat 300

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acatnnnnna ggttgctaan aactctccag gagacaatag aatgtccang aagngactgc 180

tgatgtcatg gactacatac agcctttggt tccctgataa tgttctccct gtacngacag 240

gaanctgagc tgccctttcc tggggcatag ccattgagca catcctcctt ccaaagccag 300

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tataatcctc aactggacca ccacagtcgt cggtacttcc ggagccgcgt ggttccgccc 180

attttgcgga aaactgatca ggatcatggt ggcacgggaa gggatggctg gatantggat 240

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ctccatggca gaagtactat tcaggctgta aaactcagca tgtaggcagt cctatctgcc 180

aaaaggaaac aaagacctaa ttcatcgagg tctatagctc tggggaagtg tatgtgtgcg 240

aagaagcttg tgtttgggca tctgtagtcc acatctagtt aactgctttt cttaaatgaa 300

gtctgtcaac ccagnacncn ntnnttntgc ctntcaccct gatnaacncc aaggactaca 360

cantcggatc tggaacactc agacagctaa tatannttcc antnccttaa aaccatgtcc 420

aagcantntt ccctgttgna aanttcacag cagaaggaca gaacagattc ctaaaggttt 480

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aatgtcacta cagggaacta tttgacagtg attttgaaca atccagcgaa cctcaacaga 180

gtgcaagtaa gaacgggctc catcacggat ggaaagtaca tcctagaaaa aggacaggtg 240

gagctaggct atgatcctna aggaacacnn ccacaatnna ccagntttac cctnntggnc 300

cggcttgtgc aagggcagat ggatcanttc attntggaaa gcattgggta taaantaanc 360

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<213> Mus musculus

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acaagaccat ctgtgtctgg aagcctacaa ccaacaacct gcctcttcag ctcaagggcc 180

ataccatttg ggtgaatagt ctagcctttt ctcctgatga actgaagtta gccagtgctg 240

gttactctcg tacggtcaaa gtctgggact gcctcacagg gaaatgcctt gagaccctaa 300

agggcatgct ggatgtggcc catgcctgca ttttcacccc agatggcaaa ntcttagtgt 360

cnggggctnn tntnacaaga tgacaantct gctcaaagtc gagaacctnt cccatgtagc 420

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gcagccaccg tcacctacct tttcctatac tgtgcctgga gaccccgagt gtccaattct 180

tctaccagga ggcaaaggca gctaaaggcc gatgtgaaga aagctattgg ccagctgcaa 240

cttcgagtgc tccaggacga agataaggag ttagacccga atgaagacag ctgcgtggtt 300

tgttttgaca tgtacaaagc ccaagatgta atacgtattt taanttncna acatttnttc 360

cacaagactt gcatcgatcc ctggctttta gcacatagga catgccccan gtgcaagtnn 420

gacatcctga aaccttaaga agcccagaga tctntccaca gattaaaatt agacgaattt 480

gctcactgtg ctgtacatcc aaagcaaaca tgacccttag ttcct 525

<210> 7515
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<212> DNA
<213> Mus musculus

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gcttattctt ttcaaaccct cctgtcattt atttgaagat tattttccac tgaagccttt 120

gcagaaggta cttagagcaa agcctcaaga gactctcacg ctcattttgg agctgtctga 180

tattcatggc tccgagctgg gcaaatatta gctggaagat gtagacggtg ataaggccaa 240

cggcctacac ttctccagac cctaaaaggg tttctgttga cacaacctga tttgtctcng 300

gcagcagctg cactgcatag attttgcacg gaacccctnt catggttggt gctcgtgtgg 360

ggagccaggc acctccctgg atgctttatc ataggagcga cggtcagcac agttctatan 420

tcatgggctt taggaagata agaaccccca atcaaccctc agttatgaag ttattattgt 480

tgtagctttc tgttccactg 500

<210> 7516
<211> 324
<212> DNA
<213> Mus musculus

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taaaggaacc caagcaaaaa acatccaaaa agtggaagcc caagcaagga tctaaggggt 120

cacctgcagc cgtgacatgg agaaaaaagc aggaaacatt taaaatctcc aaggtaataa 180

agagtggtgg cttgcaagcc agggcccaga agaggaagac ctacgttaag aagccccgag 240

ttgtcttctt aaagacctac catcacagca ctaccatggg gaagatgaag gcactggata 300

taactgacca gttggtctgg tttg 324

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<213> Mus musculus

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<223> n is a, c, g, or t

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cagtgaccca atagagtacc tggctcactg gctttaccat tataggagta taactgtagc 120

tgaggaaaag agaaggcaag aggagctaca gcttaaggaa gcacgtgaca gaagcgctga 180

ggaagcaaaa acaacagaaa tgctgaaaga agaaggntat cagattcagc agaagtgtga 240

aaagtgtcac caggaactgc cctcgacctc tttttcctca gacaagaccc cagccctgca 300

ggaagacacg gcacccccttg aggagaagac tatgaggcag gaatctcaac cgggtncctc 360

gcgtgtgatt tctgagatgc ctcaaagggc tattccctca taanaaaatt tttaaaaagg 420

cccgtaagag gagcactcat ct 442

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acaccaattc ggaagggaaa aaggccattc ggagagagga tttcctgaac ttactcctca 180

ccaaagggga gcacatgaca gaagaagaga tgatcgactg tttctcgact ctgtttggcc 240

tgactccgga ggggtggaaa tcggagcctg cagccacctg catcaacggt ccagaaatct 300

gcctccanaa agagcttccc gangaaatca ctncagaaat attcaccacn gaaattcttg 360

ncttaaccct ttccgacagc tcggaacagc tcattcagtg acntcattgn cgatnctggc 420

agcacaaagg gctccgtgtg tgcttgca 448

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gcctcagctc tgggcctcac agttcccagc ccttcacttt ggcagtactc ctcagaggcc 120

gtgtcttcaa cattcccatc cggcaactgg acggtgggca ccactatgcc ctgggtcggg 180

agggcaggaa tcatgaggag ctcttctcct ctgtggccgc catggttcag cattacacga 240

agcacccccc gccccttgtg gacggacaca gtggcaaccg gggactcacc tacctgcgct 300

tccccaccaa gccctgaaga aacagcagca cacagatccc cctcaggcac gtgatgtgtg 360

ccccattcan tttntntccc actttaggct nttttctttt cccnccccttc ctccacccca 420

aaagctctgc aggttcaaa 439

<210> 7520
<211> 273
<212> DNA
<213> Mus musculus

<400> 7520
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gcgctgcagg agtctcgact gctgtttcta caggggcgtc tgctacgaga aagctgttcc 120

catttatgta caggtgttct tcactctgat ttggttcgtg gcaggggcct tcatcattgc 180

cgtcatttat agggttatac aggggactaa aaaagagaag aagcctttac tcccagagga 240

ctcacaggtt gaaatactga agtctcccac tcc 273

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ctntctgnga cgcatttcca cacccctcc ccctttccca cacgtcaggg ctttcctgta 120

cacttgtaac cctccta 137

<210> 7522
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ttgtggccac ccagcagggt ggagtccaca gatcccaatg acgattccaa cagggtcatc 120

atggaggtag tcccctgtgt cagctcagaa gagcaagagc aagaggaaga ggaagaagaa 180

gagtctgttg ggaaggtgga atccttggac aaagagaatg tcatcctgga gagctcaggg 240

gatcccttcc attgtcatag aagatcagaa gaatccatcg aatacccgag ttggattgtc 300

cagaggcagt gggactggag tagcgatgag gaagattgtg anggctantc catctccgtc 360

accgccctag tgcacgctga aacatgctgg tctgaca 397

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attacatttt aaaattgagc aaaatccagg gtgaacaaaa gagaatcgac aaaattgaat 180

atgaaaatag acaattgtgt cagaaaattg cgaatgccta tcgaggccct gccaaggtgg 240

actgctggaa tgagtatctt tcaaaaagct taaacagaga atcaaggaac cgagagctag 300

taagaatcac catggaaaac cagggcatcn taaggaggtt gagtgatcgc aaacccaact 360

atgnccncan gtnatcggag atggactgnc agaattcaag gcggtatatn agaaacacaa 420

caagatatnt tntcttccaa gaagantagg ttactcacca tggaaaagac accgagaaga 480

ccctaagatt tcttggctgn tcaggatntt aagacatcgc agaaatggct gcatttt 537

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tttatatact ttataaaccc tcaaggcagg aaagccacag ntntcagctg gctgaacaca 180

aagcagtcag nccccgcacc cagacttccc taacagccct aaaggtcatc ttctaagggc 240

tactgcagtc attcattcgc aacctgagct atgaaagtgg ccaagaaagt gccctacang 300

aaaaannaaa nnaatcccnc caccccctga aaaggaantt tcattantcc ctggcttgtc 360

acagaaacca gttcctgagc atgaaaacca acaaatccct gagcagaaaa attcaccaat 420

ccctgaaaat accaaantnt ggacttgaan tcccaacant cntcagcctg gaaaactgga 480

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aggaacccaa actcaacctc tgtccagata aanatatgtc aacatngtat aatggttcag 180

cctggcgaag aagaattcct ttttcaaaaa cttattcaaa gacggaaaag gtatatccag 240

agccaagaag aaatgggagt aagtaagcct ggaggttgag agaagaggaa aatgaggaaa 300

gagagaagct ccagccatca tctgattcac aatcanaaat gaaaattcaa agaatgagat 360

attcaagtac tgcatagtat atagtgggta gccaacgntg ataaaacgca aattntgaaa 420

ataagacgca ggaagaacat tgtgntcttt caaaactgat aaaatgcaaa ttgcaaacag 480

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cttgaccggc gtatcctggc ctatgtgttc ccaggggtga ctcgcctcta cggtttcaca 180

gtgtccaaca ttcctgagaa gatcaagcag acctctatca agtccctaga tggctccgtg 240

gatgagaaga agctgcgtga gtgacgcatc gctatctgac tctgacggca cggctggaga 300

agctgggcta cagccgcgaa gtgcacccgg tgttcagtga gtttctcatc aatacctatg 360

gcatcctgaa gcagcgtcca gacttgcggg ccaacccact gcacagcagc ccggctgccc 420

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tgacaaggag tggattctgt ctcctccaag atatcgtctg gttcagcatg agcataaata 180

gaaacttcag ttcagaggcg agcatctaga gcgaatgaag acgtttccct ccaaagacaa 240

aactttgatg tttcctgcct gtgcatcagt gcaccacata tgtgcctgat gcccctggag 300

gccagagcag tgtttggatc ccttagcact agagttagag atgnttgtga accaccangt 360

gnntncantc agtnaaantt gggttntcgg gaagagcagc cagtgctntt aaccactgag 420

tnatntntcc gggntnttac ttttngtttt tttgatacag canttnagga aattgttcag 480

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accatcatga taaagcaaag taatttcttt atttacatac aggaaaatgt atttatcagt 180

cagagtgtag agtatatcat acattataaa tttgctttta tatatcctag ctttgtatcc 240

cacagtttgt cattaagatc ggaagtgaga tttaaatgta gttttaatgt tcatgagctc 300

tactctaant natctgcata tttgttagat ntcaaaacat ctttttaaa ataaaaatat 360

tgtgtgaaat tttgggctgt aatgtaatat cattgtttaa agaaaagaga gggcgggaga 420

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acaacggttc gttgttaaag gatcgagtga gagaagacac tccaaaggaa gnctatnaan 180

tgacaacaga ncctnancct tnngctttga anatggagga agantaccan tcaagnagtg 240

caantggttt acaggngctc caaaaggcgg ggaaacttcg gactacagac ctgttggcac 300

cctgatntca gtaccctggn tcctcagaag tgggagaaaa nataattntg ttgttttggg 360

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cctccttaat tcacaccctt 440

<210> 7530
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<212> DNA
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<223> n is a, c, g, or t

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actgcagact tgtggatctc aaaataccca agaacgtgta cattactcaa gcagctgggc 120

tacaagtgac acccgaaggc gaatctttaa atttggcaga agcagacaca gaggagaatt 180

tgcagctgcc ctccaaagag ggnagtgaag acatgttgga cctattactg gggagcaacc 240

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<210> 7531
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<213> Mus musculus

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acaagagtct ggaagagatg tgagaatttg cactctgtat gtccccttg cctntataga 120

aagatggcat gattgcccat ccaagcctaa gtctgagcan gagtttgagg agataaacta 180

ctatctgctt cactgaactg tgacatgcat ggatccgcct ttaacaaacc cctacgaagg 240

cttttagact ccggaccctt ccaaaaaaca acttcaaaca tctgacaaag cctagttaag 300

ggacaacact ggtaggaaga attgttggaa aggcatgctg gctggaacat tttcccaact 360

t 361

<210> 7532
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tgaggnnttt tatgacgctt tagagtcatc tgatcacact ggccatagcg ggtccactgt 120

ccaggtacct ggttttcttt gggaaccaga tatgctactg ctgccggtaa tgcccttgat 180

gtggtttctt acattcctgt tatcaatgat gatgtggatt agaaatggaa ttngcaagtg 240

tgctacgaag naaatggcca aggacctccc tccaagagaa aagataaacc cgatgccgct 300

ggagctgaac actccaacac acactgatat 330

<210> 7533

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gattgaaatg tgtaaaaccg ccctcaagga cagacacaca gggccagtgt atgcagaaat 120

gatcaacaac ctcttgggcc ctctggtaga agccaaggac tgcactttga tcagacataa 180

tgtgttccat gctctaccca acactgccaa caccctgatt ggacgtgcag ctcatatagc 240

cntgctggac tcggaantct tccttgagaa gtttttnttg gtggcaggac tcaactattt 300

caagtagtag cttccaggga gcagcctggg tgactntcca gagctgctca anatcatttg 360

agttcttagn taggtcatgn ttttccacat ctctgtattc cagagtggan tagaaggaga 420

gtggagggtg tggagggata aagctggggt gggactggac actagagatg cttgt 475

<210> 7534
<211> 308
<212> DNA
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agtgagaggg ggttccagtt gttcacttca tccccactag gctgtaacac ggtgaagtct 120

aggccgcggc agggcctccc tttgcttcac agctatgggc aacactcaca tgtcgccagc 180

aatgactccc taacaagcca cacccccagt gtagcaccca gcagtgctgt gacccctcaa 240

gagccacact cactgtaagt gctgttcaca cttattttca ttgtatgcat ctgggtgttt 300

gcctgcat 308

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atttgccagc tagacactta cagtgatctt cattcgggac agaaatcctc atgggcagga 120

agtgtcagga tatattgatt atgctcacag actaaaatct gaagattttg aagtctactt 180

taatgggaaa agaagacttc ttccaaggac cacagacatg agcttttaca actgggacag 240

ccatattgct gtttgcaatt caagtccaaa ttatcaagtg attgctgaca accctgaagg 300

cttacttttt aaatataaga gggacagaaa aattctcaat gtggacccaa aggctcatcc 360

aggtgacaac tccaccagga tccccatcca gacggatntc tacgcacatg tggttctctt 420

tgaccacgtn tccagaagga agacttaagc accacacagt aa 462

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tactgagtcc aggatgtata agccttttga cctccggaca ataatcacga tcatcattgg 120

ttgcgggatc ctgacagcca tgtttctact gataggactt gtgctttgtc tttactccaa 180

aatatccaag gctctgaagt cccctggaat cgcaaaggag gcagatgatg aatgctatat 240

tgatccatgc aaggaccccc atgagagcat catcctggcc aacagcatcc ctgctgaggc 300

ttntcattcc tancagncna anaccattgn tnttgcgagt ngcgntcccc tccagtgttg 360

taatgtatgt 370

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cagggtggaa ggagagggtg aagtcctgag acatgtcctt tgttgtacac acatgttcgc 180

agacaaacac taaacgttag gaaaaaaatg tattcagctc aagctaaata ttaaaacagg 240

cttctggctg actgaagtca acccagtcct taagtccatt gagtccacca gaccattcag 300

acaacaggta tcagctctat ggaa 324

<210> 7538
<211> 392
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aaaaaaggaa ctcaacgaaa tccactcagg ccaacgactc tcatgtagaa agctaaacaa 180

cagaacacag ggcaacacaa aaagttctac tagaaggaaa catacggctg ngggtgcnct 240

gatttggtag ttnancntnt atgaancnca gggttngatt ccccagcacn gcataaaatt 300

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gggaacaggc tcatgccaga gccaggacac aagactgggt cagggccaag gcacaggagt 180

ttgtcagtgc naaagagcag cagtacgtca gagccaagga gcaggagcgt gccaaggcca 240

gggaacaggt gcgtatcgga gccagggatg aagccaggat caaggcaaaa gattacaaca 300

gagtacggcc tacaaaggaa gacaccagtc ctaggccagc aga 343

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<223> n is a, c, g, or t

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tcacccatgg tacattgctt cgctacacgg aagaagttat ttagaacagc tcatttcgag 180

cctgcttata catacaatgt ttatgcatat ttacatcaag gcatgattac tagtcagaga 240

tctnaatgct gagcatttnt tncccagctg gagagagcgn tangttcaca gntnaaaaca 300

atcnangccc ctagtgcaga atgagattgg ccgcagagac tcggtccagc cacctgaccc 360

agcctgacac atttttntnt tntgtatgga acacattttc agaaaggttt ctatgtaatn 420

tntaaatcct ntcattgcct ggaagaaaat ttttnttntc caaagcaaaa aagccaaacc 480

tctgtggcct gaaatgtcca aa 502

<210> 7541
<211> 418
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tcntggagag ccttggagga gaccatgtgt cccttgtgca agagaacccg ctntggggcc 120

ttggagagga cataggagcc aaagtgccag ggnctgggga acaagagggg aaggatggcc 180

gaggaggagn gaggccagtg ttactgagga agggttcgtc ccagcggcag tcctccccat 240

tnagatnncc cccagagttg cccagncagg agacctnggg ctantntggg gaaagcatga 300

gggagggagg gaggaaggaa gnagaaccat gagagggaca gaagaaatgg aatgcccatg 360

cccttgcagc ctgcccaaan tccgntcanc cacttgtacc tgggaggtca ggccgagc 418

<210> 7542
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (247)..(249)
<223> n is a, c, g, or t

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<222> (251)..(251)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atcaggagca actccgattt ggctcctctg agcatcggag gggggtccat gacgtggcac 120

gggggaaata gacaaccgaa acctcccgtg tgaactgcaa actataacct agggagggag 180

aagaactgtt ttctgcattt taatttcacg caaaaaggtt cnagtgtctn tgcggtaaan 240

ttntttnnnt ntnttntacc cantccagna gaacccagag ggtcctatct tggggatagc 300

atcattcnga agagccccag ccagcggcct gtnttcctgt tcccacattg cccggactgc 360

atccctgttt ggggtactcc atctatccta tagagctatg gtcaggtatn tatgaatact 420

gggcgaattt ctgaaaccca actcttgcaa c   451

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<211> 455
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<222> (258)..(258)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (267)..(267)
<223> n is a, c, g, or t

<220>
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<222> (274)..(275)
<223> n is a, c, g, or t

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ggacaggatg tggaactgca gccagactac tgactgggct ccaggactag taaggaaagc 120

accatggtca cttaaagact catcctttcc cagacctgcc ttagtttggg aagttgactt 180

gaagtaacca taatggcaaa agtccatttc tatctcaggt ctcattgact acaaacccat 240

ctattgctgt attgantngt tngtttnttt tttnnagttc aattcaattt aatttttttc 300

ttaaaaagtt ttggtatata ttaagatgaa attgagattt tttttctcat tagattaata 360

ttcccattgt ggaaaattgg gcatttagta tttacggttg aaactgccag ttatataata 420

atctatttta catgtgacac tttgtattta acttt 455

<210> 7544
<211> 295
<212> DNA
<213> Mus musculus

<400> 7544
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acatcctgcc tggttttggc ctcaaggaag caatggtgag atttcgtagc tcatcgtctc 120

ctggttggag caaagggtgc caaacagagg tcaagctcgg gccacaggga aactgggaaa 180

atacgttcat tgccatgtgc gaggagtcca gtggatttca gaaatcttct gtgtcttctt 240

ataggataca gtgacagccc cttactggaa gaacatttta gagctgccat tgatg 295

<210> 7545
<211> 483
<212> DNA
<213> Mus musculus

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<222> (278)..(279)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgcagtttgc caccccgcta cttcgtgtct cttataaacc actccattgt cttgactctt 180

agatcaaata caacctgctt ttgccggctg tcatcccgca aactatttct ctattttgga 240

tgttgtggta accatttctg atattttcac cacgactnnt ggnagatgat tccntnttct 300

tcactttnac acctgacatc natggcagga ccacatgtga gactnccaat tcccagcaga 360

cactatcttc actgaccctc caaatcactc agtattttgg gaatacgatg aatttgtagc 420

acctccaggt atataaagta aaaatnaaat tcactataca gttcttaatt cttttctata 480

caa 483

<210> 7546
<211> 345
<212> DNA
<213> Mus musculus

<400> 7546
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aagtgaacag cgcaacaagt gggacagcct cagccatgcc ctgcatctgc tcagtgtgcc 120

ctgcctgcca aagaggaaat gctatcccag gtacaggacc aagaatggtg gcagtggaat 180

gttatactgc tggaccacag aggaggcaga aaacaccaag gaaactccaa aaaaatcaga 240

ggggaaggag gaacatggct gattctactt atttgacaca tcccgcaaac tgaaaagaca 300

aaggcggggt gcgaaatgtg gatgactacc gggaagacct gactc 345

<210> 7547
<211> 501
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ttcaccccag atcaaaagca acacatttct agaaatttca atctctgggc ctgtgactac 120

atcccatcca attttgatgg tctttcaaat aaccaaacat cctacgtacc taagaaagct 180

gtggtgatct caactttccg acgatttcca agatattatg atgagaaatg gagtgactac 240

aagtttgctt acaaccaaaa ctgtgcaaag tttttgggat accanccaaa tggagagntn 300

nctgtngacc caaaggttnt ntntcccnag gcttgtgcag natccctaaa ccttccagag 360

gctnttgatg aggtttgtga tgttntccca tcaggcggtc ataaagactc tgacccaaca 420

ctacntcatg attgctgaaa tacttttgtg atttttataa ggttgaaaaa ttcttaggaa 480

ggtacgtgaa gctattgcat g 501

<210> 7548
<211> 236
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acnactgttt cctgatgctt tngngtcgca ccctgnccta ggactgatga aaataaaaga 120

ggaagaagaa agtgataccc caggcgtgag agtgtgagtc tttgcacttt ccaagtncca 180

tttcacatgc aatgatggca agcctctccc tctttcagat agctttggga taccct 236

<210> 7549
<211> 264
<212> DNA
<213> Mus musculus

<400> 7549
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tacttctcta tacaatatga agtcctggaa gctgctcagc tggctctaga gaccatgaat 120

ggcagtctat tagaaggttc ctgtatcagg gtgcgcaggc ttgtgactga acttaccctt 180

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gtggctggaa ttggtgaaac cttt 264

<210> 7550
<211> 529
<212> DNA
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<223> n is a, c, g, or t

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tctcatctaa acatgcaaaa ggaaaccctt attctcacag agctcagtcc tcccacctga 120

cctggcctcg ggtctcagct gtttctcatg cacacaactc atgaccaaag aaagattcta 180

aatctcttga tcaatttaca ctgtgattct ctgaagagca tcttttattg atttttgttt 240

tccatgttag ttattcttag ctttgaaaaa tgtnatttga gtttttctct tcccacaact 300

gattttccng gcgattcctg ttctgagatc tcagataccn anaacctccc tacgtttttt 360

cattttatgt acnactggtt cttttgantt natctaacta cgattgtatg gttcagagtt 420

ccaggactat gatgattcac ccnaaatntt aatgtttttg ttctaattat gaaaacatgg 480

tagagcacca tttaacttgt gaccaacatc atatctactg catctctca 529

<210> 7551
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<212> DNA
<213> Mus musculus

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<222> (332)..(332)
<223> n is a, c, g, or t

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<222> (342)..(342)
<223> n is a, c, g, or t

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<222> (348)..(348)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcctagaaca cagagggtaa caagattcgg tgccaatctc cccaatgtcc ccttccaggg 120

aagaaagagc caaggggaga gggtcttgga tcacttagca ggctctttcc tctcttgggt 180

gttctgagaa gggtttacca ggcaggcctt aggctgagga tgaaattaag gtgcactcag 240

gtgatagatg tgactctgtg caagcttccc ctaatagtca cctatttatt atccttgagg 300

ggccgacttc tctngggcag ttcacttccc cntcccccac tnggatantg aactaanaaa 360

atnatnnttg taattntgan ttanatantg gatctgaaac cagaggtaca ggtgtaagat 420

ccacaacagc agtcggcca 439

<210> 7552
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<223> n is a, c, g, or t

<220>
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<222> (215)..(215)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (267)..(267)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (356)..(356)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (427)..(427)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acagagttct ccagggaact gtgagagaac ctcccaccac agtactcagt acatccttcc 120

gcctccaaac ggcaaaatga tnaaatggna agagagcttg ctggttttta caggagggaa 180

aggagaggtg ggtgtggtga gtggcaaagg acagncggga caatgacttn ggtgtgggac 240

agaacccatc ggctcgttct tacattngcc aganctcagg cgtcnggtta actgagctaa 300

tattccactt gctgtgnact atgtcttcct ttcgatgagc tgcatcttcc tcctgntact 360

tcatnaacac taaantaccg atcagctcat gtgacagcca tcagntcctg cttgtcacgt 420

caccctnttg tantctttgg tttccgttga ttacggctct tccacccaca gaccaaccct 480

caagtttgta agctgtttcc aagcaccaga agataacagc ccagctntgc aggactagag 540

ataaccatca agttccttgg caaa 564

<210> 7553
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<212> DNA
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<223> n is a, c, g, or t

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ccagggagag tctgccgtgc ggacagctgc tgagcttcct gcagaagaat atcatctctg 120

ctaccgttgc catggcagca gtcctcctgg tgacggtgct ggtggtgttc acactggtca 180

catataaaag gcggagacag acaaagtatc ctccagcgaa catgacatac aatattttta 240

taatgaatgg gaagtctttg tggcaaaatt cccaagataa ggacctcaaa aaattcatgg 300

gaaagccgaa gcacctgaag tacaattcct tcgtctgagc cggtggaggg gccagcaaac 360

ggccacccag ccactgccag agagttnttt tgcgctaccc ggatagaagt ccaaggattt 420

gaagtgaact cccgaccttg aagcccagga agaaaatgcg gccgagggag gagccagcag 480

gtggtaggca acaaccctgg gactgtggtt tgagcccaga gctggtatcc tgaagcccat 540

tt 542

<210> 7554
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<212> DNA
<213> Mus musculus

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<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcagttcctc aagacgtggc gaaagaatgt gaaaatcgtt tgtatcgtct catgtcaaaa 180

agnnnnntgt ggactcatct tccaggacat gggctttata gtttatgagt actctatctg 240

gaacgccagt gatctctgct cagaccccag catgttcgtg gaagtactcc agcatatcnn 300

ggtcnncanc atccttgtga ttgggaacat nactgattgc aagttcacac agaatcagtg 360

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gttctgatgg atgaagtact cagtccgaag tgctcggttc aagatcaacc aacattgtta 180

gctaacactg ggatataatt aggaaattat gagcaagagg gattcattca tgatttatct 240

tttnggttgt gagcttacnt tttccaggat ganccatntc tntagcctnt tcatggnnta 300

tntcaattat acttaccaga caccattgtt ngctacagca cattntcatt tagtaccaac 360

tgtggcataa attgatgaga aagttgctnc cagaagccac aaaatatcaa caaccttgcc 420

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gctatttcaa aaaccacttt ctccagtaat ttcactatac gccatacaag gagagtgacc 180

caactgtgcc aaacagatgg caactggcta caaatgtatg tatggtgcca tgcattcgcc 240

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ggcaaggcct ctagattctc ctatgtgtcc tgtctctcca agaggagtcc ctagatcata 180

tcagagtccc ctaccaaatt gtcccttgac aaatgtacct tcccacacct gggaaaatca 240

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gtcagaaact aagaatcacc tcagaacacg ctgagaagga gagctaagga ggtgaggcct 180

gggttgtggg agttggcacc tgacacagtg gttcccactg ctgggttctc ttctggtttt 240

gattgtctac gctcaggctt cagagccctg ggcatganna aaaanaangg gagaatgaat 300

angttantat tccatgaagg catagaagna ggtatntggg aatggctgtc gttcnatntt 360

ntgggtagtc atggctntca ggtgggaggc ccagggagag ccagtgtccc gtcagtcaaa 420

accatggcag ggtggcttac attctatntc agataaattc tttttgtttg gtagagaagc 480

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gacaaagatg gtgatggcta tgtaaattta gaagagtgga ttaaaggctt ggcagtgttt 180

ctccgaggga cttttgaaga gaagatgaga ttctgttttg aagtttatta tttaaacgga 240

gatgcttata tttcccaaga aaaaattttt gacatgttga agagtagtct cttccagcac 300

tctcctgaag aagagaatga agaaggagta aaggatttgg tagaaataag cctgaagaag 360

atggattatg acaangatgg caanatntct tttgcagant ttgaaaaagc agtgaaagaa 420

gacggacttt tgttggaggc atttggacca tgtttaccag atgcaaagtt ctgctttcac 480

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caggcaggct gttctacgaa gaaaaatcag taagccatgt ctcctcagaa ccaggaaagc 180

agttcctgga cctggcagac cttcagtgga ggtatttcaa ggggcttgcg acgtggggga 240

aagtgcccag gatgttttca ttcatggaca tagagttcaa cagtgagaag agatttgtag 300

gcagccaagg catgcntggn tttatnttcc cgcntntggt tcgtaagaca ctggtggttt 360

acccccaggt ggagtacgat gatttggncc actattctgt taagtggaaa gcctaattta 420

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gtctgcaaga gagtggagga caggaaagga agaccagtga gtctctcagc ccagcacatt 180

ctacacaacc tgcagacgac aagtgntctc cggcgtaggg aataatcacc cttgaaagtg 240

atgactctga ttgcagacac cgtcccagac tgctccacac ccatttccaa aagccgtgag 300

ctctcgaatc aatcattact gaggatggca ctgaatncna ttatcacaat aaggaacaac 360

ccagccantg aaagagntcn taagagggan tctggaacca ccacaccccg gagcactggc 420

tggagaaaac ccgggaggaa acgggcagga gagaaggaag cgaccggaaa ctgttggatc 480

caaaagcgtg ttttcctcag aaactttcta gaattccatn tcctggatct tgggcaacac 540

ttatgttt 548

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atcagcagtt ctcaaccttc ctaatgccac cactctttag cacagttctt caccttgtgt 180

tctttcaatg ctactttgta actatagttt tgctactgtt atgaattgta atataaatat 240

ctgatacttt caatggtctt aggtgacacc tgtgaaaggg tcatttggtc cccaaagggt 300

tcgtgaccca cagattgagg actgctagtc tagattaatc ttcatatggc ctctatgata 360

tcgaatactc tg 372

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gccacaacct cccggttaaa gatgggagac atgggaaaaa ctcctctttt aactcacacc 180

acacatgtgt tctctctgtc tgtgtgagag atgaacagac acggtcagcg aggagcaatg 240

tgggcagaaa ccccccaggt gcaggccaga gaaccagggg gttcccaaga ccttcagggg 300

atctgtgagg ttggaactgt tttcccatgn tgccacaggn tcnttnncct tcactcacgn 360

tgaaagcaca gggtggcact ttccagagcc taggatatgt atggtnttgt gacagtgagt 420

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acccagaaca attctgcaga catcaactgg tcctccattt tgaaatgaga gtgattccat 180

ccttaattac taaaaacacc tttctacaaa catatcacct attgttcaca agtatntgta 240

nnncnaanac nnttntactg gaanntctgg ncnaacnata aggattnntc gntaagcacg 300

ttggggantn tnncccaccn ccatgtgcan ntnttntgcn caatgcggca gattntctaa 360

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tataactgaa cattttgtgc aggaaggata tctagaatgc agacaggtgc caggcagtga 180

tcctcctacc agagagtatc tgtgggggcc gagggcacat gctgaaacca ccaaaatgaa 240

agtattaaag cattttgcca gcatcgttaa acaggatccc anatcctacc caantannna 300

tncanatgct ttnaaagatg agatanacag gacntnngcc agnttccccc aacagatngn 360

actatgntct gnctagcana nattccagca cactgnccat tcccatccaa natcaggcca 420

ggcagagtnt acgtactgtt cccttatttg agagctggaa agagggagct gtgaactatt 480

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tctgccctgc ttctgttttg ctgttagtct tcacgaccac aaagcaggcc acttggtcct 180

tccgtgctgc tcccaaggcc ccgcgctttg aatcttccag atggataagt gtcaggaagg 240

gaggaggtgc tgagaccctc tcttcctcag gagtcaagct gtttcactcc ttttctccta 300

caatggctgg aagtgatctt gttgnaaatc tcagcggtag aaaatgctnt catcaagggn 360

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atggactaga gagtgcaaac ttgcccataa tccctgtatc aaacaacgat acgaatgtct 120

tgaggactat gactttattg gagaaaatat ttatttgggt agaattgaaa cccaaccaga 180

agatgttgtt attaattggt ataatgaaag taaatatttt aattttgatt ttaatacctg 240

ttctgaaatg tgtggccatt atacacaggt agtttgggcc aaaacggtta aaattggttn 300

tgcagtttca nattgtcnta atntcaaggg cttttcagct gggctatttg tatgtaatta 360

ttcgccagca ggaaacttta taggnttcag acctnnacan gagaggagac tcttgctcta 420

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aacctccatg agctcagact attgccctcc gactaccccc ataaaacaaa gaaccctcaa 180

gttctctttg ttggagagta acctccctga gggcacaggt gaattagact ttttcaccac 240

gaaccaaatg atgatgaagc cgcatggaat agttcgagcc tctatcactg aagatttgtt 300

acagaagtgc aaatacagtc acatagagcc cccantgggc agacaacgtt tnttntntan 360

tnagaatcaa gacgagtatc ccttcaagta ccagggccca ttggtccaga agctaagtag 420

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taccttcct tctaataaaa gacccccatc aaccagttcc gtagtctttc accctgatca 180

gaaaactagc cactctcagg ttgataggtg cttaaacaag aattctgacg aatggactga 240

cactcaagaa aatggactga ttacagggcc cgtgatacca ggacagnnac atcaagagcc 300

actgactgaa ataactgaag aagaagagat gcaagccttt ggcatgtaag gctttttcct 360

tgctaagatt tgaggagaac accagcaaca aaggtgagct aacatcagga ctgctggatt 420

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gatcttcttg atgccaaccg caaggaggaa agagcttcga aattacagga agctctcgta 180

gtctgctata aaccaacaga ggaattcatc agagagctgc tctcccgaat aagagcatga 240

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gctggctcag tttcctccca cacgaggacc aggtcggcat tggggacgtc agaggctgag 180

atgctgcggg aagtgtacct ggtgctctgg gtcatccgca aacaactaag agagctggcc 240

cgcagncagg agaggcgaag acgncgccgt atgtggtctc atccctccca tacttcccgt 300

cactntgaac cagtgcaggg cctcaaacat gatncccgaa ntcctcttta ggcaggggag 360

ccccagatcc tttgaaagcc cccacctcan tnttacggaa gattgacagg aagggttcaa 420

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ttaacagatt tcatgagcaa aagctacgtc aaaaacttgt atcaaaaaag gcctttcccc 180

tggtttgatc tgactactgt gcaactcaag gaaantcctn ntagccagna natntcancc 240

antccttntn ttcaggacca cattantntt ttntactgtg aagtatttgg cctcaccata 300

agcgaagaag aattgcctta tatttccaca gttatccggc ccctagtaga ggagaaatga 360

cagagagcca tgagttctgc ttgatacccg agtgaagaat aaaataggag atcntcctct 420

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ccatcaccaa atttaactgt gacacagaag gactaanttc agagagttga cntntgaact 180

tcccnantna tgctgtgggt tttgtgtncc nacactcaca cacatagntg cctacttcag 240

tcaatgncag tgtgctttta gagctaacat cttgctacat ttgagaaggt ttcttttgtt 300

tgctgccttg aantnttcaa gctntcttat ggaagactga agaatatttt catacagaaa 360

ttcaagaata agcttcagtt attaaacaat gagtatntga aaatcagaat atgatttgaa 420

ttagttactt tntcntatgc cttttacagt tntgtgtttg ttggcctctg ccacaatcat 480

tntcatcagg tctgaccata agcacattca ccattatttt acttag 526

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tgctgggcag gccgctgttc ctttcagctc actttcacag atggtagtct cagctgtgac 180

aggacctctg ccatccaagt gatgggtaag caggcaaaca gaaagagcag catgtcctgc 240

gtgatacaga caaccaaggn ttctccagag gatgtgcagt cagtg 285

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aatatttgtt gngganttcc nntgatgang gagagaatgg aagnnaaaca aaggagacaa 180

tgtccgaagt gctaagacnc ccgaggannt nngnannncn nnnnnnnnnn nnngnnaacn 240

nncannnnnn nngngnngnc ntnnnnnnan nnngannnna cggattgctc catccacaac 300

ccgancaggg gtngccttca gaanntntcc ntantntcnt actccatntc ctgatggtgc 360

aanaccnnnt cactggcagg gatccatgga ccctgacaca cagagacagt tntgaatgaa 420

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tactatgtgt cagtggagat ccccactgac acacctanta tgtntcaatg gagatcccca 180

catcaatagc tntcctaaat atatttcctt gccatatttc aagatggtta ttntgagaaa 240

cggcccacaa aaatatgtgc tgaagacgtt gtttccatca atctgcatca gcnggnnnaa 300

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cctgaccagc attaactact ttgaccactc agtacctncn tnnnaaannt nnanaactac 240

ttattctact ggcatattca ctcgatacgt gtttccagat gactccatac tcactttaag 300

aaaatgcaga ctccagcacc acaatgaagc gcatgaaaaa cgcacgntcc aacntnttcc 360

ccattcanta tttcttggca acagatgttc tgagaacaca ggatggcccc acagaaaaga 420

cagaggacag gatgctttcg ctcatcatct gcagaccgtg gacacntcaa caggggaaga 480

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cccgtagccc ctgctgccct acttgctaat cctagtaaaa gaacgatatt tctagcaaag 180

tccaagcgtg ttcatgaaga ctatctccct atccgagatg ctcggtggcc tgtatcttac 240

gctgcgactc attctcagnt ntctgagaga gtncaggagt tagctaatcc acacacaagg 300

gntccagcga acnttntatn ctacgaccca aanntcttta aagtcaancn ttntgcttta 360

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tggcaatgta ntatcagact actcgccgcc taccccaccg ccagaaactg gtntacaccg 180

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aatttgactg aaatgtaatt tggtctccta acgggcccct aggnaccata cggtagagat 180

gaaccaagcc tggacttcct ctgctacttg tgatagtgtg ggagactggg tgatggatag 240

ataggatttc tactgttttc atgatttttc tataaatcta aaattatcct caaacggagt 300

ttgttaaaaa ttaaaggctt agtcaaacat tcatnaacta aatgaagaag caatgnaaat 360

natttctcaa catgnatgaa atattatttn agaggcagaa atgaattact ggtatcattn 420

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nntnnnnnnc nnnnnnnnnn nnnntncagt gntaagccag ntattntgat acagttacca 180

catcttacnc agcacatctt tagggattaa tataccctct tagcttttgc ctcccggaat 240

tccattattc ccattgcatt cgtgggtctt gtttcaatgg caacagctct cattttaaat 300

gctgatntac agagaagagg acacaaagag atattaagag attctagggc ctccancgac 360

cagtttggtg tcaatagtnt gtanttaggg acatgttgat gttcatggtc tgtnttncca 420

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agattgccat tggagtaaaa cctacccaga tgaatctttt tccattggca agccaacatt 240

aagagagtgg agttaaaatg ttttcaggaa atagcacact ggatgactcc cttnnaaagn 300

anatnacntc agattntcan accaatnatc ngcggtaaca natgtaacac acctagcacc 360

aagaagtnng tataggtnaa nnatatntta ttcctactga gaaagttaac tttttccttt 420

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ctgggcagtt tcttcgtgcc aaagagcaag aggtatgcag attacaggaa caattagaaa 180

ctacagttca gaaactcgaa gaaagtaaac aacttttgaa aaataatgaa aaattaatca 240

cgtggctaaa caaagagcta aatgaaaatc agctggtaag aaaacaggac acattgggaa 300

cctctgccac cccacattct actagcaaca gcaccatcag aagtgggctc tctcccaatc 360

tgaatgtggt tgatagacta aattacccaa gctgtggaat tggctatcct ntntcntctg 420

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attgacatca tgattgaggt tattgaacga ttgacccggg tggaagatgc tctgatcaag 180

gagttggcag agaaaacccg caaacttttt aaagaaatag ccaatcgaat gtcctcttca 240

accatcaaac aaaccttccg gaaatgggtt aagatgntcc gaaccaaana actgaagctc 300

atntatgatg tgnccantat nagaaccctc gaagggaacg aaatagaaat cattaaagat 360

agtctgatag agtccaattt agagaagtct gaaaagccat acagagtcac taaggaaaat 420

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ctttcagttg ccgatcttcc ttacaagcac atcgtagaac tcacagtagg gaaaagccgt 180

ttgtctgtca cacatgtggg aagggcttcc tgcacaagtc acagttgtca tctcaccaac 240

aaactcacac tggtgagaac ccttaggagc gctgtgcgtg ttgtgtgcag ttgtttgctc 300

atacgtatca gctgaaggga catcatccga ttgaagcaga agaaaatgac cttgactgag 360

agagttctca acagctgaag gctctcgtct ttcattctgt gcagagaaac ctgaggtggg 420

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gtgcctgact ggttctggct atcttttnnn nnnnnnnnnn nnngnnnnnn anannnannn 180

nnnttnnnnn nntncagatc acagaaggac ttggaaagat caaaacctgt tgtccagcat 240

ttgggaacac ttgggactct ggaaaggtgg ccactgaaaa gcaccacagg ntcttaatgg 300

ctccccggaa tcttcttagc actgagaagc tcnagctatg gacactcctt tcagacaggc 360

ttgngactgt gatgtnatgn atnttctgcc tnnagatcct natctcagtt ttgagtgcag 420

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ccgaagtcaa gtgtgtgttt tgnggcttca cctccaaaga tctgccacag tgaagactag 180

tggcaaggat gagcccttct ttcatcatgg aaacaccaag gtatcagccc aagatcatga 240

ggagaccctt ctactctgtg gtgcatgatg ctgctgagcc atgatcttca gtagaatatg 300

tgtattatgt gtattttgga cttaagatat tttcaattta tgatgagttc ctcagaatgc 360

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atttgntgca ttgcttttgc aatgcagtcc ttagagccac ccctcgatat cgcattcggg 180

gcagatgggg aaatctttaa cgattgcaag taccgccgca gctatgactc ggactttact 240

gctcccttgg tcttttatca cgtgtggcct gctctcatgg agaatgactg tgtcattatg 300

aagggagaag ctgtcaccaa anagaggggc tttttggagt tccntgcgac cagtaatgcg 360

gtnccgtagc aggagcttaa gccccatttn tcctcgtaat cattttggaa taagcacggt 420

atctcgaant cgaagccctt ntccaataag atgtacattc gcaaggtact gaatccacca 480

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ttgtttggaa ccaaacacat tacccagtaa tacagtctgt aaggttacag attcagaggc 180

tatgaatttg aatgtgaccc aaaagtcagt taaaagtcga agtaaaagaa tatcttctgt 240

gaaccatacc cctttaaact cttcagaaaa agcaggtaga aagactaatt tgccatcaac 300

ttgtgttgag tttgcttctg aaagtaacac tgatgacgtt atgttgattt ctgtgaannn 360

ttntaatttg acaacttcaa ttacatcaga gcaaacagaa attagaaaaa atanntcaag 420

aaatttgagc aantcacnta atagcangat taaanttggg cccgtanana anaaanttga 480

ntttgttatt gacttgacaa gagaaggccc gtccaactac agcatagg 528

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aaagtgcttg tcaagtacca aagcatccag aagagactgc tggatacatt tttgcaagac 180

tcctttcctt cgtgcaacag agaatcagat ttagaaagaa ttgtgtgtgg ataccaaagt 240

actatgctca tgttatattc aatgataaaa gaggatttta atgtactatg tgaaatttta 300

gctccntcnt cactggtgca gttntttant gaaacttacc tggatacggt tacagaagaa 360

atgacaaaaa ttnttgaata tttttgtgag ctgcagttca aagaaaatgn tgttcctgta 420

gttaaaacaa gcaagagntg caacaagcgc agaggagcag tgcatgcttt gggttagtga 480

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tgagcttgcc tgctgaacct ttggactgcc agaccaccac taagacgtgc tttgtggcgc 120

atccacctat cattactgaa aactacnagc ccccctgggt tngcnttngg agaaanatcc 180

ccgtagaggg ccagactact tattccatca actttactcc caaggatttg ggcaagtgcc 240

cagcatcata catggancct ccgggctata tnttcgagga agtggattct atggggcaca 300

agatctatag gtcaatttcc cagacaggtt ctaggcagaa 340

<210> 7593
<211> 456
<212> DNA
<213> Mus musculus

<220>
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<222> (201)..(201)
<223> n is a, c, g, or t

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tggactatac gaggagttct aacaactgac aaaagacggc ggcattcctc cggaacttgt 120

gaagctctag tttctgtcta ggaaaatgac tcatttccct ttcctccagc aaaagtgact 180

tatggctctc caattaacat ntcagcacaa ggtgcaagcc cggcagcctc cagactccct 240

cagtccctac aagcacttat acatttcaaa gcctgctcac cagtcccctg gcccttccca 300

cccgcccacc gattactcat tcttcttgtt cactcttctc cgctcctgct gctgcttttc 360

tcaataagct tcccctattt tctatcagtg gccattttcc cgtttcttgt agacagtcct 420

ggcaaagccc agtctgctac acatggtcaa tctact 456

<210> 7594
<211> 411
<212> DNA
<213> Mus musculus

<400> 7594
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ctctgagcgc gttacagaag accttcactc tgatcgagtt gtacataagc aacaactaca 120

tagctgtgaa ccaggagatc tacaacttaa agggtttatg caacttggtc attctagaca 180

tgtatggaaa cattattata tggaaccaag aaaactaccg gttctttgta atatttcatc 240

ttccagaact gaaagccttg gatggagtct caattgagac atcagagaca gagactgcaa 300

aagatttgtt tggtggacgg cttacctctg acatgattgc cgaacgacaa ggacactcaa 360

actttatcca aatgcaagag ctaaactgga cttcatcagc catcaggacc g 411

<210> 7595
<211> 327
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cacattgttg cgtgccttgt aattccccca gagacgtcct cctcagagtg aagcttccnc 120

agtggcttct ccagaccccc ngcgccagga gtggtntncc cggtanttca cattctgact 180

gaattttgct ggcacagctc tgtgtggact gttccaagag catgactgca taggaatcat 240

tatgtggaca gnccnttcta tgtnnaacac tgtgaatgag aangtgtttn tctntccgat 300

ttgaaaatgc actgtattcc ctgtgat 327

<210> 7596
<211> 329
<212> DNA
<213> Mus musculus

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ctgagctggg accattgttt cgggactcag ctaaaccacg tggggctaga ggagcccaag 120

aaactagggg tagaagacaa gcccatagag aagatactac acaacactcc ttggcctttc 180

ttcagctctt ccattccttg gccagagcct gttcccagtc ttcccaaact gcactgccca 240

catccctctt tactgaaggt cggtaccagc aagaactgga ggaactgaag gccttgggtt 300

ttgctaaccg tgatgcaaac ctgcaggcc 329

<210> 7597
<211> 322
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (39)..(39)
<223> n is a, c, g, or t

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<222> (44)..(44)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (270)..(270)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttccaatatt tncaaaanga gagcaagaca cgcaggancn ttgagctgga ccctttggag 120

tggaagcagt acagtntgac atcagaggag attcctctgc anctgaatgg gagtgactgt 180

ggaatgttta cctgtaaata tgcagattac atcnctaggg accancctgt gacctttttct 240

cagcaacaca tgcccacctt caggaanagn atggtntggg aaatcctnca cagtcantta 300

ctgtaacaac atccacctgg tt 322

<210> 7598
<211> 512
<212> DNA
<213> Mus musculus

<220>
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<222> (401)..(404)
<223> n is a, c, g, or t

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<222> (411)..(411)
<223> n is a, c, g, or t

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<222> (420)..(420)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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actactgcaa cccagagctg aatcaggagg aggacgggga cagggagccc gaggtagagc 120

ctgaggccga gttagcactg gttcccgagg agccgggcgt ggaacagctg cagctgcaga 180

ccttgctgcc cgtggcaggt gagctgggct taggccttgc tttaccctgc cctaatccgt 240

tagtgccact gacccataat cttcctcctc tggtagagga ggttggagag gagcctgggg 300

gtctgtctag tctgagggtg agtggcagcc tcaaggctga ggtggataag acgacgcaag 360

tggatatcga caagatgttg agtgtctgtg ctgcccctct nnnnccccct ntatcccctn 420

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aagtccatcg gcctaagcca tcaggtggag ga 512

<210> 7599
<211> 521
<212> DNA
<213> Mus musculus

<400> 7599
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ggccgtctgg aaactttgaa ggccctggtg gaactggatg ttgacataga ggctttgaac 120

ttccggggag agaaagctcg ggatgttgct gctcgttatt ctcaggttga atgtgttaat 180

tttctggact gggcagatgc aaggctgatt ctgaaaaaaa ttattacaaa gtcctccctc 240

atcattactg acccagaaaa gggaccgggg aaactcttca aggaagacaa gagcaccatc 300

ctcaatgcgt gccgtctgaa aaacgagtgg ttggaaagcc atccagaggc ttccattagt 360

gagatttttg agcagaaaca acaattggaa gatatcgtct cccccatcct agcaaaaatg 420

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gaagagtgcc aaatcgataa cctaagccgt ggtcaccaga g 521

<210> 7600
<211> 400
<212> DNA
<213> Mus musculus

<220>
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<222> (221)..(221)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cttaaatcag cagtctgaag aacttcagct aactaattac attaccatac aatctgctac 120

atagggattt gtcattattg tcaccagaaa aattcatttg gttgcttttt cattgatttt 180

aacatgattt aggatgtttt caatctaggg cttcaatatt nttntggnac atataagtaa 240

gaaaggacta taaataattt gctgtgtcct gtgagacaca tgtttatttg naaaagtaat 300

atttatagat atatgtgtag attcattttn tcttgtttct ttcttcctaa ctgtacatta 360

ttatttttat aaattttccg tgttccttgt attttctgta 400

<210> 7601
<211> 264
<212> DNA
<213> Mus musculus

<400> 7601
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ggaaaattac aaaatcattc tacaaaattg taaagagttt gagccaaagt cggtaacagg 120

ttttctgctt agtcttgggt gtccttattc ttcaaaacca tactccaaaa aaggagacct 180

actaaaattt ctcttgtaaa gattgttacc agaagtaact tattttctac tgtgttgcca 240

agggcactca ttggctgtaa gtct 264

<210> 7602
<211> 408
<212> DNA
<213> Mus musculus

<400> 7602
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tatcctaggg ctgggggcac taggagtgac aattcgaacc atcttctcaa cggctggcct 120

agccctgctg ctcctgttgc tgaccagctt ccttgttttt gacctgctct atgggcccac 180

aggtgccaac ctgccacgac acagacttct cccaatgggt cagagccagg gggctggtga 240

aggcccagga cagcaagcag ctcccctctc tccaacaaag atggcctcgg gactgctcag 300

cctgcaggat gcgctgctcc tgctgttcct gggcctgcgc ctgttcttgg gaggctctgg 360

tataccctta gccatgctgg gcctagcttt ctgtatccat ccttgggc 408

<210> 7603
<211> 428
<212> DNA
<213> Mus musculus

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<222> (215)..(215)
<223> n is a, c, g, or t

<220>
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<222> (232)..(233)
<223> n is a, c, g, or t

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<222> (355)..(355)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaatggcagt ctgggaacta accctaagct ttctgaccta ggatagaata ggaaaaggca 120

atgtgggaca atctaatcca ctcacctaag gtccagcatc tacctgagga tcagggatgc 180

ttgctgggct gaggaactat tgggatggga tgggnagtca gaacctgggg tnnagacacc 240

tgtctgcaga cagccttgcc tagcccactg aggtaggacc cagggaatca gctcaccaga 300

cactggccct actcccctgg agccttgacc tgaagagtca actgggtttg gtaanttntg 360

ttntgagaac ccacgcccaa agccttccca ccctagcccc tgcccaatga tggttccctc 420

agcactgt 428

<210> 7604
<211> 312
<212> DNA
<213> Mus musculus

<400> 7604
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caattgtcat ctaccagaca ctggtgtacc caagagctgc caaggtttac tggacgtgcc 120

caacagaaga cgtggactcc tttgagatgg aattctatga gctcgttacc acccctccta 180

ataatgtgcg cacagagctc tgtggacaaa ttcgcgacat cctgcagcag aacctggagc 240

tacacaacct gacccccaac actgagtatt tgttcaagat tagagccatc aatgataatg 300

gtcccgggca gt 312

<210> 7605
<211> 440
<212> DNA
<213> Mus musculus

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<222> (361)..(361)
<223> n is a, c, g, or t

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<222> (372)..(372)
<223> n is a, c, g, or t

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<222> (374)..(374)
<223> n is a, c, g, or t

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<222> (378)..(378)
<223> n is a, c, g, or t

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<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
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<222> (414)..(414)
<223> n is a, c, g, or t

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ttatttatac agctgaagaa aactttgtga ttggacaggc caaggtgatc cgccagagtg 120

cagtcgacaa ggtgacagtt attggagcag gggttactct gcatgaagcc ttagtagctg 180

ctgaggagct ttctcaacaa gggatttta ttcgtgtcat tgacctgttc actatcaaac 240

ctctggatgc tgtcaccatt atccaaagtg ccaaagccac aggtggccag atcatcactg 300

tggaagatca ctaccgagaa ggtggcattg gtgaagctgt gtgtgcagcc atctctagag 360

ngcctgacat antngttngt caacttgcan taacagaagt acctcgaanc gggnaaccta 420

gcgagctact ggatatgttt 440

<210> 7606
<211> 445
<212> DNA
<213> Mus musculus

<400> 7606

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aggaaaatcc ctgtgtccga aggagatgct ctatgccaac attaagactg ctgggggaaa 120

ggagagagga ctgactatct tccatgggaa acctagaaga acccagactc ttccagaagg 180

agtgggatgg aatcaccaca ctgcgctcct gggagctggg acccttgtag gagtctctgg 240

agaggccatg agaaatcagg attcctccag gctccatgct ttccagaggc accatctaaa 300

tgttatcccg aatgtcctcg gtccccacct cccaactgta gcagctgaag gtccgtggtt 360

tcctgtaatt ggtctccact gctcaggcca tttgaaggag gcacctcagg gctcagatgt 420

ggagggaact accttcaaaa tacag 445

<210> 7607
<211> 283
<212> DNA
<213> Mus musculus

<400> 7607
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tgaagaaaat gccatccact gccttgatca atccatccta tgggcagaaa aacaaaacaa 120

aacaaaacaa aacaaaacaa aacaaaacaa aaccttgaca ctattactga agccatgttg 180

tgctcagaaa gagcctgaca tgactgtcct ctgacagact ctatcaggag cttattgaca 240

ctgttgcaga tatgtagagt caaccattga gctgaagtcc agg 283

<210> 7608
<211> 332
<212> DNA
<213> Mus musculus

<400> 7608
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aagagtacag agagatccag ccgcctggac tgaaaaacta cgagattctt ggcctttcta 120

ttagaagaca gccattcgga ctcgctaacc cacaacctgt cttccaactc ttggaaagag 180

aattccactc ctcaacaaag cggtctgtca atgcctctcg aagctcactc agctttatct 240

ttacatgaaa ccacccttt gaggttgagt gttggaatta agtgtgcacc agctgttaca 300

aagatgttgg actgctccat caggtggcaa ac 332

<210> 7609
<211> 310
<212> DNA
<213> Mus musculus

<400> 7609
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tcaaggaaag acacagcatg gagggagcct ggcaaagagt aattccatct cattctggag 120

aacattttcc cattatgcca agatttgaca attcttcaat tcaaggaaac tttggaattc 180

ctgaggataa ttctgcacgt cccagaggca atatgagaat tcagagcaat gtcaatacta 240

tccccatggt taatgttgga attcccatag ataatcctca agttcttaaa ggcaatactg 300

gagttcccag 310

<210> 7610
<211> 344
<212> DNA
<213> Mus musculus

<400> 7610
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aatcaaagtc cccgttttgt acctagatga cgaatcacag tctccgtcta tagaggaagt 120

caccacagaa ttcctcacca tgactcacaa actggcactc caactttaca agacagtgaa 180

attgggcgcg aaaggtccag gtgacaactt acaccaactt gcccctgaac tcattcttcc 240

agaacaaatt atcaagtatt tatgcaaagc tgaagaattc atggacccag cgtctttctt 300

gagcatgtat aacagaccca tacacgttac cctggattcc gata 344

<210> 7611
<211> 514
<212> DNA
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<222> (394)..(394)
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<220>
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<223> n is a, c, g, or t

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ggaaacccgc tcttcctgaa gaggccattt tttgctgtac aacctaaaga cctctggact 120

ctacgggaaa tagcagcaag atttgtcctc tctctgttag aagaaaacga ccctttgatt 180

atgaatgtca tagagagtta cccagaggtc aaggacaaac tctccaaagc aaaaaagtgt 240

tcaatatgca ggaaaccttt tttaactgag tggctggagt gcgtttactt tgtggctcca 300

tcgaagaact ggaagataag cagaaaccta aagctgattc ctgtccagan atcantctgt 360

tccnatcaat gctttgacca gcgtnatcct gatntntttg gaattgctca agagtagagc 420

aggaagaaga gctntcctgt tggtccatnt ctgaaggaga agacattcag aaaatcttgt 480

gatgtctgta ggtgctcgct ggacattcag ggaa 514

<210> 7612
<211> 362
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (304)..(304)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
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<222> (324)..(324)
<223> n is a, c, g, or t

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tgctatttgg ccccagattt ccaaaaggaa caggcccgcc cagatgagga gtgcaagcaa 120

tccctgaagc ttcctgatgg acggactgtc actctgggaa aggagttatt ccagtgccca 180

gagctcctat tccatccccc ggagattcca ggattgtcgc ccancggcct cccagccatg 240

gctgaacaga gcctcctcaa ggtgcctcag gagctacggc ctcatgtggc ccggaatgtg 300

ntantatgcg gaggntcntc antnttcacc ggcctggagg gtcgcttcag ggcagagcta 360

ct 362

<210> 7613
<211> 555
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aacaaaccac ttccttcagc tgggaatcat attcaaacag ttccacagcc tcccaaaaca 120

gtgccaccag cttgagacta agttcccaaa ctaatgagcc atcctttgaa tcatactcaa 180

agcatgacat gtgtgaacca gtctttacac attcatatac tggatgcaga cacatctaat 240

atatacatac aggtgaggtg gttctataca attttattgg actagaaaat ctgcagccta 300

gtgactgntt gaagaacnat acactacttn tntgtggtaa tgctatgatc aaaaatcaaa 360

gtnctgntgg ggactgaaga gatgggggtn anatnccaag acccntcaag ttataatttt 420

cctgatttca aaatggagtg aacagacnnn tcaantcntg ctcactccng cagctcantc 480

ctgcctncct tgtgttcaga acacttaaac taatcacact gaggcaaagc catgccaccc 540

aaagcctaat ttata 555

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aagtcatgtg agagaacaca cagtaatgca tggggaagaa acttagatgc acagtatgac 180

attcttaatt tttggaactt tccaagtggt cttggattaa aggtgaaagt aggaacctat 240

tctctaagtg cgcagaatgg tctacagttc tctatatgtg aacagatgat acagtggcct 300

acagggttta caaagattcc tcagtcngtg tgcagtgaga gctntaggcn tggattcagg 360

aaagntgccc aggaaggcaa ggctntntnc tgctttgact gtactccctg tgcagacaat 420

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aagccaggtc tcccagagga ttgcatcctg gctccacgga gcttttgaaa tgcaagtgtc 180

ctgcatggca gcagtgccag gcgacagcct gtggaagttg tggatgcacc tcaccctgac 240

accagtgaat gccagatatg gggaaagttt ggactgaata gtagttgctg caccccccga 300

cgcngccant gtagatattc ataagcttng tnnccatcct gttagctttt acatcattcc 360

atacatcaat ttcctttatn tctgcttcta gtnatctgcc caattagctc ctagctnntt 420

gagcnttnna taatgaacat tatnnancaa ntcagacaga gactgccagn tgcgtttccc 480

cctttccaga ggagaggaca gnatntntct tatccacata cctttgtatn tagtgagact 540

ntcacctacg atggaggacc ttgctt 566

<210> 7616
<211> 505
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aagactcgtt gaatccatat cccaatttca actttaacat ctctcaccaa ggggactatg 120

cagttcttgc tgcagaacct gaggcactga aagaaagctt cataaaagcc attggagttg 180

gattgggatt tgaaatgcag cggcttgaat ttgatgtatc tccattaaac atggacattg 240

gtcaggttta taaggaaacc tgtttgattt tggatgggga agaagaaaaa gaatgggcct 300

ttgaggaaag caaaatagat gaacaccatt ttgttgcagt ggctgttagg aagcctgatg 360

gatctagaca tcaaaatgtt tcatatcaag ntgattntaa gctatcccag aggaagttta 420

ccattcttaa ttttaatgat ttggtagcnt ctgctattcc tatgacacct gaggatcctt 480

cattttggga ctgtttttgc ttcac 505

<210> 7617
<211> 283
<212> DNA
<213> Mus musculus

<400> 7617
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aacatcttca cagaggaaaa tgctaatgga caatgtcaca gacagttact cagagcttga 120

aaggagccaa gtggtcttca gtgggtaaat gtgcatattg tgtcatgagc aaaatgggct 180

ggtatagcat cgagactgtt ggggtactca tgttcaactg tgttgataaa tttcaaatga 240

attaggctag aagctgaacc tgcctaaaag gttacacgtt atg 283

<210> 7618
<211> 548
<212> DNA
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agaattcaga ttctttgtgg gagnnggatc tctctgaagg caggaanttc gttgtacaag 120

acagcagccc cagnaggtga agncctctga tctcttgcaa catgttttgg ggattccaaa 180

ncagccccag tcttcaaaaa tgtcacagcc tcgnactgac tccccattcc cacttcccat 240

ctttcaggag gtgccctttg ccctgtccct ctgccacctg cctcccatgt tgaaccactc 300

tgtctcctac cctttggcca accgccctga aaggaatntt cctttctgtt ccctncnaan 360

antnncccac ggnacaaant gctntaatgn caagcctttn gcttnagagc tgtagtntcn 420

tnttagtgag gntgggagct gcaagtacca aaggntccct ttggtagaaa acagagataa 480

ccacnaagga gttggtactg acnaaggaga ccacagccan cctggtgaga ggtttaaagc 540

cacagatt 548

<210> 7619
<211> 269
<212> DNA
<213> Mus musculus

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cgggagcttc aggccaagct gtatttagaa agacatcgga tcatggaatt gctgaatcaa 120

cttactagct tcctcctctt tgcccgacca aaaaaaccaa gagagtattt aatctctctt 180

ttggaacgtc tgagagttgc caaggcaaca cacgtggcat ttccctactt tatggacaac 240

tctaacactg tgtccatgtt tgagatgat 269

<210> 7620
<211> 393
<212> DNA
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<223> n is a, c, g, or t

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gtcaaggaaa ctaagaaacc agtgtttatg aacatattca atcaagccac tgtgaaaaag 120

ccactccccc caagagctca gactcccttg gttaaggtga agaaagaaag aaaaccacaa 180

agattatgcc tttaccatcg cgtaaatgag aagcctaacc aggatntaca gtannatntt 240

gacaagagcg aggacagcag taccngcagc accacaagct atgagntgga cagccanngn 300

nnnnggnngn aggacagaga cctnagaaac acntatcagc atccagaggt ntccaccctg 360

accagtntgc aactgtgaag acagcaactt tgc 393

<210> 7621
<211> 560
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttcgtacct catgttttta tccagcactc ttattgtact gtgtactagt ctgtgaacaa 120

tgtcaaataa aaaagaacga acaggtcgta tggtggagct gagctagtgt acaatgcacc 180

agttgtacag aaacaaaaat gaagtgancc atcttttgtt catttaaaat ggtgttttga 240

atttcatatg cagaaaacgt tttgttacat tgcagatttt aatgtattta ataaatgcaa 300

catgcagatt aagtgcagtg tatactgagt atttaaatta aaatgtacat ttcataaata 360

cagtttcaag agaaagcatc attttgtgta tactaacaca ttaagtgtat gtcagaaatt 420

gatgtaaaat atatatttta acacattttc tgaaattaaa ntacagtttt gttcaaatat 480

ttggctctat atgtgttcag aatttgacta gatttgtatt ttcacagttc aaaatattcc 540

ttaagtgaac acccatgatg 560

<210> 7622
<211> 502
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (475)..(475)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aggtgctgan gggtggaaaa agacgattgt atggcttgtg cagatggact gaaaggagta 120

gacgggaaag gtgaaaagag acactttgag ctggccagtc acgtgaaggt caccaacgta 180

ctgcctttcc cacccactgc ggcccagacc cacctgctgt cagccgagtc ccaaaggtgc 240

tgcctgcact ggtccctcct gccccagaaa agcactgtgt tcccacctaa ccccagcgac 300

atccactacc ttgccaccct gcaggttttg gggcaacagg gaaagcaaag ctgcagaact 360

aggntcaaaa ccaaggacac aaaacntccc aggaccactg ccaagcatat tatcacagag 420

gccaagcagc aaaacaggcc ccacgtgcta gaaagcaaan tnttccctaa acntntnttg 480

ccatccctca cagtgagcag ag 502

<210> 7623
<211> 494
<212> DNA
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gaagaactaa agagctacgg gatccaagac gtgtttgttt tctgcaccag aggggagctg 120

tcaaaatata gagtcccaaa ccttctggac ctctaccaac aatatggaat tgtcacccat 180

catcatccga tcccagatgg agggactccc gacattggca gctgctggga aatcatggag 240

gagctggcca cctgcctcaa aaacaaccgg aaaaccctga tacattgtta cggaggactt 300

ggaagatcct gtcttgnngc tncttntctc ctcnnnnnnn ngncnnnnnn nnnnnnnnnn 360

nngnnagnnn tngnnnnnag gaaggaagna ntnatgaact tcctgcttcc acanttcaag 420

ggtantactg gccacaagca gagctgcgag tgtttagagt agagacattt ctcctttcct 480

cctgtggcat tgct 494

<210> 7624
<211> 490

<212> DNA
<213> Mus musculus

<400> 7624
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cagatgtgtg gaactacccc tggatctata gctctttgtc accgtcttct ttctaccttc 120

tgagagaccc cgaaaccctt gccatggaaa agtaccacgt tttggagatg attggagaag 180

gctcttttgg gagagtgtat aagggccgaa aaaaatacag tgctcaggtg gtggccttga 240

agttcatccc caaactgggg cgctcagaga aagagctgag gaatctgcaa cgagagattg 300

aaatcatgcg gggtctgtgg catcccaaca ttgtgcatat gctcgacagc tttgagactg 360

acaaagaggt ggtggtggtg acagactacg ctgaaggaga actctttcag attctggaag 420

atgatggaaa acttcctgaa gaccaggttc aggccatcgc tgcccagttg gtgtcagctc 480

tgtactacct 490

<210> 7625
<211> 465
<212> DNA
<213> Mus musculus

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gatcttaaaa tntcgttntc tgaaantcat ctttaaaaag aatgagaaga aatgttgctg 120

aagctntaca ccntctacag gatgatgata acttacagaa taaaaactct aacatttacn 180

gagagtgctt acaactcatg gggtactgtg gtggttcgaa tgagcatggc cctctaggct 240

cacatatttg aatgcttggt ccctagttag tggaactgtt tgagaaggat tagagggtgt 300

gtctttgttg gagaaggtat ttcagtagag ttggaattag agacttcaaa agcccaagca 360

aggcccagtc tctctctccc tctccctctc cctccctctc tctctctctc tctctctctc 420

tctctttctc tctctctctc tccctgccta ttgcctgcag atcaa 465

<210> 7626
<211> 521
<212> DNA
<213> Mus musculus

<400> 7626
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tgaaatctcc aaatacctca ccctaagttc aatcaaggac cacccgtggc acatccagtc 180

gtgctgtgcg ctcacaggag aagggttgtg ccaaggtcta gagtggatga cctccaggat 240

tggtgtgaga taatttttt gcttgaaaaa gacttctcta tttattcggt gatatgaaca 300

tttttcctaa tacctttggc tgctgaggca gcagcatgtt taatttatga caacacaaac 360

ctccaagtga cgcttgaatc aagtgccact gtactggaac ataaagatgt tttcttacct 420

tcgtttccca tgtactaatc tcggtcggac gagcataacg tgtcactatg ttgtagaagc 480

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taggggaccc tcttgggaca cagctgctcc ctgggttggg gcagctatag gcaactcagg 180

taaaagacct gagaagcaga ttgggtggca gactttctac cacgcanncc ctggcgntct 240

ntccanntnt cctgtttcta acagcctgga cctcaggggc tgggaccctc agtntagacc 300

ccacgcagcc agctcaagca tagttaaacc tttgttgtgg tgttgacaac tgcatccggg 360

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ccggctttgg nngttttccc gctcttgatt ggtaattnga ngtgctcggt tnttcntgat 180

agnttantnt tntttcttta cganncaaaa accntatttc aaaacctgaa gattcngcgg 240

tttcccagnt ctngctaggg gaaccgtgta anttntacgg cccacagcca atcntntttt 300

tcttggcgnt ntantcggtt ttntcctaac atatgcgggt gcggtagcct agctttagcc 360

atctntctga gaacaattaa agcgcttgga agattgcnaa aangcagcgt tttaaaaaca 420

atcgtttttg ctgggtagta aagcgtgttt tacagtaatg gcgaggntca ccnaggggtt 480

taaggtattt atcttgctca tgacgttgat tcgttat   517

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tggtcttcct ggcagaatct tttagtcaca tcacctcagc cctaccagct tcaggcttcc 180

tgagaatttc cacctacata cccctggact tgtctggatt tgtcccggat cctctctttc 240

tacttccagg aggaacacac actctggaat gggtctcact gccaggacga tagctaggga 300

tctcacctca ctcacctctc agaaatggga aagaggccaa tcatgatagt gtgtgtgtgt 360

gtgtgtgtgt gtgtgtgtgt gtgtggaccc aaggctttgt gcataagcat acactccacc 420

ntacacactc ttatttttt nttaagaatc tccaggtctg ttacaaaaaa aatcaaagtc 480

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ggccgtctgt ggctcccacg tctccctggc ctggctnngc ccttttnatt ctcnagnanc 180

attacaangt ngagtgagca ccatgatatg gcctaaantc attnatgggt gtccaganca 240

nagcacngca cacacaaacn tgnacacgcc agntccctga aggaaaccaa catggcagaa 300

tacaaagtaa tatacntcaa attttcttgt gcaacaaaac agcaaaggaa agccaggtgt 360

tggaggaacc ccgaggaaat tgggctccct gtgccggact gtagntntac catgctgtca 420

gatggaaagc aatgaaatgc atccctatga ccacctgtcc tgagttggtg ctcacacttg 480

tttaattcca actgcacatt ttaaagtaat tgtaagatga tgccctgcct tttaccgtga 540

gcttgaaga 549

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caacatccaa attttgccaa acattctcag atatcacttt tcaaatgcag aaaactacgt 120

cggtctatta gtgccagtga cctgagtttc aaaagtcatg gtaatgacga tctctctgaa 180

gaattgctac aggacttaaa aaaaatgcaa tttgagcaga cttcagcgat agaaagtggt 240

cataaagacc tacctttaac ccattcagag tcatttaaac ctctcccgta taacctagaa 300

gatgatagtt ctgaaagtaa tgacttcagt actcttagtg gaatgctgag atacataaac 360

aaagaagtga gactgctgaa aaaatcttct ctgcaaacag ctactggttt aagtcaggga 420

ggaaaattgt aattaaaaga agatgtctat gtcatgaaaa atggaattgt tggtactgtg 480

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gtttgctggc cgtcgccttc canaccttcc tctcgggaag agcagcttca ttccagcgag 180

aaatgancaa tcctctgaaa aagatgnggg aggaananct cctggatctt ctggagcagt 240

gcgaaatcga tgangaaaag ctgatgggga aaaccggncg ggtccgagga ncgaagcccc 300

tgtgctgcat gccagagtgt gcagaggtca cgaagaagca gaagtattac ggtagcagtg 360

acagcagcta cgacagcagc agcagcagca gcaattcaga gntggatgag aacgnaaang 420

agctgtgtca gaagagacta gaccaagtcc catatancct taagcacacc agtcactgca 480

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tgtntnttaa ncctncctg gtttatgact gtctgttctt taaaaactat aaaatgtcat 180

gaaaccactt ccgtgttata aaagaaattt ggcataactg tgttccttgt nccatggaca 240

ttcaaatgtg gctccacnat aaactctctt attcccttta atgtgagaac tctgttttta 300

gcaccccccc catgcactaa aaatctaagt ctttgagttg ggaactgccc aagaaatatc 360

aaattactct agaaacaaga ctgtagtaaa ctgaataaag aaaatatagg tagatgtgaa 420

aataggaatg ccctttacaa gaaattctgt aattctcaaa tgaagtattt gaaaaccatg 480

tngtctgtgt gattagaata aaaccctact aagtaaacac ctgctagcct caagtttg 538

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tttgagcaag aacttactgg gtatcacttg aaaacctgtc cctgtttcga gggtgagtta 120

cttaagacac cagcttatat atagcctctg tgagtctggc ttctgcataa actttgtaat 180

gtttgtcata atgtttaatg gaacttgtct taaacttgaa tattgccacc tgaagcaata 240

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gaatggcttg actccctaga gtgtctgcct gccataagga t 341

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catggtagat ttttatggcc acaccactgg ttgactttcc atctgatttt cctgttaaga 120

aagaagcttt aacaagcaaa catttaactg tggtgttacc agtaggcctc cttatagcca 180

ccatgtcant ctttggtgtg atcatgtttc tntntgagat aagcgatttg aaantaaagc 240

ntcctgtgaa ggccaatgat gcttccaaaa tgggccttnt agatgcgtga agtgataagt 300

tttggatttc caacatttgt gagaatgttn tttaagaagt ttcctnttcc tacaggaaac 360

tcatgtagtt ctcaantcat tntaaataaa tttgttntat accaagcanc agcagtataa 420

gaaccagatc caagaccagc tgctgctgta catgggacta gcatttctca caatgactcc 480

ttgtgagctc acgggaccta ctggcaacaa agt 513

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gttgccttct gcctttcagc cttcaactcc atccacttct ctcaccatcc gagcacccgg 240

ctcctttatc cngtttaccc cacaaccatc tcacccttcc ccgtccacgc tgtgcattgt 300

aatgtcttca ccattctgtc acctgtagac cacctccttc tgcttcccta caggaaggct 360

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ttgcaactgt gtttgatgaa gaacttggct ttgggtcctg ctagcaggaa gagctcaaac 180

tggcttggca agggcaggca ggcctgaggc catagnttgg ctncagggcc tgggnnggaa 240

ctntgagact ntgcactnaa aaggaacccg gagcnttntn tcccaaagca gctacccacc 300

ttntttgtat ntctaagctc ctgnttggct ggaggtnntn nnnnnnnnan nanannnnnn 360

nnnnttaann annnnnnnna nnnnnagcaa tcttttggca cggancacac tggaacctgn 420

ttctaatacc agatgttgag ctntttaaag ctcgctgccc gtgatgaggg ctattcgagg 480

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caagcatgag accttcgcgg tggttttcca gcctttcttc gatgaaattg aaccaccctt 120

gaaaaggtcc tcgccccagg atcccaccac actcgccctc aggatctgga atagcatgat 180

ggaaccagtg ggtcaaaagg atgggctact caatactgca gagagaaaga caatgaaatg 240

tccctctgag gagagtccct atctgttcac ctacaaaaat agcaactacc aggccagacg 300

actgaaacct ataacaaagc ttcagatgaa agaaggatca gaattcacct gtcctgacaa 360

gaacccctcg aactcaatcc ccacaacagg tacatggctg tcatgttcag tgtgagcttc 420

aattcaactt gagntntgaa cttcaagtca cagcaacttt aaaatnccaa ggattcccaa 480

ggtgtgagct caagatggac gagatggcct aggacagcat tt 522

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tccataggac cgagtggacc cagatccaaa ggctcgaagc tgcaggggag agtttacaga 180

aggagatccg caaaaggaga ttctcctaca agaaaagctg aagaagacag aggagggtct 240

tcgaaggatg cagaaggaaa agaaacaggc cattttccag gaagacagag agctacaaag 300

gatggtacta cctagaagga gggttcgaga tggtgaccat nacannnnac annnaccntg 360

nttgtcccca gagttcaggt ccgaggtatt cagtagaaac aggggagagg atcaaacttg 420

tgatcaggct caggaaaacc ctagtccacg 450

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agcangcctc atgagtcaga ccatctccaa ggctcagatt cagcangtca gcgcacacac 180

atctgaacat ccctctcttc ccacttggtt taacggatga gccgagccat ggagcacttg 240

ccctggagga tgagcctgaa ggtcctggnn tccnngtntn nnnnnntnnn nnncnncnan 300

nantntcann tctngagnct naantcanan cttntnaaga anaaaancan anaattaaaa 360

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aggagcagga tgctgtntcc tttcaagcca gataccgtga gc 462

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caccttaac atgttctcta tgcgttacga gggctgaaac cccatgagtt tatgcttgtg 180

gagtcgagat gaactttcta gagcaagtcc ctcagaacag gcaggcctgg ttcagaacct 240

taccaaagat caaaaggaac cagatgatct ctggaaagca gatnttcntt taccatgaaa 300

tagaaaatcn ttangcaaga atcccatcgg gagnttcgaa acagcacctt ttgtanacgg 360

gaggaaantg gtgcgctgcc tgctgatgnt gagacccgga ctagagctga cacaacatnt 420

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<223> n is a, c, g, or t

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gggacatcaa aggctattac cctggacaac tggcaagact ccattttgat tacagtggga 120

ggaaggctcc aagacccctt atagacttga caattccact caagagcaca actccgtatc 180

agcctcaatt agaccagcaa acgctcattc gaagcatttg ttcaagaaga ttgtcaaggc 240

ctacagactt gtggcataat gaaacatctt accaaagaga ctactccctg ccattttatg 300

agagnggttg ggatcggaaa ttaggcacga tttcattgca tcctagacca gttaattcag 360

taccagaagt ntactgcntg tgntggtgag agaagcagct atgcaagaag cacttttaa 420

aactaaaggc aaattgcttg ggaaatcaag atccaacctt gagaacatgt catctgttga 480

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cctgcattat ttatgaaagc catgtctaat cttaactccg aaaagctatg catatcaaga 120

aaatcagggg ctgctcctta atacaaatgt agtatgcact tgccgctaag ccttaccagg 180

agacgctcat cccttaggta agagtgatgc cccctngaga gggaagacgc ctgcatggag 240

ttcacgtgac tggaatcacc cc 262

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gggttttgtt agcggtggtc gtgcgggcgg gagggcaccg cagnactgtg gggcaggtcc 120

gggttgcgtg actgagccgc ttcgtgcggc gcgggccgag ggatgtccna gncagacgca 180

ctctgttccc aaagcacggc tctaagcact gcttgcaaag aacgcatcgg taagctcagt 240

tctagccatg cgantcctgt gacctttctg agcagaaatt tcaccaaatt tgttcctgtg 300

gtactaagtc tcatagggcg tgtgaggaaa ttttaccatc gcagcagctt gtcctcagac 360

ttccttctga atactttaat ctacagcggt tagcctgcaa ccgttgtgct ttaaccaccc 420

taagaag 427

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cgagctcacc gaatcggaca gtgcagttct gtgaatattc actaccttat tgcaaatggt 120

actctggaca gcctaatgtg ggcaatgctg aatcgaaagg ctcaggtcac agggagcaca 180

ctgaatggca ggaaggagaa actccaggct acggaagatg acaaggagaa gtggggtttt 240

ctgcagtttg ctgaagcatg gaccccaagt gacagttttg aagagctcaa ggattctgtg 300

tttactcact ttnaaaannn nanncnnnnn nntntnnnan nannnnnnnn atagactcta 360

accttcagaa gataatactg gagaaaatat ttttatgacc ttgaaggtgg ggaaggataa 420

agatttgcct cagtacacaa gtaataaagg aanagattgn aatgccgact ataaaaacat 480

gaaaagcttt tcactgaggg ggctgagtca taaaattcca gccagcctg 529

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<223> n is a, c, g, or t

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aattccaact gttctaacct tcaaacacag ccacactggg gctgagagca tgaggtacag 120

atctttacaa agtacgagtg tgtggtttcc tgtgacagcc agaagacagc atcggatctc 180

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ctacaccaca cacaccctac tgacggagaa gctgttcacg gcgagagcga agagacagag 420

agacaaaaag gcgaaaatat ccagccaagc agcaaatatt tactgacttg gtagatcttt 480

tccttt 486

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cacaaagact tcctgattgg agaangggag atattcgaan tatacagagt ggacattcga 120

aaccaagcat atgctgttaa attgtttaaa caggagaaaa aaatgcaact aaagaagcac 180

tgtaagagat ttttatcaga actggaagtt ctactcctgt tccgtcaccc ccacatacta 240

gagctggctg catatttcac ggagactgag aaactttgtc tggtttatcc ctatatgagc 300

aacgggacgc ttttcgacag attacagtgc acaaatggca caaccccnct ttccnggcac 360

gttcgnatca gcgtattgat aggnatancc naagccatcc aatacttgca caacactcan 420

ccgtgcnccg tcntctgtgg caacgtttcc nggtaaatga cctgagagct ctgggttcca 480

cctaaatccc tgtcngccct gcaggtgagt gttcttttcg gccag 525

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gatagtcaag ttccacacgg ntttggatgt gantgaantg ggttggctga aggagaacgt 180

ggggccctga cttgccttta gttcactttt cttgggaact tggagggcca ggtttgcagg 240

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nnnnaactat gacaatgaag ctggtcgcag cagcactttg cttgagcctc cttgcagccg 120

gcctgtgggt gggcctctca ttgacagctg agtccattga agaagggaaa cctggaggag 180

agaaacctgg aggagggaaa cctggaggca gcggacgagg atgttttctc ccaccactgc 240

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tcagctgtaa aattgttcct aagtgc 326

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<211> 303
<212> DNA
<213> Mus musculus

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gtgcctgcat gggtacagct gataccttg aaaaggacta aaatgatgga taatggagtt 120

agggccagag aaagatgctg aattccgttt cagagacaga cttaaggcat tgggatcaga 180

cacaagtgga ctctgccgct gccagctaag gctgggagct gcttgcctta ctgcataact 240

actttgtccg cagcaattac tgcatttatg gctctgactc agaacacact tgcagtcaca 300

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ggagtttcag acctgggctt tacacgtggc aaactgctac aattaccgtg tggagtttac 180

tggggtaggg acaccgccag ctggatctga gcatgttgga tattgtaccc agataggtgt 240

ctttacaaag aatggcggga agctctctac aacttgggtt tcccagcagt gtgaccagca 300

cgtttataaa cctggtctca ctnngtaccc ccnngcnggc ctagactngn tntgtngacc 360

agactgncnt tgaacacata cagatntcnt atntctactt ctcatntgcc aggattaaan 420

tngtgcatca ccacacctgg ctaaatgacc taattttgag gttcctcata gaaagatcct 480

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cctgtgcttg gtgcactctc gtcttgaatt acatcaaccc acagtgggcc cagaaacctn 120

tgcttctttc tcctnattga gggttcagac tccttttggg ataatacttt aatcagtcat 180

gtaggataga cttttgtttc caaggtaaat tttnggctga aactcaaaca cagccttgga 240

cacatgagac tatctccaaa agaaattgat tggcagcctg aaagtatcac tctgtgtatt 300

agtcaagagc agagatgcca ggacgactat ctatctgtct gtctatctat aaataaaggg 360

ggtttattcg agtggcttct acccaatgcc ctgtcactca caggtccctt acagagctga 420

agaagcagca acaagagaga caggaacccc atgttaaat 459

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aggcccaggt gatcaatcaa gcaatggcag agctggcaac agtcccttat ctccaggaca 180

tcagtcaaca ggaggcagaa ttgctgcagt cgntaatggc agacgccntg gacacccttg 240

aaggaaagaa gagtgntaag gagcgtgtgt ggaatacaat ccaaa 285

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atcccagctt caggctcagg ctcaggtgac tgaggcgctg aagcattctg tacagagcct 120

gttgaaggat cgggagcaac atatgttcaa gatcagtgct ctagaagcat cactaaaact 180

gctgcaggag ggccccaaag ggagagccct tctggagcaa tgcctggaag ggctgaaaaa 240

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accaggaaag ttgggtcctg ccagtggctt tcaccaagag ctg 343

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gtccctcata cagacctaga ggaaaattat ggcaacctgg ctggtcctgg gccagtgctg 180

ttcccttggc tctatacatc taaggcatcg aagactccca aggatacgga gtgactctgg 240

gtatcagctt agcacatgtt attttaggtg tttcaacagt gacaccattg aggtagtgtg 300

gcttagtgaa ggaatgtggg cttggacggg atagaatggg gttgtcattc cacagttata 360

agttaatatt cttattaact tgggcaatca tgtgactact cagtatccta tttaaatctt 420

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cggaa 485

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tcctgattta cgtcctcaac gagcttcacg aagctttgaa aaagcactgc cgaagaagag 180

tgaatgagaa aagaacaggc caaagctgct gcaggaaggt gccggcccag gagacctcca 240

tcatcacccg gctgtttgaa ggacagctca gttacagcat cacat 285

<210> 7657
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atgtgccttc tgagagtaat gcagcaagaa atattactga gatggtgaaa aaggatttaa 180

atttcaactt taaagttcaa ggctttcctt cggaagaatc ttttgagaga tacattaagt 240

atgagaacaa ggatgcgcat gtgctggctg ctattgtg 278

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ggcctaaggg accaagaaga agtcaaagcc ttggaatgat ttgattgaca tatggtatcg 180

actgactgat atgtgttcac ccttacagca agttatgctt acagcaggat cagtaggtta 240

aagatgtgca gacttccggg aatttgacag ttactgaaca ttcatgttaa aatagactaa 300

aataaatttt cagaattcag acaggtgggt tttgtcagtt attgaacatt tgtgtctatt 360

ttatttattg catantattg catttgacat cataccataa tcattttcgc atcatantca 420

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aacatgcaaa gaacctgggg ctccatatta atgaggagga acaagaaagg actgtgccag 180

tgctgatgtc ctctgtctat gggaaacgca tcaatcagcc cattgagccc ctaaacagag 240

actatggcca tgtgagccac ntgaagacng anttntacag gaagaacgan atcccnagcn 300

tcaaggggcc cggctttggg cacntcaatc cagcctgaag aantcgtgtg gtttntaggg 360

cantctgagg aggataagca cgtgcatatn taagntgntc ctggntcaga acctggaaaa 420

gcacctttcc ttatgttgaa 440

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ccnacagnna ggccgcccca agctccntcc caaccttggg ccactnagca aaggtcccnt 120

ncnccntccc nccgggctaa ngnncnnncn nnnggnnnnn atgngcccct cgaagctggn 180

ttcntccccg ccaantctag tgcagaagca cccctcntcc ccttnnncna ncctgtttcc 240

agagatgtgc tatgaagagc ttgtacaagt aaacagtttg ctgagcgaaa ctggctgcgc 300

ctagtgggat caggcaccga gccgacgcac gtcttttgca aacat 345

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tcccaaaaca gcttcaggaa gttcctgaaa ctggtccaca ttcactagct ccctccctcc 180

caatagtaaa caataaagat tgcctctntn tgaaaagcaa gacaactgag atgaacccag 240

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tttccatggc tctggtccct cctgctcccg agcacaccaa cccctcaggg actgtncttt 180

ttcctgttct ggtctatttg atactacagg acgcgtagaa catcttcagt gtttttcaga 240

gttgatcaac atgttgattt ttntantnaa ccatgnttng cgtaaatang taaaaaangt 300

gagnagtncg cagagagccn ttttcanaca ttactggaat ttgtnttaat ccagagncna 360

aaatcattct agattnnaaa attatttta aantcaagtc agaaactcan atcatgattt 420

tttgnaatca aatattttna gcccactata atccaaagac atacttacat gatatatgtt 480

gaaaaatgaa gctaggaaan tattaaaagt ttttttttt tgcatacnta agccattatg 540

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cagatcaatg gtttactatt actcttaggt cagtcacaac gctgcacata acacatttgt 180

agtaacttat gttacaacat gaagttatag gctccaaagg tgtcagaaat gaaagacttt 240

acaatggccc ctgcttgttg aacctcccat caggtgtgac tgctttcctg taaggttgcc 300

cgtgagtggc caggattcta gccacttagt cagagaactg aagagcttat gatgggacat 360

gcatgggtcg aggcaaataa tgctacccct gatcaccaca aactgcacaa aacccatgta 420

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gcataccagg agcatcacaa cnatcngtna attcnaagnc cagagtnatc aacatctggg 120

actcctaaaa atgatgaaaa tagaaaattt tttattcact gtaatctttt gttctactag 180

tacaacaatg ctcaanagat agcaataaat tggaggaaaa tgtgtgtaat cttacagtca 240

ccnaaatttt acagattgat gtattaaaaa ttaattcctg agtccagaga gacagcttag 300

tatttaagag tgattgctgc ttttccgggg gaccagacct gacagctcac acttgcctgt 360

aactccaata cacacacaca cacacaaacc antacacntt tgaaaaaatt ggntttctat 420

gaaatatntt cattntnttc atagtgacaa tggcatcaca gttgtatgca tgggacaa 478

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ctgttctgca ttatcctgca tcccttctcc aattcttctt gaggtgttgg ttttttcgt 180

cccagagaca tgtacaccag ctatacccgc ttaggtgacc cgactggacc aacaacagtt 240

ctctctcatt ggtccccact ttactgactg tatctttgca agacatccag gaaaatccct 300

atgcacgtct ggtggtggcg atgttctagt acaacttttt agtatactga taattgatta 360

gatacttgat cagttgtcac gataattgnt ttntcttttg gggttttaaa aatancnatt 420

aanaaaatnt ccagcatngg gcgggggaca gggcagagnt cgtccactcn ctggtgatnt 480

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ataccagcac agaaacgcaa gagccaggac agnantcctg accactgcaa gcaagctatc 180

cgaaagtggc cgtgaatatg ctttgttatt aantccttac cacctactta cgtctcacag 240

acagcctcta taaaacaagt ctgcagcaca gaaggcagca tggaggccat gcagtgccat 300

caggggccta agaactgcag gcttcaaagg tcaatgcccc ctgcaatgaa tgggtttctg 360

ttacaatgta tttcatatat atgaagttat ttcccccaaa ttttatactt actttgtatc 420

tatgtgcatg tggaagtcag aggataactt gtggaattaa ttctcctttc caccatgtgg 480

gtcctggggg actcaggtcc tcagcattag tgggagacat ttttacccag tgaacca 537

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aaaccgagaa gagccaactg gaacaggaat tggagatctc acgcaggctg ctgagtcaat 180

ctgaaagcaa tagagaaacg cttttgcatc aggtggaaga gctgcgtaca caacttatca 240

aagcagaagg tgaccaaagg ggtttgcagc atcaagtacc ttgcatttcc aagcaaccat 300

taagccacca ggatgatcaa ggggatgacc ggaggtttag aagaggagta gancgggaga 360

aantgantnt ggagaagcag ntgncanatn tgcgagtnca gctgaacttc aantccatgg 420

nttcggagtt agaggaagtg aancggtgca tggaacggaa ggaccaggag aaagcaacgc 480

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggaagactag aggctggtct ttgcagagtg tagagatgtg tactgaagtt ataaagaatg 120

aagccaagca ttcagcactt accacacagt cttttaaggt caccctgga gtaagaggga 180

tttcactccc taaagtgagg agtgaaatct gagaaaccca cctcgaggca gcttcccggg 240

atgagaacag tgaagtgagt acttccacga ctataggtga tgtcgcacag ccccacatgg 300

ccctactgtg agcaagagac acagaaagca ggagatgcat ggtaccagag ctggaactgc 360

gctgtattgc ttcccttcac gatggtgagc aagcgantgg aaacaaagnt nggtgagatg 420

ggccattaag caccgcantc agaacctgag ctgctgcaat gtcacaaagg ngaggtgctg 480

ngcctttgat gcacacactg ccaagggag 509

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<223> n is a, c, g, or t

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agccacggtc ccagaggcta gcaaaacatc cccggtcagg ttatcatagc ggatccccag 180

ctgccgggca gcctctgtcc atctgtcctt ctctcctcca aggccactga taagcttctc 240

tgccctgacg agcttctggg agcagatttc tatatttttc tccagtgaat ttttctttct 300

gttcatcagt tcaaactcgt cattgagatc ttggagtcgg tcttccacca gcttcagtcc 360

gcccgtttct ggttcagttt ttgcatttgg atctccagct tcccctcagc ctccctcagt 420

cgctcccnnt tgggagcnca caacnntggc cactcggtca tacacttcca tggccctcac 480

ccacttgcac aggccctcac aggcagatga tacatt 516

<210> 7670
<211> 318
<212> DNA
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cgaccgcctc gccttacgga tgggaagctg aggacagtcg tcgctgtaaa actttgacag 120

gtgcccaata tgagatgaaa agaacaaggg aaacgggcct aagtcgtgtg ataaggggt 180

aagccagtcc ggtgacaaca gagggcaggg aggggcacac agagcctgag gggaaaacat 240

caaagcatcc ctgaggaggt gacatgccta actcctgcaa aggagagtaa gaaaagcatt 300

ctttatcgag gttgaggt 318

<210> 7671
<211> 297
<212> DNA
<213> Mus musculus

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tctcactagc gcctacagtg gtgcagactg atccagagag aaacagctcg gagtcaatca 120

aaaaacagtt ctaacagggc ttggtgagag gcagagaata ggcgacagcc gccgggagtg 180

cggggctgag acaaaccaac gctcaggaat gggcactgag gggcagcgac ctagcccact 240

ggagacctgc aggaagggtg tcccggatgg aggaaaccgc aagtccaaag gcacaga 297

<210> 7672
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<212> DNA
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ccactcctag ccttggaccc ttcagctagg ttcaactcca ggtcaagtca ggggccccca 120

gcagcttagg ggcacaggat ccacaggaag aaattccagg actttgccag aagctaacaa 180

cagttcccag ctgttcccag ccgcctcctg ccattcatgc cttttagagt gggggtcttt 240

gcacaaattt catcagaagg agggtcagat ggacgctttt gcctctgggt cagggcacag 300

gacaggccat ggagaaacaa cagcctcttt gttgctgtca gctcctgcac agacccttga 360

cagagacctc cctcttcctg gatctcttgg ggaccatgan accagttgta ctgctatggc 420

tagccttatg tagtgacttt aagcctctcc tgcaagctca aggagggccg atagccttgc 480

tctgcagttc ctctgggaca catgctacag aactctctta tcaacgcagt tcttg 535

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<212> DNA

<213> Mus musculus

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tctggaaatg ttttgtattt attttcccag taaacttaag aaaacttaaa agtaattaaa 120

tgtttttttc cttttgaaaa gacagaatct taaaacactt ggagtatgtc ttctttcaaa 180

tgtacatgtc aatggtgcct aatatttttt gttt 214

<210> 7674
<211> 190
<212> DNA
<213> Mus musculus

<400> 7674
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gggactccag gcattaacaa tgacaaattc aggagctcct ccgccaggtg ctacaattgt 120

acagtatgca gcacaatcag ccgatggtac acagcagttc tttgtcccag gcagccaggt 180

tgttgttcaa 190

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<223> n is a, c, g, or t

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ttagaagagg cgctgtacag tgactatctc cancgagaac agtattttat taaaaagcac 120

agnaaagaan aaatatattg ccagttacca agtgatactg aa 162

<210> 7676
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<212> DNA
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ntactgggga tgcagtgtgc anaagctcta cgaagctctc cagaagcacg cctactgctt 120

caggataagc accccgcaag cgttagaaga ggcgctgtac agtgactatc tccancgaga 180

acagtatttt attaaaaagc acagnaaaga anaaatatat tgccagttac caagtgatac 240

tgaanttgaa gactttggtc cagtgcccan atctcgctat cctttgnnnn nnnnntnntt 300

gaccctngnt gatgaggatg acagggaaan nttnnnnata ttgtangtat tgaagcatnt 360

ggcatacctt acctttataa gacgggtgat tccaaattan ttttaaaata ggaaaaatta 420

atttctgaaa atatatattt ggtnttggac taatgtgtnt tgaaaaatta aaccatggat 480

tataccctg tttaattttt atagctgtaa catgccttca gaatatgatg ctnnccccc 540

ccccctggat ggcaacagca tagctt 566

<210> 7677
<211> 197
<212> DNA
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<223> n is a, c, g, or t

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cccaatgccc ttcatggcag agacagctaa gctaggcaga nccagatcta tagatcctgn 120

attacacaac gaggctctac ttcctggaga ctggggacat atcctccgcc ctgaggacca 180

aggtgagcct gtgacta 197

<210> 7678
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<212> DNA
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<223> n is a, c, g, or t

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gggccatgga ggcaaggata tgctcngagg ttttaactnt antcagcaac ctggctgacc 120

tggcaaatgc tgtncactgg ttgccccgag gtntcctgtg ggctggccnc ttccctcctt 180

ggctgaaaaa gacttacttg tgtatgtacc tcacgcatgc ctggtgcnta tggaggttgg 240

ntcccctaga actggagtta acatgatttg gagccaccat gggagacaaa cccaggccat 300

gtc 303

<210> 7679
<211> 308
<212> DNA
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agagganggg ccttctgacc tatcagggat ggggaacttt ntgaccaaca ntcacntagg 180

tacnntgagc cagacaggaa gtgantggga gagaaacatc ntaggaagtg gaggggggct 240

ggggcngntt ggnanagcag tgngatccag ccnntgnnnn nncaagcata ccagctgtgt 300

gacttggg 308

<210> 7680
<211> 367
<212> DNA
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<222> (159)..(159)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agagcctgca gagcgtgcag aaggtgatca tcagtgataa gcactgcttt gagctctatg 120

gctatgacat cctcattgac caggacctca agccgtggnt cctagaagtc aatgcctctc 180

cttccctgac ggccagcagc caggaggact atgaactcaa gacctgtctg ctggaggata 240

ccctgcacgt ggtggacatg gaggccaggc tcacaggaaa ggagaagaga gtcgggggct 300

tcganctcat gtggaatgat ggccctgtca gccgagagga ngggccttct gacctatcag 360

ggatggg 367

<210> 7681
<211> 356
<212> DNA
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<223> n is a, c, g, or t

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tagggaaaaa gtcacttccc attccagctc gatcaatctt ccttccatgc gattgattaa 120

tagaaaacga agtgaaaaga ccgtggtcgc tgtgcgtctg ggaaggaagc gaagggcaga 180

gtggccattg ttgaagcaat tagcgagaga caataaccac cgagatgcgt ttaattcgat 240

tccgtgcacg ctgcaatccc cgcccgggct ntgcgatatg caggcctggg ataacccgga 300

gggtctggtt gtgaagctga aatacagaga agagagcaaa atcaaaccgc ggtgga 356

<210> 7682
<211> 260
<212> DNA
<213> Mus musculus

<400> 7682
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taaccctcaa caagaaccaa attaccgact tggagtacct ccttgatcac ctggcagaag 120

tgacaccatc cttagagtac ctcagcctcc tgggaaacgt ggcatgtccc aatgagctgg 180

tcaacttgga gaaggatgag gaagactata agagatacag gtgctttgtt ctgcacaagc 240

tgcccaagtt gaagtttctg 260

<210> 7683
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<212> DNA
<213> Mus musculus

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ctggcttctt cccgccacaa gaacgggtaa ctactaggaa ggatgacggc aggtttacca 180

ccacctgcca ttatgcttac ccagcatccc tggcgctgta cctggcccag caagacccct 240

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cagaagtggg caaaggntac cttntantcc ntggctgtnt ntgtgaccat caccagagan 360

tcaagntccc catcttgaat aggtggggcc ccttgatncc attttaccag tagacgtgtg 420

agaatacccg ctgtttnaac gtatgaagga attccatgcc aatgntcaca gagaaagcac 480

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naananaatn gcatcagaga tatgtggtga aaggaatcag tctgtttgtg agaacaantc 240

acctcctccc caaatntcag atgttntnta ccacgtntnt tggagatggc ccctgatcga 300

tttttattgg tccactgaaa ctataactca ggaagttacn ncacacgtat aataatgaat 360

attaaaaggc tgatgtggat gccagttcat ctttttttcct cccagagtat ccctgaatgg 420

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tgtgangata aannnnacgg gggnaagaag atcttgataa taagaatggg aagtgtaata 180

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ggctcagcca cagagttcat acttcttcat ggcaacaaag tagcggatga aagtctctcc 180

cagagcctgc ttcagacact catcttgctc cagggcggca agggcatctt ccatcttcaa 240

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ctaagaggaa gaaaaacaca cagacacaga ataagactgt caggatctcc agcagctcgc 240

tctccaccag cttcctcgcc agntcagnat ccgctgatag caggtngtgg gcaatgacca 300

ggccccggtg ctgcacggac aactggtcat gcaggcaaan ccgctgtagg atntccancc 360

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tattgttggg atgatttcat taggttctct gataaataat gcaggctcta angatgcatt 240

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tggcatctgt ttaattttta ttacttttaa attaatccgt aagntcttaa gaagtggata 360

ccgacttgaa aggggagaat aaaagggagg ggaaaggttt acctgtttaa aaggtgaact 420

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ccaaatctgc tctgttcttg tttcccatgg caggacttgt gggactcact tgatggtcat 240

gattgtagat cgtgatgcac agtgcagtga ttggctcacg acagctcagc cttcttgcca 300

catgggagct tccttcaata tgacttggtg ctcaaccaca ttttgggcca acagatgcca 360

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cctaaagata acgccaaaag aagggctaca ccaagtgact ggctccagtg gaccccagga 240

aatcacacgg gacactagga ctaggcttca ctacagagga cacacactcc ctgagggcaa 300

tggggagagt ggactccttc cttggcttat atggactgct gttatcctta cagatgnttc 360

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cgtgtgctaa ggccttgttt gaagccaagc gcttgttgat ggagtccaaa gacatcttaa 240

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tatgctcctc gctggcacag aagatgcgtg agaccttgga gttgaaggaa agaatgacca 360

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ctacaagcta aagtggtgtg agatcaagtg cagggacaac tactgcagct ttcgggaagg 240

ccagcagttg ctgttccagc tccccaacaa caagcttctt acgaccaaga tcgggttnnt 300

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gtagattctt cgtcatccac ttagcagcct cattcaagaa gacagttggt agccttggaa 360

gncctgccgg ttgnatggct gtacgaggac tggaatcctg tgntgntntt ccttgagcag 420

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ctggacataa tagcattcat actggagaaa aaccatttga gtgccaggag tgtgggaaaa 180

ccttcaggaa gagctcatat ctaacccagc atttaagaac tcacactgga gagaagccct 240

atgaatgtaa tgagtgtgga aaatctttca gcagtagttt ttctctaact gtacacaaga 300

gaatacatac tggagaaaaa ccatatgaat gcagtcactg tngnaaagct tttaataatn 360

tctcagctgt gnaaaagcac ttnatgactc atactggaca aaagccctat ggatgtaacc 420

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gctgcagttt tgaagantga aagaccccaa acaaanttat ccgggacatn gnagaaattg 180

ngatgaaant ggagtttaac ccagnnncag ncagccacag ttgnaatgag aaagtactga 240

aagacaagcg aaaaaagctg cgggaaa 267

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aagtctgctg acagtgctat ttatatagtg atcnttttat cacagaacca gtaagtggga 180

catgattttn gttccttcaa gaagccaatg tagattgtaa aagtctccta agtatactaa 240

catttcacac aaaacntgcc atagtttttt gaaggggtg agggaaaagc ttcaatttag 300

gttttatttt ttcaatatta aattttccat cttgaatatt ggtacctcag tgattagtgg 360

atgaaaagtg tagggtggaa tttgtcttat gatgagtaaa gatgacaatt aaattgngtc 420

tgcnagngcc tgtgtagata agtattcttg tncttcatct ctagtttttg aatgcatgct 480

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atgaggccct ggcaggtgcc gccctggcct ctggcagcgc gattccagca cagcgcacct 180

ttttccagtc ttcacctttt tccagcgtgg cagntgtttc actggacagg accagcttgt 240

acttggacca gantccctgg antccccant ccagccctgt gcatntttga accaggaaca 300

gccaatcttt ggaactgggt gggcttatcc ttgactgatt ggcaactggg cccaaagagg 360

ccaagcagca agttccactg ctcagagagc acgtctaata ccacatctaa taaagcacag 420

gcttagagct actcggcact gggcgtagct tgggatgctn ctgnacgttn tgatgtctct 480

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tggtgtgttt ctttggaagg ctttatactt gttactttgc tgtaagggga taaaaacagg 180

atataaagtg gntntggttt ggggtttntc nttggtagtg tcgggtgttt tctgttgtgg 240

agaacagcac tagatgtaga aagtttctcc tcaagtacaa catggaacaa gattagacaa 300

ctgtctgttt tactgaaatc agagaaactt gtttgctttt ctgtatctgg aaactaaatg 360

caatgttacc tttcatacgc aatcatggat acacttagtt ccatcattaa atttttatgg 420

ggaagatagc aggatgtnaa atccattgtt tgtagaaact ggaaaaggaa tctacaggcc 480

tgttttcaca anttcggcag cgcagacaat gaggacagca ctggcagctg aggagcacct 540

ttgcgaaact gcag 554

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tagcatatgt ctccaatttc tatcaacaag aaggaaatgt acctggggag gcagcttgtt 180

tgtaaagaaa tagtgttacc cttttacaat gaactttgca cactgggttt ataaacttgn 240

ttctacactg taaacataat tcatttttaa aataaatgct tagcagcttc cataaggata 300

gactgacatg ctagatatnn agaatattat agtatagttc gcattgaggt tctgtagtag 360

tttttaagaa atgataacac aattcctatg tgaaacacat gccttgaata gtagaataat 420

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gccatatgac ttacagatct atcctcagga gaggcacagc atcagagttc ctgagtctgg 180

agaacactat gaactgcacc tgctccacta ccttcaggag aaccttggat cgcgnatcnc 240

tgctctgaaa gtgatataan tctgacgcat gtagaacttg gtgtacactg tctaaccaaa 300

caaagagggt tagccaatag agaagccaga gttgatgaac ctacttttgt acctgccaca 360

taagatctat ttctgaaagt aaatttggtg ccatgcanga aatctgcagn ttcatggant 420

agtactctan atacnttaac catngcncat naaactgagt gacatgttcc caanggattg 480

aacagtacct gaggatactg aaggaatcaa ggcaccagcg ccaatattca gactagccta 540

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ctttttccat cgctacattt attgcttgga taaaattatt atgggattcc tgcctaaaga 180

caagctttta aacataaacn gtaaaataan taatagcctt ttgaggaanc aatatgcttg 240

tgtattgaat tatataacga aaaactattt gcttctcatt gtaacactta tgcaaaagac 300

tattattgca gttgctctta cgagcttcat aaactgtgca agagattgtt gtcttaactt 360

tcagcagtgt catgaaccat tggtgactga ttgtactatg ctacgctgtt aacatctgta 420

tagctgcgac atgtttcccc aaagatcttt atagtgctgc gcatccaggg taatggcctt 480

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cctgtcacct gcagactgcc ctgggggcgc tttgaatgac tcgctccaga ttccaacaag 180

ccctcaacta tctcaggcaa tggaagtgga cggactgagt gactctagca agcaaggcta 240

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tccatccttg ggcttctcat ttgtctcttg agattggctt acatactttg ctcacctctg 180

ttcagttgct acatagatag tttctttaaa cattgaacat ttattttgca gttcagctta 240

agaatattaa tccacccgca gaagcacttg ncgctgactg cagttctgag naacacaatg 300

gctacacggg tggatgggag gacntcancc anttccctnt caagcgtgtt ntcccgttat 360

ccanntcaga accaaagcca ggagggttgg aatttatata gaaaaaaaaa ataaattgct 420

tccaatgtaa tntatttttt aaatgattat ttaaaagaaa ctaaactaat ttaagagttt 480

atgtaattgt agtactgaaa aattattttt attactagtt ttgatagatt gtttttacct 540

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nnnacanacn nacnnanact atgctaccca gttactccaa agaaagattt ntcagaagcn 180

acagnatnnt cacaaacant cccacataca cacacacaca agttaggggn aaatttcctt 240

aggaaatnta tttttacttt tntattattt ttaaataaaa atntgatgtt tgtccagtca 300

taatttttat taaagaagac agtggagagg gttccatgta atttgtttag tctntcgtaa 360

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gaanaggaga accaagtgga ttgtagcccc tnaaacgatc attaaaattt aagaggcaga 180

ggtgaaatca gagaaatagc agtgaagatc agggtgttca agactgatgn tgcagctgtg 240

atgatgaacg cagaccaaag attgaattaa atccgcaaat natcggtaaa acataccana 300

ccactggatg tttntgtgag agtgttncnt gggaagatca agcagctagt gantccggcg 360

ctgactatgg gtaatactat cccataagct aagggntcca atatgattaa agacctaagg 420

aaaaggctta tgcatgaatt ntttntntaa ntcctaacca atattatttg acctgntntc 480

cagcacatac catgctagaa taaantntnt taagccatga gcctgaagca ctgcttccct 540

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<223> n is a, c, g, or t

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acaatcacag acggagaaaa gagaaaagga agaagcagaa aaaaaagctg tcagaagtca 120

ctctaaagtt gaattctgcc tccaggatcc catcagctgt gagtcccctg aggtgacctc 180

agtagcaaat ggcagcagtg tgtcaacatt gagcttatca acatcaatct ctagttctta 240

ctgctgccag accgtagaag aagccgaaga ctggcttact gatgattgtc tagaaaccag 300

gattccctta aagaatcctt tantcgggga gcctntaaaa aagaagntgc ttgcgtacct 360

gtcatccatt tcattagaag agtggcctgg gaacacagtg agcaacacat tttgtagcga 420

gcaa 424

<210> 7710
<211> 508
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgcacaagcc tgagttccca gatggcgaga tgatggaagt gctcatctag cgtcgtcctg 120

tggcgcttgc cagcatgctg acagatgaga acangaggct gaaagaagag ctccagatgg 180

gcagttgcag tagcaactgc aaaaccagga cagntgtgga ntcntcacaa tnttaccaaa 240

acagctggct cactntctgc agagggagtg agagaggacg catgtaggct tggaagcaga 300

gtagagaagg aggaggagtg gaattttcca ttgtagagaa attgtatntc ttagggaggc 360

tccatgcttc cccattcttg gcttataaac agatgaagaa gannnnnnnn nnnnnnnnaa 420

tccccttgtt ccctttgcct tttagcaggt ntggtttaag aagaatctgc tagaaatcct 480

gaaagcccat ctcggcataa tggtgtgt 508

<210> 7711
<211> 519
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gatatcctta aagagtagta gtagttttta actcaatttc tagctatttt aatgtttacc 120

tctacttcct aactttgttt ttccttaaaa aggcctccaa actgtacctt tggaaggaaa 180

gggggtacag agcctaagca cctgtcatca atccagtggt tttgtataaa ctacaataaa 240

atacaacagc cgtgttgtaa cctgttttca aagtagcttn tggtgatgaa ctgacagttt 300

taaaagaaaa ttttcattgt gagattaagg ntcccaacct atgaggaaat aaatttatnt 360

taaagcaata tgcgctccgc ttctggttaa atagtagcca ggaggggctg gcaagatcat 420

tcagcatgaa aggtagttct cagggtccac gtgttagatg gtgagaacca actcctgccg 480

tcgcctctgc tctctacatg ctgttcacgc cacacataa 519

<210> 7712
<211> 514
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tacaataaca tctttcnaca aaaggcacag acattggact ccaagttcag aaantttcct 120

ccccagagcc atttttgaa caagactgct cccagnactc aagccagtac agcagccgca 180

agtaggaagg gagccccaag tgcgacccag actcacccac atggtaaaaa accagaagga 240

gaggatcgga gaaaacagct ggaagaatgg cagaaatcca aagggaaaac ctataaacga 300

cctcccatga aatttaaaac aaaaagaaaa ntcatagagg aaatgaacac ttccttctgg 360

aagagcattg aaagggaaga agaagaaaag aaagcgcagc tggagctgtc caagaaaatc 420

gacagcactc tgacagagtg tctgaggctc attgaagagg gtgtacttcc taatgaaata 480

ttcaccatag tatccagtat tcctgaggct gaaa 514

<210> 7713
<211> 430
<212> DNA
<213> Mus musculus

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agatggagac ctaatacgaa tagaggtacc caaaacccag gagaacaaga ggccgcccgg 120

cctaggctgc tgttaaccgt ggccagaatc agagccatct acaggatgac tggagcccag 180

gctctacagc ggatatgcct tcaagctgga gaagcctcgt gtcttcagag cccagccatt 240

ttgctttagc cggtcagcag ccactggctg ctgaagcccc atactgcccg gttggttgat 300

gggtgccagc atgagccttc cctatagggt cttcagatgg ttgttgtgtt cttaagaggc 360

ctcaagactg caaactcggg acacctcagg gctagcccac acccttacc caatcatacc 420

aacagctgtg 430

<210> 7714
<211> 441
<212> DNA

<213> Mus musculus

<400> 7714
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tgttacaatt cagtaaaatt acagttatga agaaacaatg aaaataattt tatttggggt 120

tgggggtcac tacaacacag ggaactctat taaagggtca cagctttagg aaggttgaga 180

accacgctat aaaccttgct aaaggttata aatttgcaga tgataggggg atggggacag 240

aggagaatat ggttacactg ctcatataca aagttctaaa aataataaat ataaagacaa 300

gaatatgctg caggcccaca gatgtacctc atggagagca gcgcttgccc agagtgcaca 360

gagccctggg ctgcatcttt agtaccacag aaaccatgtg ctatgctgct cacctctcat 420

tcagcatgag gcaggtcacc c 441

<210> 7715
<211> 434
<212> DNA
<213> Mus musculus

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<222> (33)..(33)
<223> n is a, c, g, or t

<220>
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<222> (59)..(59)
<223> n is a, c, g, or t

<220>
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<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

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cttttctaag agccaagttc tgtcctgctc agacccaaca ggaagcagca tgccccccntg 120

ttgtgtcccc tcggcccctc tggttcacca ggtgttcccc acctttttcac accaatcctc 180

ccttgacctt cttccctctg ccttttcacc ccatttcctt ctcctccagg ggtgacctgg 240

aaccctcctc acagaagctt tcatcaagtg aagtatgtgt ctcatctccc tgaatccact 300

ttcagaacca aaagtagctg tcaccgttaa cttccgcaga ggtcaancat actagctcct 360

tcagaaatgc attcatttca ggaagagcta cccagtgcct actgtgtgcc actgtactta 420

gaggcctccg agaa 434

<210> 7716
<211> 541
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (414)..(414)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (435)..(435)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcccccaaaa aactctactc cggtgggagt agagtctcag gaagaggccc tccagcgaca 120

aaaatccaca atccaagaat cagttcaaat caccggcaca ctcttccagg cccggagcct 180

ccggtctgta gaccttcaat caccaaaacc nnnnnngnnt tccaggtctc tacttcagga 240

accaagacag gtcgctgcat ccccaaaggc cgggccttct gtctcaaaga ggtctgtgac 300

tctagggtct attctccgaa agtcgccatc ttaatcccag tgcagcgaag accctctgga 360

acaccacctc caaantctac cttccctacc aggacttntc agaccttgga gggntggctg 420

gctggaannn aggtntgttn tcctgccctg aaccctggga accccttgtg gagtttgctc 480

tcccctagtt gaagagacca gaggcaccca aggcctcatt tagccttcag tgtatccaat 540

a 541

<210> 7717
<211> 409
<212> DNA
<213> Mus musculus

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<222> (26)..(26)
<223> n is a, c, g, or t

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<222> (45)..(45)
<223> n is a, c, g, or t

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<222> (52)..(52)
<223> n is a, c, g, or t

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<222> (58)..(58)
<223> n is a, c, g, or t

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<222> (65)..(65)
<223> n is a, c, g, or t

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<222> (76)..(76)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

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acaantcaga tccttntatt cnttgtnact gntccattaa aggcacagaa aagaaaacgg 120

tgccatttta ctgatggatt cagtgcaaca gatggaccat ccacctgacc aaactgcaga 180

atcgaagtat ccatgcacgg agatatcntc ttcacagaaa attaaaaatc ccacatttaa 240

atntccanat agtcacagac tctattatat gactgcaagc agttccttcc tgtctgagcc 300

tcagtttctc tattacaatg gagagagtta aactaaacag attttcccca aaggatgcca 360

catgcttttc ggtcctccca ttcagagctg acattctatg atccttccc 409

<210> 7718
<211> 523
<212> DNA
<213> Mus musculus

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<222> (110)..(111)

<223> n is a, c, g, or t

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<222> (309)..(309)
<223> n is a, c, g, or t

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<222> (311)..(311)
<223> n is a, c, g, or t

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<222> (313)..(313)
<223> n is a, c, g, or t

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<222> (343)..(343)
<223> n is a, c, g, or t

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<222> (394)..(394)
<223> n is a, c, g, or t

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<222> (396)..(396)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (398)..(400)
<223> n is a, c, g, or t

<400> 7718
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gaccgctcgt accaccgtgg catgggtcgc ccgggacgcg ctnnnnnncn nggggcggaa 120

gttgggaaga ggagttcccg ttcctaaggc gctggcatcg ctcctcctgc tgcttccctg 180

ttctgaccca ttcccggcga cggaggatga aggtggcgaa agatgtttgg acagccgtcg 240

ctctcctcca tgcttttctc ctgctgctgg ttagcttgga tggtgatggt gtcacctggg 300

gtcctggant ntntgggccc gcatcctcat tacccgagaa ttngttagaa cgacacattc 360

acgaccacac ctaaacctac agaatcagaa acgncncnnn tagtggggtc ggtcctgaaa 420

cctggttaac aagctcccaa ggtgaatctg atggccgctt tccctaagca gtagagaccc 480

tttttcgtgt atggtgctga aaatttagcg tcctctgtcc cca   523

<210> 7719
<211> 460
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gattctctgc gagatgtcga gatacaagct aaagtgaaga ttatttttga agcttccaga 120

gccgcctagg cgggcgtagg aacacgagct ggttcctacg aactccattt ctgcatggag 180

gcggccgagg ctacaatgca tggtcgcgag ctgctgtcta tataaacact ggagaaatta 240

caaggccgtt cagaataatc tctggttata agtgaactac agtgatgaag gaaacgttta 300

taaaacaaca caccagacta actccagaaa aaggaaagaa aactttgaga ggaaaacctg 360

tccaagaaga aaaatagaag tcaantgata gaaaacagat gctacaaaag ttagataagt 420

attcgtgagc actaaaccca gagccttgta gttggcaaat 460

<210> 7720
<211> 434
<212> DNA
<213> Mus musculus

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<222> (90)..(90)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (124)..(124)
<223> n is a, c, g, or t

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<222> (132)..(132)
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<222> (167)..(167)
<223> n is a, c, g, or t

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<222> (176)..(176)
<223> n is a, c, g, or t

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<222> (204)..(204)
<223> n is a, c, g, or t

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<222> (228)..(228)
<223> n is a, c, g, or t

<400> 7720
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cttggaagaa tttgctcaaa caggaattan tgttcacact catgtaacac cttaccaant 120

acangatcca angagatcct ggattggaaa ggagcacaag aaatttnttc agatantcag 180

ggatttgggt atgcaagtga ccanccaaat tcattttgcg aaggaaantc cttccataga 240

gaatcatttc agggttcacg aagtattctg agactattaa tgtgcttgct taatgggaga 300

ataaaatttt gaatgttata aatgcagatg atgagatgca agattaatga tgcttcatca 360

gtttgtgggc taagaagatg cacattccaa aaatatgagt gtcaaataca gtaggattgt 420

tttgcttgtt aagt   434

<210> 7721
<211> 93
<212> DNA
<213> Mus musculus

<400> 7721
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aagacagtga atggtaagag agttgtcaca aag   93

<210> 7722
<211> 427
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (301)..(301)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (346)..(346)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (401)..(401)
<223> n is a, c, g, or t

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tggcgggact atatctcact gcatctgact gtgtaccaaa atacggcctc cttctaattt 120

caggtttggc cataataact ctagtggaat tatttggact aatttatatg aaatggcttg 180

acccaatgat aggtttccat aagacacaaa agtgcaggca gcgctgtctt tgttcccgag 240

tttcacactt tgtctcactg gctctcaagg aatactaaat ccaaccannt nnngtccaga 300

ncaagatgcc agacgttcca agtncnncnn nntcaccttg nttttntcat cnctgaagcc 360

agctgattgc tntccaagga tactgttttg cccaaggcag ntgtggactt tgacattcct 420

tcaagtt 427

<210> 7723
<211> 383
<212> DNA
<213> Mus musculus

<400> 7723
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gagaaaagcc tcaaagtgac cagagagaaa ctggaaattc aggatgctca cattcagcaa 120

atagccataa ataaatataa tgcaaaacaa atgaaggaag aagaattaga ttattggaga 180

cttactgacg cccttacagt tgagaaggag aaagaatttg agaagtatgc tagagaagta 240

attaactttg aatctgaatc aacaaagaaa tacgcctacc ctatggtaaa agctgtgcag 300

gaaggagtgg gaggtggacg tggaccaccc tttgtaggca gaggtgggat aaggccaagc 360

tatcaggcaa ctgatgccac tgg 383

<210> 7724
<211> 379
<212> DNA
<213> Mus musculus

<400> 7724
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agggtaccaa aacacagttc atgcaaacag gatggaagac actcacaagg cggctcttca 120

ggagctccaa gagaaggaga cagtgctgga gcaacggagg agctctactg gcaacccagc 180

tgtgtcctgt tatgggcacc ctccagccag ccggtatgga ccacatccac agaaccacag 240

ggccccaaac ctcatggttg ggtttggcca gtgggggatc ccagtggatt tgtacgcaca 300

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<210> 7725
<211> 269
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (107)..(108)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<400> 7725
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gcggcgtcag cggcgccatg gcaaccagaa ggcgcggngn nngangnngn cacngacgnn 120

nnngatnngg gnnggagtcg ggcgaatccc ggaagaacgt gcggcgtata acctcagtcg 180

gccgtgggtt ccacgagagg ctgcgttccg ggtgatggcg acacgggtta cgcgacaacg 240

gaaggggcgt ggttgcatcc gcaaacgct 269

<210> 7726
<211> 536
<212> DNA
<213> Mus musculus

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<222> (215)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (288)..(289)
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<220>
<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 7726
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aagaagaaaa tacaggaaaa caagactccc attatgatct gggagattgg taagaaattc 120

agagccaacc agagaactca ctcatacaaa gaaaaggacc gccacggaga ggagaagtca 180

gaaaggccac cggggaagta cggacaaaga gttgnnnnna gagactgaac agatacggga 240

tccaggcttc aaangctctt ncnggagana tattctggaa atntcctnna tctacnanac 300

agaaccaatn tgaagtggca gactcgntct gagagcagag ctggttttca ggntccaggn 360

tcccacagct tacntccctg agtggcagtg ctgtcgagtg gagggtagca actnccatnt 420

cctggcttnt tgactttggc atctagtaaa gttttcaagt gcatntcctg accatagaga 480

ccaacaaatg atgcgtcaat gtgcccaatg aggtctagct agctcagcca caaatg 536

<210> 7727
<211> 562
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtgcctcgga ggagctgagg gagacctctg catctgaacc tgccccctcc gtcccctact 120

ccgcccaagg tggccacggg gactgcccgt cctcatccag tctggaggct gtgcccagta 180

tgaaggatgc catgtgtgag gaaaggagca gcagccctag aagcgcaggg ccatccttgg 240

ntgagccctn tcccccagna ctgcagccct tgtcaccacc acctgtggag gacatntgct 300

cggatgantc agatgacatt atntttтcgc catttctgcc caggaagaaa agcccntccc 360

cgttctaaga ccccagccat tgcctccagg tgaggtggct ggggacaagt cagaggactn 420

taantcttgc tagggaagag ccctgcctca ctccagaaca cctcagccat ccattttctt 480

atgtgtcgtg cctttgaggg gtgctggtgg ctctgtactc tctggggacg gaggggggag 540

ggtgggcaac tcccacttcc at 562

<210> 7728
<211> 312
<212> DNA
<213> Mus musculus

<400> 7728
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cgccggctcc cacgaggagg acaaactgca ctgtgaggac attggagagg acacagtcct 120

ggtgcgtagc agtcagggta gagccaccct gcccaggagc agcagcctgg accgggactg 180

ggccatcacc tttgagcagt tcctggcctc gctcttgacg gagcccgctc tcgtgaggta 240

ctttgacaag ccagtgtgca tgatggccag ggtcaccagt gcgaagaaca tccgtatgat 300

gggcaagccc ct 312

<210> 7729
<211> 157
<212> DNA
<213> Mus musculus

<400> 7729
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tgaaaactca ctgcatcgat gtgtacccac agaagtgttt cgacgaggat gtcaatgaca 120

gacttctcaa cagtaagatt cgggagcaga tcccttt 157

<210> 7730
<211> 296
<212> DNA
<213> Mus musculus

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<222> (124)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(149)
<223> n is a, c, g, or t

<400> 7730
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gggagcttga cggaggctaa gcctccacgg tgctgtgagg ggtccatagt atttttttgc 120

tgcnnctgag tccccaaggc ctttaagnng aagtgacagt agatgcttgc catcagccag 180

cccagacttt taccaggaca acagggaaca gaccctgtgg gtttggatga gattggcagt 240

ggggactgtc gcctgatgcg tgtccccagc agaacacctt tcagagtgtg cctttc 296

<210> 7731
<211> 320
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (155)..(155)
<223> n is a, c, g, or t

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<222> (157)..(159)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaccatccgc tgtttgtact gggctatgtt tggacgagac attttgatct gaccatagct 120

ttggactggg aaaaacaaaa gaaagaaaat ccatntnnng nnnnnnnnnn nnnnnnnnnn 180

ntttatgaat cgagagtcac gtcatcacct gatctgaaat gtgctagcag gtattcattg 240

cgtaaggctt gatctttgcc ttgtaagaaa cactggtaac aacaattcag cttatcatat 300

gcgatggtaa ctgcttttta 320

<210> 7732
<211> 369
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<400> 7732
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tggcagagcc ttcactgtgt ggggaacatc agatttgtgt aaagaagatc acctgtctct 120

tctcaggtgt gcactgtana gaagctgctg cgaaggccac aggtcactca ggaaaatttg 180

gggcagtttt ctaggttcaa gggagactgg acatcaaagc tgcactggga catatggacg 240

ccttgatcca ctttggccat tccacctcag ctcagaatta ctcactggtg tcagcacagg 300

atgtttcttg gcttcaaacc atttggataa gtgatggcag caagttcgcc actgtaaagt 360

cacctcttt 369

<210> 7733
<211> 455
<212> DNA

<213> Mus musculus

<220>
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<222> (308)..(308)
<223> n is a, c, g, or t

<400> 7733
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caacctgaat ggcctaaaaa acttgaggat tttgtcctta ggaagaaaca acataaagaa 120

cctaaatgga ctggaagcag taggagaaac actggaagaa ctgtggatct cctacaattt 180

tattgagaag ttgaaaggaa tccatgtaat gaagaaactg aagattctct acatgtctaa 240

taacctggta aaagactggg ctgagttcct gaagctggcc gagctgccgt gcctggagga 300

cctggtgntc gtcggtaatc ccctggagga gaaacactct gccgagggca actggatcga 360

tgaagcaacc aagagagtgc ccaagctgaa aaagctggat ggtactccag taattaagga 420

ggatgaagaa gaggaaagct aaggctgtac ttttc 455

<210> 7734
<211> 567
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (520)..(520)
<223> n is a, c, g, or t

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<222> (522)..(523)
<223> n is a, c, g, or t

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<222> (525)..(525)
<223> n is a, c, g, or t

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<222> (527)..(531)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (536)..(536)
<223> n is a, c, g, or t

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gtatgagggc aagctgagca aggcccaagt gttttatgag cgtgagcttg ataacttgaa 120

aaggtcacag ctcttcacag ccgaaagctt gcaggccagc agggacaagg aggccgatct 180

tcgcaaagag ttccagggac aagaagccat tttacgaaaa accataggaa aactgaagac 240

agagctgcag atggtgcagg atgaagctag cagccttctt gacaaatgcc aaaagttgca 300

gatggctctg gccacagcag agaacaatgt acaggttctt caaaaacagc ttgatgatgc 360

canggaggga gaaatggcct tgttaagcaa gcacaaggaa gtggagagcg agctagcagc 420

tgcccgggag cgattgcaag agcaagcttc agatcttgtt ctcaaagcta gtnnnnntnn 480

nnnnnnnnng gcnnnnnnnn nnacnnaann nnnnnncntn anngntnnnn nannanaata 540

tctgaacatt tcgacagctc ttttaat 567

<210> 7735
<211> 440
<212> DNA
<213> Mus musculus

<400> 7735
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tttgcaacaa aggaaaaacc cacttggcca tttaattcca ttgcagaaaa atggctccct 120

catctgttgg cctctccttg gagtctgatg aaggatgttt tgagatcagc gtctaataac 180

tcaagcccta tagaagccgc gcgctgattg gctgccgcac cctgccgccc tgctccagcc 240

aattacctac ccacggccaa attacaaacc ccgaaaagag ccccaatatg aaatacacca 300

ccacgaagcc ccggcgaggc ggctgttcgc ctcggcagcc cgagaagaga gaccgagggc 360

gtctgcaacc agatccacgc gaaaagccgg ggaagcctac gagttgaact cacaaaatgg 420

aagccgagcg ctgattggcc 440

<210> 7736
<211> 336
<212> DNA
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<223> n is a, c, g, or t

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<222> (268)..(268)
<223> n is a, c, g, or t

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<222> (289)..(289)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 7736
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acaaaagaga ctgggattca atgcggtttc ctggtgaaga tcatagaaag gagttacgct 120

ggagtgtccg agggcaaatg ctttcccgaa cagaacctcc gtccaagcct caacatgtgt 180

atgttccaaa caattacctg gtgccaactg agaagaaaag atctgccttc ggtggggtgt 240

gcgttgtgac cttgcaaatg gtntcatncc caagaagctt cccttcccnc tttctcnttc 300

ttaagtnttt aaaaaacatg tctctcctac caaaag 336

<210> 7737
<211> 234
<212> DNA
<213> Mus musculus

<400> 7737
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atattcaagc tgttggtctg attacatcct acctgcataa aggtttgaca gaaaaacaac 120

aaaaagccaa agcaaaacac cagaaagata gtggtaaggg ctggggaata cagcccagca 180

gggcattaac ctgacaggct ctgtgccctg catttgatca aactctgtcc tatt 234

<210> 7738
<211> 438
<212> DNA
<213> Mus musculus

<400> 7738
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caaagccttc ctggtgctgc tgtacatctt gattcataac cgggacatgc tgctgctgag 120

ctgccaagcc aggctggtga tgtacatcga gagagacagc agaaagacct ccccaggcaa 180

ggagcagcag agtgggaatg agtacctggc caggtgcctg gacctcctca tccagcacat 240

ggtacaggag ccacctcgga tcctaggcga cattctcaac gccctggcaa acgtgtccgg 300

ccggaagcac ccatccacgg tccaggggaa gcagctgaag atgtgtctcc ccatgatgcc 360

tgtggtgctt cacctggtga tgtcacaggt atttcgacct caagttgtga cagaagagtt 420

tctcttcagc tacggaac 438

<210> 7739
<211> 255
<212> DNA

<213> Mus musculus

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<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

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taatcccgtg gagctaagca gtatgtctgg atttgaagaa ggctccgagc tcaatgggtt 120

tgaaggagcg gatatgaagg acatgcagct ggaggccgag gcagttgtaa acgatgnact 180

ctttgctgtc aaccacatgt ttgtctcaaa aagcatgccc tgtgcagatg atgtggctta 240

catcaatgtg gagac 255

<210> 7740
<211> 313
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

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<222> (158)..(158)
<223> n is a, c, g, or t

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<222> (216)..(216)
<223> n is a, c, g, or t

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<222> (241)..(241)
<223> n is a, c, g, or t

<220>
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<222> (285)..(285)
<223> n is a, c, g, or t

<400> 7740
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tgaggcccca ggagacctgc agttgcagtc cagcntctgg ggntcccagg gtcacccngt 120

gtcagcaccc acagaaggca tcggaggaag aagaattnaa atagcctgag gaccagtggg 180

ggcggggaga cgatgcccac accctcctgg cagttntgcc tgctctctct cctaattcat 240

ntatcacgat atggctggat tccatccatc ctaccaactt cctgntcagg aactggccat 300

gacttttcca cat 313

<210> 7741
<211> 535
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<220>
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<222> (169)..(169)
<223> n is a, c, g, or t

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<222> (173)..(173)
<223> n is a, c, g, or t

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<222> (185)..(185)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (198)..(198)
<223> n is a, c, g, or t

<220>
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<222> (210)..(211)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (228)..(228)
<223> n is a, c, g, or t

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<222> (233)..(233)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

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<222> (422)..(422)
<223> n is a, c, g, or t

<400> 7741
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tttgatctct gtgtttttag gaaaaccgtt aagccttcct tcgtgaagcg gtgcctgttg 120

actttgagaa tattgtagaa gaatagcaag natgtttacc tacaagaanc acnagccttt 180

cgtgntnnat gnactagnac gataacttgn ntactntnna ccacaatntc tgnttgagaa 240

tggttgtaat tnttagaatt tatctaggaa tagcgaacat tttgcaatat gcttattgtt 300

ggagaaaaag aagtagagtt gtttggtttt gtgttgctgt ttttttgttt tgttttaaga 360

taaacagcat gtccctagca gaggccctag tttggtaaac catatataag acattggaac 420

tncaaaaaaa aaaaaaaaaa tgctagcact aagaaaaggt gggcttacat tacaactagt 480

tggttttgta ggaattacaa atttaccact gagccaaacc tacctagtgt tctac 535

<210> 7742
<211> 497
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (113)..(115)
<223> n is a, c, g, or t

<220>
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<222> (117)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(128)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (130)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<400> 7742
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gttaactcat catcaaagcc cttgtctgct cttcacttgg aagatgatgt ttnnnannna 120

nnnnnnnnan nngntggana agcaagaatt gaagcaagtt ctgaaaatgc ccacgtgggc 180

agatggaagg gtgacaaact accaagaaaa tctacacaaa ggcagatatc gaagaggaaa 240

cagctggact tagacagtga gaatcttcac tgtgaccgtg gaaatgaact gtaccaacat 300

aagaacatta agatccctaa agtgcccagt ggctcacaca gtaaagctgg tggcaaactt 360

gcccaaggaa caaaaggcaa taggtgtcct gccaggggca agttgattcc tggccagacc 420

aagttgacgc agtttttat gctatgattt tgccgactat gtactttaga tttcagtaag 480

accattcacc aaagccc 497

<210> 7743
<211> 448
<212> DNA
<213> Mus musculus

<400> 7743
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cagatcttat tgattcctat ccaggacatg aaacccttg gtgtcacagg cggcacgttt 120

tctaccttca gcatcactta aatggcaggc tccctcccaa cctgactcac ctgtcacctg 180

cagactgccc tgggggcgct ttgaatgact cgctccagat tccaacaagc cctcaactat 240

ctcaggcaat ggaagtggac ggactgagtg actctagcaa gcaaggctat tcccaggaaa 300

ccaagcgcct gaagcggacc ccagctccag actccctagg cctggagatg gagcacaggt 360

ttattgatca agtattgtcc acttgtcgga acgtagagca agtcaggtat gccaatgcat 420

acaggaaatg gctggtgact ctgagtca 448

<210> 7744
<211> 457
<212> DNA
<213> Mus musculus

<400> 7744
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gtcccgttca attacacaat ctgccatttg aggaagcaga cccaagagta tgtctatcta 120

tctagtgact tatctttaag gactcaaaca tgccaagtga tggaatgcca caaagtgatg 180

gagagtgtga ctctgccttg ggtgccctca ctgctctggg gaaagcttcg agtactccac 240

agagaggacc tgacagacca agaggcaggg aagaactgag aaagttagtc ctgtcagcat 300

ccctgtgagt gagtcgggaa ggtggtctcc atactccact gacaaattca gtttaacctg 360

tgaaaaagag gaccggagga tccacttgag ccaaacctgg ataactagcc tgagagacaa 420

atgtttcttg ttacactctg ggtgatttgt tgtgcaa 457

<210> 7745
<211> 488
<212> DNA
<213> Mus musculus

<400> 7745
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ctttatccag ttttgagaca gggtctcacc gttttgagat ctgttaaact ggtaaagata 120

tgttctgatt tctggtgtgg agtctggaga cgacgcagac cgagaaaatg gaaggcaaag 180

acggaaaaca aatgcgcctc ttgataagcg tctgagggaa atgtatttgg catctgccac 240

atctctgcac cattcagata acttttctgt gtcattggtc tttctagcaa agaacaccca 300

tttgcccagc gacttgtgaa agcaaaggta aaggtttcct gagatgagtc ctctcctggc 360

tggctctcgc tgccctgcat ctcgaactcc agaccataga aggaaacagg accaaaaccc 420

ctgacccagt cagccttcag agtttctgtt tgctatggga catcacccca tcgtatctaa 480

cagtatct 488

<210> 7746
<211> 278
<212> DNA
<213> Mus musculus

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gccactggaa tgactctaag gattgggaag gctttcaatc tatgcaggag gtgtgggaac 120

cttggactca ggatggtcta gagcaacctc cccagaccat ccgcttccag ccagcagtag 180

aggccaggcc tctcaaatcg gaaatccggt cagaccaggg cctagaggcc tatgtgtata 240

ctgtaaatcc tccacctccc agtccagagg ctttgagc 278

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<212> DNA
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<223> n is a, c, g, or t

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ccaagctggt tactcaactg tctttctcct tccatctttt ttattcttaa accaataagg 120

ggttttaagt ggcccaggat gtcctgaacc ttgctatgta gctggggtga cagttatgaa 180

gtgctggaga tggaccaaga gccttgtaca ccctaaagga gctccatccc tagccgtttc 240

tgatcttgac aactttcctg agtttatctt actgtgtgaa taggtcagag cttgcgctca 300

ggtatgatgg tgt 313

<210> 7748
<211> 414
<212> DNA
<213> Mus musculus

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cccttctttg aaataactaa aaatgcaaca tctgaaggac ataaacaaaa ggattctcct 120

ggattttcat ttcttatgag ttacacctct agatcacctg gactaaattt atttgattct 180

tctgtatctg attcagaaat ctcatcggat cagtttaatg aacattactc tgcggtaaat 240

ctaaatcctt cttcatcaca acaaggaatt ggaaacttat ttggaaaatc agaaggagaa 300

gatgccttca cattttcttt ttcatcagac tcttctcaca catttggagc tggaaaagat 360

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ttttaattgg aaagtgatcg gcgacaaatt ttttataatt caccattgcg caggactaac 180

tgcatactac tttgtattga caactggagc gnnngcnnnn nttgncaatt tccgcctgct 240

tgccgagctt tccagcccct ttgtaaacca gaggtggttc tttgaagccc tgaagtaccc 300

caagttttcc aaagccaatg tcatcaatgg aattcttatg acggtggtct ttttcatcgt 360

gcggatcatt tcgatacctc cgatgtattt cttcctttac tccgtgtacg gaacagaacc 420

ctacataagg acctgcatcc tgaaggtgaa tttttaaacc tctctccccg atgagattcc 480

agcatcagag aaaacccaaa gctgaagaaa tctagtttgt gcctattagc aagaccggag 540

ctacccagtc aatgccagtc aat 563

<210> 7750
<211> 371
<212> DNA
<213> Mus musculus

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aaagcctgaa ggtgcttcac caggaagaca tggaggactt tgccaggcgc tgtgctttgg 120

ctgaggagta taggaatcaa cttcagatgc agattgccca ccagcagcag gctcgagaag 180

cagaaaagga agaggaacgc caggaatttg aagcagggtt ggcagcaaac aaagcctgcc 240

tggacaaaat acagaggatc ctctctgaga atcaagctct gtcccagaat gtccacccca 300

tgcgaagggg ttaccctgac aagcctcctc tatagtttta tataaatcaa tgtatgtttt 360

ctgggtcttt c 371

<210> 7751
<211> 202
<212> DNA
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agctggagtc ggtgatgagt cagagaggca tggttcctgg gggggaacat gaagggagcc 120

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<212> DNA
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ggccgacttg gagatcctac agcagaaggt ggccggggta caaagggagt tggaggactt 180

caaggaggag gcactgaagg ccatccgtta cttggaggac gccttctgcc agatgagtgg 240

cgtcctggca cagcaggagg agcaggcngc gcgagtgaag cagcggctga gggaggagga 300

ggaccgaggc atcgtccgca acaaggtcct caccttcctc ctgccccggg agaagcagct 360

tcgtgaacac tgccangcgn ttggagaaca tgttggtnag gagccacaac ccgctgcgag 420

ccatcaggaa gagccaggcg gactgagcgg cccgcgcccg agtgtgcgcc cgagctggcg 480

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ccagacatca ttgaagatct ttacggaaca attgccttta aggattttat cctaagcaaa 120

ggctacagta tgccggccat cctggagaag ttgtttatga ggaaaggatg gaattatgac 180

actgtcaaca ctccaatacc aagagtactc aaagcacatg aattgatcat gcagcaaagg 240

gatgaagatt atgatgatga aaatgactag ctgattttcg attttacttg actttactct 300

catttcaaat attgaacggn ananatanga ngaagttatc actaaatgtg accatcttnt 360

tggacaatat cnntctataa tgtaagatgt aatgtttaca aacatttctc aatgagctca 420

aatgaanttc tgtgcctgca taaatatntt ntcaacttga agatcaacaa tnatatacac 480

agttattaaa tttatttact attgagaatg tggaggtcaa ccagttactt ataa 534

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ggattccagc ctgttggccc acctctccga cccagtccag gttcctctgt ctctctgcac 180

attgggcgtc tgggatctat ntccctcntc agctanacag cagagntgga ggcnacctca 240

ctgggacaaa gagacgacaa antgcaggca ctgcatattt ggtatnttat tnatggtttt 300

gcatgggatt taatntaatn caagnttcan nttttttttt tnatataagc tttcaggttc 360

ctttttagt gtgggtattt tnttgactga gggtggctat tnttgtagcc cgtttanata 420

ntaantcccc caataaaggc agttgggcag tttaagatga cccatatnta aatacatttt 480

ttnatgagtt tatgctntct atatgcctat gttcttatgt ctgtntctga atgtgaaaat 540

acaagaatat gttcactttg tatgtaggt 569

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gtgcacctga gcctgccccc caccagttag aggcagctgt ccctgatgca tcccgcctca 180

tggcacctga acccgctgta cccttgtctg tgggagcaca gtcactagct gaatcccctg 240

caggcctgtc tcccgaaaac aaacctactt caggtgagcc tgctgcaaca cagtctctgc 300

cagccttgcc tgctgcaggc ctggctgttg nanccaanct tcntgcagca gantctnntn 360

cannccgacc tcntcnannt gaanttntgg cganccnntn tgttgtggga aaanttattn 420

cagctgancn tantgaagca aaaccacagg tacttgagcc tgttgaggcc aantctgcca 480

gccaagaagc acancctttt ttttaccagg tgccaatgaa caaa 524

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tgcgttctgc cctcatccat cagccgtgga ctccaatggg gatgtcatgt tctccataga 180

ggcatctctg ctgggcctct ttccttggct ctgcgcaaga atctatgacc ctggaaaagt 240

catgcaatct ctcagtgtag gcttcctaga ctaacagaca gaagcagagg ctcacggggc 300

aataggttct gaaggctggg actntacccc nntcantgtt nctcctccan nncccnanat 360

nntcctttgc atgtcatcgt gagtcaggan atggntgtca aatgggagag agaaaaaaga 420

ggcaacagag caccaagccc aatgacctaa gtttgacacc cagaa 465

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attcaatgag tttgggttta atgtcgacag tttggagatt cactggctct gttcctgcac 180

caatattatt tgcagcaaca tcagatttta cttgtcaatt ctggggtatt aatgaatgtg 240

gagaaaaagt acggtgttgg atctataata cagaaaattt ggtctacaca tttaagacag 300

tatggattaa catgcaaata ttgtcaggct tgngttntnt ttacngggtt nacagacatg 360

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ctgatttctt cattgagact ggac 444

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caaggaatgt ctcaaaatgc cgtatttacc agaattgtca aagagctcaa gttcatcttc 180

actagaggct cacaagcgcc tgctgcacac ggacgctgag atccctccca tcaggataaa 240

gaagaccaag gagtcgtgca gtatggcagc atttcaggag aagtcaaaag gctctgtctt 300

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attagatgaa tgcttacttc aaaatgattt ctagtatgta tttttgatct tacgtgttag 180

ctttcatcac aataacaaga gaattcagat cagtggttct caacctgtaa gtggagacgc 240

cattgacaaa cctatagcta caaaaatatt tacattatga cgtataacta ggaaattatg 300

aattagcagt gaagataatt ttntgnttgg aggancccta cnacctgagg aantntatca 360

aaaggntgca gaacggggaa gggtgagaac ntntgattta gataatcaan ttttntcaga 420

gaaaaatttt ggttgatggt ttgaaggttn tagcccataa ctgganttтc cattgctttg 480

ggcccatggt aaggctggag gctattt 507

<210> 7760
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<212> DNA
<213> Mus musculus

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atctacccta tgagaggaaa cctacatcag tagcccacat tccctttgga ctgggggact 120

tctactatgc tggtgccatt ataggtggag tgccctttca ggtcttggac tttgctcagc 180

aatacttgaa aggtgttttc ttggatactg aaaatggagt taacagtacc tatgaaaagt 240

acctcaacaa atatttttтc ctcaacaaac ctaccaagct tctatcccca gaatacagct 300

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aatgagaagc gatctacata agtgccctgt catgtcctga cttttaaaat taaaacaata 180

gcaatagaag gaagcatgaa atgaaggaac ggcttctctt cctggtctgc gaaagcctct 240

gcgaacaaca gtctcacagc caaagtctct gtttnnnnnn nncnntccct tnttctccca 300

gnntccccan ccntacntgc cccctgnnan aacaanttaa ntgcagnttc agattccaaa 360

tatgaactaa cttgctgtgt gacct 385

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ccagcccagg gccatcaccc tccggtctga cagaatagca cagataggag aaggtacagg 180

aaccatagga catgacttcc aaggccagag ataattgaat tacctggttg tcagccgtga 240

tgaatatgag ccacgaaggc ggtataaatg tcctatttgt tccatgtccc cggnagcacc 300

tccagctttt tgtttctatn ttgggactga gtgacctnta ctccacagta tgnccatttc 360

cagcccctgg ggacctntaa ggcacccctg ggaggcaatt gtgatntcan ccatgaattc 420

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ggnngntttg tntggttatg aggcntgaaa ntacaaggca gaantctcct cagtaaagat 180

tgcaaccntc ctacagagag ctgaactgta tgcaagagcc taacccagca aggaagactt 240

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atttagctgc aaaatacaac ttggtgt 327

<210> 7764
<211> 184
<212> DNA
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attcaccaga atattggagg gagggacaga taagatctac tgatcagaaa ttttgggaat 120

ctgatatgaa atacgtaaga acaaagcaca atgtttttat ttcatgaaaa gctcaaatca 180

ttat 184

<210> 7765
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<212> DNA
<213> Mus musculus

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atatagtaaa gcacaatatc gtctctgtgg catctagaca ctgtttcctg gaagcagaca 120

tcagctgtag gcttccactc atggcatgga cctcaagttg taccaattat tcatttggcc 180

acaccatcat caattgcaga 200

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gaaaactcaa aaaaaactac tcagtgaata acagaacgat gaagtaaaca gacaattctc 180

aaaatatgac ccacaaatga ccaagaaaca tgaaaaattt caatttcact agttctgagg 240

attagtgttg actgttgcct ggatatagtg taggtagcac ccatgaggaa ttatttagat 300

cactttggac agtctaccgg gctgtgaggg attttccttg atctaattga tgtaggaaga 360

cccattnnna anntggnnng cancctttca tgagctganc nttggagcga agggaagggg 420

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aacagtactg ctcatctcac agaattcaag tcgatccaga tgtggatttg attaatagaa 120

gcttactaac tgtggctaat tactgataat gatagcatca cgaggcaacc tcctcatcaa 180

tgtcaccttg gtctcttctg attgctagga taggaagaaa ctctacctgc cgctcttccc 240

cagtcaaaat gaaaacaggg ttggatttaa accttggttt gaatggtagt gaggtagtga 300

acacaggtgc aatnnnnant anccatccag aaaatgaaag ctgcttttta gagccatgtg 360

<210> 7768
<211> 358
<212> DNA
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<400> 7768
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gagtttctgt attaaccaca atccactgca caaagaaact tctctaatga tgtttgagag 120

ctgcactaat gagagcctgg acccagaaga atactctcta ctttcttcct ccagaaattc 180

agagtttcca gtctagtaga tcaacctgga attgacttga gcacaagacc cctcaagatt 240

ctacgtatga gatcacatca tctacaactg gagatggttt tacttcttct tcctttccca 300

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<223> n is a, c, g, or t

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gcagctgtta taaagtacag gagccatggg accttgcgga actcacaaag acctggtaca 120

caaacttgac gaacatcagg ctgccattct tgggagaaat cgtatttggt agtcctatga 180

atctcttggc aagccaaacc aaacaggaat gccagtttcc ttcaatgcaa tccatggcac 240

ttgaaaagga gtatgaagca aagcgcctaa caaaactgaa gtgtcaggag aatgtgtgta 300

aggaaatcca ggcttcactg agagaaaaga aagtcggcct gagaagacca cttcagccca 360

agtgacccaa canattgttg aagctgaacn nntttncggc atccanggag atgangntnc 420

ttggantctt tcatagtgtc aagtngacac agcantgtgc ctatggcgat gaggccagtg 480

tttccagaca cggctcggtg gatgctatga cagagccccc aggttcctgc tacantcttg 540

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cagcacctga cgtcagcttt cactgctatt cagaagtcct tgcaagtgaa tagtgaggaa 180

ttccaaaact caaagtcaga actcctgtgc ctttataagg aaattcagag tcttccaagg 240

gctgagggca gagagcaatt tttagtagct tataacctgc tactgagaga gaattctgaa 300

ttagaagcca aggtctcaaa gcttgcacaa gagctggaac tnttaaaaca ttgctctnta 360

ggggacagaa ctgctaattt gatgacgagt gaaaacgcct gtgaagacct ggtntctaaa 420

gggccacttt tggaagtgga gnctgtgagc cccagtgagg acagacaggn tctctggtaa 480

tttgagaaga tctgactgag cacagtaact agagggtttt attggctgat tatcccaaga 540

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aaaactcaaa gtcagaactc ctgtgccttt ataaggaaat tcagagtctt ccaagggctg 120

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aagccaaggt ctcaaagctt g 201

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<212> DNA
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ccgccaccga aagcacgaag caatgagaac ctggacaaaa tcgatatgtc cctggatgat 120

attatcaaac tgaatagaaa ggagggaaag aagcaaaact ttccaagact aaatagaaga 180

ctccagcaaa gtggtacccg gcaattcagg atgagagtac ggtggggaat ccagcagaat 240

tctggttttg gtaaaactag tttgagccgt agaggaagag tattgcctgg aaaaagannt 300

ccttatggag ttatcaccgg ccttgcagcc aggaaagcaa ct 342

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<213> Mus musculus

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gacaagagaa gagctggaca gcccaaggcc caggcgcccg ccaggcagtt atgggatcca 120

gtaaagaagg aagaactaca agaatatttt tttcgagagg tgcagatggg aaaactttgt 180

ttaattagag gggagcgcgg aatgggcttt gagcatctca ccaatgccct tttagtatgt 240

gagcaaccaa aggagcttct gatgtttttc aaaaaaacan tccctcctga ggtttttcag 300

atgctattgg acaagattcc cntnatttnc cancaantcg aggagacatg caggagcacg 360

gagcacttga aggatgaccc cgactgaaaa catcccagcg catccacacg cagtgggaat 420

gcccactccc gtgttctata cagtaaagac aactgctcaa tgatactcat t 471

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<211> 309
<212> DNA
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<400> 7774

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atcaggaaca ttgtttcata tgagatttat tacttttct taccctcaaa agcctaccat 120

tgtaaagaga tagaatagga aaaaagggac tggttttcca gatacctgag tgcttagggc 180

aacccggagc tcataagggg agtcagccat ccagccagtg gacgttccca cagtggtctt 240

tactggtacc acacttccac ctcgctgaaa cactgggatc tgtaacacag cagcactctc 300

aggaatgac 309

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tgtcttctcc ttccaagtgc tcaggtgaca ggtttgtgtc accacaccca gtttatacag 180

tactaggtac tgacccaagg gctctgttca tgttaccaag ctacacccca aaccttgcca 240

tatggttttt actggctctg tgggccttgt ccatacagcc aaataccagg tagtaggagt 300

ttcctactca accctaacca accaatgaag ttatttattt tgggaataac ntacatggtc 360

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atgccacagc taacacgata caacagagcc acctaggaa 459

<210> 7776
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<212> DNA
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ttcatgaggc tatggaacat atacaacagt ccaaggacat taacactgat gacctgatac 120

aactaataac agcatgtccc cagattgact taattagatg tcttactcaa gaaaggaatg 180

agaaaccacc atttttatct tttgggcttg ctgtactcca tatgttttct gtggatatga 240

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atcttgtgat gagtgattta ttttgctcct tagaaaa 337

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caaaaatgtt tagagattat tattggatcg tggattcaga tgatgatgac accgacaatg 120

aagaagaaga ggaggagaaa ttgaaggaac agcagacaga aaataagtag atgactttct 180

aattataact catctggcta tatccagttc tcgttttaca cgtcaatcaa ggtatacatc 240

atgatttaat tctcagtgag cttctgcctc gcctccacat aatanatnac nntatnaacc 300

gtaggatgaa tattcacatg tacttttna anatctttgt tncattgaag atantanatn 360

attacntcaa acnatnatag gaatgcntaa aactataaat aaaaacagnt agtantagga 420

agatcctggg atgacactaa taatgtgaga agaatatcaa aacactgaaa ttgcaagaat 480

aaaacagact ttcacagttn tntgtggctg aaaacttnat gaactaacta gcaattgttt 540

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ccacaggaag gtcgtggaca tgaaggcaga agacatagtt gtcgtgaggt ttcaaaagtc 180

agtcaagctg aaatgggtgt tccagttgcc atgctgagac ttgaggggga agcaacaact 240

gcagaaaatt tagtgtgcat tcacaagact ccaactgcct cattcctaac tcagatggaa 300

cttgaaatga aaagtattaa atctgccatc gctgaagtga gcacccnnga atgcttggtt 360

aaaagagaac tggaantcat gaagcacctt taccgangag anttagagca catagacagc 420

gnntntgcca ttggatcgga atatgtaaat ggagagagag gangtacaga aagagaaccc 480

gngcctttct acaaaagcag agcctcagag aacccagctc ntgactcacg taggctgcaa 540

aagtaactgg aca 553

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gtgggtctgg agtgcctgtc actggactgt tgcaatccta acctcaagtg gacgatagga 180

ggaataatgg gtctcttctg ggaagtgacg gagagtagag acatcatcca tgagatcagt 240

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gctgttacca caatatgctc cacggcagga gctgggagaa ggaggccctg gtcgtaagca 180

ggaagattga aatttgctac ctgtttcttt gcactgcaga aggcactcga cgacactgat 240

gggggcgaaa acacctgcag ctgtgaggcc atacctacac ggagagaagg aagaatgaga 300

ccacagggct cacgatgcga agctcaccaa cagctcatgt gagaacaggt gtagctgata 360

agaccacact gtactntntc cctcctntca aaggaggaan atctgntttg attttaaatn 420

tcattactga tcaacttnnt ctnaaatntg taaactacaa tgtccagaga tcaantnttc 480

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cccaatgaca agtgatcttt cctaatgctg ggtagcaggg gcccaagcta cagccatagc 180

acacaagctg cagccatagc tcagccccag gatcccaaga ggggaaaacc aaatgttcat 240

ccgtgttcca cggcacctag cctggacact gggtcagcga agtgtattaa atgcatcttt 300

tgacttcatg ctattttcaa cttatgcttg tccactgaaa atactgagan acnaacnacc 360

cngggaccat gngcannaag catttgctan taagaagaan tgggggtcnt tagcgacatg 420

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agcaaagatt gatgcggtta tatcagaagg aatcaactgg ctaaacatgg 530

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agcatantca gaagantcct atccagtgcc agaagaggaa ctgntgcaga ggcaacgngg 180

antntacgca gatgggcctc actgtntntt ccaccttcac tccattagaa gaagagaata 240

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atgggtattt ccatcctcaa t   321

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<212> DNA
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gacctcacag tgatagagga aggcgaggat actatccgtt tccacactga gcaaatagag 120

tatgatgaag aataccttgt agagtccatg gaagaagact atggatgcat gcacagtgag 180

gatgagaagg acaatgatga tgaagatact gatgagggta ctgaatactt tgcaggcact 240

gtgaatgacc ataactatga acacacatgt gttgctccca ataaa 285

<210> 7784
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<212> DNA
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atctcctaca gagtgtgagt aattagctct ctactctttg acatcattgt tccctatgca 180

ctagtgcatn gacaaagaag tcatacacat aaacttcctg ctatgaagag acagccatcc 240

tgactctgca gtccaggtgt gtctatcaca gagcatgcat nngntgaaat ctatgaagaa 300

cagcagatta aaccntttcc agttgcctgg cttggagtac catagganac tggntcttag 360

cttgntgtng gagnccgccc acaatgcctc tgtgctgtga actttgtgtg ttcatttatg 420

ccctgatgtg aaaactcaaa acatatgaag aaactggggc agtgtaacaa tttccatact 480

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<212> DNA
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gtatttgcaa attcatcttc ctggatgaga atttcttgaa gtcggtcatg cgtataaacc 120

aagtgtggta gtgaacgctt gtcatcccag cattctgcag gctgagacag gagaatcttg 180

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gattttgaag aaagtctaca tagtaacaaa aaagataagg aaccagaact acaagtggag 120

cccagtacct cctgcatttt agcaaaacaa atagatgctg gaaatgactc actagcaagg 180

atctccagct gtcctagccc tgagactcct gtgcttacaa tgaaggaaga cgagaacagt 240

gatgccaggg taaactgctc ctctgtggag ttacttcctt ggcctaagtt tgtttttnnt 300

ttattntgaa tntttantag tgggctggat nccatntccg tacatggaag gttagtngac 360

agaaacaaga gtgtgagcag gctaaaacac ttatcaattt ggtaagcaat cagaaggatt 420

ggtggtaact actttgatgt cctaggcaaa tgtgtcaaaa 460

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<212> DNA
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gagccacatc ctgaaaggat acagatgaca agcccattaa cttatgacca actcaagtct 180

aaggacaggc aagatgagtc tgtgaggagg aactttgtta aaatggaggc ttatagttct 240

gtgctaaaca cgtatacaac gacaagccct gctccagggt ntggatntgg acantgctgc 300

nacagtttng aacacagcag aantttcacn ccgccantnt ncaggccntg gcnttttgtg 360

gagagtgtgg atagctacct ntgcaggaca tggcngcagt tacactacca ctattagaga 420

agacaaagat ggtacgtttc tgaaatgctc aa 452

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gatagaggtg gtctactttt catccctttc caggcagctg gagtttgagg caacctccaa 120

gaccgtgatc cccctgtttc acttggcata cattttaatc atactctttg cagttgtatc 180

atgctccagg ttggactgta taagaaacaa gatgtgtgtt gcagtctttg gagtgttttc 240

tgttgccatg tcagtggtga gtggntttgg cctgatgctg caccttgggg tcccatttgt 300

gatnatagtt gcaaattcac catttcttat tcttggtgag taaaaaaaat tacgaggctg 360

tgntaaattt gtagatatgt tcagtggata aggaaatgtc ttttgtttag cnggctcaaa 420

caacagaaag tataaattat ttntcntaag aattggnaaa tatagtaccc tagacaaata 480

gaggaaagan atatggccat tagttcacac ataga 515

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<212> DNA
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<223> n is a, c, g, or t

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tggcaagaat gtcaaagttt ctctctagca atttaaagct gttctttgtt ctctntgcaa 120

gccacatagt tcatgtacaa agaatcaggc tatttgtgtg tgagcaggag gcccttgaga 180

cttagaagcc agtcacacac ccaagagtga gggtcttgga acaattactt acacaagtat 240

tggtgtatct ccagaaaaga cacaggaaaa agagcctaac tcagaaaagc taaagctggc 300

ttcaatggat acattgtaac tcaatcacat cccaggttct gcatgggatt tactcacaga 360

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gttatccagc accctgtatg gcttttcaga g 451

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aagtagaaac agagaagaaa aatattgtct tggaatctga gttgaaagag ctaagtgact 120

ctttaaagaa gcttgaaaac aaagtcaaca ctcttgcgga agaaagngat gacataanga 180

aggaagttga gggcaagcga acntntctag aagtcaaaga acgagagtat gnccnantgc 240

ttaaactatt ggaactaacc aaagagnacg aagcctcntc gctagctgaa aggttgctta 300

tatttctgca cattctntca tttaaatttt aatcaatgat gtcctgaaga ttcaaaa 357

<210> 7791
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<212> DNA
<213> Mus musculus

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tcgatcagtc tggaaacttc gagattctca gaagttgaaa gccagcttgg gctatttaga 180

actgctgaag attgagggca ggatggcccc aagggaaaac tgatggaggc tgttgagagg 240

tacggatgcc tacgtgcatc tagggcacac tcctgagggc ctgtcccatc tgcncttncn 300

cnnnncntnc tttnnnnntn nnngnnnnnn ntncnnanan ccttnnaant ctncngngng 360

aaanntnngn cttntctgca gnngggaaag nttnanatnn ataagcgata accttngact 420

tgtggnttcc cgggagggga gggaggtgaa gcacattgaa gcccntgcnt aaattaggat 480

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<223> n is a, c, g, or t

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ccagattcac atttaacacg gggtctccca gaagaccttc acccatttcc cagccaaggc 120

ctcaacattt caaaagggtt cctgataccc atgtaaagct gggcacagtg ctcccatggg 180

gagacgggag acagacataa gcttttgaac cggcgaatct gatctaccct gaagtaaaca 240

aaagactcta cctcaaacaa gatgggagac aaggcctgaa acctccacct aaccactcta 300

gtacacacac atctgcactt acacaaacac gcacacatac accatacaga tacacaccag 360

gagcatnaca tanatccata tantcccaca aagatccant aaaaantntt ttgcacgttc 420

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gaccattact gaggtgatgg catttagcaa agaacaagat attagggaan anattcttgg 120

ctttacttca cagtccctct ctgaattcaa ctgtnatnat nttttaagaa caagcaggaa 180

taaggganga cgaaacatca gaagcnaaaa gaaaagatct canggttgtc caaggaagag 240

caagggaaat aagaaggtct ggaaagtggt gacaagaata aaatcggtac ttgaagacag 300

ttttgaaaag gagaaggaag aaaaaaaaca tatcataatg gtgttttatt gccactcaaa 360

ngaagaaagg naaaantcaa aagaaggaga atgcagaggg ttatgaagaa tttcttattc 420

caaatgatgc cattntntnn tctgggtcgg gcccagtggc agaatnttnt gcatcntntc 480

cccaaaattg agagcagtag ttattttgtt tttt 514

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<223> n is a, c, g, or t

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tctcaaaagc ctgctccatg tcctccatgt agcgtggggt gtagcgattt agctcggcca 120

gggtctgctc atactgggtt ttcatctggg tgagagagaa gggaggcagt gaggacagac 180

tgccttccac tcaggcccgc accagcattc tctgagcata gccataggct agacctgaag 240

cagtcagacc tggaactcac ttcctaccct caggaactga cagaagcagc ctaataaggg 300

aagtggtaca caaacaaaca cctagaagaa tctggatgaa gtgcaagaca gggtcaatct 360

agatgataag gtgagataaa tccaantagg ntcccctngag gaggaggtnt tatagaactg 420

ccacccctca gaaaggatga aatgntagag agaaggacac tccgggcagg cgacagagta 480

tgcaatatga gaaccgattc caggtaacta antntccaac ttcctgaaac ccagctatt 539

<210> 7795
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<212> DNA
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ttccaggcat ccatccagat ttggagaagg tacttaaagc caaatggcta actcctaaga 120

atcttatttt tagtaaagaa catgataacg gtggaaaaac agtacaactg gaggaaagag 180

gtcatcatgg aatgaaagtc aatgagtgca atcaatgttt taaagtcttc agcacaaaat 240

ctaaccttac tcagcacaag agaattcata ctggagaaaa accatatgac tgtacccagt 300

gtggaaaatc cttccgcagc aaatcttatc ttactgttca cagaagaatn canantgggg 360

aaaaaccttt ngaatgcaat cactgtggga aagcatttag cgatccntnn tccctcagac 420

ttcataccaa ccttgatact gtgtgagaga aaactacaga atacctgagg gccaggaggt 480

agctttntga gacgcgtttg agaaacttgc catgaaatta gtgaagagaa atcagcaata 540

gatcgtcatt cttttgataa gtatg   565

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<211> 494
<212> DNA
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cttaacttga gcactggggc ttgagaggga ctggaggaca gagatctggc aggggctgga 120

agaaagtgag gggagcgatg taattctatt gttaaaatgt atttttaag tgcctgtgag 180

gggctggaga catggctcag cagttaagaa tgctgaattc tcctgcagat gactaggttc 240

agttctgaac actcgcatgc cagctcacaa ccatctatct gtaactccac atccagggat 300

ctgacccttc tgacttcagt ggctcccaga tgcccaaagt acacacacnt acacatacnn 360

atagaatcgg tatataatta agagtgcctg cagacaccta gaaatggcag ctgtgaagaa 420

ggacatgtaa ttttcactaa atgtcaggat gagaaattta tcaagattct gttacaggtt 480

ttcagggtca aagc 494

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<212> DNA
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ccatcagccc cttccagtat tcctcatgcc tctatctgct gagtacaagc atacgtaatt 120

ccgtgtgatg ccaccagaat tacccagatg tatgaggccc aatttacaga atcaagaaca 180

aacatggttg ttagcttaga ccactaaagt aggaaaatga gacatgatga aggtgaagag 240

gttggaatat ttagatggta aatttgtata aatactgaaa gggggcatga agtcaactca 300

tgatgtcatc ccttaaacta tggtgggttc aacatcattt agtggttatt ttaantaaat 360

acagaaagaa tttggaattt gatgaatttg tgaagacaca ttcctatcat gtgtgtaatt 420

ntttgagtaa acatatgtgc tataacctca aatttagtga gatccaaaat caggggctta 480

ttaatttntc tatcttacct atatggacaa tatcgtgctt gaacatatgt ntntgaccag 540

agaggtattg agaacgtttc caaca 565

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<212> DNA
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<223> n is a, c, g, or t

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tgatgtgatt tacaatgggc atcaagactc acagaatttg tttcaatggt gatccgtaag 120

catacattct ttgtgatctt cacccagaac actgtatggg aagcatcaaa atcagtcctg 180

tgcagtgctc ttctgtggca tcgagcgctc tctctctctc tctctctctc tctttctctc 240

tctctctctc tctctctctc tctctctcct ctctctctgc atttgtgtat ttgtgtaatc 300

acacacacat atgtaaccaa cattgtatgc atttagaana caccctgcca tacacaatga 360

gaaacaaacc attcatttta tctcagaacc acagctacac cagaattcat atttgtgcaa 420

gtcattgtta ggctaaataa gaaatatatc ggantcctaa caaantagtt tctgttcaga 480

aattggggac atgagctcta acaacagctg gtgcatgttc taccacatgt a 531

<210> 7799
<211> 322
<212> DNA
<213> Mus musculus

<400> 7799
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ataacatact cggctttggt tgatcatcat tgagaagacc acacatctct gatcggaggc 120

agtgaagcaa acggttgact tagagagctt tatttaatgt gtgattcaga taggatgaat 180

gaatataaat tgctgtgttg atactgaagt cctgagaaac agagcctcaa ggagcctcag 240

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ctttcttaca tgtctgtgcc tt 322

<210> 7800
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<212> DNA
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<223> n is a, c, g, or t

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<222> (373)..(373)

<223> n is a, c, g, or t

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aattccatcc acagattagt ctcatccaga ttgatggaga tgtatttaca gtaaaagaat 120

caaggttaca caatgtttcc aggttagcgc cagaactacc tgtgatggca acttttacaa 180

cgcaacaagg ttgctaagat gtgactgtga tcttgccttg tttcacaaca gtctcttgtt 240

tcaaatttaa tgtgttcctt ttacttatat gtcantcaag aaattgntga tgaggtaggc 300

aggaaaatca gnatctaccc agatgactgg ttacaacata atcttcactg tcttgacaaa 360

tactaaagtt ntntacaact caggagggaa agaaacccag aagatccgta tccacagctt 420

agcagtcttg taagttaaag caaataatta agctccagta actgtaccac ctaagtcagc 480

ag 482

<210> 7801
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctccacatc aaacaaaagg gaagataagc acaggtgtta gagagcagag ctgtgaatgt 120

ggctttgatg ccatcccacc tgtggacctg taagctgctg tgcagacttg acagcctgtt 180

gccgccacat gtcctcttga catccgagtc tagtgaagcc agttgttcca tcagctgaag 240

caaaactggc tgtcagtatt tggtgaggca gccctgcaag gcttttcggg ttctgttctt 300

ttaataaggc catcttggaa cctgaagact ttggggacag cagcagcaga acccctgcca 360

cacntgccan ttcacactng ntgtcaaacc ttccaggttg aancnattgg aaacatttgg 420

aaaggcctgg tcagg 435

<210> 7802
<211> 479
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gagtcaaaac cattggattt gccatgtact acttcacata tgacccacgg attggcaaac 120

tgcttcacct agaggatttt tatatcactg aagactatca aggtataggt attggggctg 180

acatgctgaa gaagctaagt cagatagcca tcaacaccga atgctgtggc atgcagtttc 240

ttgtcatcat ttggaatcag gattctgttg agtactatac tcgcctaggg gctttagacc 300

tntcctgtga ggaaggntgg catctnttca gatttaactt ggatgatntn ctggagcttg 360

cagaggaaga atgaaaacaa aaacaaacaa caaaaaaaaa cccaaaaaca aaaacaaaaa 420

caacaaaaaa acagtaacaa cttatcccaa aataggcctc aatgtttgaa tgtcacctg 479

<210> 7803
<211> 442
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (352)..(352)
<223> n is a, c, g, or t

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tacggaacta cacctatggg atccggttcc ccacctccca gatatgaagc cccgcctatg 120

gggtatggaa ctcctccttc agggcgtgag tccatacctc ctggatcaag ggccacgtct 180

gtagcacagg aagctccacc tgctgggtct gaagcaggcc atcccatgtc tgtggcagtc 240

cagaatcctg aattccaggc atcttttccc tctacctcgt cctcacaagt ccactctccc 300

cgctctaaga tgtaaacctt gaagtttcac cnagcaaaac agcaccctna tntngaagtc 360

aagataaccc ggaacactta ggtatctgat cacagacctg ttctaggtag tttgtttccc 420

tccttgggag tttagtcaca gg 442

<210> 7804
<211> 177

<212> DNA
<213> Mus musculus

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gaaccctaca ccgtccgggt ggaggatcaa aggtcaatgc gtggcaacgt ggctgtcttt 120

aagtgcctca tcccctcttc agtgcaggaa tacgttagcg tcgtgtcttg ggagaaa 177

<210> 7805
<211> 381
<212> DNA
<213> Mus musculus

<400> 7805
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gaatcatcga cttccttgta agtcagcatc caattgcccg tgtcctacga gaacatttag 120

tcttcaagat tgctccaatg ctcaaccctg atggagttta cctgggcaac tacaggtgtt 180

ccctgatggg gtttgacctg aatcgtcact ggctggatcc ctctccatgg gcccatccca 240

ccctgcatgg agtgaaacag cttattatca agatgtacaa tgacccagtg agtagcagga 300

tgtcctcagc agctactggc tgctggccac atctggggat ggaagattgt atgggggaca 360

tcctcggaca gctctaaatt a 381

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<211> 515
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (383)..(383)
<223> n is a, c, g, or t

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gaggagagac cagggtccca gagggctttt ggccccgtcc atcattagta tcctctgcat 120

ggatgctggt acgaacctca gatgccagcg tcatgcatgg gcactggacc tgagacatgt 180

ttagagagga tcttaaaata atccaatcaa accaccaaat tatctgcttg tggcagaagt 240

gcgcccgagt ggctgttctt gtgaagaaac agctctttga tcatctcaag aggcttcctc 300

agctgcccag acagttctgg gtagagcaaa gaggctgcct gtctcttttt ngcnagacnn 360

gnccatcagt ggtccacctg ggnaaacaca ggcagacggc ggacaagaaa gggacagcaa 420

gttcaacatg gtactggggc ttcttaccta catattccga gaggaagacg acaaagaacg 480

gagtgaccag gtcattaatt ccctggacat accca 515

<210> 7807
<211> 84
<212> DNA
<213> Mus musculus

<400> 7807
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cacaatttac atctcagctg gaag 84

<210> 7808
<211> 293
<212> DNA
<213> Mus musculus

<400> 7808
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cacatgagtt tatcctcttg tttgcctttg gtgtttccta tccaaaccag taagaacgag 180

gctagagaga tggtagttga gtgcacactg atagtgcaga gggcctgagt ttggttctca 240

gtacccatgg caagcaacct gcaactccag ctctatcagg atggcctggc gct 293

<210> 7809
<211> 384
<212> DNA

<213> Mus musculus

<400> 7809
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agcgcagccc acaggccggg ccagagaggg tgcaaacaga ctgtgtagat gcttccccag 120

tgaagggctg ccaagaattg tgcatgatgc ccccacagca cagacaagac agcaggtaaa 180

aaagagggaa cgggtgcaaa tcaaagacca ccaggagcgc atgcttcgag ggagggaact 240

cacagagcaa agactcaaag aacaactcat gcagaaagac cagagccagc tcccttcact 300

tgagaagctc catcgagtga agaaagagat gaaggactgt gaaagggcca atgcacaccc 360

acttctgcag ctacgcacta aaag 384

<210> 7810
<211> 264
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 7810
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cttgtcccta cctaaaggca gatagaactc ttancnaaaa tccctctncc cctgggataa 120

ctttgagcag atgntctttc ctgaantatt aagtgnanat gtatttgttt cacaaacttg 180

ttaaatttgg ttttttttt tttagattac cataagtttc anggctataa atgctcagaa 240

atttcctctt tttcactagc agct 264

<210> 7811
<211> 563
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (340)..(340)
<223> n is a, c, g, or t

<220>
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<222> (354)..(354)
<223> n is a, c, g, or t

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<222> (370)..(370)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (445)..(445)
<223> n is a, c, g, or t

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<222> (495)..(495)
<223> n is a, c, g, or t

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<222> (498)..(498)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gatgagctcc gcacaagtcc cttccagtcc aatgcagcac cagggtctct ggccccgggg 120

agtctccaga cacagaaaag acctacacag gatccgcgat gggatcctaa gacctctggg 180

cagtgaaaat caggtcactg caatcatgaa ggcaagagat gtggaacatg gaacatgaag 240

aaggcacatg gaaccaagtg aagtggctaa agctatgatg aatttaaaat gaggtaaaac 300

aagacgtgtg cttccttctc ctcgttcacn agcagcttgn agaggacaag gtgnagcatt 360

aaaagactgn anaatgntga aacgcttcgg aactgtgcaa gctgccccaa gacccagaat 420

aatcaatgtg gaaccctgct tactnttttc aaagggctga aatttccaac tggaaactga 480

agcaacgagg attcnttnca ggcactaatc agtgggantc ctcactactt tctgagaaga 540

gtgaaattct ccatcaatga aag 563

<210> 7812
<211> 183
<212> DNA
<213> Mus musculus

<400> 7812
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caacagtgct aatcgagata tttccgttct ccagtgccat ggagattgtg acccttttagt 120

tcccctaatg tttggttctc ttactgttga aagactaaaa gcattgataa atccagccaa 180

tgt 183

<210> 7813
<211> 337

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

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ggatgagaaa tagtaccagg aagcctggat cttagaactg ttccatgtca gctgatattt 120

cggtcagata cttgaggctg tgtgtgtgaa gggagtgatt cctacaactt cactagaatc 180

ctaaatcaag attatcttcc cacaaggacc tcagaaacaa gtgttcttca ttcacccatg 240

gacaagacac ntngtatttc tgagacagaa aactatcgct atgaggnttg tgagnactga 300

gtgacagaag ctgtgccgac agccagtagt gaccaga 337

<210> 7814
<211> 348
<212> DNA
<213> Mus musculus

<400> 7814
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ctctcagaga ccagaagaag atcgtcgctg cctttgaccc tagccagcaa agctgcttct 120

gtggtggtca gcacttaaca cagagactca taggtagtcc aagtgctgag ttaagtgact 180

attggctgtt cagtcctcaa tgggacatat gtatcaagaa ccctcaaggc tcagggtaca 240

ttttacaaag gaaggcagaa aaaagtgaag taagagacag agaaagggag aagtgctgtg 300

atatgcttca ttctggatac gacatggcta ccatactcat gaactcat 348

<210> 7815
<211> 443
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

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tagtcttctc caacaacaaa gggtcaggct ctggccctac ttctctgcca atcagcagga 120

gcctcttcca ccaaggagat ctgaaaacaa gaggttttgt gctctttcgg gcactgttgt 180

ccctggagga tgatatnaga gagtggagag caatgtgctg aagatacaga ccagagcaga 240

agagcacaga gccaggagtc agaagcccct gaatcaaaga accatggagt gctggtgatt 300

accaaggaaa ctgagaagaa acagcagact ttagagaacc ttcatgcact gtgagaatgt 360

caattcagct ggctggcttc aggtttacct gtcagccgag cagccagtgg tcctgaaggc 420

agagcaagga acccagagga cct 443

<210> 7816
<211> 202
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
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<222> (59)..(59)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (69)..(69)
<223> n is a, c, g, or t

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<222> (116)..(116)
<223> n is a, c, g, or t

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<222> (177)..(177)
<223> n is a, c, g, or t

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ctnttagtnt atgcctgtat cacaacctaa tcatcccagc gacgaccacc tcccantccc 120

ctcgcagagt gcccactcgc ttaaaacgca ctggctgtaa tgtttattac ccaatgngga 180

cacccgtgtt attgatagca gc 202

<210> 7817
<211> 405
<212> DNA
<213> Mus musculus

<400> 7817
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agccaatcca cacaaacgaa cactgggaac cctaggtgtc tactaaacat gaagactccg 120

ccctggcaga cagcaggcag caacgctgct gcatcctaag aggatttccc aaggcatctt 180

ctctttggtc ccactgtgtc ctgattgcac ctcctcaaaa tgacagacat gttttcccaa 240

gaaaactgaa tcagggtcat tctaaactaa aaaccctgag tcatgcacct ctaggaaatg 300

caaacgtgtt gcccacatct gatgcggaga tgcagatgga ctggataaca cagacacaac 360

tgcaagcatg agaacccaag tccggatcct aagcacccat gtaaa 405

<210> 7818
<211> 457
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (345)..(345)
<223> n is a, c, g, or t

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<222> (365)..(365)
<223> n is a, c, g, or t

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<222> (425)..(425)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 7818
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gcattagcta cagactgccc atcttaggtc ctaggactgc tgtcttccac aggctcctgt 120

caagtgccta tgaaaatcct cgggatactc aacaccgtgc ctttcccaga aagaaaggaa 180

tgagcaagac agtgaagcag taagtgagtg gccagagctc attccccccc ccccaaacac 240

tcagggacaa ggccacttct ccaagacagt ttctgacact ggtaccttcc cctaatcatg 300

tatctcccaa aagatgagta acttttttcct tcccatgtgc tgntnttcta gctcttacca 360

cttcntccta aagataacat gatttacttt acataactat aaagacttat tgactaacaa 420

agaanangct tagtgtacct catgttgttt tgctgaa   457

<210> 7819
<211> 463
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<400> 7819
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ctttagcgac taattcgccc gacccacagc ttctcaggcc tccgccgcca tagagaccgg 120

aactagaatg agagcctcgg ccgtgagcac catagagtac cgggaggacg cgcagaggga 180

acgttcccag atggggctgc gctcgtcgcg cacgtgggcc gcgatcgccg ggcctactcc 240

ggcctcctag aaggggctcc ttcccacggc tgggtgaacg ccggggcctc cttaatgggt 300

caggcttttg gtgatccagt caccttggag ggaccacgca ggcgctggag ctgccacgac 360

tcagcgtgtt cagggcgggg gtgatcgttt cccccggcnt ccgaggaaat gtatttcata 420

ctggccacaa atcagattta atttcgcctc acatttattg gat 463

<210> 7820
<211> 235
<212> DNA
<213> Mus musculus

<400> 7820
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accaacactg accaggtgct gatgggagat agtttacctt caaatttttt caagtttttt 120

actttacaac aaataaaaag aaagaatctc tttctgcccc tcatgctaaa gagactgctc 180

tgcaaaaaaa gatccctgtt gttttctaag gagagaccga aaggatgtgg attct 235

<210> 7821
<211> 504
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

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<222> (383)..(383)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (428)..(428)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (446)..(446)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

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attgccacaa tctctgtcat cattgctctt tggaaattga actcagggag actccggaag 120

aaagctacct tcaatccatt ccgtcttcca ggaattctga acatcattgc tagcagcttt 180

gtctttcttt ccatcttgta caattactta tcgatcattc gcaaggatgg gattgccttc 240

cccccgtctt tccacacacc ctccttccca gatcatcaaa aaattggcac tgcactggca 300

atggcaactc tatcctgttt cttatttcta gtgggtggaa taattcccct ttctttcant 360

cttcccccac gttcccgagt gcnctatact atttaaaagt aaatttncaa cttaaagact 420

tgnaaatnta aaattaccag gagttntngc aggccttctt cagatacata cttaaaattt 480

ccagattcaa aaccatgccc aatg 504

<210> 7822
<211> 455
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

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gctttaagat gatacagtct gcaaagagag aaaacacaaa gacctcacaa acaaaccaat 120

gaatcatgcc aggccgtgat aaagactctc cgaggacaca gttacccagc gatgacgtca 180

cagaaaaggc aagagggcct gacagggatc tcagaggaca aacagagtct caccagaccc 240

gacggaaccg ttccaggtgg atgaagggtg tgatcggagc ggccttagtg gagtctgtgg 300

aaactgggaa atagtgggcc ttaagctggg aatgtggatt caggccagaa tgtggaagga 360

aactaaggcg cttggacttc atcctagtgg aagaactnca atccagtgac taagcagnta 420

tgacagaatg tgtgtatttt gggacgtgtt tctac 455

<210> 7823
<211> 525
<212> DNA
<213> Mus musculus

<400> 7823
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ttgatcttac tgaccacact ggaaccctcc attcctgcag tctctcagga agtattgctg 120

aggaaacttt gggctgcacg ataaatgagt ttctcacaat gacaagtgaa cagaaaacaa 180

agctgaagtg gcaacttctt ttggaaagaa gcaaaattta tttaaaattg attttatcac 240

acagagcaag gggtggactg aaagtcacca tactctcctg taagcttgca gatcctactg 300

aggcaagcag gaacctggct agacaaggac atacttaaaa ccagattttg ctccaaattc 360

tgggaaaata tagacattta actcttacga tggaatgtta gcttgagaat tatgtgtaaa 420

attacatttt gcctaaatgt ggtaaaatta tttcttagat tgtcactgtt tccttctaga 480

gttagctcag ccccctggaa taccatttct attaacctta ccctg 525

<210> 7824
<211> 545
<212> DNA
<213> Mus musculus

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<222> (341)..(341)
<223> n is a, c, g, or t

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<222> (416)..(416)
<223> n is a, c, g, or t

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<222> (430)..(430)
<223> n is a, c, g, or t

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<222> (499)..(499)
<223> n is a, c, g, or t

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tgcaatattt gagatagaag gcctgcataa tttgccttca ctgaatattc tcctgttgca 120

ccacaatgag ctcacaaaca tcgatgctac tatgaaggag ctgaagggga tgcagaatct 180

gcggagccta agtctgtacc aaaacccttt atcccaatat aacctctacc gattgtatat 240

aatcttccac cttcccggac tggagttgct tgatcggaaa caaattacag agaaagagag 300

aagatacatg attaccattt ttgaccataa aaaagctcat ntgattcaat cagtagcatt 360

tggaaaacga gtggatgcct cctggaaccc caagttacca ataaagcaaa agcggntcaa 420

aaaacctccn tcagattttg catttgggga taatgttgac aagtaagtgg ttttttgttt 480

gttttttact tctttcctnt tattgacaga ctgttttata attgtctcat ttctaaatta 540

cccct 545

<210> 7825
<211> 450
<212> DNA
<213> Mus musculus

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<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
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<222> (393)..(393)
<223> n is a, c, g, or t

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gaatgagaag gaacggctcc ccctttctga atcagcatgg attgctgttt ctaccttccc 180

gcagtcgtac atctgccaac cggattttcc aaatcaaaca ggaagaaggg atggatatgg 240

caattagaga agcaatgcat gagagggaca tgcatactgc aatgcagata agtcggggta 300

cggaacaatg tctaaatctg aatgacaata acaccgtgaa gtcatccact atgaggaaca 360

tnaatccaaa tcnattttcc ccagtggntt ctntccccaa aagacctagg aagaatccac 420

accacgacca tctgaccttt tagctcaagt 450

<210> 7826
<211> 429
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

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ccccgagcag gcgaagccag cgcctcagaa cgcaggaaat gggtgaaagt atttaaagca 120

tgcgatgaag acaacaaagg ctacctaagc cgagaggact ttaaggttgc gattgtaatg 180

ctgtttgggt acaaaccctc caagatagaa gcggatgctg tgatgtcttc agtaaatccc 240

aacacttctg gtgtttcact tgaggggttt ttgagtgccg taaagagaaa gaaggaagcg 300

cgactctatc ggaatgagat aaggcagatc ttcacagctt tcgacgtgca ctatcgtgga 360

tttttaactn tagaagattt caagagggcg tttagtngag tggntcccaa gctaccagcg 420

aggacagtg 429

<210> 7827
<211> 405
<212> DNA
<213> Mus musculus

<400> 7827
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cagaacacct tcttcaagaa agaaacctgt ccaaatgcct gaactcttct acgcctgttt 120

tgtttacgga tatgctcaat tatgtgacat ccagcattct tgagctgact gtcaaggaca 180

gagacagcca caccagctgc aacaaactca ttgccccaga gcagaagtcc aagccaactg 240

ataacatcga tgaactctgc cagctcttca aggatagcca gtatatggct gatgagactc 300

caggatgcta caagacacca agatccaata agataacagg actctatgag gcaccaagac 360

ccggtcccaa gtgatgatat ttgcatcttg gaggctgggc atcca 405

<210> 7828
<211> 45
<212> DNA
<213> Mus musculus

<400> 7828
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<210> 7829
<211> 536
<212> DNA
<213> Mus musculus

<400> 7829
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ccaaaattga gtaccggctg gtccaagagt ggtttcctac ctatatctga agagttgagt 120

atatgtgggg cccatctcat tcactgtgtt ctaggcccta gggtgttttt catcctaaca 180

ggaaactgat ctggcctagg gtgttgtctg caagtcaccc atgggcacca ttgccttcgc 240

caggccgcgg tttcttaatg tagtactgga agttcatgta tttttcccaa aagggtaggc 300

aaagttttca agagtttgtg ggttgttttc tgggagggag gatcagcaac agtctccatc 360

agaattcagc ggggttgtga gaagagaccg gagaaagggt acggggagga gaatagttcc 420

cggaaacatt tgcccagatc cctgggtcac acacctgctg tcctcctccg tcctcctccg 480

gcatgggagg agccctgagc tccaggggtg catgtcactg tttggccctt tgggaa 536

<210> 7830
<211> 230
<212> DNA
<213> Mus musculus

<400> 7830
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catcgatgca ttgctgttta ctgagaagag gaggaacaaa gcgaaaagtt ccctggcgag 120

ggaaactaag ctctctgcca cccaactgag gcagaagcag cactgacgtc acccagccct 180

ccgctgggtg acacaagatc atatctacat gtataatcac tcccaccagg 230

<210> 7831
<211> 491
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<400> 7831
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cagcaggaag cggtgccagg gacccttccg agacatcaat gaagtcttgg aacagcgtta 120

taagcctttg gagcctaccc tgagggtggc agaacccatc aaccaccttc gtctggccag 180

agaggcattc aagcaagagg aacgcatgcg caangtgcaa gacaagatgt ttttgccatt 240

ttcttcctac cataaaaagg agaagtacat cccaatgata cactcgtcaa gtgcgtataa 300

ttctgactct tatggacaga agcactttcg cagtcaagac tctaagaagt ggatctctga 360

caaggatttc cagactgttc tgccttcatt tcaactcttc tcgaagtatg gaaagttata 420

ttcgaaagct ggagaaattg tataaaggac aatggaaaag aagacaggga acagcagcag 480

gactcctcaa a 491

<210> 7832
<211> 454
<212> DNA
<213> Mus musculus

<400> 7832
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ctcagaccag accatcaagg agcttattca gagcatcctg ggccagaact acgacatcgc 120

aatggaagat atttctttga tggaacaaat gtacctcaga ccatctcagg tgcaatttga 180

agtacccaag gaggtggaag agaaaaattt cccaccaagt attacggaac atccagttgt 240

gccgagcatt tatgaggagc tcccggagac tgtgtcaagc atcttccagg tggaacagga 300

ggaagctatg aaatgggtag acagagacga aaatatcgca gcttttaaat ctcaggaaac 360

gttagacatt gtgccacctg aggacgacgg taaacctttg gatagtgctc ttcccacaac 420

tgatgcaaaa ctaaccagcc agccaacttt aaag 454

<210> 7833

<211> 552
<212> DNA
<213> Mus musculus

<400> 7833
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gagaaagaaa acagttcaga gggcccaact cagaaaagtc ttcgtgaagc cagggaagaa 120

gttggatata aatcaaagtt gaagaatgag aaaaaggatt cagaatttcc tgtagatatg 180

caaccagatc caaacgtgac ttcatgtaca gaaaacgttt ctgcagcaaa atttgactac 240

aagctaaaca atattttcag acttcatgaa ctcccagtga gctgcatcgt catgcatccc 300

tgcagagact atctcatctc ctgtagtgaa gatcgtctct ggaagatggt gggcctccca 360

cagggcaatg tacttcttac aggatctggc cacactgatt ggttgtctgg ctgctgcttc 420

catccgagcc tgacctgatg gagtcgatca gggaaggatt gcactcgtcc tgtttctcac 480

ggccagctgt ggttgtgtct cttctgtaga caagacctgg ggtgaagaat gtcttagcat 540

tggcttccat cc 552

<210> 7834
<211> 370
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<400> 7834
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atgagagtct gacaaggcca gcatcctgct ttcctaagca tctgaaatga aggctcttcg 120

ggtccaacac ctgagtcctt gagctgacaa gacagaattt gagcttccat attcatctgc 180

taactccttc ctccgctgag aagtctgctt tcgtgaggtt gcatggctga cagtcatttg 240

gcttcttggg ctgatccaca agaccagtag cattatggga aggagctggg aaggagntgg 300

gaaggccagg aagatgntcc tgagcaccag tttcaatgan cagaggaaca acgggcttta 360

tggaccattt 370

<210> 7835
<211> 162
<212> DNA
<213> Mus musculus

<400> 7835
aaacaggaag agatagatac aaacaggaaa ctgcttcttg acaatatgca caataaaaac 60

atcatccgag ctgtagaaca acagcagcaa gaggaggaag acgaaaagat tagaaagttt 120

atcaaagcca aaaaacgtct tatacaaatg aggatggaca aa 162

<210> 7836
<211> 464
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<400> 7836
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gaggaagaag aagcaagaaa gaaaagtgaa gaaaaagatg ctgaggagat gaagcggcag 120

aatttgctgt atganatcga gatgaagaaa aacctaagca agaaacagga agagatagat 180

acaaacagga aactgcttct tgacaatatg cacaataaaa acatcatccg agctgtagaa 240

caacagcagc aagaggagga agacgaaaag attagaaagt ttatcaaagc caaaaaacgt 300

cttatacaaa tgaggatgga caaagatgct gaaacacata ggctaatgga agaacggaga 360

gaaagaataa ataatttcct aagtaaacta ataaaagaga aacttgatac tgaagatttg 420

attatngcta gagatatttc tgaagctgat gctgaactgg agaa 464

<210> 7837
<211> 190
<212> DNA
<213> Mus musculus

<400> 7837
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gcatgtgatg tcaagacacc ttctttctac ctgagagaca atgacatgtg acactgagga 120

ggaaagtgtg tagctcaaga ccagcagaca aatgaaagct tgttatctca tgtagtgtgc 180

agatggacag 190

<210> 7838
<211> 466
<212> DNA
<213> Mus musculus

<400> 7838
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ggagctcccg tgtatccgaa aattctcaga accaccctct gcccagcccc tctgcctttg 120

catggagact tcggaagact ttacgcacgt ggaggtgctg caggctttgg aggccgagct 180

gcccggggcc atggaaagcg ggcgcgtgaa cagcatccgc tacgagaata tgaatgtcat 240

ctgcggtact gcgggccgca gggacaggtg gctcatcacc gtcacagact tccagacgcg 300

gtcacgcctg tgcgctccgg gctcaccctc cgtggaaccg cgtacccact ggtgcgccac 360

gacgatttac tgctggggga ctaccgtttg cacctgcgcc gctctctggt ccgaaggcgc 420

atgctcgaag ccctcggggc ggagcctgcc gacgaagatt gacgca 466

<210> 7839
<211> 514
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (262)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (273)..(281)
<223> n is a, c, g, or t

<400> 7839
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cttgcttcca gcattcagct tccatcttgg tggtcgatgg tggtcaaccc caaatgacca 120

gagaacttca cctcctgggg cctttggact atgagcagca gaggttgtac aagatcacca 180

ttctgctgat tgatcacagt caagactggg acctcaacag tcaccgatca ggttcatgta 240

ccataaccat tgaggttgag gnnnnnncna nannnnnnnn nctgattgtg acagaattag 300

aggctttctg gaagccagag ccctggtttg tggtagtgct gacagcaact ggtgcagttc 360

tccttctggc tctgggttgg ctcctcagca ggatcctccg gggcaacatt ttgatggcag 420

agcccaagat gtctgtatgg ggagagatta cctgttcaac acactcacgg gagcccggcg 480

ttggctgtga ggcggagtag ctgctttact ctgt 514

<210> 7840
<211> 444
<212> DNA
<213> Mus musculus

<400> 7840
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gcgtgctaga gctggcatca tgcagggtat ttgcgtacat atatgtctgt gtacctcgtg 120

tgtttttggt gcctgtggag gccagaaaag ggcattggat gccctgggac tggaaatgca 180

gatggttgtg aggcaccata tgggtgctgg aaatcaaacc caggtcctct agaagatcac 240

tcctgttcct gggctcgcct gaccacttct tcctgtagtt catccaattc acttctagag 300

gtgacctccc catctgagat agaagcaaag aagatcaatt accacacctc cagaatcaag 360

gcgaattatc tgttaacctt atggtcacga tgccattttc ccttggagct ctcgctttcc 420

agtttgtttc agatcccttt tcat 444

<210> 7841
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (50)..(51)
<223> n is a, c, g, or t

<400> 7841
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cagtgcacac gcccatatga agcggttttc tctgagatgc aatggtggac cagcttcaag 120

gaacatggaa gtctgtttct tgtgacaatt ttgaaaacta catgaaggaa ttgggagtag 180

gaagagccag caggaaactg ggctgtctgg caaagcccac tgtgaccatc agcacagacg 240

gagatctgat caccattaaa accaaaagca tctttaaaaa caaggagatt tccttcaagc 300

tgggagagga gtttgaggaa accacaccaa gtggccgcaa aagcaagagt acagtgatct 360

tagataatga ctccttggtt caagtccagg actgggatgg caaggaagcc accatctgca 420

ggagactggt agatgggaaa atggtggtgg aaagtgcagt gaataatgtc acctgtaccc 480

gaacatacca gagagtttaa gaactccatc tcaaggtctc catgctctca aattgtc 537

<210> 7842
<211> 431
<212> DNA
<213> Mus musculus

<400> 7842
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gtgggtcctg attaccaata cttaccttat tagaaatgac aacctataag attcttcaat 120

ggccttctca tctctagttt gcacagggct cgcagtgttt ggctttttt ccagagcttt 180

atcagagcaa cttcgcttaa gactctaaac tcgggtttca gagtgatgcc gccatttaac 240

gggcattggg acaaaacgcc agagtaagcc gtcactttag tgtcagccta agcacggaga 300

gggtggtctc agcctgctca gttgctctgg agtagattct tgcttctgga gaactctaga 360

acctcctgag tcagtctcag catcttcaat taaagctaag tgcaaaggat ggaaatcttg 420

ttccctcagc c 431

<210> 7843
<211> 316
<212> DNA
<213> Mus musculus

<400> 7843
ctccttcctt ccactactgg aggaacgtac ttgatgactg gtgccagagg tccaaaggtc 60

tcctcagtga tgcagagcat gtccctggtg acattgctga gcagggtggg ctcaaagaaa 120

tttcctccac tttggtgtcg ctttccgccc gtcacaaccg tggccccttt ggcaactgcg 180

tcattcacct gcttctctac ctgagagatg agaagaaggg caccagggaa agctggatag 240

ggacattttc caaactgtac aatcccttaa aatgttaaac agcaaaaaac cagtcaagac 300

tcgattcctg ggaatc 316

<210> 7844
<211> 336
<212> DNA
<213> Mus musculus

<400> 7844
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aattccagga cagtctaggc tgtacagtaa gaaactattg taataaataa attaattaat 120

aaattaattt taaaagagga gaaggaggag gacagaacag aaccaaggct cccagtgaac 180

tttgtatgtg atactcaagt agcttgtgtg tgcacgtgtg aggggacaaa ggtcagcctc 240

gggtgccatt cctcaggagc cacccacacc cacatttttg agatagcatc tctgactggg 300

acatgagact tgtagtagct cacattagct cctcca 336

<210> 7845
<211> 446
<212> DNA
<213> Mus musculus

<400> 7845
agcgaaagcg agagcagagc tgcatgaagc atcagatgga ggcagccgcc agccacaaga 60

ggaacaccat cctgaaccag ctggtggacc agaggcgaga tctgcagatg cttcagagga 120

cacagagaga gcacatggca gacagagctg ctgagatgga tcgagtgaac agactcaacc 180

agtgcttgca agaggactgg gacaggagcc tggccatgaa gaagcagcgg gacgtggagg 240

aaaaggcctt tgagcgggct tcggacaagc tgtttctctt ggatcagtgt gagaagtatc 300

ggcgctgcag gcagtgccag aggcgcacct gcaacacggg cgagagcaac ttgtggccca 360

tgaataagtt cctgcagggc tcacgattgc tcgtgtagaa ctcaacgctt gaacctacta 420

tttcccgagg aacatttatt tggagt 446

<210> 7846
<211> 508
<212> DNA
<213> Mus musculus

<400> 7846
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aaagaacgag agaagagaaa ggacaagaac agggtcgtct cctccacgtc gctgtttgaa 120

tcgtctggca agaaatccaa gggaaacaag caaagagaaa ctgcctttct ttcaaggaag 180

aaaaagaagg aggtagaaga gagaccaaaa ggtttctatt ctcctttctc atttcaaaac 240

tctatggatg tggataacaa ttccctgggc ctaaaaagcc cctacagaat caagtctcct 300

tccagtgagg gcagcagcag tatctccaca atcaagcagg acatgctctt ccagctctca 360

ccctcctcca tggaatgaac ttgcccaaga acaggaggag actgcggagg tgaccctcct 420

gtctttgatc agatgcggta gaaagcggat tcagcaatgg caactgagag ctctgatgca 480

gccagtgatg catggaacct ctcccagt 508

<210> 7847
<211> 529
<212> DNA
<213> Mus musculus

<400> 7847
gcatccctgc atttgtggtc aatgggcaca gtggccatcc tttgcaatat tgggtcagtc 60

ttacagagta gcctctttag aatctccctt tcagttacct cacatgacaa aaggagagga 120

aatttcccgt gtttcagaag taaaaggaaa ttaccctcag acacctccat cacacttgct 180

gagactcacc cggaagatgt aaggtactgt tctcttgtcc gtggacttga gggctacgaa 240

ggctatgctg tcatacaggg aagtatggct cagtacacag ggaccgaata tggcgttctc 300

tgggatgtcg caggttgtat atacactggt aaaaatgtct gtcagacact gttggacagc 360

cttggcatct ccatcccaga tgcctctctg gatgcctgaa tcctccatca ctggagacag 420

atacccagga cgagaagaga gttgttattg ccttttctgc tacgaacctc ggcagagcgt 480

ttccgctacc agacatattt tctttgcact tgccggcttt tttacatag 529

<210> 7848
<211> 471
<212> DNA
<213> Mus musculus

<400> 7848
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ggagccagta aaaaggagac agccagtcaa atgcaaggat tcatcacttt ctgcttcaac 120

gtaatgagtg caatggaacc aactgtctct agctcattcc accattactt atccactttc 180

tatcaacaga atccttcaaa tgtgaaccaa aagaaagcat ctcctcctta tttcttgaag 240

agccagaaaa gagctgataa aacgatgtat gtagactttt tgtctctgag tgaatcttaa 300

tatcaatttg caacagaaga gccaaactcc atctactgtg agatggtttc aggtagggat 360

gaaccggttc atgtccctgt tactgcaggg atcctgtcac tgtgtccaac ccacataaga 420

agcagactgt ttatcacaaa caatgggata ctgcttatcc agctgccaat t 471

<210> 7849
<211> 384
<212> DNA
<213> Mus musculus

<400> 7849
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tctatcgaga cctgccagcc agcagggtgg gggggagccc tgaacctagc caggggggctg 120

gagcccccca agaccctggg ggaacagccc aggcctgtga ggagtacctc agccagatcc 180

acagttgccc cacgttgcag gaccgaatgg agaagatgaa ggagattgtg ggctggatgc 240

ccttgatggc tgcccagaaa gatttcttct gggaggcact ggacatgttg cagagggctg 300

ctggaggggc tggcccagac acctcgactc ccgagagctg aacccctctt cttagccttt 360

cctcctgaag gaagtcgagc cgtg 384

<210> 7850
<211> 132
<212> DNA
<213> Mus musculus

<400> 7850
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aaaatagagg acacaagcaa acaagacagg ccagtgaaag agtctcctgt gctggacagt 120

ataagaaagc ca 132

<210> 7851
<211> 412
<212> DNA
<213> Mus musculus

<400> 7851
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cattcttcag gcttttccct actgactcac aagaggctgt catgtataaa ggagaacaca 120

ccatgaaggg cttttgtgac ttcctggaaa gccatgtcaa ggttaggatt gaggaagaag 180

atgagctatt gtacattgag caaaatgaag aggaggaggt gttagctgag ccagagattc 240

agctcataga gaagttgcct gagaatccac tgctcaaaat agaggacaca agcaaacaag 300

acaggccagt gaaagagtct cctgtgctgg acagtataag aaagccagaa gagccggaga 360

gaaggaagga aacagctgag agggaggcgg cggcagctca gccgaaggaa ca 412

<210> 7852
<211> 413
<212> DNA
<213> Mus musculus

<400> 7852
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tgaagaccat taaaggggca ggatttgagc tgaccctgat gaaggaaatg cacctgactc 120

cagagcatgc aaacaaaatt tatttcaaaa taacaggaaa agatttttat aaaaatgtat 180

tggaagtctt atctttgggc atgtcgctag tcatggtttt gaccaagtgg aatgctgttg 240

cagaatggag gcgaatggtt ggcccagtag acccagaaga agcaaaactg ctctccccag 300

aatccctccg agccaaatat ggactagaca ttttgagaaa tgctgtccat ggggcgtcta 360

acttttctga agcatcagaa atcattagta atgtgttcac agagggtaat cct 413

<210> 7853
<211> 354
<212> DNA
<213> Mus musculus

<400> 7853
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gaggttgtct tactaaaaca gctgaacaga gtgtgggaac tctgagatct tggagaagca 120

tgtttagaaa gtacctggcc tctctcccag aagctcttca tccatcggtt caggtgggat 180

acaataactg ataagatttt tgataagctt ccagagcgac ttgggaatcc caagacggtt 240

tcatcacctc agggagagct tgggtgtgga gctgaagagt tcatgtgagt tttggaaagt 300

gtgcccaccg aaggaataat gacatccttg ttttcttttc ctccagataa gatg 354

<210> 7854
<211> 364
<212> DNA
<213> Mus musculus

<400> 7854
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agtattctgt gggagcgacc caaaataatt ttggaccaaa tcaacataac ttcggagcaa 120

atggaaactt ttgtgggaca gttggaagag gaggaagtac tggaggactt aatttttctc 180

aagtatatgg caattttctg aatgtctgca atacacttcc aggtttccaa gactctaatg 240

gtgattattt cgtcctctat agttatgggg cttatgacgt aagatatgca cctaattaca 300

atgttcaaat aagccagtca actctccttg gtaatgatta ccagcgaatt tattccgcgt 360

tttg 364

<210> 7855
<211> 561
<212> DNA
<213> Mus musculus

<400> 7855
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gtgctctgaa gagtgaggac gtgatcctca tcctaagcct ggtgcagggc tgtgggctgg 120

agctggagca gtctggctgc cagctcacct gggaccctac agtcgtgcct cagctttctg 180

cactctacgg gtgcctcaca gggctacagc tactagctga cccatgtcct gggctttcta 240

ggacagtgtc tgaagaggaa acaccgattt gtccctaagg tctcatccaa tctgatgcct 300

ggcagcctag gatgtcactg accctcacta gtggtcacag ctgatgacac ggttccacca 360

ggagaagccc cacaccacac tttaagactg gtttcaaaca tctgaaacac ctattcagaa 420

caatatcctg aatcagtgtt atttctgagc agtgcaggct acctgtaaaa cattttggct 480

gtgtatctta ggtagcatag tcccttctgt gctcaggtaa aatcagccat tgtaaaagat 540

ttgtggtaat tcccagggca c 561

<210> 7856
<211> 286
<212> DNA
<213> Mus musculus

<400> 7856
aaaactcatg ttgccaccaa agtatgatgt agataggagt ggtggacact tcatgggcat 60

ccctagagca caataaggag agtgctatgt gcagctgagc tctcgctttc aagaaacatg 120

atagcaggca tcagcttaat ggcacagagt gcccagagct cctgtcccac gagtcaggaa 180

atggatgcac ccagcccacg taggagggag tgtttcctcc ctgccctttg cagaatttct 240

cctagtgttt tcttcaggga agacatgctt gaaaggcaca tccaaa 286

<210> 7857
<211> 547
<212> DNA
<213> Mus musculus

<400> 7857
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agccaggagt gaggtgccca gaacaaaaat ccctgtttcc aaagtgctgg tccgtagggt 120

cagcaaccgg ggcttggctg ggaccaccat cagggcagca gcatgccatg acagtgccaa 180

aaagttgtga ggtccccaag gccaaggagg atggatgggc catatgttaa ggaatacaac 240

tttcccctgg aaaccactga aggaagttcg ctttctccaa agcaaatcat ttaggaccca 300

cccttctcca tatggcctag aagtctttgt tggagacagg ggcaggacac cctggaaggg 360

ggatgttaca cctggagttc agataagttt ctgagaattc ttttctagcg ccttcccttt 420

tcttttaacc tttacagaag atctgggctt ccttctcctc ctcttcctcc tcttcctcct 480

cctcctcctc ctcctccttc tcctccttct tccttaattc atggatcatt cagaagtcac 540

ctttctt 547

<210> 7858
<211> 333
<212> DNA
<213> Mus musculus

<400> 7858
aaggaacctg gatcgcagag ctgccttggg atgggatgac ctcgcggccg agttagagag 60

gagacacgct ctgtgtttgc aaaaaaccac agcagttagt ttggaaagaa ataagctgct 120

gttcttcaag taaagggttt ttctttacat aattaaattc tccaggtatc tctgtgaaat 180

actctgactt gttagaacct gtgagttgga atccttctat agctttacta aaactcacac 240

agcgcagcat aggatatgtg tggaggtgct tagccaggca tgatttatat gttgatttca 300

gtcacaaagt tgatcagcag catgtgaatc cag 333

<210> 7859
<211> 429
<212> DNA
<213> Mus musculus

<400> 7859
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aggaactgta aacaaccagt gagccgacaa tttccagtct catgcagcat taacaaatcc 120

aagtgttagc cgagaatttg tgataatgaa gactgtaact ataagtccat ttttgtgaaa 180

aaggttgcag agtccgccct cttcgtattt tgttgatatg attggttgtt atactacctt 240

ttgttggtat tttgaaggga aaatggttag taaaacattt aaatgtatgt gtcccatgac 300

tctgaaaaat ggttcagaat ccatcctttg agatctgtac acaaattatg tgcatgtctg 360

tctttacctt ccttaacaat ttgtttctaa taagaaaaaa tatggtagac gaactcaaat 420

gccaaccag 429

<210> 7860
<211> 107
<212> DNA
<213> Mus musculus

<400> 7860
ctcactgtta tcatggtgat tgtacatacc tctctttgct tatttaattt gccagtggcg 60

gacatggttg aagcagattt accgaagttt aacaggcagc ctccttt 107

<210> 7861
<211> 335
<212> DNA
<213> Mus musculus

<400> 7861
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cactgttatc atggtgattg tacatacctc tctttgctta tttaatttgc cagtggcgga 120

catggttgaa gcagatttac cgaagtttaa caggcagcct ccttttcct tgatggttgc 180

tgtcatcagt gctttattta ccagacctgc ccagtcgtta gctcccatgt tgatactgtc 240

taagctaaac cagcatgagc atggagaggc gaacaacaga cttttagatc ttcaggacag 300

catgtttaat tcggtctgtg tggtctccct gggca 335

<210> 7862
<211> 371
<212> DNA
<213> Mus musculus

<400> 7862
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ttttacaacc aatgaagcaa gcgtggagaa gacacaaacc cgcagaccag cagaatctga 120

actagaggtg ttctcattag aagaggaaat cagttacaaa gagactataa ataatctaca 180

gcagaaccca ggacaacgaa gtgcaaagac agatgctgcc actgaaaatc gaagcccata 240

gttatcatga ctcctgaaag catgaagttg gctaccatga acagctgaaa gagaaaagat 300

atagttatat gattagaaaa tatctacttt agccaggcct caaagaacat gatcagggtc 360

ttagggacga t 371

<210> 7863
<211> 426
<212> DNA
<213> Mus musculus

<400> 7863
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tcctgcaccg acctgatttg gggtgaacaa aatccagttc tctgtgtctt aaagttgtct 120

gatgactgtc tgggatcaaa gttcaggatt tcacatttct actggctggg ggcgaatctt 180

tctaacaact ttgttggaaa aattgtaccg tttaaagttg ggagactctt agttctgagg 240

gcagagacac accaccattc aatgcttatt gaatctacaa atgctttctt gagaaaggaa 300

gacattggga ctctctatct ggtttgatga tatagagatt tatcaaggtc tggaaatgtc 360

aaaagcgatg tagcacccag gaggtcttca gcgaaacaca tgcaagctgt cttctacatg 420

atctag 426

<210> 7864
<211> 422
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<400> 7864
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ttcagttacc acctcacaac tctccagacc tcccagccct ntgaatcaac ctcttctcca 120

agaaaggttc cagccttttt ctcagtccac gtgncagaag atccccgagg gtgtacgaag 180

ccttctgaca tcccaccgag ctcacccaaa ggacagcttt atctctgaaa caaattctat 240

ccatgaaaga ccaagctacc ctctgaagaa acacttactg cgtgcacaga gatattttta 300

actcctatct cacgggaaca cggatgacgg atgaagagtt cactcagcaa gacactgaca 360

ttcgaacacc nntcccctgt tatntgggtt gacttcctgg tgcctagccc ttgttaattc 420

aa 422

<210> 7865
<211> 488
<212> DNA
<213> Mus musculus

<400> 7865
gaacatgctc atgtcttctt agtagacatt taggtgtttg ttgtctttct tcccaaactg 60

acctcaggga ctgtcccttc acttctgccg agagaatgat gcaaaccctt gaggacgatg 120

tgttcctatg gaatccatct gtgacacctc tgtccctgtc aacaatattt ttgacagaca 180

accattaatt ccaaatttgc ttttctagca ccaactgttt tgggagctct tctcggtcag 240

ttgagagcac agcagcagga ctcgattgca gtgcagtgaa gacaagtgta gccatatctg 300

cttatacaca caccttactg ttccccacca cgtgaacaaa aactgcctcc atctcagggt 360

agaaagcctt cctccacctc tctagggcga gttaagcact gcgtcttctg tgggtggcag 420

cagacagcag ggaagagctg ccctgcttct ctgcagcttg ctagatgatg tcacgattgt 480

cttgagca 488

<210> 7866
<211> 477
<212> DNA
<213> Mus musculus

<400> 7866
agaccccagc tcacaggttc agtttccaac acacagggca gagccgcctt gccagagtgt 60

gcatcaagaa ttcaacagcg gggatataaa cgcccggagc ctccaggatg caggaaactc 120

tcagtcctca gccctgaacc agagaggcat catgtccaag aaatctgtac tctctggtga 180

ccaggaagaa cctgtgggtc tcccagcccc cgattcagag atactacaac tacctggaac 240

acaaggctgt ccccgttgtc cagagttaca gaaggaaata gaggacctca ggaaacaatt 300

gtcagccctg caggctgtca gtgagaagtt ccagacccat ttaagttaaa cccaacgtgt 360

ccacaagaca accagctgct gtggttccga ctcctcctcc agattctccc tgcctcttgc 420

tgctgctttc tttgcccccc gccccctttcc gagttaacag tcgtttcgaa ctcaaat 477

<210> 7867
<211> 418
<212> DNA
<213> Mus musculus

<400> 7867
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cttctccatg cttatttctc aatttgaatg ccaggcaaga tcatcatggc tgacaggaga 120

ggctccagca tggaatgatc ctatactgaa caaatcctat gaagattcaa ggaatagact 180

ccgtccaggg agaagaagga acaggccatg agacccaagc ctcaactctt gcacaagaat 240

gggtgtattt tctcccagag aaagatgatc cagaaacaat gcttggaaag aaggagaagg 300

agtggaaatg acagaaaaga agcaaaagga agaaataata attttgaaat catcatagga 360

tccagctgtc cacactcagc gttgtttctg gcctctagcc gtggctttgg tgacgtga 418

<210> 7868
<211> 372
<212> DNA
<213> Mus musculus

<400> 7868
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tgccacagag acatctgtgg attttttttgt tttgttttgt taagagactc aagtttatg 120

atcgtgtact actcaaatca gagcaagaaa caaatgtatt tttctaagac atcaagataa 180

attcttaaaa ttttgtctaa ggacacccct cccacccccg tctaggcagt atgaggattt 240

gctgtttata gggtattctc agggcagcgt tattaacccc tgaggtgctt tggaatccca 300

gcatcaccca cttgggcata cgtggagctt tctggactcc caccagcagc tgactgcttg 360

tcctgttgaa at 372

<210> 7869
<211> 504
<212> DNA
<213> Mus musculus

<400> 7869
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gtatctctct tgagttcaat tttattaagt tgattggaat gtcaaatcat gttttcacct 120

caacttctcc aaactaggaa cctgattcag tgaccggaca ctaaacaact agttgttcag 180

gtccaaattg atcatcatat cctattaaaa tatacaaaga attttcaact gaggaatatc 240

aaatgactga gaagcaccta aagaattgtt caacatcacc tagtcatcag ggaaatgaaa 300

attaaaacaa cgctgagatt gcacctcaca ccagtcagaa tggctaagat cacaaatatg 360

ctaatgaaag aattttaact gaatcatctc tcatactact agtacactaa tctcttggac 420

ttcttcagca gtataatcag caatctaata attatctatg gacctgctct tagctcccag 480

ttcatcctac attctctact ttga 504

<210> 7870
<211> 488
<212> DNA
<213> Mus musculus

<400> 7870
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gggaactggg acagaagcag tctctccatc atcctcctgg taaaagctaa cactagacct 120

cagtaacttg acactcaacc ttcataccac ccaaccccat cttgtacaag acaccatatc 180

aaaaggagag aacaaaattc agtggtcaag gaaaaacaaa aggatgtttc aaaaggttct 240

atacaaatgg acagaatgac tgtgacactg tcatcctcat gagaaggaag atccaaacct 300

acaggatcat gagtgtcaac atcttttggg gagcatggtc aggaggagta atgtccaacc 360

gagtgataat aatacagcca gatcgtgatt ctaatctatt ccacaaatat agccatcttt 420

tccttggtag tttaggcatc ttccctgagg cattttgaga agagatgctc ctcagcaagg 480

atgaccag 488

<210> 7871
<211> 560
<212> DNA
<213> Mus musculus

<400> 7871
agctaataaa ccatacctca ccttaagaga aaagcttgac tctgcagagg aaatgaactt 60

gagagaggaa tctgtttata tcgtagcatc tgtcttaaag gaatttatta ggaatattcc 120

aggaagctta ctttgctcta atctgtatgg aaaatggctt gctgtccttg atcaagaatt 180

ccatgatcaa aagatttctg ctatccaaag tcttttaata cagatgccat taccaaatgt 240

tctccttttg agacaccttc tctctgtgct acacaagatt aaaggtcgct cttctattac 300

tcacatgact gcttacgctt tatcagttcg catagctcca agtatgcttt ggaatccttc 360

tctctccaac tcagggtttg ggaatgatat ctcacaaaag aaacgactgc agaaggagac 420

ttgacaagca gcaaccggat tggccaaata gcttctggat ggagaaattt ttttctcagc 480

aactgaatac ttgaatcccc aggactacat tgaattccat ttctccttca ctttattgat 540

tattccacta agaccccttt 560

<210> 7872
<211> 437
<212> DNA
<213> Mus musculus

<400> 7872
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gaagcatcac ttcagatatc ctcctcattc tagtgaactt tacgactatt atgccatctg 120

caagcattaa gaaggtgtta gtggactgaa acaaacctag aaattactgt taaacccaga 180

ataagtcgtg taaaaaagta tgtggtctga cgacttacta agcttgtaga gtaaggaaat 240

acatatgtaa aagtcccaat ggcccagcac gattgggggt ccccctatgt attccattaa 300

ttgcaaaaac aaaaaataga taaataaaaa taaaaactca gtgaattcta gatgtgcctg 360

ctgagcttgg agacttcaaa atatgagtga aagaaaagaa agtgtgttcc ttttgtcttt 420

catattgaga ggctcag 437

<210> 7873
<211> 483
<212> DNA
<213> Mus musculus

<400> 7873
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gcccaagtcc ttgcagcttt taaagccatc caacttgagt tctttgacac ctcctccaga 120

ttctgactcc tcaccaagta gaacttccac atgtaagaag gcaccaggaa tcacaccatg 180

ccattcaaaa catcagccaa catcgaatca aaacaatcct gcaaatcatt tgaatctgaa 240

aacgtctaaa ctccgtcccc cttctggctc tttcaagcaa aaacaaataa gtaaccccca 300

agtagagcct cagaacttcc aggccaagac aagcatccca aggccattag cacggccaaa 360

agagctgcat gctccacaca gcggtttgca ttctggggat tgtgtggcct ctaatcgata 420

ttctcgtctt cctaaaccaa agatacatta agtgcatagc catcacctgc caatttgttt 480

ttt 483

<210> 7874
<211> 385

<212> DNA
<213> Mus musculus

<400> 7874
gagagggtat tcaggccttc agcaaaggtt atgttcccaa cctgctgagc atcataccgt 60

acgcaggctt agatctcacc atcttcgagc ttctgaagaa tcactggcta gaacactatg 120

caggaaactc ggtgaatcct ggaatagcaa ttgtgctggg ttgtagcaca gtgtcacaca 180

cttgtggcca gttagccagt tttccactga ttcttgttag aactcgcatg caggctgtca 240

tgctggaaaa ggaaacagtg cgcatgatgc agctcattca ggaaatatac actaaagaag 300

ggaagaaggg atttttcagg ggcttcaccc ctaatgtcct caagctgctt cctgcagtgg 360

gcattggcag tgtggctcac gaact 385

<210> 7875
<211> 358
<212> DNA
<213> Mus musculus

<400> 7875
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ggtgcatgct tagaatccca ccgccgggga ggaggaaact gaagatccct gggatagctg 120

gctggtcagc ctagcttcct cagtgagccc caggctcaat gcttcctgtg gcaagctccc 180

aggggcccca cctcaagggt gcctcttccc catgaccacc tgtgaccttc aaaatgacag 240

ctgccaagga tgctgaagat ggtcagcctg gctcatcacc aactctggaa ctcagcagct 300

gcatcaatgt ggatggggaa aaaaaagtct cggttacatt gatctttgcc agtgtctc 358

<210> 7876
<211> 533
<212> DNA
<213> Mus musculus

<400> 7876
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accatcccag cttactacca tacgtgctat caatgcttcc agtaccacct gcagtgggcc 180

caaccttcag ctttgaatta gatgtagaag acggagaagt tgaaaattat gaggtgtgta 240

gtatgcatgt gtgattttga gtcaaggcag cttcttagag tcttaccttg taaccacgag 300

ttccatgcca agtgtgttga taaatggctt aagggaaacc gtacctgccc aatttgccga 360

gctgatgctt cagaagtgca tcgcgattca gagtgaccag cctaagagca caaatttagt 420

ttgggtgttc ctcatcacat gtatatatgg actatccatc gaacttaacc tgtgtgcttc 480

cagccctccc tttaccaaaa gggtcaatgg acctttcttt gcactgtgtg act 533

<210> 7877
<211> 481
<212> DNA
<213> Mus musculus

<400> 7877
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ctccggtggc ggcgagcgac agagggcacc ggcgcggacg cgggggggatg cccacaggcg 120

agcggccggg agccggaggt ccccgcggat cccacgccgc caccgggacc ttgcaggcta 180

acacgattgg agccttgagc gtcggtggac tttcctggaa aaataggaat attgccaccc 240

ttagctggcc ctgagatttg caggtgagct ttttctggag ctctgtgcaa ggcgaccgcg 300

gcttgcagac actttggaac tccaccctat cgatgtacac ctttattcag cctctattct 360

cctgactttt ccttttccta gatgaatgaa ctcaggctcc agatgaataa cagttgccaa 420

gtcatggaaa tgttaagccc actctaccag acttcaaacc ctttggctgg cactgacaga 480

g 481

<210> 7878
<211> 468
<212> DNA
<213> Mus musculus

<400> 7878
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aaagtttatt tatcatttat ttatttattt acaaaattag gcttgtgcat tgggtaatca 120

tagtcatttt ttctttgtat ttttcaccct ttcacttatt gtaatatgaa tttgtgtttc 180

tctttgttca tgcctgaaat ttaattggaa ctttcaactt gatagcctta tcaaagcagc 240

aattggatgt tcacagtagt taaagaagtc atgggtatgt ttagattggt gctttgtaga 300

tttatctcaa tattaaattt cacacatatc aaattcagga gaaaatgtat acttgaagac 360

tgaatgcctg acaagactga aaggaacact tggcaaacac ccaaaggctt aatcttaccc 420

aatatagaag tcacccagat tatgggtctg aagaattccc aaggaaga 468

<210> 7879
<211> 538
<212> DNA

<213> Mus musculus

<400> 7879
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cccagaggca gcccacaagg ggtcaggacc ccaggactcc tgccgtcctc atgctggtgt 120

ctaacagaga tctaccgcca attcatgtgg gttcaacccc acaaaaaccc aggaccgtgg 180

taaggcactt gaatatgctt caactgtcat ccttcaaagt caaagatgta aagaaacctc 240

cctcgggcag gccagtggag gaggtggaag tcatgaagga gtctgcaagg agccaaaagg 300

caaacaaaaa gaacagaagc caatggaaga aacagactct agttatcaag ccaagaattt 360

gccgtttact ggagaggtaa caaaataaat aaataaataa aatggaattc tctctcccag 420

gtctgactaa gatggagata aattgatgtt aaaaaaaact gattattata acaactccta 480

tcattgacac tgttttcaac ataatccaaa actgtcagaa gggactttat ctctcttt 538

<210> 7880
<211> 146
<212> DNA
<213> Mus musculus

<400> 7880
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aggcattttt ctggcattcg gaagcttgtg gcaacggaag tctggagtcc cagggtgcac 120

ttggtctcat gtacttttac ggacag 146

<210> 7881
<211> 555
<212> DNA
<213> Mus musculus

<400> 7881
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attcgaagat tttaaaagtc gcctaaaaac gcgcaaggag gtcatgcaga ctaaaaatga 120

ggataaagag ataatggcag aaacattgaa acattatgga cttatggaaa agcagattga 180

agagttcata acatcccatt cagctttaga atctcaaact gaaactgaaa gtcagtcagg 240

aactccttca gtgactactc ggatggccag gatgataaaa atatttgaaa atcagtcaac 300

tatgttagag aaagctttaa atgatcagca aacaattgag tctaaatata aacagttgga 360

aactgatttt caaatgttaa taatggagaa aaccctgctg gaagcagaaa tacgaaggct 420

gagagaaata gagagagtaa agtctgcagc caaagaagag caaaccaaga aatctggaaa 480

atcagaaaag aaaaaattta aagagaagga aaagtacgac atgaagatat gttatctttt 540

tattcctcaa cttgt 555

<210> 7882
<211> 423
<212> DNA
<213> Mus musculus

<400> 7882
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cttcagtgac ggtgctgagg ttgagaagca cctgcgagag gacacagtga agtcggtgaa 120

gccctggctg tctgagatca tgaattacta caaggttctc atctacaatg gccaactgga 180

catcatcgtg gcggctgccc tgacagagcg ctccttgatg gccatggact ggaagggatc 240

ccgagcatac agaagggcac gtcgaaaggt ctggaagatc ttcaaatcgg ataatgaagt 300

ggctggttat gtgaggcgtg tgggcaaatt ccatcaggta atcgtccgag gtggaggaca 360

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cag 423

<210> 7883
<211> 508
<212> DNA
<213> Mus musculus

<400> 7883
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cagatgtact tgaaaatctc tatggagcaa ttgcctttaa ggatttcatt gtacacaagg 120

gctatgatat gccaggaata ctccagaagc tttttatgaa aaagggatgg aattacaact 180

cagttaatac tcctatacca agtgtattaa aatatcatga aatgattcag aaaaaaatgg 240

atgatgaaga tgatgaaaac agtggaaatg aactttacta aaaaagattt tcttatcacc 300

actacttgac tgtgtcctcc cctcattttt catttgtatt gagtggacac cctttggcac 360

cacaaccaca aacaactctt aacattcaga aacatttctc aatgaagtta tactctgccc 420

tcaagaatat ttttgatatg ctatacagtg tgagttcaac attagaatct aattccctca 480

catagtcttt cattgacact gctacaaa 508

<210> 7884
<211> 398
<212> DNA
<213> Mus musculus

<400> 7884
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tcctttgggc tgctcccaga gcaatggtaa cacaagattc caggaatcca tcctcaaatc 120

tagaaactca atccaatgac acacacctgc agtgatgacc agtcccttca ctgagtaagc 180

agagggcaca tagacagcta tgggtggaag atgaaaccat cgcaaccgca tagacaacgg 240

tgtcaacact ggaaccaatg ccgggccaag cagggacctg gcctaattct ccagccaagt 300

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tgtcatctgc tccagtcagg tcttttgcac acagggct 398

<210> 7885
<211> 285
<212> DNA
<213> Mus musculus

<400> 7885
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tatcttctgt catgctgaaa aactgggatg gtgccttctt caactacttg gtttgcatca 120

agatccacag agacctttga actcttccag aagctctttc tgaagggtgc ccctccacgt 180

gttaggtctt cctcctgggc gcctgcctga gcgtgctcct gcatcaggtg gggtgggacg 240

ctgaccgctg gggatgactt cccactgact cgacttagaa tctgt 285

<210> 7886
<211> 415
<212> DNA
<213> Mus musculus

<400> 7886
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tgtcacagtg acaggattta agatcacctt ggaagtgaac ctctggacat gcctgtgaag 120

aattctctag tttaggtgag aagaattact ctaaatgtaa gcatgcacca ttccacaggc 180

tggggtcttg gtcagtagag cacctgaatt tatctcctct gattcctaac tgcagatgaa 240

aagtgtccag cagcctcaag ctgctattgt gacttctgag ccatgggact ctttatgtta 300

aagttatgag ctttagtata ccctgcttca agttgcttct gttccatatt ttgtcgtggc 360

atcatgaaaa gtaagcaata catcccttaa tttcagcgct tttttcagaa cgcag 415

<210> 7887
<211> 527

<212> DNA
<213> Mus musculus

<400> 7887
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tgtgtgatgg tgacagtaaa aaaccaagac ctccaggggt gggagaggaa agcagctggt 120

tttctcataa tatatgtgcc cgggtaactc tgagagatca tacgtgctaa acatcttctc 180

gtttgtttgt gtttttaaaa tatgtacgag ggatttgtct acaagtatgt ctgtgtacca 240

tgtgcatgcc tggtgccttc aacagccaga gaagagctta gatcccctag aactggagtc 300

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agccagtgct ctcagccacg gaggcatcta ctcatcgcct gcatctgtat tgaagagaaa 420

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<210> 7888
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<213> Mus musculus

<400> 7888
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aacaagtacc ccatcttcag acatagctga gtttgtgatt gatttgtctc cagtgcaaaa 240

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tcctgtgtca agtttgcaag aaagttcatc aaatgagttt tctccaaaca catcagagat 360

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<211> 330
<212> DNA
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<400> 7889
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ctcaaaactt aggggcacat gaaaggaact gaagaagaaa tctgaggaca tccgtggcta 180

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ttgccaaggt cccacaagac acgaggagca 330

<210> 7890
<211> 502
<212> DNA
<213> Mus musculus

<400> 7890
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actttcccag ctaacttgac catctcccag gagtgcaagg gctccagcat aaaaccaggg 180

ccccagcccc tttcaccaga gtagtgcgat gggccatcct gcttcttcct taggtccagc 240

tgctcagtgc ctgtgctcac aaagtggggg caagctcagc caagccctct ctctcccctg 300

ccctagaacc tgatcctcca gctgctacgc caatctacca agcgtgccac catcctagat 360

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ctgctcgagg ccatgtacca acccaccagc tctgctaaac ggcaccagtc cttggaaatc 480

acaacctgaa agtggctgag gc 502

<210> 7891
<211> 361
<212> DNA
<213> Mus musculus

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gcaacaagcc agtcatgtct ctatgtccat actgctgcta gctggctgtg ccacagtctc 180

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tctctggata atgaaatccc tgaggtctct tttatttcca agaccataag tttggtagtt 300

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<210> 7892
<211> 520
<212> DNA

<213> Mus musculus

<400> 7892
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ttttgtgccc acagccaccc ggggactacc agcagctact aaccatcggc ttcgaggagc 300

cgtcgcatgt gctggccacc gacctgctgg tgcagatcct cctgggccag gcaggccccg 360

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atagagtacg gcccggcatg ggccaccgaa taccaagtgc 520

<210> 7893
<211> 364
<212> DNA
<213> Mus musculus

<400> 7893
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gtaccaaact atcggtagct tgactgttga agttacctca ggctcctttg aagaagaaag 180

ctttgccacc ccatctctag atgaagatat accttcacct attgaaacgg atgaaataag 240

gtcatctcag attttccttt ctctgagaag ggcagctcaa attggaaaat ttcccaacaa 300

tcactctcca aagacgatag aaactagtat tcagctctct tgagacccgt tcttacgcag 360

atct 364

<210> 7894
<211> 204
<212> DNA
<213> Mus musculus

<400> 7894
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aagtgatgaa gacaaatact tggaggattt cttctttatc aagcctgaat gcaacataaa 180

agggaaggtt gcacactgga aaca 204

<210> 7895
<211> 254
<212> DNA
<213> Mus musculus

<400> 7895
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agggatgtca gctgtacata gaagataagt gtgaggtgga agagagaact tcatctaata 180

gtacatctag gacaaaatat tttaacaaac tgaatcttaa tttaaaattg tcatgacatt 240

actcttcatc taag 254

<210> 7896
<211> 337
<212> DNA
<213> Mus musculus

<400> 7896
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gtgaaccagg ctggtctcga acttgaagtc acagtcatct gcatgcggcc tgagtgcagg 120

cataggtggt gtgtgttact gcccactttg gctcctaaat ctgtggtaga taggcgaaga 180

gactgctcag cagtggagag caccctccca catgttcata actgcatgta gctccagctt 240

gtggaaatcc aactgcttta gcaggcacct gcatcgcttt catacacata ataataaacc 300

ttaagtctac cacaagccat attgattcct gacagaa 337

<210> 7897
<211> 352
<212> DNA
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<400> 7897
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ctcaggctgg tagaggatga aaatatgagg caaaccttct gtatagccct tgaaaatttc 180

agcaagtcca tttacaagta tgtcaaccac tggaaggatt ttccatatcc caaattagat 240

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ccgcaggcct cacccatgca ttcactgtgt atccattgtc ccacttgaag tt 352

<210> 7898

<211> 204
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<213> Mus musculus

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caggctcaaa taggtcacat caaaccagaa aacctattag tctgaaacgt cctattctta 120

aagatagttg ggaagcatct gaaaacaatg ctcagagtaa caaatctaag cggcccagag 180

ggccttgtct aatcatacag cgcc 204

<210> 7899
<211> 506
<212> DNA
<213> Mus musculus

<400> 7899
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actttgattc cagctccaac taataattat attcccaaac ccttcattgc ttgaattagt 120

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gcaacttaca gaagagttta ttatgagttc acagttcggt tccagagggt gagtccgtga 300

tcgtcacggc agcaggcagc aacatctgaa actggagcaa aaaacgagag cttaaatatt 360

gacccataag caggaagcaa aaaaagccca attgggaatg acttgaactt ttgaaacctc 420

aaagcacacc ccagcgacac atctcctcca acaagatcac acctcctgat tattcccaaa 480

tgacatacca cgaagcattg caatat 506

<210> 7900
<211> 458
<212> DNA
<213> Mus musculus

<400> 7900
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gtttactatc ctcttcatct tgcttgcatc cttcatcttc ctcaacatgt ttgtgggtgt 120

gatgatcatg cacacggagg attccatgaa aaagtttgag cgggatctga cgttggagag 180

gaaccttgcg attatggagg agaagcaaat aatcctgaaa cgccagcaag aggaggtcaa 240

caggctgatg aacacacaga aaagtggtag catgaacttc attgatatgg tggagggctt 300

caagaagacc ctgcggcaca cagaccccat ggttctggat gacttcagca ctagtctctc 360

cttcattgat atctacttgg tcactctgga caaccaagat gttattgtca gcaagcttca 420

ggagctctac tgtgagattg tgaacgtgct gagcctga 458

<210> 7901
<211> 505
<212> DNA
<213> Mus musculus

<400> 7901
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cctctgccac gcatcccaca gactcttgaa ggcagtaccc ttcactctta gctccagaat 120

agaaccatgt ttggtttagg ccaataagca catgctcagt tcaaatggat gactcaattc 180

tgaccaatga gagacaaggg gatgattcct gactcagaaa cccagcagca gacttctttt 240

tactcatcac caaacaatca cgtgggacga gtaaagatcc atgaggttca tgaatccttt 300

tggaaccctg aaggaatcca actttcagaa tgagaaagat aaagggctaa ggacaaaaac 360

tggaaaggaa tgggtttgga tgatgaacga aaccacttag tcaagcttag tgccagagcc 420

tggactgcat ccgagcttgt tcaggaggcg agagctgtga ttctttctct tgatcaggat 480

ggtcgtcttg agatccagat ttttt 505

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<211> 539
<212> DNA
<213> Mus musculus

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atcgccaaca cttgaagagg ccagagccaa aaacaagaag tgatgtgggc ctgggcctat 120

tcctgaccct gaaagaggcc tgggcccagt gcaagaagtg gtgtgggcct gggcctatct 180

cttaacccct gaagaagccc aggccaaatg taagaagcaa tatgggcacg ggcctatccg 240

tgaccattga agaggcctgg gccaaaagca agaagtggtg tgggcctggg cctatccctt 300

tccctgagga gttttggccc aaaactagta tagatgttgg cctaggccaa gccctgacct 360

tgaagatgtc cagatccaaa ataagaaatg tgggcagcct gtcccaacct ctgccactta 420

agaggcttgg gctgaatcaa caagaattgg ggcctggcct tttccctaat cctctagagg 480

cccaagccaa agtggaagat atgtggatct agggattgac ctctaagaat cctggaccc 539

<210> 7903
<211> 451

<212> DNA
<213> Mus musculus

<400> 7903
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tttaaacatg ttcaatgcta cattccgtag acctctaaca ggcttgatgg atagccagta 420

ttgacctacc tcgtaggtat ctgagcgaaa c 451

<210> 7904
<211> 385
<212> DNA
<213> Mus musculus

<400> 7904
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aactaacttg gtatcccaag aggggcctga acagtcagac cctacagccc agcaaacacc 120

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gctgcatgac ctatccatac agcagacatc tccagagtgg aagtcatttt ttgactgtgt 240

taccgtgtct gatatagaga aatgcttgag ttcatcctca aagtcaaatt ctccaaagcc 300

aagttacgga acagcgatcc cggaaatggc actgctctcc aaaaagaaac ctgagtttga 360

aaagctgtca ggatatggcg gtaaa 385

<210> 7905
<211> 296
<212> DNA
<213> Mus musculus

<400> 7905
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agagtgattc ctcaactact cagggcactg atgagtcccc gtggccagat tcctccacct 120

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gctgcctgag tcttggtagg gatccttctc tggaacttct acaatactct cagctg 296

<210> 7906
<211> 226
<212> DNA
<213> Mus musculus

<400> 7906
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ccaccttcag atggctcagt tctcctgcaa gagaggaacc tgggagtttg actccatttc 120

ctgtgcagca gagagagcag cagcccttag aactaggata ctaaaccagc tgccttggag 180

actctagaga ctcggaaaca tgggaagaag gcccacacca caacag 226

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<211> 395
<212> DNA
<213> Mus musculus

<400> 7907
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acccaagcaa agttctaagg aactatccca gggtttattc agtcttagac tccgacatca 120

tacaactcag tctgagtgtg ctaagacaca accacagaag caaacatgaa ggaagacgct 180

caccacatcc acagcatcgc acagccgctc tcgggggata tgctcagtga tggacggaca 240

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gccacagtcc agtgtgctga aggagaaacc accctacaga gacagagtgc aacagtgccc 360

tccctacaga gccgcacagt cagggcaagg cctag 395

<210> 7908
<211> 462
<212> DNA
<213> Mus musculus

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actggaaact cccccgtgtc ctgccaccac ctcctcacag caaccccagc tgccatgggt 120

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cagcatcacc ctagggcccc agcagaacca aagggcatcg ctgtgtggga cagtccattg 240

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ctacagtaat gactcaattc cagccgtcct aatggtaccc tgcagacact tgctatccca 360

gagcggggaa gtccacaatt tcctggctgg gaacagccct gggaagagac tgcttctgtg 420

cagaggatct ggggttgggc tgtcagctgt gatctctagg ag 462

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<211> 499
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<213> Mus musculus

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aaatgagggt gaagcaaagc cgggatgttt tcaagaaaag cagggtcagt tttacacacc 360

gaagcatgtt gtaaagtctc tgcctctcct gatgattaca aagaagagca agctgctggc 420

cccagggtac cagtgtcgac tttgcttgaa atcattttct tttggtcaat atacaagact 480

gctaccatgt actcacaag 499

<210> 7910
<211> 417
<212> DNA
<213> Mus musculus

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actcatcggc tgttgcagca ttatcagtta cacagtgcag ccgtgaatgc cctctccttc 120

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<210> 7911
<211> 457
<212> DNA
<213> Mus musculus

<400> 7911
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agtaacatgg agaagaacat cattaagaaa cagaagagga agttttggct taggcacttc 120

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ggccctgcgt tagtgatgtg ggctgggcag gaactggaag ccaaggactc agatcttcta 420

ggtgacagct gagctttcta tttaattctc tcctgga 457

<210> 7912
<211> 286
<212> DNA
<213> Mus musculus

<400> 7912
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agcagtataa ctcagggtat ttcttcagta tttcagcata tgtttgcaat tataacaaac 120

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<210> 7913
<211> 420
<212> DNA
<213> Mus musculus

<400> 7913
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tgatcttctg taaaagcccc agctacaagc ctatcaagaa agtccagctg caaggtggta 300

tcacctctat cacgctccgg ggagaaggac accagttttt tgtgggggcg gaagaatcgc 360

acatctaccg cgttaacttc accgatttca aagagactct cattgcaact tgtcactttg 420

<210> 7914
<211> 387
<212> DNA

<213> Mus musculus

<400> 7914
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atctttggca ccagaccata caatgtgtat ctacagttca caggtttaaa tacgcttcag 240

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aacaatctag gaaatcaaca tggaaagacc atcagtggtt ctgaaaactg aacaccatgt 360

ataaatgctg tatctcggaa ggtccca 387

<210> 7915
<211> 529
<212> DNA
<213> Mus musculus

<400> 7915
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gcgggagcaa ctttgcctcc ggtgaacttc tcactgggac cttacgagaa aaaattagac 180

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<210> 7916
<211> 167
<212> DNA
<213> Mus musculus

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agcgcaagag aatgaagaca cagaacattc cactgcagtc atgtctg 167

<210> 7917

<211> 270
<212> DNA
<213> Mus musculus

<400> 7917
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ttcatctgtt cttctcagct cagaagatgc catgtggtga gatgcagttc acttgtatgt 180

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agatatttca ccacatttac tctgttaaga 270

<210> 7918
<211> 236
<212> DNA
<213> Mus musculus

<400> 7918
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gttctatgtc tcctaatgaa ccactgggaa ctagtgggcc tcatacataa gacttcaaag 180

atatgtcaaa atcccgcagt catcattaga acagctcctt actttacctg gataaa 236

<210> 7919
<211> 537
<212> DNA
<213> Mus musculus

<400> 7919
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tagctggcgc tgcatgatct ggaacatgga cacgtctgct ttcccttcat atcttacaag 180

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tggagcagca gagagagtgg gcgtgacttc tggacacctt gaagtggagg ttttattacg 420

tggaataagg ctgaactgaa aaacaacaac atgtctgcct gagagtagtg gagctgtcat 480

tgtctgaagt tggcgagcaa ggctagatct ggggtaagga accttcttgc tgttctc 537

<210> 7920

<211> 344
<212> DNA
<213> Mus musculus

<400> 7920
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gccttcaaca gagttgcaga gatgtaacca ggcagccgag ggagtaccgg ccatcaattc 120

tgataagtat attgactggt gtctggtcac ctacagagat acttctgtcc ccaagagttt 180

gggacataaa cttaccagga atccactgtg atgacccaca aatttactca tgagatttaa 240

atctgatcat gtcatcactt ggtgtaatga aacactataa aaaacataat taaatatgag 300

taggagccag gccatttcct tagccctcag gatgaatact ttgt 344

<210> 7921
<211> 432
<212> DNA
<213> Mus musculus

<400> 7921
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ggaactgagt ttcagaatga gcattcacag gctatgtgaa atcacacact acaggctagg 120

agtggtccag ggggcaaaag caacagatca gggagaggtc agaagcctga gccagggtag 180

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tttagagtca gactctaaac tgagaaatgc ctccctaagg ttgggcaata ggcaagtgtg 360

cgatctattt ttaattaatg cttgatgtgg atggaagtgg cagtgggggg ttcgtctggg 420

tagtataagc aa 432

<210> 7922
<211> 422
<212> DNA
<213> Mus musculus

<400> 7922
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cctggctgga gaaagatgag tttggccgga gggagctggt gatgggcagg tgtcgaatgg 180

agcccagcag tgggggtgca tccatgtcca ctgaggaaac ctcaccgaag atgaaacatt 240

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tctgtcctct gattggtgag atcctccggc agctggatgt gaagctgctg aaaggcctag 360

taggtgcctg ctcataattt gggtcaaccc tgaatcagtc agatctctgc tgccagactc 420

aa 422

<210> 7923
<211> 536
<212> DNA
<213> Mus musculus

<400> 7923
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ctgccccgga aggtagtgga ggatgaagac ctttttggac agtaggagac agggaaggac 120

cctgacctaa gtgaccagac cagagagaga acaaaagaac catgccttgg tcagcactgc 180

ttaattatgc atggccttgc cccctgctgt ggctcctctg ttcaggtcta aagctcccct 240

catcctgagg aaggacttgg gggtcactgg atattgtggc cacttggaat aatttcatca 300

tcacttgtgg gatgtgagcc acagactagc ctgtgggggc tcctaccagg gaactgaggg 360

ttagggaaag tcaagaaaca acacaaagac tggaagcttt ctccacctcg gcttcccaag 420

acagatggag caagttcaga taggttttca gaggagactg gaagcctttc gccatctggg 480

cttcatgtaa gaaaaatggt gtccacaaga aaagcacggg catactcatc tgcatc 536

<210> 7924
<211> 518
<212> DNA
<213> Mus musculus

<400> 7924
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ctggacatct ggctcgggaa tgccccattg aggctaccgc ttagtaaccc ccttaaacgc 120

catcctttac taagtacgct gtttctaaca tttctttgct aatcaaaaac gtgatagatg 180

gaagctactc ctataccatt ataattatca tcttaaagca agaaaagact gggggggaaa 240

catgtcaaaa atgttataat caatatgcta tttggttgcc atgaggaagt tcagataggg 300

cacagccatt tttgaattgg acactagtgg atcctttgag tacggttcgt tttgacacac 360

taaattagaa attgatagtg aaaaattaca gcaagcttgg aacatcgtct ttgaatttac 420

taacaaatac tatatatgta tgtcagatag agataaactg ctttgaagcg agagacaact 480

gactaaaata agaagagaaa ctacttcctt ggtggtgg 518

<210> 7925
<211> 342
<212> DNA
<213> Mus musculus

<400> 7925
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ttcagacttt caggcatact gaacatcatt gctagcagct ttctttacct tgctgttttg 120

ttcaattaca tagccatcat gagcaaatgg gggattgcct tcccaccatc tttcaatttg 180

cctttccagc cagacactcg gaagatggga agtgccatgg ctttggcaat tatagctgca 240

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ccccgttcca aaatgtaaat cgatacgtta catagccttg aa 342

<210> 7926
<211> 149
<212> DNA
<213> Mus musculus

<400> 7926
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ttgggtccac aattcttcag agatgaggcg atcaaggaca agaaggtcaa aatctaaacc 120

tatggatttt tctgcaggct ccaatcaaa 149

<210> 7927
<211> 530
<212> DNA
<213> Mus musculus

<400> 7927
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tttgggaaag tggaagtgat gtgtcaaaat gggatgtgga ctgaaccacc aagatgcaaa 120

gatccaacag ggaaatgtgg gcctcctcca cctattgaca atggagacat cacctccttg 180

tcattaccag tatatgcatc attatcatca gttgaatatc agtgtcagaa gtattatctc 240

cttaaaggaa gtaagacaat aacatgtaga aatggaacgt ggtctgagcc accaacctgt 300

ttataggcag tgaagttgac agtgaagaat ggtcatcaca cttggctagt aggaagtaac 360

accagtatag aatgattcat aaagaactaa acatccagaa cacataaaga tcatgaagat 420

catatggagt atggtaaccc agacccataa agacaaactt cgcatgatct ctcttattgg 480

aaactcctag ctccaaatct tcccagatga gtctatatac aggagcaact 530

<210> 7928
<211> 504
<212> DNA
<213> Mus musculus

<400> 7928
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cacctaaggg tacagattca gcctcagaat ctgagggtga aaaggctgga tccaagaagg 180

aagccaagac cactaaaaaa ggatccaagg ataaagtttc actctcagaa tctggaggtg 240

aaaaggctgg atcgaagaag gaagccaaga ccactaaaaa aggatccaag gataaagtgt 300

cagccacaga atctggaggt gaaaaggctg gttcgaagaa ggaagccaag accactaaaa 360

aagaatccaa ggataaagtg tcagccacag aatctggagg tgaaaaggct ggttcgaaga 420

aggaagccag ggatgataaa aaagatgcaa cgagctcaca agaaacactt ttaagtacag 480

cagctgacaa cgatggcaaa aaga 504

<210> 7929
<211> 359
<212> DNA
<213> Mus musculus

<400> 7929
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tgcaaaggct gtgtggttta agtactcttc ttacctgcaa caggaggttg catagagtgt 120

ttccatgatt tgtagaattc caggtctctc caccaccttg tctttctcag cttgcttttt 180

ctctccttcc ctcgtttata cacaatatcc tgaccttgct atagcttgtg cagcacgtgg 240

ttgggacatg tggctggctg tagaacttcg tgctgattaa tttagcctcc ctctgaagca 300

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<210> 7930
<211> 396
<212> DNA
<213> Mus musculus

<400> 7930
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tctcaatcta agacccagcc tgtcgacccg aaacttcagg aatacctcag ccgttttaaa 120

aagttagaag acttccgtgt tgatctccct tctagtgagg aatttggaag acaaagacat 180

tcatctactt ctggggagga gaggattcac catacacttc ctccaccaag tgctgctgag 240

cctgcatctg cagggaactg cagtcccaag gacggtgtcc aggggaaatc cacaggagcc 300

cagtgacaac tcacagtgac agtgccgcct tggcctctag ggttgaagta ccagggaagt 360

agatacgtac acaaacgtcg tgtattcttg aaatca 396

<210> 7931
<211> 116
<212> DNA
<213> Mus musculus

<400> 7931
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cggagagaag agcagatcca aggccaagta gttgaaagga cattgggagg aagctt 116

<210> 7932
<211> 378
<212> DNA
<213> Mus musculus

<400> 7932
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aagactccag gtccccagag cagaggacag tgcctctgag caagaaggac agcgtcattc 120

ctgagaacat ccgccacaaa tttgggagca agatggtgga ccaactgatc tctgaggatc 180

aggctcgaca ggccattggt gaaatgtttg agggccagaa gaggccaagc tcatggccta 240

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accacatgcg atccaacttg tttcaaggcc caccccagga gacaaagagc ctcatgaagg 360

cttcctacac gcccgagg 378

<210> 7933
<211> 540
<212> DNA
<213> Mus musculus

<400> 7933
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aagatatctt ttctaatgct gaggaagagt ctctgagaag tggaaattgg atgccattta 120

ttgggctggg caaagcaggg cacaaagagc agaggaccag ggccaaaggg ccatagtaca 180

cataaaaact gtgggctgtg ggcactcact gcagagagga tgaggcagga ggcagagtcc 240

ccttgtgtct gtggattctt taaatatagg tatcctggcc ataggagcct ttactaggtc 300

tgtggacagc acaaaagtcg gtagaggtat ttgaagagtc tggagactgt tacttcaaat 360

gtatttccct tacaatgata ttaagtagcc aggaaggagg aagtaaagag acttggcagt 420

tttcagttac aagtcatcta atagaggcaa ggcatggcag caaacaccct taattctagc 480

actctggagt gaaattaaga cccacctggt ctttatagac caggctagct gaggctacat 540

<210> 7934
<211> 429
<212> DNA
<213> Mus musculus

<400> 7934
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gggacacgga agcagctgcg gttttcctca ccaacgcaga tggcaaaaag ggagtgtgtt 120

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gctccttgtc tgattgctcg ttctcgaatc cttcagttac catctaccca atgatccatg 300

ctgtaaaact gcaaaatttg gattttcctg tccactgtcc atcagagtga gaaaacttca 360

actccatcct tcacctctgg ctcacaccta tactcccctg ccctcacatt tctctagatg 420

cctgctgga 429

<210> 7935
<211> 511
<212> DNA
<213> Mus musculus

<400> 7935
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gcgtgggcag cttcctggca gctagtcacc agagaagaga ctccccagca actgttaact 120

atgtcctcag ggagagaagg ggtctccaga gcctcaggaa ctcatgggct tcctgtgccc 180

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tcctggaagg aagggcccag tgctcacaga tgctctgacc tgaacacggc aacagctgca 300

tcatgacaga ggacagagtg ccaccgcatg ccagagtgac cccgtgtctg gagaagaatg 360

cagacgtgag agtttctctg tgtagcgctt gctgtcctgg aacatgacct gtatccgcca 420

gcggccacgg gttcctgggt tcctgaaagg aaagctggag gtggatggga aggacggcga 480

gagaaacaac gagccaagac caagttctct g 511

<210> 7936

<211> 241
<212> DNA
<213> Mus musculus

<400> 7936
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gccaaatgag cagcacgcgg tgcccgactt tgaactggtt actgcttcct ctcctcttgg 120

ttgtggcagc ggtgatcgta ggtgcagcca cctcccgcct tgagagcgcc ctcctttaca 180

cactcacggc tgccttcact ctggctcaca tccattatgg cgtacaagtg gtgaagcagc 240

t 241

<210> 7937
<211> 501
<212> DNA
<213> Mus musculus

<400> 7937
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ctgcaattga agcggtctgg cctgatgttg aggaagactg gtacatctgg aacgatggcc 120

gggagaatga tgaagatcag aggcaagttg gagaccaaca ggattataat aaggaaggag 180

aggaggaaaa cgatgatgat gatgacgacg acgacgaaga ggatgacgat gattatgagt 240

acgaagagga tgacgatgat tatgagtacg aagaggatga cgatgattat gagtacgaag 300

aggatgagga tgacaacgaa ggggaagata atgaagatca gggggagatt atcctgcgtg 360

cctattgatg gcaaaggaag ctatggatga agatagaatc aagaaattgg ttcatcgtga 420

ataggagatc atctaacact cattaccata cggcaaattg atgaccgtcc tattctaaaa 480

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<210> 7938
<211> 228
<212> DNA
<213> Mus musculus

<400> 7938
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gtactggcct acagggttct gcagctgctg gtggaagaag atggctgg 228

<210> 7939

<211> 260
<212> DNA
<213> Mus musculus

<400> 7939
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agacaaaagg ggcagcgctg agccagacta cggagtttct gcccttctat gccctcccct 120

tcgtgcccaa tccgatggtc cacccctcat ttaaagaact cttccaggat tcttggactc 180

cagaattaaa gctgaagctg gaaaagtttt tagctttaac ttttaaagcc aataacacac 240

caaagctttt aaccatatat 260

<210> 7940
<211> 374
<212> DNA
<213> Mus musculus

<400> 7940
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agagtcaagc agagtacata gaaaaaagag taccagatga taaaactatt aatgaaattc 120

taaagcctta catcgatcct gaagagtctg accctgtgat ccgtcagaga ttgaaagctt 180

acgcacagtc acagactggg gtccaaattt taatgagggt cgaaaatatg cagcaaaata 240

tgataaggta tcatgaactg gatccttaca aaagcctttc agacaacttg aaggacaaag 300

tgatcattga gtacccgact ttgcacgtgg tgttgagagg atctagtaat gacaagcagc 360

tacttcaagt gaaa 374

<210> 7941
<211> 282
<212> DNA
<213> Mus musculus

<400> 7941
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accagtgtgc acagactact actcaagtaa cgtcgtgtcc cagcgatgca aagaactgaa 120

atctcaagct ggaaaagcct gcattatatt cataatagca cagaagaatt ctagatagga 180

aggacagacg gaaacgaatg aagactttaa aagaaaaaaa caaacatcca agattgagaa 240

aaactatcag gactaagaag gtaacacaga ggaagctgtc tt 282

<210> 7942
<211> 488
<212> DNA

<213> Mus musculus

<400> 7942
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taaagcttgt ctatatgcca caactggtgc aagagtgatc tccaccatgg agtgaataat 120

atcaacatct aataaggaaa tatttcctat gggaaatttt cacttgaaga atggatgctg 180

aagtcactct tgggaataac ggtctgcctg cttgcaggtc acactacaac atggacacac 240

atcctggtta atggatggga tgtgtctgta cgttggtatt aggcccatag acatccttct 300

gtttatatag ccacacatgg attttcatgg ttggtgattg ctcaatgtgt cctctgcatc 360

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ataaactttt tcctgcaaag tgccacagac gactatttca ggcagcaaga gccatacggc 480

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<210> 7943
<211> 547
<212> DNA
<213> Mus musculus

<400> 7943
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catgtaccac cagaccctgg gccaggtgaa aggggtcttc ctgcaggcac tacggcagca 120

gaaagccaac aagcagtaga acacagctgt tagctcaact cctggaggac caacacttca 180

ggttcaggca gcgctcactc ggctcctcct agaagcggtt tggtgtcgta gcagagcagg 240

caagctgagg atacctgagc aggggcggag ccagccaggg gcggagccag ccaggggcgg 300

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cctcactcgg ccctagcacc cactggccat cctgctgtgc ccagcctctc tgtgtactta 540

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<210> 7944
<211> 171
<212> DNA
<213> Mus musculus

<400> 7944
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gttttctgcg aacctgtaag aaagtgggtc atcgccaagc cctggttcct gtatgcactc 120

ctggatatcc ggcgccaagt gcccgcaaac tacattctcc tggcgttctt t 171

<210> 7945
<211> 265
<212> DNA
<213> Mus musculus

<400> 7945
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agatggaggt tagtgctcca ttattcaatg atcctccatc ccctctcgga gaaccaggaa 120

agcctttcag tgaactgtgg aattatgaag ttgtggaagc attttttttg aatgatacaa 180

ctaagcagta tttagaagtc gaactttgtc cccatcgtct agaatatttc aagcctttca 240

gtttcaacac actgcttgga gaaga 265

<210> 7946
<211> 414
<212> DNA
<213> Mus musculus

<400> 7946
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ccattggttt tgccagtcaa acacagccgg atgcaaaagc cttcttgtgg aatagttcca 120

cttaccagtc tggatgtatc aggagaacat gagaacaatt ttgtagaata catctctttt 180

atacatcaat atgatgccag gagaactccc aatgaaccca tcaaaggaaa gaaacatgga 240

accttcgtgc agagagagat aaaactaggg gctatgccaa tagttcctaa ggcaccggag 300

gtattattga acactctaga gtcaggttca tcagaacagc cccaaaaaac agacaaagga 360

aattcatcag gagacaaagt gacctcacca ggcctatgcc aacagaattc ccaa 414

<210> 7947
<211> 409
<212> DNA
<213> Mus musculus

<400> 7947
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cttccttatt tctgatcacc ctggactcag ttagcccggc ttcccacagt aagactgtgt 120

ctagactgtg gggacaacag gctgggagcc aggaatggac ctcaagccta cgagagcatc 180

caagctgctt tactaatacc tttgaacctt ccgatgactg gaacagagtt gaaatttatc 240

agaaaataga aaaacagctt tggcacagca ctaccagtca tcatgtacgt ctctgaataa 300

caaatgttca tctctaggtc atgcctccag atgtgtaatt gaagatacta actggatgaa 360

tgaacaactt aaagttccag gggaacaaag cgctgttctg gatgattcc 409

<210> 7948
<211> 324
<212> DNA
<213> Mus musculus

<400> 7948
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gttgacaacc agctgatgca cgtgaaggac ttggagcttt tactgaaaaa actgataaag 180

ctgtggaaaa tggatctaaa tggaaatcct gtttgtctta aaccaaaata cagggacaaa 240

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caaaaaacga tatccatgaa cctc 324

<210> 7949
<211> 344
<212> DNA
<213> Mus musculus

<400> 7949
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gtctgtctcc agccaccttc agggacctgt ttctatcctg cctgcacagc ctgatgctgg 120

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ggaagccccg gccctgctga gacgcctcta cctgtgggtg gaac 344

<210> 7950
<211> 395
<212> DNA
<213> Mus musculus

<400> 7950
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acctgatatt actggcaatg ctgataaaac ctgttgttgt gatttttagc tcagcagccc 120

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acgccttgat taaaaaacac agcactcatg tgtttccaat ggggcttatc acaaccactc 360

tgtcactctt tggtgtgatt atgttcctct atgag 395

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<212> DNA
<213> Mus musculus

<400> 7951
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gctttgaggc tgacctgaag gacaggatgg atggaagtga ctttgagagc actggagcac 180

ggagcttgaa aaaaggccgg agtcagaaag aaaaaagaag ctcccggggc cgaggccggc 240

ggacgtcaga agaggatacc ccaaagaaga agaaacataa aagcgggtct gagtttactg 300

acagtatcct atctgtgcac ccctctgatg tgctggacat gcctgtggat ccgaatgagc 360

ctacatactg cttgtgccac caggtgtcct acggggagat gatcggctgt gacaatccag 420

attgtcccat tgagtggttt cactttgcct gcgtggatct caccacaaag cccaaaggaa 480

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<211> 523
<212> DNA
<213> Mus musculus

<400> 7952
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ctacgtcatc tggatcatca tctatgagtc caccagcctg accgtccaga ccctcaccga 180

cgagttcagt gtggccctgg tcagagccat gcgatggttc ggctgggtgt cccgtgcctc 240

cctacactgc ttctggctat attttgttgt cacacacgcc cagatcatct accagagcaa 300

aaaacagggc aacatactca cttaccatag acgtatctct ttgggaagcg gagaccgtcc 360

acggcggaaa tcaaagatta tacactttgt ccagcaccac agtgaataac ggtggccatt 420

ttccatccct ggagattctc agggtagtcc tggtcctcca caatgcatct ctccttttgg 480

ggggaaggat tgctttgagt atgctatatc ctctttagcc tca 523

<210> 7953
<211> 452
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<400> 7953
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agctgttgga aagccttttg tactaaggtc caactccaag aacatgagcg aattcacaca 180

ggagagagac cttatgtgtg cactcattgt gggaaagcct ttagaagcag catgtgtgat 240

aatattggaa ccaacaattc ggtcatattt ttaaaagcta tttgtgtgtg aatgctggta 300

ttgtgagcca tggagttaag aagacaactt ccaggagtcc ttgcatacag aatctgtctt 360

ttcagacact gcatttcatg gtccaagata gttgtgtgag cgcttccaga agatactctc 420

tcttctccac catctatcca tcttgacgta gg 452

<210> 7954
<211> 530
<212> DNA
<213> Mus musculus

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aagaagctgg ggttgcttct aagtttgcag cttggatgct caacaactgg aggagaggct 180

ggcggatctg gcaaggcaac acaaggacct ctgggagttc catgtcctgc agcagcgact 240

ggcccaggag atcagcacga tggagcacag gaaagatcag cttcttgcag agaggactct 300

gctgcgagcc aggctggaga aggtggagca gcggctgcag gaggccagag agacctggga 360

cagcccaggg aactgtgggc tgaagacaga gctggaggaa ttggaggggc agtcccagcg 420

cagcccagaa gctcagaatg ataaagggga ggctagccaa gaggaacagc atcatttgga 480

gacatcagaa gagttgccaa ggacaggaac gctctgctaa accacaagga 530

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<211> 541
<212> DNA
<213> Mus musculus

<400> 7955
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ggccggccct gacaaggaga atggacacct gcagctcctc gggctgtttc ccttgcaatt 240

tgtgcagttg tttgtgcatg atgagagccg ccagcagctc aaggtcaagt tccgaactgg 300

ccgcgccttc tacttgcaac tgcgctctcc tccagagacc cgcgactgcg agtttggccg 360

ctgggtgcgg ctgctttacc gcctgcgatt ccactcgccc acctgcgcag tgcccttcac 420

gcacgaggac actgcgcctg agtaatagta gtagtattag taggaggagg aggaggagga 480

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<210> 7956
<211> 86
<212> DNA
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ttgaatttac agtcttgtca agaatt 86

<210> 7957
<211> 571
<212> DNA
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<400> 7957
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acagctcagt gagattatca gcgagcggga cacactgctc caagcctgcg aggctataaa 120

gaataaaacc acagaggaag aggaaagatt tattaaggaa attacagact tcaatgacaa 180

ttatgaaata accaagaaaa gagatacttt gatgaaagaa aatatcgaga tggaaatggc 240

tgacttagac agccaggcag atgttttgag aagggacagg cttaaaaggg agttagatct 300

gtataaagca gaagacatgg aaagtgtcta cagagctctc caagcagaag tagacctcct 360

ggagttggca ctggcaccaa aggatcccca ggacagtaac tccttgagtc atgagccacc 420

ccacacttga gcatcagaga accacacatg agtggagcct gtagagctga tctctacgtg 480

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gttacctaag aggtccttgt acagtttcta a 571

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<211> 546
<212> DNA
<213> Mus musculus

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gtcagcctga ggaagaagga cgcgtcagat ctgactccag gacaatgaaa agaaatgaag 120

gtcacaggaa gaagcagagg gggataggaa agacgcgagg gaccgtcact catcagcaag 180

atggggccat caagttgtca ttccagggcc aactcatctt tcctgttgtc tctcagcata 240

gtaatgccag gaaaacccct ccgtcccagc cagaggcctc tacctggaaa cccaggcggc 300

caagctcatt cacccttttg cccctcattg tgcctgggcc ggaagaggag gcacagggag 360

aggcggggac ttgcccaagg tcacggaaca gaagtgtcca gtccccaggt gtcccagcat 420

cctgagaaag ggtctctccg tgctctgccc aattcaaaga tgatacatca gcatgccaac 480

cacagccctg ctttccagca gcctagcaga gccccgcccg ggtgtcacat ctatttctgg 540

gcttgc 546

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<211> 334
<212> DNA
<213> Mus musculus

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tcgaccccat agctgatcac atccacggtg tggaaatgag aaatggccgc acgctgttgc 120

actgtgccgc aggagtgagc cgctcagcaa ctctctgcct tgcctatctc atgaaatacc 180

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ccaacaatgg cttttgggaa caactgattc attacgagtt caagctgttt agtaggaata 300

ccgttcgcat gatctactct cctataggtc tgat 334

<210> 7960
<211> 564
<212> DNA
<213> Mus musculus

<400> 7960
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cggcgcgaca cctccagccg ccgccgctat ggaaacggcc cccgccttcc ccagggcggc 120

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tactgcactt gggtttttct tggactcggt atcctcaccc gtgaagtgag agggaaactg 540

tacctgcttc gtggagttgt tccc 564

<210> 7961
<211> 394
<212> DNA
<213> Mus musculus

<400> 7961
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gtttcctccc caaacatggc ttttataggt atgtggaggg ccagtatctg caaccacgtt 120

gacaactcca gccacaagag tgtttgccag cactactcct accatgatgc cctcgttcct 180

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gacgacaatc catttcttct ttcagctgtt ctcaacgctg ttgctagcac ctttattttt 360

cttgctgtta tgtgtaattt ctactctgtg cccg 394

<210> 7962
<211> 261
<212> DNA
<213> Mus musculus

<400> 7962
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tgtttaggac gaccactctc ctactggatg acgggatgcc atctgggatg agccagggtg 120

cagacctact ggggagtcac tccaggaccc ctgtactcct tggacattct tcactatttc 180

attgtcttgc cttcacccgt tacttttttc tcttcccact tgcaagtaaa actgaccaga 240

gtcctggagg gaaatatctt a 261

<210> 7963
<211> 370
<212> DNA
<213> Mus musculus

<400> 7963
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cgactaccag agtcattcgg agaacttctg ccatgtcgac tgtcaagaac tactgagtcc 120

caacctcatt tcaaccattc actgtgcaaa aaagattgtg tctggaccag gagggatgaa 180

gaactgggta gaatggaaat tgcactgttt aggacgacca ctctcctact ggatgacggg 240

atgccatctg ggatgagcca gggtgcagac ctactgggga gtcactccag gacccctgta 300

ctccttggac attcttcact atttcattgt cttgccttca cccgttactt ttttctcttc 360

ccacttgcaa 370

<210> 7964
<211> 362
<212> DNA
<213> Mus musculus

<400> 7964
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tctggaaaga aagctgtttg ctctcccagg ctttggacaa gccattgttc catttaccac 120

tgtcaccatt tagggaagtc acacacttat tgtaatactc ttctctcgtt ggtgtcttgc 180

tgtgtcctcc agagccccat tgtcagacat tcaatttaaa aagctcctta ctgtcagact 240

cctaccctgc aggcatggag ggagggaagg ataatgaagc cttggacagt cagcccagga 300

atcccagaca acagaactct ttacagtttc atgaagcatc gaacaagtgc tgtggtccac 360

ac 362

<210> 7965
<211> 425
<212> DNA
<213> Mus musculus

<400> 7965
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ctacaggtgg cgtctcctcc aagtatccag gtaaaccgag tgatgaccta ccgtgacctg 120

gacaatgacc tcatgaagta ctcggccttt cagactttgg atggagaaat tgacctgaaa 180

ctcctcacca aagtgctggc cccagagcat gaagtgcgag aggatgatgt gggctgggac 240

tgggaccatc tgtacaccga ggtgtcctca gagctcctca ctgagtggga cctgctgcgg 300

gcagagaagg aggatcctgt gggaccatct aggtacatct gacccaggag catcactgag 360

catttgaaca aatgcaagaa gtctcaaacc aagagagctt gcaagcagct tacagttttt 420

atacg 425

<210> 7966
<211> 551
<212> DNA
<213> Mus musculus

<400> 7966
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ctctgtccat c 551

<210> 7967
<211> 526
<212> DNA
<213> Mus musculus

<400> 7967
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accttggcag tgcctgaagc caggggctgc tctgggggtg ttagctggga gactcctcgg 120

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gctttcatga tggcccatcc agagccagag ggagctgtgg agggggtgca gtgggagcag 480

gcccacgccc atgcccacat ggcttctgga cagatgcctt tagtga 526

<210> 7968
<211> 458
<212> DNA
<213> Mus musculus

<400> 7968
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gtccggtggc agcttctgcg acaggttctg aagcagaaac agttggatga tcatctgaga 120

catgtatctg tgagaagatt tgaatcattt aatctgttct cagtcacaga agccacaaaa 180

aagggaactg aaaaagaggc tggtgtgtgg gtccagtaca caagcatctt ttatcccaaa 240

tacagcatct ccgtaaggca taatagtgga tccttgaatg tggaagacgt ccttaccagc 300

tttgacaaca caggaaatgt ttgtgacccc cctccagccc cccacacagg gggagttgat 360

ggggatgttt ttttgaccac ttgatttacc tgctcccatt gacttcatgc ttttgaagag 420

tgactaagct tttgacaact ctttctttgc taattcac 458

<210> 7969
<211> 497
<212> DNA
<213> Mus musculus

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taagggccgc aaaatctcgg tcggccatga tcacaagacc acggtcacca agggccacag 120

gatctcactt ggcaatgacc acaggaccat agtcaccaac ggcgtcagga ctacggttgg 180

caatgaccac aggaacaagg tcaccaaggg ccacatgacc tcagtcggca atgaccacag 240

gaccattgtc accgatggcc tcaaggacca cagttggcat gtactacatg gcctttgtcc 300

cccgatgact acaggaccac agttggcaat ggctacagga tcacggtcta caataacaac 360

agtcaacaat gaccacagaa ccacagtcag cagtggaaac ctgacgtcct tttctgctat 420

gtaaagaagc aagcatggat tctagcgttg aggtaggaca tctgtagtgg ccactgttct 480

tctgaatgtt cctgggt 497

<210> 7970
<211> 214
<212> DNA
<213> Mus musculus

<400> 7970

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gctttgtgag gaaatggaag gagaaggtgg cctggcctag gctcacaaag gaggatataa 180

agcctgtgtg gctctctgtg gacttcgata actg 214

<210> 7971
<211> 568
<212> DNA
<213> Mus musculus

<400> 7971
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cttgaacttt tgaagctaga aaaggataca gcagatctta ttcatccttc ccatttgatt 120

gagaaatgtg atgttctgca aagcatgaat aatcatctgg aagcagtgct aaaagagaag 180

catgccatca ggcaaagact gctgagaccc atgtgccagg agaacttgcc attggaagct 240

agttatcaca gatatgtggt acatatgttg gatctggctg tgactttcat tgagaaattt 300

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agcaaagctt tagccaagat ggatattttg gtgaacaaga cagaagaact ggcagagaat 420

atactcaagt ggcgagaact acaaacagaa atttccttgt atatccccaa aatgctaact 480

gaagaacgcc atcttcatga acttgacata gtgcctcctt tacctttttt tcctaaggct 540

cacaccgaaa cctccagggc caagtgat 568

<210> 7972
<211> 366
<212> DNA
<213> Mus musculus

<400> 7972
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atacatagtg cttccaaatg gatactctgg acagcccaag aaaggacatc ttacctttga 120

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tctgttcatt aggccggaca cctgtaatcc acgcttccga gtctggttca actttactgt 240

tgaaaatgtg aaagaattgc aggtaacctc ggccgggttg agcaagtctc tgattttgag 300

tatgatctgt tcattaggcc ggacacctgt aatccacgct tccgagtctg gttcaacttt 360

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<210> 7973
<211> 233
<212> DNA
<213> Mus musculus

<400> 7973
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agagtaagtg gaacctacta agattatccc ctgactacaa gaggacctac cagaccttcc 120

catcagggaa gagagtttcc tctcaagagc gccaaaggcg ggacctttac ttcgagttca 180

gagcctgaaa ccaggtggtt gaccccaggg aaccttggcc tgaccaggct ggc 233

<210> 7974
<211> 531
<212> DNA
<213> Mus musculus

<400> 7974
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tccagggggt cagtttttca cccttcctca gccccccttgc gtggcccaca ccccaggaag 120

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tcccatgtcc gtgcacatac acctccaggt acctcgtgag accacagaca c 531

<210> 7975
<211> 499
<212> DNA
<213> Mus musculus

<400> 7975
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gctcaggtaa cattgactcc aatgactaaa cggaggaaga tgcggaagcc gtttattcca 120

ttgagatgtc aattatattt caaggtacaa aggacaagaa tcaagacaga acaatctcta 180

gggtgtacaa agaaaaaagt tccaacatac tatgtttatc caaaaagacg taaaagagca 240

ataagaccaa caatatatgt ttgttatcat atgttaaata ggaagtggaa agaaaggagg 300

gaaaaaagac aaaataaaag acggtatcag tccaagaaaa ggagtcaact taagagaaga 360

tgtcaaagta agaaacaaaa taaaagcaag agctattttt agctatcttc agattaagta 420

aagtcccaga taagttcatc actttaaatg aagatcaaca taacaaaaag ataaatgaac 480

ttgcaaacat ttgtagcat 499

<210> 7976
<211> 494
<212> DNA
<213> Mus musculus

<400> 7976
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tattttgcca aaggtgtttt acatgagcag cctactgagg acatcagaat tctctgcccc 120

tgtgtctacc cttctggaaa tttccttatg tcaagaagcc ttctggaccc caagaaggga 180

agacaggcta accctgatgt ccagaagtgg ttgctccaaa atcacaaagt ttgaaacata 240

tgatatgaag ctggaagagt ttgggaacaa aattattgtt aaaggacccc gttcatgtca 300

tcgtcacctg taatgatggc tctttggatg tatatgcatg ggaggagaga agcctgctgc 360

tcaggaagtg ttatcgactg aaaaacagga gacatctgtc accgagaggc ttcattaaca 420

aaacgctatg tgatgatgtg agcataattc agttgatgat agatggtcat gacacctggt 480

ttctgatggc atat 494

<210> 7977
<211> 166
<212> DNA
<213> Mus musculus

<400> 7977
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aaagacatgc ccggaactaa caagaataaa aagaaagaag tgtaatgccc caccagccaa 120

gcaggcagac agtatgagac cactgaggga tacaggacca tcggtc 166

<210> 7978
<211> 330
<212> DNA
<213> Mus musculus

<400> 7978
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gatgacgttc accagcatga actggaacac cgttctaaca cgaagtgaaa agtatgacca 120

gaagaaaaag agctcggccg ctgagatgct catgatttcc ctgcggtaac gagcacttcc 180

ggaaactccc ggtgctgttc gctcactcgt tagaacactc cctcgattta gctccgtgta 240

catttgttgc tacccgaatt tttaaaatag aagagtcagt agtgaaaaat gtttcataat 300

gtaaaaattg tatatgagtt acccacgtat 330

<210> 7979
<211> 365
<212> DNA
<213> Mus musculus

<400> 7979
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agcaaggggg gcacagtggc ctatggcagg agtgtaccca tggcaaatgc tccaacatcc 120

cctgccagaa caccgtggca gtgtccgcag cgtgcatggt gttggcagca accttcagta 180

ttgtagcttt ggggatcggg ataaggattc agtgtcgaga ggcagagtca cgacgtagcc 240

agaataccat tgtcttactt ttcctcagcg ggttgctgct gctgattgcc ttggccgtat 300

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ggttg 365

<210> 7980
<211> 351
<212> DNA
<213> Mus musculus

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gtgtcacctg tgcctttgaa taacccaaca agtggcccaa gatacggaac tgtgatccct 120

aaccgcatct ttgtaggagg aattgacttt aagacaaacg aaaatgattt aagaaaattt 180

ttctcccaat atgggtctgt aaaagaagtg aagattgtta atgacagagc tggagtgtcc 240

aaagggtatg gtttcatcac ttttgaaact caagaagatg cacaaaaaat cttacaagag 300

gctgaaaaac tcaattataa ggataagaaa ctcaacattg gtccagcaat a 351

<210> 7981
<211> 394
<212> DNA
<213> Mus musculus

<400> 7981
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caaacccctg caatgcctgg atttcacagc aaccggccag aagctctgtc acaagtatcg 120

tggcggcaag atgattccca tcgcgccagg catcaaccgg gtcgactggc cctgcttcac 180

gcgtgccatc gaagattggt ctaaattcgt gtccaggtcc gaagagttca agctgccttg 240

tgccaacaaa agggtggagg gtttcagtgg ctacgcggtg cggtacttga agccggaggt 300

gacccagaac tggcggtact gcctcaacca gaaccccagc ctggaccgct acggacagaa 360

gcccctgcct ttcgactcgc tgaacgcgtt cagg 394

<210> 7982
<211> 432
<212> DNA
<213> Mus musculus

<400> 7982
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tggtggcgtt atactgcttg gcaagcttgg gggccatcgg ctggggcacc tcccctcaca 120

tccgctgtgc cagtctcctg ttggtaccca agatgctggg caaagaaggc agactctttg 180

tcatgggata tgctttggct gctatctaca gtgggcagca aagattcatt gaataaagag 240

attcagaacg tctctacctc ctttgaagag atggatgaac aggtgaagag tgatgctggc 300

tactcatctg aggactggga caagaacaga gaaagcacag agatgttcgg aacctcccgc 360

gtccgaccct acctgtccac acagatggtg tatgagctga ggaccaggct acgctgcatc 420

cgtgaggagt at 432

<210> 7983
<211> 444
<212> DNA
<213> Mus musculus

<400> 7983
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ccagggattt ttctacccat ggagttgtga gggagatgtg tgggaccgag agagctgtgg 120

gggtcaggca gcaattgaga accccaacct ctgcctacgc ctgcggtgct gctaccggga 180

cggtgtgtgc tatcatcagc ggccagatga aaatatgcgg aggaagcata tgtgggcact 240

gggctggacc tgtggcagcc tactcttcct gatcaccagt atctgtctct tctggtgggc 300

caggcgccaa gacatgctgc acctaccaag gtttctacat cggaaatgta gtaaactgtc 360

aaagacagtc tcctcactgt ctaaggaccg acgatcggcc aacaagtcaa ctaccgttct 420

ccaatcccca ggaggcgaag taga 444

<210> 7984
<211> 453
<212> DNA
<213> Mus musculus

<400> 7984
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gatgacatca ctgacttgaa ccctgagctg ccagagccac caaacgaagc agatgaaaag 120

gtggagcggc tgcccccacc atggcccaga gtattgaaag atgacaaggc ttccatgaag 180

gctgggaact caccaaagcc cgaagggaag actctgtgta aaccatgggg ccggcctcgg 240

ccgctgaacg gagtgtccca gaattcaaag gaaaaagggt ccagtccccc aaagaactcg 300

cggaaaatat cctcaggatt tcggaaggga tagccagcac cgaagggact gctatggggg 360

acattggcac cgccacctgc tctccatctg tcacagcctg cccggtcgta cacagaacgc 420

ttcttagagt ctgacaagac ttcgtaggct tcg 453

<210> 7985
<211> 460
<212> DNA
<213> Mus musculus

<400> 7985
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tctggtacca agtagggctg gacttgcagc cctggggctg ccagccaaac agcccagata 120

tctggggctg ccagccaaat agcctggata gctgcaagaa cagtctgggt tgccctggct 180

actggttggg cctgggagga aatcgcatct accccgtggc tggggtcaca atcaccacca 240

ccatgttgct ggttgtcagc cgtgtgatag tgcaccgatg gcgagctaag gttgctaagg 300

gtcagctccc agcagtgacc tccagctccg gcaaacactg gaaagagcag cccactgtct 360

cagaccgcac gctggtcctc agggtccttc acatgctgga gccatcctgc tccacattga 420

gggccacctg caggggctgg cttcccaaca acaaattcaa 460

<210> 7986
<211> 295
<212> DNA
<213> Mus musculus

<400> 7986
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ttggcctcag ccgtgaggcc cttattgccc tcattgtggt gctggctggt gtcagtgcca 120

gctgcttctg tgccctcgtt gttgtggcga ttggtgtctt tcgggccaag ggtgacacgt 180

gccctggaca ctcggaaaac aggttggtgg ggccctacgg agtccaggaa gatcgcatag 240

acctgcacac ggtacatgtg gagtcccacc tcatggaccc tgatctggac gtatc 295

<210> 7987
<211> 416
<212> DNA
<213> Mus musculus

<400> 7987
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ttcaccagaa tcagatcttg cgggaactct ttctcaaaga gctacgggca cagaagctgt 120

acacgcagta tcacgtgaat cccctgcgca aggccaagtt cctgaacctc attcaccatg 180

ctgcacaggg tccaaaaaag aaatattcag agacacagac cgaagcccaa gaaattggat 240

gggacccaaa tcccttgatc aacccagacc gtcaggacca taggctgaac cacttcagag 300

tctaccacga catcactctg tacaaggcta aactgtggag cttgggggaa gacgatcacc 360

agaagtgaca ttctcttggt ggagtgaacc tgcacactga attccccagt gtatgt 416

<210> 7988
<211> 321
<212> DNA
<213> Mus musculus

<400> 7988
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cattccacat cagaatctgg atctttcctg cctccccagc agacagctgt tcccggggag 120

tacctgagct atgcctcgtc caagctgtca ggcgtcaaca ttcgtcaagc ctttcggttc 180

agctgtgcca tagctcccaa gtcagcagtt ctccgggcca cctgttacca caagctccat 240

caggacactt ccagacaatc ctttcctcag ctctgtcctc ccccttcacc cctacttaaa 300

gcccacggca attggaaaca a 321

<210> 7989
<211> 86
<212> DNA
<213> Mus musculus

<400> 7989
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ggagctgtta gtctgatagt caaaat 86

<210> 7990
<211> 544
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caggtgaggc aattctgggt cgaccacttc tcgcgccgct tctcgccgcg gaggccaccg 120

ctgcgccata tntcatccat gtccaccttc tatctgctgg accaccgcac gcgacaggcc 180

gaactggggc tcaactacgg cgagcngcgc acccgactga gcgacgaggc cttcgttttc 240

cgcggcggcc gctggacccc agaggggaag cgcgcaagcg cgcgcacgcc tctgccctcc 300

tccaccatcc cggcctggaa gccacaagtg cagccgatta agagccaggt gctgctggaa 360

gagaataant acctgaagct gcagcaagaa ctgntcatgg acatgctaac agagactacg 420

gcgcgcatgc aactgctgga gaagaaggtg gacgcggata acaaccctgc ggccccggcg 480

cgntcctgga agagaaagat gcccaagcaa aggggcgcgg gagtacttat aatccagccg 540

cgcg 544

<210> 7991
<211> 350
<212> DNA
<213> Mus musculus

<400> 7991
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tagcagaaat aatatgacta gagggcgaat gcagccctct ttgtatcagt aaagaacggg 120

cctgcaaggt tgggctttga tcctaaaatc cggtttctaa acctccaaag actccttagc 180

aaagcagcct gccgagcaag cctttcttaa ctgagcttaa cggatgggac acgtgaccca 240

aggctagggc tgtgagaaag gaatttgagg aatgttgaga ggtggactca aaactttgtg 300

atcagctgaa ttcaaacgat tttcctgtga ttccctagtt ccagaacaga 350

<210> 7992
<211> 493
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
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<222> (336)..(336)
<223> n is a, c, g, or t

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<222> (340)..(340)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (359)..(359)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (449)..(449)
<223> n is a, c, g, or t

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<222> (451)..(451)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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actggaggga ggggccgctt ccgggagccc cgccccgcgg cgcgcagagg cgctgaccgc 120

gccctctggc gcactgccga ccaatcatag gccggtatgt cggctccggg atcaatgagg 180

gggcggagtc accgtgccag ctcgaaggcg attcaaactg agggagccgg ggattggctg 240

aagctgggta ataggcaagc agaaagcctt gtgtccaatt cccattcaga agctctattt 300

agactgcgga atgatgaggc tgagaggagc gttgtntaan gagagatngt agctaacant 360

gganatgaaa tgtatatgag ggtaactgtg gactgaagtt agaaaacaca gcaccattga 420

ataaaatgaa aatttnacgg gctgacgant ngaaaccgag nacacgaatc aaaatcagga 480

ggctaagctt tag 493

<210> 7993
<211> 378
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

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cctgtagagg tccagcagag tacggtggtg cagaatagca ccggtctgtg gaactcattt 120

tcatttctca tattattttc aagcttttaa aaaatatgaa aacataacaa aaaaacccca 180

ccacaccact attccctgct tcaatttaac agcatataac tctgtcatta gcgacgctag 240

tgaagggctt ctgcctnttc ctgctgatnt ccctcctgat cttcaacagg aaatggcacc 300

gtgatgagca ttcctttcag aaatagttca aaaaaggact ataggattgg aatttgacaa 360

tggccaaggt ttgcaaat 378

<210> 7994
<211> 400
<212> DNA
<213> Mus musculus

<400> 7994
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ggaggatgtt ctggtcgcca caacagccgt cgtcaaggaa acgaagctgt cagggaatac 120

agagccttcc gctgctaccc ttgagcagta tggcttctcc tgcttcatcc caaaatgtag 180

tttatacaaa aatgttcaga atcagaatga ttcttagggg taaggtacta gcctatcgta 240

aagtcaatcc ctagcttaaa tgaaatttaa cactaacatc tttcgataac tgctcaagtt 300

cataggcaag aatctttcac cactaatgta ttacgctatc acagttaaaa attatagttg 360

taggaaacta caacccaggt acccaggtct cagggatcaa 400

<210> 7995
<211> 282
<212> DNA
<213> Mus musculus

<400> 7995
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aacggcgcca ccgcccgccc tcacttccgg attctggacc aatcgggatc caacataccc 120

ggaaatgatt cctgccgaag tgggtggagt ccgagagaag aagggaagta ttggaagctc 180

agagaacaac cagcctgggg gcgtggctta gtagtggagc gacgggcttt tgtgacgccc 240

tggcgggctg gctgggcaga tttgaaagtt gtggtgagcc ac 282

<210> 7996
<211> 282
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgaagggtg ntctttctca ttttcgcatc gttaagatta gtgttcgact taaagccgtg 120

gctgacttca tcatcccact tctgtagact tcgcattgtt tgtaaacgtg cacgcgatgt 180

cagagatcca cagtgcaggt ctgcagcaag aatgggcgtg aagccttttt caaaaaaaca 240

attgctgggc tggagagatg gttcagctgt taggaacacc ga 282

<210> 7997
<211> 520
<212> DNA
<213> Mus musculus

<220>
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<222> (473)..(473)
<223> n is a, c, g, or t

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<222> (487)..(487)
<223> n is a, c, g, or t

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cacacactcc cttccaggac ggaagaaatc gccaatgtaa aagaacactg tctttcacaa 120

atagccattc catcatcgga cagagcttca cattgtggat tgaaagtcat ctttgaccca 180

atcattcaat ctaaatagtt cttgagattc acatttgact cataccagct ttccatctca 240

acaatagaac aaaattttcc tcccgtatct ccaattcctt caactgtaat aggatatctg 300

tgaagatatc aagggaaagg ggaaaaaagc atgtttctta tcactaagga tcaacctaaa 360

gatgttgcta aacctataca gagggagacc ttctaagttg atgacaatct ggaaattaaa 420

tagctgtgct gtataaaaaa ctaagtagaa ccaacattat actcctctat gantggacta 480

atcaatntct atacctgtct cctttcattt gtccaacaat 520

<210> 7998
<211> 518
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

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ggactcacac aggaaggaaa accttggttg caaatacctt taattgcagc gacttgagag 120

gttagaagga tttctgagaa ttcaactctt gtctctagta taataaataa taataataaa 180

taataacgga actgagtatg gtgactcacg ctgcaatatc agtacttgga agtcaaggcc 240

agcttcagct tcataacatt gtgagtccaa attgggttac atgagactgc taaaaacaaa 300

cgctaaaaat gaaaaaaatt aaataaccac agatgagaaa agagaaaacc ccactcccaa 360

acagggctcc tcttctccat ctgacctgcc cacacatgcg tangcgcaaa gctgtggctt 420

tatnagatgc ctcctatttg tttaaattag ccattcaaaa ataagtggat ggagagtaca 480

ccaccaaaag gctcaagccc tccttttgaa ctggattt 518

<210> 7999
<211> 431
<212> DNA

<213> Mus musculus

<220>
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<222> (211)..(211)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<400> 7999
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aaatatgcat cccttaacaa cgctttgtgt tagcatgctg caaatcaaaa tggcgcttaa 120

tattaaaacc tggtgtaggg aattttaatg aaaatcctgt tcataaatgt aatgcatatg 180

atgtgtactt ttaagttcta gtccccaaat ntagtttata ttcagctgtt cagcataact 240

aatgtgtaat tttccttcac gctatattgt ggctttgtgt tttaagtaat attctccttt 300

ctgtttttgc accagataag aatctgttac ttgaaaacaa attttttat ctttnttaac 360

ttcagaatac taaatttgga aaatntacta aacttgtgtg ttatgtggct gtaaatgatg 420

tacacgctgt a 431

<210> 8000
<211> 430
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

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catggttcct cccctcaggt ctcctgtgct gtccattccc atgataagtc acaaacatgg 120

ggacgctcag agaagtgtgg tatatgatcc ttgctccaag agactgaggc aggagcatta 180

gactttaaga catccccagc cacttaatga gttgaagatc agttgaagat cagcctgggc 240

taccagagac ggcggtttct ccaaaaaagaa aaacagaatc atgagccgag gaagcccaca 300

tgtaggacag nttcatcaag agaagactga ccacccagat caggncgtan acatgtattc 360

ataaacgcca ggtagaattc gtcaacgtgg cttacaatgg catngactag ctgccagtga 420

tgtttcattg 430

<210> 8001
<211> 502
<212> DNA
<213> Mus musculus

<220>
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<222> (308)..(308)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (314)..(314)
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<222> (326)..(326)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (337)..(337)

<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (411)..(411)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

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tatatgagga gacagcaacc tacagacagc ggattataaa atacagttgg gactgcacgt 120

gtaaattgct atcagagaaa agaggaagcc cgagccaagg acaaccgcat cttagatgtt 180

cactaccttt gatatgaaga tcaaaagata gcttcatagc cctgggaaag cccgcaaaaa 240

aaaaaaaaaa atcctgtcaa gagcgtagaa cctcaatatg aacacccgga gccgattatc 300

caagaaanca cgtngctttt gtaagnttca natnttnttc aaatggatgc atgtaaccgg 360

aacccatctg agttatnttt ggtatctgtg ttatgggttc cttaatgttt nttgtgactt 420

atcatatttg aacagtttct tttgggttaa tcgaattnca ggtttaagta cccatcaatg 480

ctgcacgcaa cttgagctag ct 502

<210> 8002
<211> 390
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

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catnttaaga gctgtgtccg actcttacct tgtactaggc accgcgttga ccgctgatgt 120

ttgcaaattc tggagcccag tctcctaggt cggaagtaac tccgttctcc caaagacgct 180

gtcagagaat aaagaattaa atccatgagt atatttcaat atttaagacc atgcctggca 240

tatctgtgcc tcaatacagg gggcctaata aatgtcaaat aaacaacagc aaaaaaatat 300

ctccaattta naagatagaa acctaaagcc aacagccgtg cattttcga gttttcaaag 360

aagggaatgc ttgctgggtt gcagggtcct 390

<210> 8003
<211> 527
<212> DNA
<213> Mus musculus

<400> 8003
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gagccctccg ctgcaacgtg ggggggcgcg ctcactgtcg gagggtggtc accccggtgg 120

gcgcaaacat tgccccaggt gctctgcagc tggctgcaaa ggctcgtgaa attctatcct 180

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aaagatcaaa ttactctccc agcccaggtg attttgtcct agaagccagg atacttgtat 420

cgacaagaat attgatgaaa aaccactcgc tgcatctcgg cggaccatat taaggctgtt 480

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<210> 8004
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<212> DNA
<213> Mus musculus

<400> 8004
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gtgtgaagac agactaggaa gaagaaataa ctccaggtct ttaagactga aagaaaaagt 360

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agaaagcctc acaggaagga caatgaatgg gatattttgg gctaagtgga atgtgataaa 480

aagcgtgaca cattttcagg atggcccaac ccaggtggt 519

<210> 8005
<211> 348
<212> DNA
<213> Mus musculus

<400> 8005
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gtgttgcctg tgtgtgccag accccagggc tttgagacag gttttatggg ctcacaattc 180

tgctgaggaa ggcccccatcc tggctttgat actcaaccac gacaatccgg acttcttact 240

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ctataagaca gcacaatgaa gatgtgatgc tacaaacaca cttagtgt 348

<210> 8006
<211> 449
<212> DNA
<213> Mus musculus

<400> 8006
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tacttggact gtcagaacaa ccggattcga gaggtgatgg attatacctt catcgggatc 180

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cttgacaaat acgtctttgc caacaccacg tctttgaggt acctggacct cagaaacacc 360

ggattgcaca tcatcgacca taatggcttc caccacctgg tggtgctcca gactctgtac 420

ctaagtggga acccctggat atgcaactg 449

<210> 8007
<211> 565
<212> DNA
<213> Mus musculus

<400> 8007
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tgccactaaa gtggatacag atgttctgcc acctgaagtc atgttaatat ccatggatgc 180

tccagagcca gctctactgc ccctcactgg agagttatgt gtgtgtatgt gtcccctgga 240

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gggcggtctg accactaaga atttg 565

<210> 8008
<211> 396
<212> DNA
<213> Mus musculus

<400> 8008
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agggctgatg catacctttg ggtcttctgg catttc 396

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<211> 564
<212> DNA
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gttgttatta tcagctgtgt gaccaagaga attgttctat gaatctgatg tttcgtgcct 120

tcacttatgg atgggaaaag tgagaaagac aactcactac agtgcagtac taacaaagga 180

aatgatgtat tccatacagg actaaggaat gattgccacc acaattagtg taataatggt 240

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gggactttgc tatggcgtga aatagaattc aaatctaccc ttttggagct ggagaggttg 360

ccctgttaag actgctctca cagtttgctg cttatgcaga ggacctgaac ttagttccca 420

gcactcttgc cgggcagccc ataccttcct gaaactccag ttccagagga tctgctgccc 480

tcttctggcc tgcgtggaca ccaacaaacc tgcagacaca tggtgcataa gttaaaatct 540

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<210> 8010
<211> 358
<212> DNA
<213> Mus musculus

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ctacagcagt ggcttggagt gaaagttctg gggccacatc ttaggagaac tggcaaccaa 120

agaaggggtt ttagagacag aactagttct ggatttgccc ccagagttca agtcatacca 180

gtcaatcagt taggtacctc ctgtactgga aggtcctagt cattacgcaa atgcaagtgt 240

tagcagttag agaatcttag agatggatta tctccgtttt acagttttga agacaaaaac 300

gaaggaagag ctagaaggat taagttcaca aataaactca aatcctcgtc tcaaggac 358

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<212> DNA
<213> Mus musculus

<400> 8011
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aaagtcaaat aaaaaccaaa ttattttgtt tatattgatg atattaaaat atgattgtat 180

tatttgtaat acatttttct tttttctttt tttcccatcc ttgcttcctg acttggcgtt 240

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tgtatgagga tgccacatcc atctgacctt catcatggtt tctgaagatc caagttctta 480

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<210> 8012
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<212> DNA
<213> Mus musculus

<400> 8012
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actttagatg aagggtggtg tgtgtgtgtg tgtgtgtgtg tgttagagag ttgtgtcagc 120

atcaagcaaa aacagattcc ttttacttgg ttctttaaat cgtatagcaa atatcaacat 180

accatttgta ttacagaagt gatatagaga tgacttagag catactgaag gatatgcata 240

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tgacagacta cactcaggcc tagcttccta ggatacagag cactgcagca tctcaaagac 420

aagatgccgt gcctttcaac aacttctttc atactcctct ctcacaattc tgtttccttg 480

gcattccatc taaatgaaat atgaatcaat ggagaaacca gttacttcac ttaa 534

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<212> DNA
<213> Mus musculus

<400> 8013
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caatgttgca aacacaatca cacccacact gaaatggagt gtttatttaa tgtctaatgt 480

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ctgttgagaa aggcgggcca ctgtccagaa gtcaaaggtg atggatggca acaaccacta 180

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agca 364

<210> 8015
<211> 551
<212> DNA
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<400> 8015
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ttctgtctgt gatgtcaagg tttctattag gtttctgaca gaaatgaaga tattctaaag 240

agacacttgt gccccctccc tttggctaac agactattga aacaatggtt cccaaggaaa 300

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ggatcacatc ttgagcagaa tcttttagtt ctacctacct cttgccctct atttaaatgt 480

aaacttcctc tggcaggacc ctgaagatga gcttggggtg acagtcactg gacttccttt 540

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<211> 471
<212> DNA
<213> Mus musculus

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tcagaggctg agagtactgg ctgtctcctt tactacatgg gctctatgga cagaatttgg 120

gcttcagagc aaatactttt atctcactgg cctccaacaa cagatttagg tttctggggg 180

tgggaggggg gatttaaatt atgcttatga gtcttttgcc tacatgttta tgtgccatat 240

gcacacctcg tgccagtgga ggccagaagg tcattagatt ctctatgagc caccaagtag 300

atgcttaaat tcagatcttc tacaagaata aaggagtgtt cataggattt ctttaaaccc 360

aatgtgaaac attttcaaat ttaaaatgac tatatcatca ttttagagta aaaagctatt 420

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<210> 8017
<211> 516
<212> DNA
<213> Mus musculus

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aggtagtgaa tgatggacgg agtattttta agttttcttc tgcagagact ttttttcatg 180

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taatggagac tcatctgaga aattagaaaa ctactaattg cttttagtga aaagacaacc 360

tcttctgcca gatttgcttt taaagactcc tcaaatttca agctccctcc actgtagtca 420

atggattttt ccaacaaagc taaaaaggaa aaataaaaac ttctgactga gaggataagt 480

taatagtaga gtttttctcc atcatgccct tggtta 516

<210> 8018
<211> 446
<212> DNA
<213> Mus musculus

<400> 8018
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attacatagt tccttgtcct tttggc 446

<210> 8019
<211> 495
<212> DNA
<213> Mus musculus

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cagtttattc aaagggataa gtggggctac cgtcatgctt gtgccatcac tatgctccag 480

gacaatccag ggcgg 495

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<211> 506
<212> DNA
<213> Mus musculus

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ccgcacgcgc gcgcgcggac gggccggcca gcgcatgcgc ctgaagcctc catgtgagcc 120

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accttacacg gtgggtctta caaatccgtc cagagtgctt ggggatttct ctttgaccaa 480

aagctatgac cctcaaattg ggcgtt 506

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<211> 465
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<213> Mus musculus

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acactgcaag aagcttaaat tccagactta ctcaaaagat gaggagtgtt ggatgtaaga 180

tatgaatacc aaagattctg gaacagtcca aggccctgct gacattttct tggtaaagga 240

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agctgagcag atacatcagg gaggtgacaa gacttgtagg attgtcacca cattttaggc 360

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<210> 8022
<211> 556
<212> DNA
<213> Mus musculus

<400> 8022
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<210> 8023
<211> 399
<212> DNA
<213> Mus musculus

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cccaggagtg cccacacatg caacactggc tgtccagac 399

<210> 8024
<211> 443
<212> DNA
<213> Mus musculus

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gggattggtt tccatatgct atttatgact ttagctatac taaccacacc cccgtaccca 420

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<210> 8025
<211> 348
<212> DNA
<213> Mus musculus

<400> 8025
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aaacagagat tccccgattg cagctatagt ggtgcaagag aacaccttac ccacaacact 180

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gatttggact tatactttga ggaaatacgg ttgatcttgg cagggaaa 348

<210> 8026
<211> 485
<212> DNA
<213> Mus musculus

<400> 8026
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cagtcctaca gatccaaaac gacagcatct ctatgacaca aggcaacaac gggatatcca 360

aaagacagcc cctgaggttc ccatattgca aatgtagcag gagacagagg ccttgaacca 420

gaccaatgac tcagtgtaat gaacgtttga aagcaaagaa gtgtggtcaa aagtctctac 480

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<210> 8027
<211> 409
<212> DNA
<213> Mus musculus

<400> 8027
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<210> 8028
<211> 530
<212> DNA
<213> Mus musculus

<400> 8028
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tccttgtgtt atctactgtt ttctggtcaa atttcttgtg ggatttttca gaagaaattt 180

gtgaatttgg tgcagaattt gattattcct gagaaagtgc tagaaggaac actgagagcc 240

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tcccttgtca attctcattc attttctgac attccatggt actcaatcat ctgctttttc 360

tcattgtcaa tctatacttc tgaggccggg gcgttgaaag agatcattca tatacagcaa 420

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<210> 8029

<211> 480
<212> DNA
<213> Mus musculus

<400> 8029
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gcactaggag atttagttag cacagattag agtaaaatct aggagctttg taatatctgc 120

aataccaaag aaaccaggta atgcaaattc tctaccagaa tgtttctctg tgaatattct 180

aacaattgta acatgcatga aatgagtata atccctaatc catttactga caacaggaat 240

ttctgtaaaa cagaaattgg atatgcaggg aaaaatacat tgctgtcata aatttacaat 300

actcaaaact tgatgccctg ggcatttgca gacagcatca aatgtgtaat aaaaatgggc 360

ataggaatac atgaattttc agggagaaat gaggacattt ttcaaagtat gtcacttcat 420

gactcttact tgtgacatac aggctgagta tcgttgtcat ttctaccagc aacagagcat 480

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<212> DNA
<213> Mus musculus

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ttcctggtat tacaatgaat atggctaaag caacatggtg gtagacatca tggtctatgt 180

ggcatccaag gaataagaag ccctggacca cccaacccag aaaggacatt gagagaaaga 240

gagacgcctt tgtctgctaa ggagtcccag tcccaactca gcccctgaca ctgactattt 300

cttgcacagt ttctgttcca gaatctctcc ataataggag gagcctaggg agccctaatc 360

tcttgaatac caccactatg tttattgtga cattatttac agtagcccca ttgtggagtt 420

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<212> DNA
<213> Mus musculus

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cgctccttcc ccgtgatgca gttctgaatc ctccctgtag caggggggtct ttgctcgtgc 120

ctgaagatgt ttcttgtccc gggttttcga cacttcttgc gcgcgctcga ctggccagga 180

agaacgacgc tgcaacagga tccttctgca cacgtttatt gggagagctc gattgtagag 240

gcgaaaagac cctgagccca gaactggtgc tgcttacata ggcctaggag aggcgtgtct 300

cacatctgat tggttaactt gtcttggcaa aagaaccttc actgcctatg tatgtgtggt 360

ggccagcagt agccaactgc cactctgcag ctgccactct gcaacggctt cccacaaaaa 420

agaccaggcc atgaagctgg gatgctgtgg ctcagagcag agcacatcct caaatgctag 480

aggccctggg tgattgtcag tacaccatta cgtcaagtag ggtcttgttg ctcctaaggt 540

ttcttctaaa g 551

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attgaaagtt caaagattaa aaactgaaac agactcttgt tcaagactca tagtctaatg 120

agcaatgtta agcatctatg ctcaaaaacc tctgtaagaa tatcttttt ggacttagtg 180

tgttcatcca ccatggtgga tacagaggta tctcatctaa tagggctc 228

<210> 8033
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<213> Mus musculus

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acatcaggca aggagaaaga ggaaatccgt tgggagcctg cgataaatga atctcttacc 180

ctgactaaac tggagagcaa gcatgctggc cattccaaac aggctcacta gaaatctcat 240

ttcacattaa cgctcgattt gttttgtctt gctttgtttt gtttgttttg ggtgtagctt 300

ttagtcagct cagaactttg aagggtttct caggagatca aagctggagg agttgcgtgc 360

ctgggtccca ctacagacct atgatgacat ccgtcacaga accagga 407

<210> 8034
<211> 432
<212> DNA
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<400> 8034

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tccaggccaa agggggggata cactttggag gcaacgttct gaaaaagagg gccaccgagg 120

ctcaagagcg atcactgatc catttgcatc cgatgatgtt taagtgaggg catctgtggc 180

accaacaggt acttcaacta tcccaggacc aaaaccttca aagtaccacc ggcgcggtgc 240

cagcagtagg agagcagaat cggaagaaac acacttttct cggagaggaa cacgaagtca 300

acactgagcc aggatctttg gctgcttggc aggcctcgag gcccctccag atgttggctc 360

caagcacaga aggagaaagg acagagtgag acaccagaat agcttcagag gcctacttct 420

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cttgcacact gggacacaaa ctgccctctt gctgtgggac ggaggcatgt ggcacaaccc 180

actgctgcga atctaaacat cagacccact gcgagcgggt atcatgctga aaggtctcga 240

tggacactat cctgggtggg aggagtgatc agaaggccag tgttgctttg ggggaggcgt 300

cgggacgcct ggcagtttga ttaaacgcta cctggactga ggtggggcgc cggaaggcgg 360

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cgcgcctgca gcggggcgcg aggcacgcgg agcccgaggc ggcggcgcgc agaaccgcag 180

gcgacggcgg ctctggctcc ggctcgggct tctggtgctg gcggcggctg ttcgcgcgcg 240

gagcccgcgg ggcgcgccgg aggaagggca agttctcgcg gcccggcgcc gcggccacgt 300

cggagcgcag cgtgtgggcg cccccgggcc tgcagaggct gttgcagagg ttggcgacgt 360

ggcggcggcg ttacctgcgg cgaggggagc ggcccgaggg cctagaggag atcccgctgc 420

tcgtgctgga 430

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acccctttgg tcctcagtcc gggggtcccc gtatacccgg agactacagg tgtgggtcca 180

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tgtcacacac agcctctcta gcag 264

<210> 8038
<211> 258
<212> DNA
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gcagcgaacg agcggcggcc atgagcgacc agctgagtcc agccccgagc cgataggggc 120

agctccagca gcccctgagc tctcctcgaa acctcgggtg ggcagtgtct gccgtgggtt 180

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tcacgtaggg aaactgag 258

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tgagaacagt ctttctggtt tcttttcaat gaaatgcttt aaaaaatatc actaatacca 180

tgctatttaa agtttttcta gattatttgc attttagtca atgggggtta ttggttctct 240

tatgtgtaaa cactgtacca agttttgcag attctttcaa atccacattt ctgaagtttt 300

attttcanaa gactgaacat tttagaaagg aatntctttt ccccnnaacg ttttcttnat 360

ttgaacaatt ntgagggncc aattcaaaca cacttagaag cgaga 405

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tgagctgctg cctcgatgtg gggaaataga gtctgtgggg aaagtggtac aggaagatgg 180

ccgtatgctg ctcatagcag tgctggaggc catcgggggc caggcctccc gtagcctcat 240

ggactgtttt nccgacatcc tnttcnccct gaacnaacac tncttcancc tccntganca 300

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ggaggtgaat ggcagcagcc tgaggggtgt cagctacatg agggcagtgg atttgatccg 180

acatggaggc aagaagatgc gatttttagt tgccaagtct gacatggaaa cggccaagaa 240

aatccgcttc cncaatcccc cttcctaata gaccnanagg acccttntcc ccaccacctg 300

tttcctgtat cctctncagg tnccaccnac agccaccacg gcactcaccc tnccccctcac 360

accccagtcc anccaatcct ggtttttaaa gttgactgag tgagtcccta tgttgtgncc 420

tcacgttgag gacacctttg acagtgtgca tcttagtgta tatttattta tatgacagat 480

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ggcaacgcgt acctaaacac cgtgnaggcg tttgaccccg tgctgaacaa gtggnagctg 180

gtcgnacctg tgtntcactg ccgagnctgg tgccggntgt ggccgtgtgt gactgtttaa 240

ctagccagat ccgagacgtg ggtcacggnt ccacnaatgt ggttgacngt atntgatgaa 300

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ggtgagagct gttntcataa agccaggtga gntntttcct gcttcagcaa acagtggagc 480

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<212> DNA
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gtcaggaaca gagtcaattt caggggctct ctaaatacat acagattctg cgataatgtt 180

tggacttttg tattgaatga tgttgaattc agagaggtga cagaacttat taaagtggat 240

aaagtgaaaa ttgtagcctg tgatggtaaa aatactggct cgaatactac ggaatgagta 300

gagaaatgca gctttttta tnccaccttn tngttatttt nntcgctttt tgaagagaaa 360

catggaagag antttttttt atttattctc acggtgcaga aatgacaaca ctgtgctata 420

tntactaccc aggntcccgc agagagaagc atgcgantct gttntngtaa tgacctttag 480

tacacagcat aaagaaatgt aacttttttt taatgacaaa tcaaaagtgg ttgccttcat 540

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gacgctgggg tggataaaga gggcagcccg ggctcaggca gcagcccctt ccagctcatg 180

gcctcctcag aggaagacat cattgacttg aaatagantc tatnccctat tgnccatcct 240

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tgccagactt atacctcgaa tgtgtcataa cattaacaga gttgtctata tctttggtcc 180

accagttaaa gagcctccta cagatgttac tccaactttt ttgacaacag gagtgctcag 240

tactttacgc caagctgatt ttgaggccca taacattctc agggagtctg ggtttgctgg 300

gaaaatcann ccagatgccn agtgattttg acccctntac atttcgatag agatccactt 360

cagaagcanc cttcatnccn agaggtctng tggttattcg aacctttatt actagtgact 420

tcatgactgg tgtacctgca acacctggca atgag 455

<210> 8046
<211> 504
<212> DNA
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cagtcctggt ttacagaggc ttttgtgcat tttgaggtca ttcatgtgtt caggtatcct 120

gaaaaatatt tttcaactat gatttatttt gtcattgagc tttaggagtt tcagtcataa 180

ggaggctttg tctccacagt agctcttgta gatcacagct tagagaatgt gtctaaagac 240

tgtttcatga gcacatggtt tcaacactac acatgaatga atccaattct ctagctctga 300

cgtgctgtag ccagtgcctg ccgactgaat ttattaacta gatatttatt tagcattcaa 360

agtcatttgt gaatttgttt tgtatttata aaatttatac ttggaagaat gttctttaat 420

tttttaaaca ttttactatg tttctgtttt atttcttgac cagtcttaat gatttaaaaa 480

taaaaatgcc accctctcta acag 504

<210> 8047
<211> 406
<212> DNA
<213> Mus musculus

<220>
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<222> (305)..(305)
<223> n is a, c, g, or t

<220>
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<222> (347)..(347)
<223> n is a, c, g, or t

<220>
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<222> (353)..(354)
<223> n is a, c, g, or t

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tgaatactta gcgccagcgg gagggagaac gcttctttag tcctccgtct tggattcttc 120

ttcctctaac cctcagcata tctgccaggg ctcctttccc tggatagcag cagcttcttt 180

ctcagcagta actgagggtg catggaaatc gggctctggg gaggagcgac accagaggga 240

ctgatcctgg taggagcact tggttagctg ctgaccatgg gtgccaactt gttattatgc 300

ccccnttgta agctgctgag ctgggcttca gtttttccca ggccatncac acnnttataa 360

tttatttgag agaaactaat tgtattttca ctgcagtatc ttgtac 406

<210> 8048
<211> 286
<212> DNA
<213> Mus musculus

<220>
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<222> (38)..(38)
<223> n is a, c, g, or t

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ctcaatagag tgtttatcga gcatgtgtgg atggagccat ggttagatcc ccagcattag 120

attaaaccgg ccttggtggt acgtgtctgt aatccttgta tttgtgtaga ggcaggaggt 180

gcagaagtgt aaggacatgc ttggctatat gagcccctgt ttcaaggaac caaaacttag 240

gagttcaaag tcggagttgt cagattgtct ctctcaccag tggcca 286

<210> 8049
<211> 283
<212> DNA
<213> Mus musculus

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acagtctgac cagtgtcctg gatgcagtca ggttgatgca gtcggtgggt ccctgggccc 120

aaggacaaga aggggatctt actcaggaaa ccctgtttgt ctatacccag atgttctgtc 180

atgttctgca tatcatggcc atgctccctc aggaggtctg tgaacccctc tacgtgctgg 240

ccttggaaat ccttacctgc tacgagactc taagcaaaag caa 283

<210> 8050
<211> 521
<212> DNA
<213> Mus musculus

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<222> (154)..(154)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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aattttcctc agataaatgg gagtgtatga accaaaacat aacactcatc agtcttggga 120

aattttaaat ctgatcagct caccttaagg acancagtcc aattganaaa tgcaattagt 180

caattcgcag ataagattta aggccttcaa aaagtaaggg cttgctttgt ttcttcaatt 240

gacttttgtc aaccattgag gttaatattc acatgaattt tttatttgta tganttggat 300

agtttaagaa attattccaa ctncnnnncc atngnccatn ttttaaaggg tnatatattt 360

tgttttgata taagctatgt acttggacna aatacattgg catctaaaat ttgaggtgtg 420

ttatgactgc tttttgtttt aaaaatgtgg ttacattcag atttttgaag tgttttatgc 480

ttcatatggc taagttgtag tttggcagag ttaacagcat a 521

<210> 8051
<211> 462
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

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<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<400> 8051
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gaatcagtga ggctgtggga cgtgaagang caagcagtgc ttgcgcacag tcaccctcaa 120

aggcccagtg accaatgcag ccatcattct ggccccaccc agcatgctga accctgaatt 180

caggcccagc ctgcccctgc cccacttcaa caagcacctg ctgggggctg agcatggaga 240

tgaagcccag ggtgggggcc tgcgcctgca gctagggctc cacctgcagg gcaaagnagc 300

cntagctacc tggagncntc tggagcagct gcaggcagtg ttgtccagct acctggagaa 360

gaacatgcta ggcanccaga tgctnccagc acgtgtgttt gatctnggag gatgaggtgc 420

gtancctgcn caagatcaac agggacctgt tcgacttctc ca 462

<210> 8052
<211> 555
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (349)..(349)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(356)

<223> n is a, c, g, or t

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<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (469)..(469)
<223> n is a, c, g, or t

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tcctggnnnc ctggaccgca gactccagat catcctgaag accgtggagg actgcataga 120

ggcccacggc gagcgaagag tcatagccga agggtcagca caacgttcgg ctccagactc 180

cggccaggct aatctgacga gctaatggca acaaacgtgg gacctcagaa cacacaactg 240

gagtcagcac ctcatgctgg tttgtaggcc cctgttgccc cattccatcc tggggcactg 300

gaggccaagg cacaagctca gggaggaggc aggaacgctt tgaaaaagnc aaacnnggat 360

ccactgaacc tnatctttat cctngggtgg aggtcactgc ttttacggtg cactggctgg 420

ggctctctct tcccaacgag ctctggctcc atcaggactg cagattntnt tctgagcaca 480

ctgtgaaacc tggatctgga ccaggcttgg aaggtttgga agctctgttc ccaggagcgg 540

tttttattct accat 555

<210> 8053
<211> 308
<212> DNA
<213> Mus musculus

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<222> (263)..(263)
<223> n is a, c, g, or t

<220>
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<222> (276)..(281)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<400> 8053
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tacaaaaagc agcctgcaca tcttgaaaga ctctatggta tgattactga tcttttttata 120

gataaattta agttcaaagg cactaatgta aaaaccaaag tacccatgct cctggagatt 180

ctcgacagct acgaccagaa cacactgatt tctttcttcg atgcagcatg aaagataaac 240

aaggtaggcc aacaggacag ccngaagaag caagcnnnnn ncntgatcag acccgaggca 300

cctcagat 308

<210> 8054
<211> 513
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

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<222> (289)..(289)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (389)..(389)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

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<222> (442)..(442)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (463)..(463)
<223> n is a, c, g, or t

<400> 8054
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ttttacttaa ttcaattaat tgattctttg taagataatc ttgataatac ttaacagttg 120

acaaataatt tgagactata tttgtgaatt taatatttga tatgtaattc cccagatttt 180

agatttgggt taacctcact ctattaaaag ctatgacatt atgaaaaatc tgaaactgaa 240

caaaaaaatg agtgtagaaa atcccnaaac aattataact taaagtatnt actatagtnt 300

tccaaattta tctccagata ggactgnaca gagttgtgtt ttncagtttn tactaagcaa 360

atattaatat ttgtaataag tagaaaacnt nttcatcaag aacgagaatt atgtaataaa 420

gcatacagaa tgcatttaca ancctgatga aattagtgta tgntcaaaga ctacaaatta 480

acattttacc caaagttgtt tttgtagaac atg 513

<210> 8055
<211> 431
<212> DNA
<213> Mus musculus

<220>
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<222> (184)..(185)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 8055
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aggcctatat tgatgatttt gacctgagca gagaacatcc tggtgcaaac gctgtcaaag 120

tgaacactga cggtgagatt ggtaatgggc tgcaattttc cagctacgta catatacccg 180

acanngcttt tgtcaatctt gatcccaagc agcactttaa ccccttatac tatagaagag 240

agactgttaa tgacatggac gccattagcc tgacaactga tgatttgtta agacttccag 300

cggatggatg cttttccttc ccttgtgttc cacctgatca ccgaccaaac aaganataca 360

gtggaagaca ggattcatca gacattaaga atagtccaag tttttatgta gacgctactt 420

ccaagagcaa g 431

<210> 8056
<211> 548
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (45)..(45)
<223> n is a, c, g, or t

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<222> (56)..(56)
<223> n is a, c, g, or t

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<222> (64)..(64)
<223> n is a, c, g, or t

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<222> (110)..(110)
<223> n is a, c, g, or t

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<222> (126)..(126)

<223> n is a, c, g, or t

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<222> (143)..(143)
<223> n is a, c, g, or t

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<222> (165)..(165)
<223> n is a, c, g, or t

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<222> (308)..(308)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (318)..(318)
<223> n is a, c, g, or t

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<222> (322)..(322)
<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

<220>
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<222> (349)..(349)
<223> n is a, c, g, or t

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<222> (351)..(351)
<223> n is a, c, g, or t

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<222> (354)..(354)
<223> n is a, c, g, or t

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<222> (356)..(356)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (366)..(366)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (420)..(420)
<223> n is a, c, g, or t

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<222> (433)..(433)
<223> n is a, c, g, or t

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<222> (436)..(436)
<223> n is a, c, g, or t

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<222> (488)..(488)
<223> n is a, c, g, or t

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<222> (496)..(496)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (498)..(498)
<223> n is a, c, g, or t

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gagnactggt gctgttgctc ctggtcacag actttgcagc ctctcatgan actctcgact 120

cttccnattc tcaaatcatg aanaggtcac agttccgaac accanactgt ggtcattttg 180

acttcccagc atgccctagg aacctcaacc ctgtgtgcgg aacggatatg aacacttaca 240

gcaatgaatg taccctgtgc atgaaaatca gggaggacgg tagccatatt aatatcatca 300

aagacgancc atgnctgntg gncagctngc agaagagcag acggagaant nctntncnnc 360

cggtgntccc tgctcgaatc ccaccccatt ttnttttccc cccatttctt tgcatgatan 420

ttgttcacag aanttntctg ggtagaggct ggaagacagt gatgtaaagc ggtttataaa 480

cttaaaantc ttgttntngg gcttccggcc tacaattcag tttagttcaa cttatgaccc 540

aggcgact 548

<210> 8057
<211> 352
<212> DNA
<213> Mus musculus

<400> 8057
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cattctagtg tatagtttca ggtctcatta gacaatccta attccactac atttctgttt 120

gactccaaca ttccacttag cttgactagc ctaattttaa catgcttgtt ggaggtcacc 180

aatattactt gtatgatgct gtcaccatgt gacatccata aagattttgg tgtataccac 240

attgcattca accagctgtg attatgctta gaaatactat agtaactaga tgcagtgtga 300

acctttttcca ttaacagtaa gtcagtggct tcaatgtgat tatggtcctg ca 352

<210> 8058
<211> 323
<212> DNA
<213> Mus musculus

<400> 8058
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cccaccctgt ggagcccaag aactcagaga agatgtcaga gaacggtgtg tcctcccgga 120

tcgacatcct tcgtttgctc ctccaacagc tagaggtggc cgtggagacg gggaagcggt 180

ttattgagaa ggaaattcag tacccttcc ttgggcctgt tcccaccagg atgggcaggt 240

tcttcagttc tggctgctgt cagtgccaag tccagtcctt ccatctggtc agcgacatgt 300

atgagcttga caccagtggc tta 323

<210> 8059
<211> 453
<212> DNA
<213> Mus musculus

<400> 8059
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cgctgcagcc tccagtgctg ggtacgcttc tctcgtgggg aagggccgtg tccaggcatg 120

tggatggctt gaagactact gatgctttcc tctgaattgt tctttgcact gaaggaggac 180

ttggactgac ctccgactta catagtttgt taagagctgt ctttagcatt ctgctggaag 240

aattttggga gcaacagact gggacagagc ctgccagctg tggtggtgat ctttggcagt 300

gctaaggcaa aggagcggtg aagccactgg ggacagacaa ggtggagacc cagcagcagt 360

aaatacctag caattccaag gacttggttt catcagttac caggaagtgg gggaaccatg 420

gagggagaac gctatattgg gttcacagtt aca 453

<210> 8060
<211> 136
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

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ctaattatta gaactgtagt agtcttcctt atatgaatac ttgaaactcc gttagttgat 120

cttcaagacc acagag 136

<210> 8061
<211> 495
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
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<222> (145)..(145)
<223> n is a, c, g, or t

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<222> (148)..(148)

<223> n is a, c, g, or t

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<222> (349)..(350)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (377)..(377)
<223> n is a, c, g, or t

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<222> (383)..(383)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

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<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<400> 8061
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attattagaa ctgtagtagt cttccttata tgaatacttg aaactccgtt agttgatctt 120

caagaccaca gagagactng gctgnttngt tcctttccac ctctgctgtt tttaagagta 180

gggcctgttc ttttggagta gtatctgaga atgtcatggg ttccctcctg aatgcagggg 240

ataagaaaac atgccataca ttttatatta accagtatag taaaaaaaat aaaataaata 300

aataaagctc acacacaaaa actaagttgc ctttccttga atgaatccnn ccntgaaaaa 360

tgaaagaaaa ataaaanata aanctaatgg tatatantct taatttgtaa tgaatgagaa 420

tcnaaataat acacactgtg gatatgtttt taagncctta tgtaatttta attgttctgc 480

ttgttctgtg gttat 495

<210> 8062
<211> 483
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (122)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<400> 8062
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tgtttccggt ctctgtgtga cccaccagtg gcaggggttc cagctccacc ttttttttt 120

tnngcttgca gttgtccatc tgtaggcttg tcagacaaag tacaagatgc ccagttagag 180

ttgaatttca ggcacttttc tagctcaagt atatttcata tttgacatat ctgtgcaatt 240

tttaaaacgt tcattaactt atctgaaatt cagattttga ctgaatatcc tagatttttg 300

ttttctatgt agtttttaa acctgatagt cctagcaatt gatcacaaaa ggaggctcac 360

agcatgtaaa ttctctggtc tttatagcgt tcacctggaa tggacgaccc ttttttttt 420

ncntttncct tctacttatt tctaaaagag ggcatcaagg aacttaacca gcctacatgg 480

tgg 483

<210> 8063
<211> 490
<212> DNA
<213> Mus musculus

<400> 8063
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tcacagcaga atgtagttgc attatattag atctgaaacc ttatttattc cagttggtaa 120

aggtatttgc agaaagtgtt tgctgtgtca aggggccttt cctgacagtg ctgtcagaaa 180

tggtcaaccc tgacaagatg aaaaggtcac tttgtccttg ctgtggttaa aagaacatgc 240

cctgactact ttcaaatgtt atttcaaggt gaatatatta tacctgtctt actttgcttc 300

tctcttgatt taccacagtt tgtccagtta tgttttcatg aattatcagg agtaaatttg 360

aacaaaaaca tgtgaataat ctcctgtaaa tgtgttttat aacaagagtg tgctaaacta 420

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<210> 8064
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ttcgggcacc 130

<210> 8065
<211> 152
<212> DNA
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aattacagtc tagtgtatcc aaaactattt cc 152

<210> 8066
<211> 140
<212> DNA
<213> Mus musculus

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gtgctgaagt atccttttaa 140

<210> 8067
<211> 528
<212> DNA
<213> Mus musculus

<400> 8067
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agatttaaac agtcttaaat tgtgtatctc ctttattgta atgtattgaa aattttagag 180

aaaccttagt taacatttta ttaagtgcca atgtcagaat ataacagatt atagtttctt 240

atgggtgaca ggcctgcagt tcttattttg gaatgtttga tgaaggaaaa cctctcctac 300

tggtcacttg tatatgtaag tcaagctgtg aaaataaggt ggattacaga cgatgtggaa 360

gaatgtttta gcctgtagac tcagtcattt tctgtcagtt acttaacctt ctcatccaga 420

tgtgaattag acacagacca tcataaagtc aaagtcttgg gttaggtatt aggtgccagg 480

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ctgagctttg ctangtgntg acatgtccct gtccctccat acactgagnt ctcaactctt 120

gagccgccat tgccgtcatt cgtcacctag accatgagtg tgccactttc attggaccct 180

gactgtacac agaatggaag gcagtgcgat acttanctgc taacaagacn ggctctttna 240

ccagtatgaa ngacaattng ggggaggggt gagnaacttt tctttttct ttaatctctt 300

cagttggaaa tctatcatgg aaggaagagt tatgttttat cttgaaggaa ccattagata 360

cggaaatggt gatgaaccag aatttcttgg tcatttttcc aaaattgttt tttatttggt 420

tctattcctg ataaacagag taactggcct tcatttctag gtcttcgaga 470

<210> 8069
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tcagtctttc tctctctana tgtagataac ttatattttt aaaaagntta ttnntntntg 180

ggaganagat atatgtgtgt gtgtatatat atgtatgtnt gtgtataaaa tttttagaaa 240

ggagatattt tanagcaatg atgtatntct cntgttnagt gttttgtgan taatcantna 300

tngnatagtt ngggggtatt tnatttttna anttgctaga cttactttgt aaantcattg 360

naaggttttt ctanttctag tttaaaagat ncatatctca aatgtntnag agaaaatcca 420

ttgaaaacnn aaatctttaa ttgataaaag cacatgtgtt ccaactgaat ttattttgga 480

taacctctaa ttaattgtat ttgtgtttat atctattact gtttaagtag atatctcatg 540

gtcatatttt ttat 554

<210> 8070
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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catagttact gacaagtgtg tgatctcttt gcagtcacac cacctgctgc ctgaaaagca 120

gactcttcca agtaatggca gaggcagaaa gcggccatgc atgccatgtg tggccactgt 180

ccctacttcc tcccgtccct ttcacaactt gctctgttca gccttaatat ttcaaaggcc 240

tacagtataa taggagctga gcgtntggat caagtgtatc tcttctttca tcctttngga 300

agaatggaag tttcagcaca accccgacat gtatataagc tgaaggcagg aaaatgtggc 360

ctgacacttc acatccgtgc ttgacttaat tgaacgacag ggaaacacag ggctgcatct 420

gtgttttncc ctcgaccntc ttatntctta agtggagcta tgaaatgtca ccctgatact 480

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<210> 8071
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<212> DNA
<213> Mus musculus

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cctgtttatt ctttggcgcc atctggagta ttatttgtta cattgcacgc caatggattc 120

ccaagattca ttgtttgcct ctaggacttt atttaaaagc agaagactac aagaacccaa 180

tctggacttc agaagtggac tatctcaagt gaaccagcac gatatagacc agcttcagtc 240

tgatgctgtc aacgctttcg gagagtcgct gcaaaagaaa cttcttgaca ttgaagggtt 300

gtactcaaaa gttcgatccc ngctatagtt tcatccaggc tctcatcaga cgtatccgtg 360

ncctgctgag gctgtccagg aactgagaac tgactntctt ccgtggaaga gatgaactga 420

ggagaaccac ctctttttta tagatgactt tatttctaaa ttatgaccaa aagatatttt 480

gctatttctt tctttatata tggacatctt ttctgtaaac ctctctcatt tctccctcac 540

ttgtgaacaa 550

<210> 8072
<211> 522
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cagggcacgg agccgntgcc cgcttccttg atgggcaggc tgtcctgcgg ctgagctgcc 120

gggcnggtgg ccctgctgtt cggctgcagc agtgcagccc ttgccgtgca tggaaacctg 180

gagggagctg gtatcgtgct caagtacatc atggctggct gccccttgtt tctaggtaat 240

ctctgggatg tgactgaccg tgacattgac cgttacacag aggctttgct gcagggctgg 300

ctgggagcag gcccaggggc tccctttctn tactatgcca nnccaagccc gccaggcccc 360

tcgactcaag tacctcattg gtgctgcacc tgtancctac ggcctaccta tctctctgca 420

gacaccctga agctntcttg tctatggtag aagctgtgtg actacctcca aacttggttt 480

tgattattta gaatttttaa agtgattttc cctggtgttt tg   522

<210> 8073
<211> 557
<212> DNA
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<223> n is a, c, g, or t

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gggggtttgt tttgtttttg ttttantccc ttagcctcgt gtgtataaac tctcatttcc 120

aacagttctg aacacattta tacagtggtc caggaaagat gctgtttttc agaagttttt 180

aaatttgata catttcctct ttttactacc tgggtttgtt taaactgttc ttttataaga 240

aatgttttga cttacagatc attttatatt ctttttctac ctgactttca accattgaaa 300

atgtgtagtt ctttcaaatg gagtgaagat ttatttaagt taatcctaag ggtacacgtc 360

gtgtttagaa atgtgagaag gcgtagatga gcagatcagt tttgtttaaa gagcaaacta 420

acaacctagt tttcagaact tgtgcactcc tgttcctctc tgcatcattg tttgtctgaa 480

tgggatgtaa aagggacagc acacacagta gccttccgta cgtgtgaatt atgttatgct 540

tttgtatgac cttgtta 557

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<212> DNA
<213> Mus musculus

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gggttgattt caatggctta gaaagggtca gcccacaggg acccagatgc tcctatantg 120

gccacaatgt gatatcatgt gacagggcta ttcagttggg gtacggttgg nccattcaca 180

gagcctgggg atccaacctc gctgatcact aggaagagat aaactaaggc ataaagcaac 240

tccttggggt ttgggtggga tgggagttca gtctcctgaa acctc 285

<210> 8075
<211> 446
<212> DNA
<213> Mus musculus

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cctgctggct gtctaccttg agctgcagaa tggtaataca cagnntggcc ttgcagatga 120

tcaagcggaa ccagctgctc cccgcagtaa aggcgcactc tgatgtgagg aagaagacag 180

tgttccagcc cgtgcacccc atccagccca tccaaatgcc agcgttcacc accgtgcaga 240

ggaagtgaga gcttgcctcg ggaggccagg ggannnnatn ntnngnnngg aagnacggna 300

agtagtngct ggagaggaga ntnggagaga aacactgggc ctntccctgt gatgcacttc 360

tgccagcaag gccacgcctc ccantccctg aagtgtcact ccctgaagat gaagcattca 420

aatatgagtc gatgagagcc attctt 446

<210> 8076
<211> 454
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctacctaca gttgaccaaa aaagttaggn ccancaantt aatagttagc tttgctcttt 120

ctagtgtgag aaactgcggg ctggatcagt agttcagnca gctacacagg cataaaaaca 180

gtcattgtnc atgttnnaaa cctttcantg atnnaaccca ntttctantt nttcattgtg 240

acagtattac taaacaggtg aggaagggat attttgttac accntgtata gtngantgta 300

ttgtaccgtn tctgtgaaaa ccntgcttta aattatattt tcatatgttt tgttggggac 360

agagcacatt aagtttgaaa gcaacagaac tatcagaatt gaagncaatt tactcaaact 420

ttctntcaag aaaagctgct taataaatgt acat 454

<210> 8077
<211> 467
<212> DNA
<213> Mus musculus

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tagtgatgtg tgtgggttta tgtgtagaaa ttcaaggtac attctcatag tctgaatata 120

agtaaaaggc acaaaggcta cagcaggatt caaagatcta acaaatgcca atcccacttt 180

aactatgttt ctgcatttga atgtacacag cacttttcct atatagttct atacaaagaa 240

aacagaacta ggtataactg tgttgtagga ttgaagaaat cattatttat gtctgtcttt 300

gtttcttgtt atcctacaaa gttgatgtgt aaacatcaag ttgatttcat tggtgcatga 360

ggaaaagtgg atgtgatctg tgaggaacca gagtcccatg ggaagagttt aagatggcat 420

tcaatattca gtgctcaggt atgtagtaag tactgtagtc ctatggg 467

<210> 8078
<211> 330
<212> DNA
<213> Mus musculus

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cagagggcac tcttgcgacc ttctgagcct tctcctcctc tacctggttg ggtggagcaa 120

aaggatagtc acttttctga ggtctcccgg aaatgaatgt atttctcccc caaaagagct 180

gatatttaat gttttactag ggatttttga gaaacaaata accttattta taatctgggc 240

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ggcgtgagac ttttgcaacc cacaatggga 330

<210> 8079
<211> 519
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<223> n is a, c, g, or t

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aggctctggc actccctcca cttgtggtcg agggtataga agttgaccag ttagatttac 180

gaagagatat tgcctacaac atgtctctca tttatcagag cagtgggaac actgcaatgg 240

ctcaaaagct tttgtatacc tactgtgtca tataagcagt gtaatttata agacgatgta 300

tggaccagta tcttctaacg ggacctcatt nttcttgatg ataaaaatgg tactntcatc 360

actgcttgct accattacaa ctgctttgaa gcaggggatg tagctcagct gtagactncc 420

tgcttgcttc atatgtacaa gnccccagat tcaanccttt ggaaaattga aacacagctt 480

ttactctgga atatatgcaa agttgctatt cctatgaga 519

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<223> n is a, c, g, or t

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gctgcttagg tattactgat gtgtccttac atgcattagg aaaaaactgc ccatttctgc 120

agtgtgttga catttcaact acgcaggtat ctgacaatgg tgtggttgca cttgttagtg 180

gaccatgtgc caaacaatta gaggagatta acatgagata ctgtataaat ctaactgata 240

aggctgtaga agctgctctg actgcatgtc ctcggatatg tatacttctt ttccatggct 300

gccccctgat aacagatcgt tcacaagaan tcttggagca attaatagga tcaagaaaac 360

taaagcaagt gacttggtct gtttattgat cttnaccgag gctgatctca aaaccttgca 420

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aaaagggaag caagagagac acacaccccg accctcacct gctgtgagct gctgcctgat 120

atagaatgga tcaggtccag ggtaaggagg tgactcttct tgcagggtcc cagatctgtc 180

agctcactgc agtggcatgt gaaaggggg cagtgctnnt nntnnnantn nnnnnntnnn 240

natancatcc acactancca ccagatgtgn cctnntnana naggtntntc cttaancnaa 300

atgtnccccg aagtgattcc aancctnatc gagtntgggg aaagtggatt ctgatggtga 360

cgaatcggat cc 372

<210> 8082
<211> 250
<212> DNA

<213> Mus musculus

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atcgaggact ttcaatatga cgaggactcg gagacatatt tctacccttg cccctgtggg 120

gataactttg ccatcaccaa ggaagatttg gaaaatggag aagatgtggc cacgtgtcct 180

agctgctcac tcattataaa agtgatttat gacaaagatc agttcatgtg tggagaaaca 240

gtcccagcac 250

<210> 8083
<211> 542
<212> DNA
<213> Mus musculus

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aggaagtcac gggcccagtt attgcacctc tcttcccaca gaaacgtgaa gagggctggt 120

gggttgtgat tggagacgcc aagtccaaca gcctcatctc catcaagagg ctgaccctgc 180

agcagaaagc caaggtgaag ctagactttg tggccccagc cacaggtggc cacaactata 240

ccctgtactt catgagtgac gcatacatgg gctgtgacca ggagtataag ttcagtgtgg 300

atgtgaaaga agctgagaca gacagtgatt cagattgagt ctgaggcact gaacctgaaa 360

acaggaatgt ggactaggtc tgtcaggctg aggtctggcc attcaggccg ctgctgtccc 420

cagtccacat ccagttactg tcccactttg gaccttagtt caaggtctgg gtcttgtatt 480

ttcaagtgtc atgtcaagca tgaactgtac aatatttgga ggcatggttt tctagttcct 540

tg 542

<210> 8084
<211> 445
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ggttaaactg agcatgcgcg gtcctgcccc tccgcagctc caantgtcac cctagcaccc 180

agtcatggag cctactcaat gtgcagctct gtcaacagcc ctaagccgcc tcacccgaga 240

ggtaccttcc agaggggagg cagatgtcct cattgtcacc tgtgcctttc ctggctcact 300

catatcnggc tgtgtttcca ggagtgcccg gcaaccaaga accagcctcc agaagccaag 360

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atgggcagaa catcagtggc tcctt 445

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actcatggaa atagtattgg tttggtctgc atgtctaacg atgtgtgtgt attggtagct 120

atgtcacttt tgcaagtaca caggcaagcc aaattttagg tgacaaaagt ccataaataa 180

tgggaatttt tgttgtcttt tattaagttg aagttgataa ccattaattg ctaaaccata 240

tatttatgct ctgttttggt ttannnatgt aataatacct cattttnaaa gtaaaaacta 300

cnactgttac attttatttt aatcagctag naaattcatg tagcttttta aatatacaac 360

ctattaatga tttcttgagt ttttcnatct nccatagtaa attaaagcat tgcacagtat 420

ttattagta 429

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acagccagca ggcaggaagc tatgtgaagg aatcttctga tgtcataatt ctgggtgtca 120

ctggaacatt tgatcaacat tcctttggca agtctagcct tctatggaaa gtcagtagac 180

gcaattgatt tattcacctc tacaggaatc agacttggcc tattttggat ttcagtgaat 240

tatgcctttt cggtttggga cccagccaag gaggtttcca gtggaaggag gagactcttc 300

aattgagcta gaatcaggcc tgagctntag tgcttcctgt accgggaaag agacgtcacc 360

caataggcaa ntccgaagat nccctngaag tcactgcctg acaataactg atgt 414

<210> 8087
<211> 368
<212> DNA
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aaaaangata atccatacat cacagtgcaa ccaagagaca gtttgattct tttcacataa 120

gatttacagg tgtgaactaa ttttttttgta gttcctgtct gttcatttac catttatata 180

acttatagtt tgtggcaaat taccacagaa ctagttctct cttgccaagg ttaccagttg 240

ngttagagac cccttgggag gtanctgggg atggcagagn gntaggaggg nctnccttga 300

agcagagaac agacatgacc tgggttcagg gaggctcagc agcggcttag gacatgagct 360

ctgtttct 368

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<223> n is a, c, g, or t

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ctnacatatg cagtccaagg ccacgctggg ctacacttct ccaggcatga aggtccgtgt 120

ttgtatcaag gggcaggaaa ggagagtcca aggtcaaggc cagccgaggc tgcatagtga 180

gttgaggctc ttcagcaaaa gaaaagcaaa ctaataggag tcgttgaagg tagccaccgg 240

ccatttctct aaatatcatt ctgctgaaaa gggggcttag tttagtttag aatgcattaa 300

tgtatgtaga anctgggcta tttcagatta tttgaaattg tagctattgt taattancac 360

ttaataacta actagcatta tggtantcta aactattaga gtttactaca aagaggtttt 420

gattgaatta tattaaacat ataatatgga ttttaaaaat ttaagatgtt taagaaagct 480

atataaagat taaacatttt tgtggctgta tatttgtgta tataccttgg ttgttcttta 540

<210> 8089
<211> 83
<212> DNA
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gaagacatcg tggatgggca tga 83

<210> 8090
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<212> DNA
<213> Mus musculus

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ggctagcacc ctgtcttgtc ccatttgagc ttcgaagagg cacgcaaagt gagacaggcc 180

gaagaacaga cccaagagga gaagaggcct aggaggggcc cactagtggc cagtgccaag 240

gcaagctcag gtctaggcca actccgagga tanctggctt actggcccag gtccgctctg 300

aacacgtgga ccaaagggat ccaggcagct gtgtacatta agatgggtgg ggagcattct 360

gtacaggacc ggtgattgta aaaatttctt ttataaagga ggagctggag ggtggggtgg 420

gcgctggttg caaagttctg gcccctctt 449

<210> 8091
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<212> DNA
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ctgaacctga aattcttaaa agatttttt tagttgcaca gaagaaaagc ccctaatcac 120

cttctctaga agtctatagt ggctggccat tgtgcttctt tgaacacaca gaacagtgac 180

taggagggcc cattggagtg ccaggcagag tgagccactc agcgagtggg aggtccncnn 240

ctgagtatct catctgagca ggantgagat ccntgaggga cacaancccc ngatgacagt 300

gtaattcagg tcactt 316

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<223> n is a, c, g, or t

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aggtcccggt ggcaaggtcc tcaggactcg ggattgagaa acagaaaagg aatgtgcgta 120

caaataggca gtcacccgaa aagacttttc ctggatccgt ttgcctcagc tatttgtggg 180

aggcttggtg aaggaagggt aaggaacaaa gggagagaca cccaaggacg aatgtgagtc 240

tgttaccaca gacgcctcga catgntctcc tggggtggtt tctaaggtac cttcctgttt 300

aatactacat aacctcggaa aggacatcaa gggactcata gntcttcagt ctggagagtt 360

aaacatgtac acttgaaccg gtagaatccc ttntcattgg tantcctcat ttntcatttg 420

cggtttttac tgtgctga 438

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ccaaaaataa caaatttaag tgtatacttt agcaggtgtg tactaattac cagtaacttc 120

aacacaagca aagcaggtta catggtaatg ttcattcagt atatttcttg tttgtgaaat 180

tgaaacctct ataggcatca tatgcttctt gtctttaaca aagtctttgt cttctaagag 240

caaccccgca gtaaacaaca gaggggttgc tggacttgag ggtgacgaga cagatgatca 300

tagcagggat ttgaaatatg aattatggtt acatgntcct gatttttttt ttttnnggtg 360

acatgaatgg aacagaagta ttttgtttta gaagntcctg gcccagcgtt ggttcttcct 420

cctgtatcct gtgaggcctg gagcttttca aacactagag gggnccttag agtaagtgga 480

aaggacttct aaaatgtgtg tgtgctttnc cttccagaaa nccatctttg ggctactgta 540

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<223> n is a, c, g, or t

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gacacatacg atggcgactg cacaagaact acctctggga tctgtgagag aaangggaca 120

ggcacgcaca ccacgccgaa cgggattgtc tacacaggaa gctggaaaga tgacaagatg 180

aatggctttg gaagacttga acatttttcg ggcgctgtgt annaanggac agtttaagga 240

caacatgttt catggactgg ggacttacac attcccaact ggggcaaagt acactggaaa 300

tttcaatgaa aatagggtag aaggtgaggg agnatacact gancacccaa ggcctgcagt 360

ggtgtggtaa nttccanttc acagctgccc ccggcctgaa actaaagntn tacatgtaga 420

cctgctgcct taacgctgag atgtgg 446

<210> 8095
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<223> n is a, c, g, or t

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tttataagcg tggccgccac cggagccaca tctttcgctt tgtatgcgtt gaaaaaaacc 120

gangtggtta ttgatcggaa aagaaaccca gagccttggg aaatggtgga tcctactcaa 180

ccccaaaagc ttataaccat caaccagcaa tggaagcccg ttgaggagct gcaaaaagtc 240

cggaggncaa ccagatgatt gctcaccant cntntnttcc aaagaacant ntatnaatnt 300

annnggaaac atttntgcac aaantagatg ttgatgccag tgtgcggaaa tgcttntgct 360

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taccagatgc caaaggctaa actagacata gatttctcag attcatttct atgttaatgt 180

ttattccagt ctgtatcctc ataaaggttt gtagttttgt agagccacat gctttgggta 240

tctgtcacaa tcacctcttg tcccctcagt attttgactg aacatcataa tgctgatagg 300

aatcaagttn aactacgaaa gtgtcaaaca gcttgtggct tcttaattta atggaccttn 360

acttagaaat gtattgganc cttctaggac cacttgttga gtgaaaantc ttgtgtgcag 420

atgtntctgc ttctctgtcc aagttgttgt tcctgtattt catga 465

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tttgaatgtt gagctcagtt gtctgctttc agggctgctg tcctctgcca gggagaatct 180

tcatccatgg cctttaagtt cagagcctga gagtctggga gttgttgttg ctaggaaacc 240

tcaagcaacc aaacacgtgg tcccacactg ccctggcaca nctggtgttg gccaggnctc 300

agtgtggctg tgactggacc tgagagctgc aggcagccag tgggctgtaa cggctctcag 360

cagataggag gtntngggaa atgagttcaa gncctctggt gctctctgtc ctgattttca 420

catgaagaag cctctagtcc agacccaatc aaagactctt aagactttgg aacagagttt 480

ctttttctgc tcagtgcatc acccagaaat ag 512

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taatactgta gttatacacc atatgcctca ttttatcata gcttattgtg tatgaaatat 180

gtttgtaaaa tgaattgatg tttagtttgc tttngccatt tgaaaagatg ccacaccagg 240

aggtaaccaa taanagcnca gctccacatt nttntccctg gagaacccnt tcctggaaga 300

gtgatggaaa ccggagatac naaatgnccn aancacacac cntcattcct ctcgcacctg 360

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<210> 8099
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<212> DNA
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<223> n is a, c, g, or t

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<222> (303)..(303)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccctcagctc ctccatactt cttccaccca gcccacaagc acattgaatt cctcccacta 120

tgctcaggat aagcaaacag aaacagcccc tgcttgaatg gtttnctcat tctaccagnc 180

aactgtgtat ttacactgta ggtcacacaa atgctataaa gcagaagtcc ctgggtatga 240

tgacatcaag caggctacct ggcccgcagg tcatgtgtgc aagagtagga gtatcaggga 300

ntnctctctg tnntgaagtg acatntnanc tggaaagctc acanttaatg gganccaagg 360

aacaagtatt tcaagaagag tggantcgac ttnaacnctn ctgatgtaac tggataagga 420

caagtgaagg gagggatgga gaactccacc tnccatcatt gaatcgagtn cctactgttt 480

nccagacact ttaccaaagg ctnccaagnt ccttgctctt agggaactcg ttttctagag 540

agagggcatg ca 552

<210> 8100
<211> 496
<212> DNA
<213> Mus musculus

<400> 8100
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acggaagcgg ccactacagg ttgtcctcta actgtatgtg cacacaaaat aaagtgatgc 120

acgagtcact cccgaccaac agcacttgag gtggccctct ggctttcaca cacacatgtg 180

tgcacactgc tacacatata gcatctacac aaatgttgtg tgttttctga cattcactct 240

gtgactaaaa ttatacttgg aggaactttt aaacattttg ccctgatatt aaggaaaatc 300

ctgcaaggtg caactatgaa caagcagttg ggttctgtgc tgctttgggg attttacggg 360

tttgcccagt gctgtgttca cacttccgta aaggaaggtt tacaggcact gatggacaca 420

gtgagcactg agtttactga gtagttgtgg aaagctctgg aaagccctaa aataaccatc 480

ttatacattc cagtct 496

<210> 8101
<211> 496
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (394)..(394)
<223> n is a, c, g, or t

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<222> (396)..(396)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtgctctgca ggaacgtgga ctcctcagcc cagtgcttga ctcgctcccg ctgaacagag 120

ccccagcggn ttccaggaag cttaagtggg ttccgagaca gacataaact gatacatgca 180

actattttcc agcaagaaag ctaagaggac tttattcagc tgaccaacaa gtaagccctt 240

atagtcagat ctagtgactg aggcactgcc aggccgtgag gaccatggag gtctcagatg 300

tctgccgtcc cctcccctga aggcccntga cagaggagct aggtgctggt tgntcatgga 360

ttggtattaa aactgaaatg tgaaagctct tgtntnttcg gttgtacatg acacatgtgt 420

aaagttncct ctctttgctg ttttatttaa gaatgttgag tccctaaggt agaaacctct 480

actttgggaa gacatc 496

<210> 8102
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<212> DNA
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<223> n is a, c, g, or t

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<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<220>
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<222> (465)..(465)
<223> n is a, c, g, or t

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ctgcacattt ttgtcatagt accaactagt ttgtacctgt agtttgaatt tctctgttaa 120

gataaaacct tatcaccccc caccctcaac tccctttta gaggacatct actaaaagaa 180

agtccagtgt ggcattttct tgggtaatga ctggttgtgt aatttctgcc cttcacactg 240

tagaaaacac catggatgcc attaccttct gattccaggt taaaaacctg cagagagctg 300

ccattttgta cagcttttct ccccatgtaa atgagctatg tgatggcatt taaaacccgc 360

atgttctttt taaactgaat tttctatcta atcaantntc ttcantcctg aaggagaatc 420

tgcattgttn tctgtataga gagttgctgt gcatggttac gagcnccttt tactaaatgc 480

tgttcaatgt ggctttgttg ttgtggctta atactaccta catgagg 527

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<211> 482
<212> DNA
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<222> (373)..(373)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctgggacct agtccctctg tctctttgcc ccggctctgc tggccaagtc gtgggtcttc 120

cctctgtccc ctcgttgcat gctgttttca gtgagccctt tccttccagt catcaccact 180

cactgctaac cacatggtac attccagcat ttccctctgg cggcgctctt cagaaagcca 240

gtgaccgccc ctcctctaca tccttgttct gccatctttc tcttaccatc tgattccctt 300

tctgttttgt taatacattg aacacacgtg tagaaaggac agtgctatca gccacactcc 360

aagctgcttt ccnccattgc aacagagtac tttgcccctc ctgccccacc atccnccacc 420

tccctaactt tgtactaggc tggcctggac ctgtgccagc tctgctatcg tgatctgttt 480

ca 482

<210> 8104
<211> 533
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (338)..(338)
<223> n is a, c, g, or t

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<222> (382)..(382)
<223> n is a, c, g, or t

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<222> (407)..(407)
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<222> (409)..(409)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gagatcttca aggcctttac tcatgccctg tgtatccttt ggacaccata ctatcatgcg 120

cagtggcccc aagccaccga gaaccagtct gagaagctcc agattcgctc aggcccttga 180

tcatcagtcg tcgtcgtctt cgatttgcca gaggagttta gatgaagaat gtcaaggatg 240

ttcctccctg ccctcccatc tagccaagaa catttccaag aagataaaac tgtcactgag 300

acaggtctgg atgcncccnt aggggcaaat agagaagncc tttaccacat tgctgctggc 360

tataggaagt cccaggtact ancctgaaac agctgatatt tggggcntnt cacagacaat 420

atgnccaccc cttggtcttt atgcatgaag attatgtaaa ggtttttatt aaaaaatata 480

tatatatata taaatgatct agattatttt cctctttctg aagtactttc tta 533

<210> 8105
<211> 520
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (336)..(336)
<223> n is a, c, g, or t

<220>
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<222> (342)..(342)
<223> n is a, c, g, or t

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<222> (360)..(360)
<223> n is a, c, g, or t

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<222> (395)..(395)
<223> n is a, c, g, or t

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<222> (436)..(436)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8105
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ggagggatgg agatcaagaa gccgagtggc cctgaaccag gattccgact gaatctgttt 120

acgaccgatg aggaagagga acacgcagca ctgtccaggc cggaggagtt gtcctatgaa 180

gtcatcagca tacaggctac acaggaccag caacggaatg aggagttggc ccggatcatg 240

ggtgagtttg agatcacaga gcagctggag cagaacacca gtaagggaga cgacttgctg 300

gccatgatgg acaggtnata gatgcagatg ggcacnccct anccctccct caagagactn 360

ccttagacca ccctggacac ggatggctgg ggatntcatg tgcccctgct ggattccaac 420

caaggcctgc accttntnag tccatttta agtcagaaaa aaactgtgac gacctctcgg 480

agagcatcca tttctgaagc cacacacatt tctgtatttt 520

<210> 8106
<211> 479
<212> DNA
<213> Mus musculus

<400> 8106
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ctctgtacat aataagccag gcatggttgt gcatgcctgt aattccagca gttgggaagt 120

cggaggatca ttcaaggcca gcccgagata catgagaatc tgtgtcaaaa aagcaaagtg 180

acaaacgtta ctctgtctaa caaaacatga tactctgaaa gggtgtcttt atttgctgtt 240

tgcgagcttg gatatagata atttggccca cactggagta taccagcaac agtttaaaat 300

acatgtgcca tgctttggtt tcgtatttta aaagtttgta tggttttatg ttttggtttt 360

gattttaggt ttttggtttt ctgaatttac caggttctgt gttaaaaaat attttcatat 420

ctattcagtt ttattatttc ttttgttact aaatatttga ctcatttctt gatctcaga 479

<210> 8107
<211> 310
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
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<223> n is a, c, g, or t

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ggtattttca tataaagtca catgaaccca gttcccagaa attttaagtg atggcagatc 120

tgtttggaaa tgtttgcttt cactgataca gagagcagtc tttatgtttt gaagacttac 180

aggaangtcg ttaataggag tggactgtac tgaatgctgt tggatctttc aaggtttcca 240

ccatggcttt ctttttttct ccagaatact gtgattaaga taactgagca cttctcttta 300

cattgactgt 310

<210> 8108
<211> 522
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (345)..(345)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtggttttta aggcaggaga caagntncag ctttggagca tgaagaaatg ccttggttgc 120

aaaggcagta catggactca gcctatctgc ctcaaacctc acgattacat gatgtttctg 180

acatggaccc ctcaacacac atttttttcaa gaaattatcc aacagaatgg aaccacatgg 240

aacacgacct tctcaagaac gtgcgagatc ttcgcaggag actcacagcc cgggctcgga 300

acagctgtcg gcaccctcat cttttggtga cataaaagac agttnaccat taaacaatca 360

gagatacctt ttttaatcaa tggcattgat ttttttttcaa ctatttattc taatttttta 420

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taatgctttg gcttgtaaag ggcttctgga atctttcaca at 522

<210> 8109
<211> 516
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcgatgtcca caaagaagtc attgccagtg cctataatat tatcaaaatg aaaggttata 120

cttcctgggc cattggcctg tctgtaactg atattgcaga gagtattctg aagaatctca 180

ggaagacgca tccagttacc accaaaatcc aaggtctcta cggaatcaaa gaggaggtgt 240

tcctcagcgt gccttgtatc ctgggagaga gtggcatntc tgatatcata aaggtaaanc 300

tgagccctac agaggaggcc cagatgntaa agagcgcaga gactatttgg aaaatccaga 360

aagatattaa nttttaantc acccttntaa agataccgaa gacagaaaac gcagtgcacg 420

gccaagtgtg gggtgaagcg ggggttccga aagctggagg ntttnttgtt tagntntcct 480

gttgtgtagc atccagaggc tgggtgactt tgcttt 516

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<211> 451
<212> DNA
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<222> (196)..(196)
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<223> n is a, c, g, or t

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<222> (306)..(306)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tccccatctg catctttgga cactccaaag ccaccttcta gccccaccca cggaagggct 120

gacactggac agtgactctg tgccagccat tgatggaggg acagctgtat ttctgttaac 180

acgtggttac tacagnagac agactnttaa aaacacaaag aaacagtctt aagtatgaat 240

gtgctcatag cccagctagc tccctgtggg ccactgagta actttgctcg gcttactaac 300

cagaanatgt gggcaagtgg aaaggctggt aagaaaggag ntgaactctg ntcccnatga 360

aancccagac cacaancaag aaatnttctt nccttttntat cctncccttt gctgacntca 420

ggattntgct tcctcaggga gtagggagca c 451

<210> 8111
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggacgtggcg tgcanaagcg ggagggaata aaagccacct gggtagggaa gtcctctgac 120

caacagccca tccttttgca gtgccctgtt ccagggtcat gtggccaccg ctgctgctgc 180

tgtttctgct gcttcctgct gcccatggcg ccccccaccc ggctgcggac ctccaggaaa 240

actttccaag cgtactcgaa gaaatccaaa ctgaaggaga cagaggcatg tggagagaag 300

acaacccgtt cgntggctcc cgctntcntc ctggntcatg aggtggnttn tatgtggtcc 360

agaagctggg ggcgaggacc tgtagcntca tgaaggcctg ccaggcacag gatccggagn 420

tccacantcn tcccaaaatc cctgntntcn tccgggggcc cttcagctgc tgaaggggct 480

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<210> 8112
<211> 508
<212> DNA
<213> Mus musculus

<220>
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<222> (294)..(294)
<223> n is a, c, g, or t

<220>
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<222> (364)..(364)
<223> n is a, c, g, or t

<220>
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<222> (404)..(404)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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gggccgagta gcctcccgcc tcacgttttc catgtctggc cctgcctgcc cagaggctct 120

agtcaccaag gccctggggc cattgttgac agggacaaag gtatcccagc aacagggaag 180

cgggcagcca cagtctaaga cctcagctta cttcctggtg cggggctggg acccaaagtg 240

ttccctcccc cctccctgcc ccacagcggg aggtcatgcc ctctagagcg tggntctcca 300

ccccatctct gtcctcaaga cacatccaag taagggcaca gtgacaaagg ccacaaagta 360

tggnccatga tctagagatc cacagaagga agtggatacc taantcttgg gttggggaga 420

atgctctggg atcactggtg gcatcgctga acatgcagan cccagggcct gctcattctg 480

ctagtgcatc ctgtgtatct catgacaa 508

<210> 8113
<211> 467
<212> DNA
<213> Mus musculus

<400> 8113
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caggctataa atttaaacct agcatatagc ataaaattgc cattttggtt tttagctcct 120

cgcatacatg tgcctccgtg gtcacctgtg ttaaaaagga gagagggccc tttttctttt 180

ggcactgtga caatttagta actactgtgg ggaagtgttt gccttttatt ttcagtgtga 240

ggatttaacc aggttattac aatgatggtc acatagtttc agttatgtga acctatatat 300

agaaacagtt atagtttcag aatttgccaa gtatacattg tgtcattctc tacagtccag 360

gtgttcctaa taaaataaaa gcagaaatgt gtgctttttg gtaccaatca gcctgattgg 420

tgtaagctgt catctgaaac atggaatctt tccttgtagc actatta 467

<210> 8114
<211> 313
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggcaatgacc acagggcaag tgagaacctg caagnttgca gcagacttgg gagcacatgg 120

aggcttttca tgccccagca ttcaggcacc ggatgatgca cagctcctgc aaacagcagc 180

ttggtccgtc aagttatctt ggtacaagtg tccgagaaat actacagagt atctgccaaa 240

gactgcactg gtaactaact gttctgcatg cagttactgt cttctttcag ctttagttaa 300

cctactccat ggg 313

<210> 8115
<211> 527
<212> DNA
<213> Mus musculus

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aaagggccac ggggcctaga aagaggatca gaatgctact gaactaattg ggcagccatc 120

tcaaagctgc tgtaggcaaa gggctgctgt agcacttttc ttttagcaaa ttaatgactc 180

tctggcaaag gagtgtttaa gtgaaggcat taataagggc tctggcaggt attcccatga 240

ttctcagagt tccatttgca ttgaattaat cttaaagaaa cttgcaagat aaacagctgg 300

aattcggaca aacatggcag attcagtgag tgaagtcctc tcatccataa aatgaacacg 360

agatacttgt tttaaaattt tttccctgtg ggtaaaaata gaaaaatcag aatgcttata 420

acaaaacata atttggtaca aaattcttca aaatacttgt atccaactat aaatatattc 480

ttcttgagat aagtcactta cgattcttgc tctgtttgtt ggtgtaa 527

<210> 8116
<211> 373
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tttatcagag tggaccagac cagaagccag ccagccctac agcaggctca aaataggagt 120

cagccnttgc tttantgatg gggacctgtg tgtatcggtg tgatcacagt gccccctgct 180

ggcagactca catcagggga ctggaacggt tcatgtagta gaagcctagc cgncctgcct 240

ggctcactaa cccaccttnc cttgacaacc cctagaaacc ctncctgaga cctcttgggg 300

tgccaagagg ggtacattgg tttttaagtt tatggttttn tcttgtttta tcatgattct 360

ttttatgaag caa 373

<210> 8117
<211> 158
<212> DNA
<213> Mus musculus

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acaggcagca agcaggcaca gctctgctct gccctttgtc ctcctagttg aaactcctgt 120

ctataaagag cttgttcttc atgttttgag cactttat 158

<210> 8118
<211> 452
<212> DNA
<213> Mus musculus

<220>
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<222> (212)..(212)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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gtttagtatg tatcttctga aatattatgc tttcactctg tttttaaagc ttatagaatg 120

gctttaaatg tgagccaagc cccagactat caatgtcaat cttgctgggc tattaatcac 180

atcctaagac cattaaaaaa aaagcttcct gncaagccac aacctcctta ccccatggta 240

gaaatctttt tcagacctca gtgggtattn atcatgcaga tggtccagat tnaggtgtac 300

gttcaatcta acaaatgacc tgggctttga aacctaccca tcatctcaga tagaactgtg 360

tgtgcttctt tgtgctagta catgagaaaa aaagattttt attgttttga cagtcccagc 420

atattgtgtg taaactcttg ttgtgctcga at 452

<210> 8119
<211> 550
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<400> 8119
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ctgggcctgc agtcacttgg ctttggacct gcagagggtc cccagcaccc gcatactggt 120

agcactcagc tggcttgtcc acatnctcac ctcagccacc tcatgatctg gtggaacctc 180

ctctttcttg tttctggctg gtgcagacac ccgtgtgtcc taatacccat ctgtacactg 240

cagtgtgtgg tgcattcctc ttaaacagct gcagccatgg cttgttgtat tgtagacgct 300

gtccccagtc tggtgtttct gtttgacatt tgtgaatgct tacgtccgtg taataccctt 360

ggtgctgtgt cagtgttgtg cacattggac tagacattct gctttgttgt gcacttggtg 420

gcttccttcc tatgtgactc ctctgctcca tggacagtgg cactgatgct ccacgttgcc 480

ttccagttgc tgccatggtg ctgtgagcag atgctgttgg tgctgctccc ggacatctat 540

tttctcataa 550

<210> 8120
<211> 236
<212> DNA
<213> Mus musculus

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<221> misc_feature

<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

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aaccccaagg caccttcagg catggctcaa ggacatacat cctgaaccag caatgcctat 120

ggggcttcga attgtacctc ctctcatgga gaggcacatc ttcaggactc ggaaggtgaa 180

ccacccaaag atagtagctt ggcnttggan ccggaagatt gaaaagctct accaca 236

<210> 8121
<211> 378
<212> DNA
<213> Mus musculus

<400> 8121
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agtcggactg cggggagggc acggcaccaa gacctccgca tccaagtgaa accccatcct 120

gcaacttggt tttaagaaat caaacggatc ttgagaggca gcgcttcctc agagggagga 180

aaagcgtcag aaaattgggg gtggggaggg aaagcatcgt agactcctac cgtttcttga 240

gtttatgatc agttgaaatt tcttgtgtta tggaaaaggt ccatcctcgt ggcttcgtta 300

ataagtaaag gacggttttg taaaactgta aagacttaaa attgccagta gtagagccca 360

cgacgaagaa gactcgaa 378

<210> 8122
<211> 509
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (351)..(351)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (473)..(473)
<223> n is a, c, g, or t

<400> 8122
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aaaccacagc gccattttgt aggaactaag aagccaacct caaggaatca ctcgccccaa 120

gaagactttg ttctgatctg atgtgtttct agcctggtgg agcctcagct atccaaagga 180

agagctgtta agatgattgg aattttggtt tttccgattc actcttttt ctctccagcc 240

atctgcctta gacagcagga gaaaaggaaa cttagcctca gaggtggggt ccttcggaag 300

gactgacagt gggctagntn tcctgctgct gggagcctga gtgccttngg ntccttntcc 360

agacntcagc tttaccacgg aggttacctg cttaccatca anatcgaaac ttgcntnttc 420

ccctgggtgt attntccntn ttttgtgtac agtttgattc ctccaaactg ctntccctgt 480

gaagaaagcc gatggaattc agggagcct 509

<210> 8123
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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agcaagaaga agctagttga acacttcaac ggtagtgttt gtatttatcg cgccagtgta 120

cgttctgaac ctttcagggg taggagctac tgggagagac gggggagtga gatggggtag 180

acgaaagctt taatttagga agaaaaagtt caagtaaagg aaattatttt gatgaaatat 240

attttatttg atctgggtat ttttggacca cattattaaa ttgttgagct gcagctgagt 300

tgctgagggg agagctttgc taanccttgc acaggtgcgt gtgactcatc nccaggtgta 360

ctttatggag cttattttat gatttcaaat actgtactgt acataggagg tatgttacct 420

tctccttatt tg 432

<210> 8124
<211> 417

<212> DNA
<213> Mus musculus

<400> 8124
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tactcaaagc ccaaggaatg agctgctact tcactacagt gtggctgtga taaatgtgaa 120

aagagttttg gcctgtttaa aataattttt caactactta atggtacaga caaatatgtg 180

ctgcataata aaaatacctg tttattgtta caggaaatta aaaagggatc ttttatatta 240

taggattaaa actaattttc tgtatatgtt aactaattga tttaatttta agtatcttgc 300

atttattaat atgtcttaat tttgaatttg aaaacatgaa gtgcaataaa catactacta 360

cagatttcat tttgttgcaa ttggcacgca gtgcagatga tcactaacag tttgcat 417

<210> 8125
<211> 481
<212> DNA
<213> Mus musculus

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<222> (28)..(28)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (167)..(167)
<223> n is a, c, g, or t

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tgttttctaa gaataagcta attcttatca atatttacat attaatttaa taaataaaaa 120

ttaagattaa aaagtgcacc aaagcaatgg caaaantact ntatttntta aatatgctca 180

ggtggccaca aacttcagta tcgaccatta taaacccata tgagcagaat atttcctaac 240

aatcctcaat ttacactagt agaagtaata tctttaaaaa ctgttctttc tttaagtgtt 300

cctttctttc aaatgttgat tgcttttcaa agctttcccc ttatctgtca ttgtctttgt 360

atatagtgca gattgttgct tgtaagaaag gctaataagg aaccaaactc ttgtaagtaa 420

tgtaaataaa aaggtgggta gatcatgttt tcaatatact ctactacctc agtttacttg 480

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<210> 8126
<211> 445
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (190)..(190)
<223> n is a, c, g, or t

<220>
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<222> (374)..(374)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<400> 8126
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atttgtttaa taatcctcaa atgtgtcatt taatgtaaaa ctgcactact gaatggtcat 120

acagaagggc aaggctttag ttttcacagg attaactgaa gtagacagag aagggttttn 180

cntnttaagn actcattgag ttcttcacct ctccctctga ctgttcaatt gttacatgtt 240

aaagtggatg ttgatcagat ggacactaaa ccatcatcac ctctgcagac agtgttaagt 300

accacagatg ctaaggagtg gaaatgatcg agttgaccct cacacaggta tttctgttta 360

gtacttcaga gtgntccttt ctttcatctg tttaaaatng tatatgctaa atttttatg 420

gtaaacatgc attctacttg atcgt 445

<210> 8127
<211> 495
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (445)..(445)
<223> n is a, c, g, or t

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<222> (447)..(447)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (449)..(455)
<223> n is a, c, g, or t

<400> 8127
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gaaacctgaa gaggatgata tggcatactt tgaaagacag taccaggaga ggataaagct 120

ggaaaaggct gctaagcaga aaggaaaagt gccaccgctg ccgagcacaa agccatcgtg 180

aagtctggtg aacagatcga gccgtcatcc agatgcatct tctatttatt tattttctcc 240

caatatatat actttctaat tgtgtaaata tgtccttttg aattggctta gcttattgaa 300

acaagtgaag tgaatttttg ttttttgtca gaactcatga cttaaagcac tttctatncc 360

ttttaaagat gtctattggg tagcacagcc tggcgttggg atcacggtat tcttnncctt 420

accgtgtgta tgctcnctnt ntntntntnn nnnnntagca agttttatgt tatttttatg 480

tgattcaaac cccaa 495

<210> 8128
<211> 196
<212> DNA
<213> Mus musculus

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ctgactgtgg gaagatagaa gtctccactg gaaacacaaa ccttgtatta agaacctagt 120

taaagagggc ttccctaact accactacca ccactccttt tagattaagt tgagacctag 180

atggaatgaa tccagc 196

<210> 8129
<211> 311
<212> DNA
<213> Mus musculus

<400> 8129
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gagtttagag ccagatcatg tcagtttaag tagtagagtc aagggctggt ctggaatcgg 120

caccaagaac ttaaagggga aaagtgggta ggtgactgag gacatagctc agtattagag 180

cacttgctta gcatacacag gccctgggtt taatccccag tactgctgaa aaagaacagc 240

ttttttagat aaggaatttt agccaagaca atcaatgatg aatgctgaca aacgctctca 300

caacccatta g 311

<210> 8130
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttcaaagtat tctttttnn nnnntgtttt tggttttttt tgagacaggg tttttctgtg 120

tagccttggc tgtcctgaac ctcactttgt agaccaggct ggtctcgaac tcagaaatct 180

gcctncctct gcctccccag tgctgagatt aaaggccaaa gtatcttaaa aaacatttat 240

ttggggtcaa ggagatgtgg agatgtgggt catcacatgc atatggaagg cagaagactg 300

tgtctctggg attaagccca ggtcatcgnc cttggtggga anccatctgt ctgntcccgt 360

agtttgtgag acctgggttg gttctgtatt ccctatgtag cctgnccnta ccctcaaant 420

ncttcctncc tgagtttctg aggctgggac taaggcatgc atcagcatgc tgggttaaag 480

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggaacaacct tctaagtcgt gtcactcttc tagaaacgga gatgctgttg tccaaaaaga 120

gtgaatctgt agagcgtaat gtggcaagtc aagactgtga gtcaattagt gatgtggact 180

ttgtacccta tgataaaaac tacagtgtgg ggggagcagc aggcaactac cgctcgtctg 240

gctgtagtnc agtctcatca gaaacagcac ccgggagctc cattgttaat tactgtgtct 300

tgagagagtt ctcagaggaa acaactatcc agaaaatgga aaggatgaaa aaaatgtttg 360

aagagacagc agagttactg aaatgctcaa gtcnctaact gtagaatgtt ctgcataatc 420

gctcctagga ctttggctac ttata 445

<210> 8132
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<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cgctgcaggg cggcctgggc tccttctgcc atggnccccg cgctcaggtc cttnnctgtc 120

gccacggant ttantnctgn tgntgntnnn cnnnncnntn ntnggcnccc ncnccgancc 180

cnccaccggg agcgctntcc ccgntnagan ccncccntgc gtggattgcc angcatttga 240

attcatgcag cgcgcccttc aggacctacg gaaaaccgcc tacagcctgg acgcacggac 300

ggagaccctc ctgct 315

<210> 8133
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<212> DNA
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<223> n is a, c, g, or t

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tagaagagaa actatttgga tttccttttt gttggtttgg ttttccctaa cacgtgtcng 120

ntgtacgcat tcgtcacgtg caagctcagc ttgtgcaggg ttttttgtat ttgtaaattg 180

gtttaaatac atggaatttt atacaggttt tctcctgtgt tatatatgca ttatgtgcag 240

gtatgatatt ttcttcacta ctttttctat cttaatatag tgtggaattt tattgtatta 300

ttcttccatt cttaatactg taccacattc ctgctcagaa actgctcact tccttaaatt 360

gtcttttccc ccaagcgtga aatgtatcca cttataactg cctattncct gttctattag 420

catccaaaaa tgtggaaggc ctcccaa 447

<210> 8134
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<212> DNA
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tagcctttag tagcagaaac gacaggctta agaaagtggc ttccatagtc accatcctgt 120

cacctcactg aattgcatcc tgtagatgta gatttttgtg ttaaaatgta taaatgtgtc 180

tttagtgctt ttaagcaatg gtctcagcag aattttctaa atgtatctga cctgacgaaa 240

ccaatttcta gctcccctta ggcttcccct ccggcagctt tacctgacta atggataaga 300

cttggtgggt aacgcggttg aagtgctctt gcagtccagg gcctgcagaa ccctcgcagt 360

cacgnaaagg tgctccttgc tagacagaaa cttgctgact tccagt 406

<210> 8135
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<212> DNA
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aagcaaagaa cctcttctac aactcagtcc atntcagttc tggtgctacc tgantcggac 120

acgatgtatg gttcctggtn nccgggacgg ctggncctgt ntcacagatn caganncan 180

tccctcantc tagncctaga actgtggtgc actncntnca gctcttggac accntntcct 240

cggattctgc acacaggttg gactctcaat gtgaaccc 278

<210> 8136
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<212> DNA
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<223> n is a, c, g, or t

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tgatcatccc ctggcaaagg cacccgattc cacagctgta gttaaatctg cattcagacc 120

tctgacagat tattttagta gagtttggtt tgtactataa taccgtactt tgccctttgt 180

acttaagtct ttgataaatt ttcccttaac tgtatgattt tggacaagac atttcatagn 240

aaatattttt ttncaactct taagttagaa gtnatatcca atttactcca agtgacttac 300

gttcaaaagt aatgtntcgt gtttgtntcn ccnnnnnntg agacttaaat attncagttt 360

ctgttcacac tgtggattgt gttctgtgag aaaggttacg tatgcttcaa gtgaaaatat 420

gttctgagtg gacaagtgct gataaaagaa ttctctaggt gtaggagaac cgtattttat 480

atctcagagg a 491

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atagctataa aaagtatcgg cttaagagct gaaggcatct ttaagagagg agacagagag 120

gaggcaatgg aacactgact tagcggccag aacaatttta tacattctca agactgtcat 180

gaaaacaaat tgataatttt ttctgttaca ttacagtttg ggctccagcc atgcagttga 240

tttagcaggg aaatgcaggt ttctcagcaa ctccaaatca gtaaacagat ttagacgtag 300

acaggaacac gaggaagggc tnttttaaa catccantct cccagcatat gcacataaaa 360

aggtgaatga agcaacgtga aacgtacttn tnttcantca agtgaaaaag gctaaacatt 420

tgttagctgg taaaatattg tntcaagtaa gccggaagat tccaaaatta aacagtggtt 480

gatatgttaa cntcctcaaa tatttgagtg cacacttcct ttgagatctg 530

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttaagcaact tttcatgtct gcaaataata gtcctcctcc ctctaacgac gagtctccag 120

aagacagaag ntgtggagca gagcttgttg gagaaggtgg gactggctgg gaatgacggg 180

gacccagtgg aggagagcag cagggactgc gtggtgtgcc agaatggggg cgtgaactgg 240

gtgctcctgc cctgccggca cgcctgcctg tgcgacagct gtgtgcgcta cttcaagcan 300

tgtcccatgt gccnngcagt ttgtgcagga atcctttgca ntttgtgntc agaaagagcc 360

agacaaggac ctactagaaa cttcctgaag atatcacagc cggaaagtgt actttntaca 420

cagggtgcag anccttgtgt ccttagaggc aatcctaaca cagaatntac antnttaact 480

ntcggagaga gttntatttt cacttcgcac ttgtacaata 520

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<211> 51
<212> DNA
<213> Mus musculus

<400> 8139
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<210> 8140
<211> 434
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (323)..(323)
<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

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<222> (394)..(394)
<223> n is a, c, g, or t

<400> 8140
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cttcttccct caggctttcc tgacaggcac tctacagaac tttgcccgaa agttcgtcat 120

ctctatcgac accatcacct ttgatttcaa ggtgttgccc gaggcgtcat cagaaattaa 180

ggaaaggccc cagacagggt gctatatcca tggactgttc ctggaaggtg ctcgctggga 240

ctccatgaat ttccagctgg ctgagtcacg gcccaaagag ctgtataccg agatggctgt 300

tatctggctc ttgccagnag ctnaccgnaa ggtccagaac caggacttct acctgtgccc 360

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cgtcattgct gtgg 434

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<211> 490
<212> DNA

<213> Mus musculus

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<223> n is a, c, g, or t

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agcctcagac accacccact aagacacaag acggcggcta caggtggccc tcatgtgcct 120

gtacctttcc cggggccagg agtgtccatg tgccactgct ctgtcccctc ccttatttaa 180

ctgcagccat ctgtgcattg agtgttccga gtgagcaaac agtcagggtg gggtgttttc 240

acccccttca cctgggggggg gntgctccac ctcaggaagg ggttatgcaa gatggcactc 300

tagctgcagg nccaacctgt gcacccagcc tggccagtgg gcaatgaggt ctgatcagcc 360

cccgcacttg ggttttctaa gaacctgcct ctgaaacaca ggaaagctgt ancttcccca 420

tcctttggtg tagcagctca tctattaaag gcaaagcctn tcttgaagct gccccagtaa 480

atgagggtga 490

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<211> 442
<212> DNA
<213> Mus musculus

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agaaatcaga tcctcaaaca gcaggtgaaa tgagcaatta aaaccctgcg cgctctcctg 120

ggtgcaggtc tctctcaagc cgcatccttg caggcctatg caccggcttt caacggcagg 180

gagcgaagac tgggaaaggg atggcagtag cagctaaagc tgaaataata aaagatttgc 240

atcctacaac tatgtgcatt ctatttcttc tcacatctaa ccttgggagt cttacctaaa 300

aagccttttg tgggccacga atacttcctc ttgaggctgc aatgcttccc atgctcgtca 360

gtgctgccag gctcatcact ttcaagggac agacataagt gttacggaag gatgtatgaa 420

atattacaat ctaccacctc aa 442

<210> 8143
<211> 335
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggaatcaggc ggccccnttt cagcattgac ctctttanag aggaacagct gctggcactg 120

gcagactatg tggtcaacac ctacttccgc cacttcaagc tctacaaata tgtcttcacc 180

ccacaggtgc gactggacct atctttgact tacacggggt tacagccact cacgctctgg 240

ccagaggaga aagaaaacga ggagatgatg gtggtagagc aagtagctac tccacaggag 300

gaagagccgg aaactgtgac ggagccagag caaca 335

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<222> (202)..(202)
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<223> n is a, c, g, or t

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gggnttcaag gtcagccttg actacatatg aagttaaagg ccaacctgga ctatgtgaga 120

ctctgttttg aaacataaca gtgagtcaga ggagaagggc ggtggggtag ttacaggttt 180

ggatttacaa acctgacact antttctgcc cagattgata tagattgttt ggttggtttt 240

ttaattattt tnttcctttt ttaactagtg cttcaatttg tatctaacaa gagatgtttc 300

cctctttata ggatctntnc ttgtggacag aaggaccatg ntnttctaac tcaatgatgt 360

tctagaactg ggaattactg gtaacaattg gttagtcatc tgaaaataga gtgcaagacc 420

caaatt 426

<210> 8145
<211> 398
<212> DNA
<213> Mus musculus

<400> 8145
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gtaaaccagt agggaataca gtacaatccc aaccctactg ggaggggcgg gagggaggtg 120

ttgccgtcac tgtactaagt cgatgttggg aaatgtttta acatctggag cctttgtggg 180

tggaaatctg tctccaatta caactctgca ctggatgtga agaagcaaaa actattccgt 240

ctactcacag aacagtactt tctggaatat tatgggggat tgtaccaaaa caagaaccac 300

ttaaacaatg cctagggaat gataaggagg aggaaaatcc caggtccaca gcaaaggaca 360

cctaagagtg ggaggctgca gcagtaaggt ggcttttt 398

<210> 8146
<211> 436
<212> DNA
<213> Mus musculus

<220>
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<222> (224)..(224)
<223> n is a, c, g, or t

<220>
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<222> (243)..(243)
<223> n is a, c, g, or t

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<222> (279)..(279)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcctgcacta ataccaatc gagtgttatt ctgcctattt ctgtgttgtg ctctttgagc 120

aacaaactac ggggaaattc tgtgaaaaca aaaaattctt ttccttttt taaaaaatga 180

atgactgctg tattaaatat acgaatatac aagctttttt tttnaattta aatacacttc 240

tgncaaggtt atagatgatt aacctctgtt catagactna tatatggaag tagagttttt 300

tgtttacttt gaaactgttt caagtncaat tgtttcttat aaaacatggt cgattaccac 360

taaattctca ttttagctgg ttatctgcaa atatatagta tgtatccact ntctcttctt 420

gtgatattta gtttgc 436

<210> 8147
<211> 288
<212> DNA
<213> Mus musculus

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cagaggtctt gaaatcaggt gtgtttactt tctctgagga ggacaaagta caccctggtg 120

agagccaaga ctgaaggccc tgggtggcct tctctgctaa cgccctgtga accgaaccca 180

atggactact gtggttagga agcattggac tttgttgttc aacgtataga gtctgagaga 240

gatgatacgt cagtgcaagc tctgggaact ctctgctgta gctcaatg 288

<210> 8148
<211> 478
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (311)..(311)
<223> n is a, c, g, or t

<220>
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<222> (320)..(320)
<223> n is a, c, g, or t

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<222> (324)..(324)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (345)..(345)
<223> n is a, c, g, or t

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<222> (355)..(355)
<223> n is a, c, g, or t

<220>
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<222> (359)..(359)
<223> n is a, c, g, or t

<220>
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<222> (402)..(402)
<223> n is a, c, g, or t

<400> 8148
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ttcccagcaa gagaaaccaa ggtgactggt attttgtttg tttttntttt tgagagtagc 120

ccaggctgac ttcaaactcc ctgtgcagcc aaggatgatc aggagttcat gatcctctgg 180

tttcccttcc cagaggacaa agaacaaggg gattgcaggg actgcccagc agccttgaac 240

tttttgtttt gtgatgttat attgagacag ggtctctctg tatagtgctg gctgtcccgg 300

aactcgctat ntagaccagn ttgnccttga actcacagag ntctncctgc ttctncctna 360

ccagtgctag gattaaaggg gtgcactgct atgcccagct gntcttaaac tatgaatcct 420

cctgtctcca cctccatgtt tctgggatta ttggcatatg tcaccacata cccatctt 478

<210> 8149
<211> 190
<212> DNA
<213> Mus musculus

<220>
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<222> (97)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(103)
<223> n is a, c, g, or t

<400> 8149
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ctcctctgcc tttcagcagc agcagcagca gcagcannan nnncaacaac aacaacagca 120

actacaacag ttgcgattct tgcagcacca aatggctatg gcagcagcag ccgcacaaac 180

agcccagcta 190

<210> 8150
<211> 479
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
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<222> (147)..(147)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (164)..(164)
<223> n is a, c, g, or t

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<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

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<222> (275)..(275)
<223> n is a, c, g, or t

<220>
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<222> (314)..(314)
<223> n is a, c, g, or t

<220>
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<222> (375)..(375)
<223> n is a, c, g, or t

<220>
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<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<400> 8150
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aacttcctta agactgaaga actgcaacct ggttattcca tgtccaacta tatgtataca 120

nccaagntgt tatgttgaan cttgggnaac ctcaggnagg cttntaaatt ctntaacttg 180

gcattgctac tgcctgttnt caccaaagag gacanggatg cccataaaga ggtgaagaaa 240

atnatcagtt ctttgaagag gaaattccat acaanttctt ctgtgtgaat actaatttcc 300

tgcggttgct tcantcacca ttcaagatac ctgaccttgg aaaaaacaga tcatggtcag 360

catgcaggtg ttgantccag actaacagga ccccttccac gtaaagatga aggacacaga 420

ntntgacttt tcaggagact tcgtgtacaa tgctggacca agggagttct aatccagaa 479

<210> 8151
<211> 339
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

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ctaccaaggt acatttcctt ggcattatga cttgataaaa ctgagagcat ttgctacaac 120

tttagctttt ttagtataaa agctcaagcc aaggtaaatg aggaggccct tgggaacaca 180

gtgacccttg taccaggcta ggaggttaca agcccctgag actgagtgtc cagaatatca 240

gcatgcaggt tctatgttta actgcaggtg gagtgangtg ggtgttaact tttattttga 300

tcaccttgta gtcttttaaa cccttggtct ctgaggcca 339

<210> 8152
<211> 515
<212> DNA
<213> Mus musculus

<400> 8152
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gccatcggcc ttcacagcga agctggtggc agcatcctgt ctacagagag caaatacccc 120

aaatggaaag ctgagaaact gacatgtgtc ctagtcagta agcccactgg gaaatgatgg 180

gttttgtttt atttgattga tttgcttggc gtagcaaagg tgcctttccc accctcctcc 240

ctttaaactt tgttttgtaa gacttgtttg aaacccaaac aagtccaaaa gactcgcact 300

gactgttacc tttgtccagg ctatcccaaa cttctctatg ctctcatttt attaaaagca 360

ggtgctccct ggaatctctg ggacctttct gaggcattca aagcagaata taaagagtgg 420

tctcatctcc ttccttaatc ctggtggttg ggatgtccca cttgtatcat agttgttttt 480

attattactg atgtgctccg ctgtttttaa atgtg 515

<210> 8153
<211> 495
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<400> 8153

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agtctttcta actgattaga caaacctcta gattctggtt taacagattt ctgctgcctc 120

tgtctccatc ctaaccatac ttttgaagtt tatacagaaa gctttaagag tttagtttgt 180

gcccttggtt tttattttta caactgctaa aatacctctg taagccttat cctttatcct 240

ttcatagttg tataaaattg tatagaattc attcaccaac tgaaatgttg gatatctgta 300

aatgagaccn aaatgtgggt tgctttttt cataaaataa tttctattgg gncgttgctg 360

tgacatgaac agcagccagc ctattaactg tgaatgcctt gtntcgtcag tatttgcatt 420

acattcataa aagtgtgcaa gtcctgtgac tcccagctta actaaatact gttatgccac 480

ttaacgagca cagca 495

<210> 8154
<211> 472
<212> DNA
<213> Mus musculus

<220>
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<222> (233)..(235)
<223> n is a, c, g, or t

<220>
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<222> (254)..(255)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

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<222> (261)..(272)
<223> n is a, c, g, or t

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<222> (298)..(298)
<223> n is a, c, g, or t

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<222> (318)..(318)
<223> n is a, c, g, or t

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<222> (320)..(320)
<223> n is a, c, g, or t

<220>
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<222> (326)..(326)
<223> n is a, c, g, or t

<220>
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<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

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cctttagtca atgtttcctt tccctcagtg tcaccaaagc caaatgtcat tgctaacaat 120

gtttttgaga cgcctgtagg gaataaaaat actggctaaa gggaagggtt tctcttcatg 180

aatcctaact aatctccctg gggcaggggg cttcggagta ataccttctg ttnnnctgtt 240

ctgttctgtt ctgnnctntt nnnnnnnnnn nngttttgtt ctgttctgtt ctgttctntt 300

ttgtttgtga taagaacnan aggaantctc ngnctgtgag tttgagtgac tggattagaa 360

acttcagatt gttaaattta gaaaaatgtt aactgtcaaa gtgaatgctt ttgtggtttc 420

tcttaaagca cttcaccata tacctcaaag attaccaacg tcactttgta ga 472

<210> 8155
<211> 504
<212> DNA
<213> Mus musculus

<220>
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<222> (134)..(134)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

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cctaagcctt atgggagtgg ttgtccctgt cgctctggaa tgagagcagg tacagagctg 120

gagggccgtg gccnaggccg cttgtggcct gctgggcagc aagggccttg ttgccagcag 180

aggcccaggt gtgcaggagg cagggccaac cctggcatca gctgcttatt tctaagcttg 240

tcctttaggg gaaagtgaaa ccacgacctg aatctggcag acggggcgca gaaagaagat 300

ggtttgggtt ttccgtntcc tctgcccaaa gctgagagct gcttcaggga tgggcagaga 360

acctttccc accacctcct taggatgcac ggggctatgg cagccaccct ggacacgtgg 420

atgaaaactt cgagattcta agagtcagat ccctaatgct actgaantcc taggtgaaca 480

ataaatgttc ctccacatcc ctat 504

<210> 8156
<211> 470
<212> DNA
<213> Mus musculus

<220>
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<222> (283)..(283)
<223> n is a, c, g, or t

<220>
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<222> (326)..(326)
<223> n is a, c, g, or t

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<222> (337)..(337)
<223> n is a, c, g, or t

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<222> (350)..(350)
<223> n is a, c, g, or t

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<222> (358)..(358)
<223> n is a, c, g, or t

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<222> (370)..(370)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

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tatcaggtct taggtggcca gacaaacaac aagattattt ttggccaaag aaatgggatc 120

tataccttcc atctgtctgt ggtagatcca tactacagct actgcaacct gaacaccata 180

ttcagcgtgt acgtgcacgg ggccttaccg gtgacgaagt tccaaccatt gctcaccatc 240

ctcctgatgg tcaccacaac gctgctgact gcgtggctgg ccntatgcta tccccaaaca 300

gctgaggagt gagaaaggcc agcganttct gggtttntgc taccagatan tccagctntg 360

cctaggggtn tgcttntgca cctggctgcn tggcaaactg agacagtggc tgcgccccag 420

aagggtgaaa gaccagaaca gaggcaaggt gcgagttgcc cagaaacatc 470

<210> 8157
<211> 441
<212> DNA
<213> Mus musculus

<220>
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<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<400> 8157
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atcctggttt agagaattgt ttnatacctt tcaaggaaag gccagtggag ctaatacaga 120

cacgactggg gctaaacaga ggtaaagcaa ggtgctttga gataatacag tcattttagt 180

atttaatgca gtgtcaatgg atatggaacc ctagctgctt tgaaaattta tggagactgg 240

cgtttaccag aaaaaagtgt ttgactgtcc cattagttag actcgaatgt aaccagttta 300

cctgaaaggt cgttggncag acacattaga atctaactgc atgtgtatta ggaagcttga 360

ctgagataag cttccagntc cccgatttct ccatccagta aaaggagagg ctcctcttgg 420

taccgctcag cgatcagtgc t 441

<210> 8158
<211> 504
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
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<222> (340)..(340)
<223> n is a, c, g, or t

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<222> (345)..(345)
<223> n is a, c, g, or t

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<222> (418)..(418)
<223> n is a, c, g, or t

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<222> (454)..(454)
<223> n is a, c, g, or t

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<222> (456)..(456)
<223> n is a, c, g, or t

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gcaaagcggg aggctctacc ctaggttctg ctcacaggcc cagtaaagac ttacacatcc 120

catagtaagc tctgataagt cacaggaaaa taggactgag acagatggct ctgatgtcag 180

ccatgacaca cacaagccct ccttgtcagc tccctggctg gacttcccat cactcagaac 240

agaatgggag aaaacggtgt tgctggttta atcactgtgt ctgaattcag gggccccgtc 300

tcgatagagg ggcatcccag ggcgaaggct cctccacatn tgaanctgga gcagaaatag 360

cagactacac cgtctgaaaa cgtcacactc caagctacca catacatccc caccaggntc 420

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cagtttcctg ggacttcagc agta 504

<210> 8159
<211> 514
<212> DNA
<213> Mus musculus

<220>
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<222> (234)..(234)
<223> n is a, c, g, or t

<220>
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<222> (265)..(265)
<223> n is a, c, g, or t

<220>
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<222> (267)..(267)
<223> n is a, c, g, or t

<220>
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<222> (340)..(340)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (381)..(381)
<223> n is a, c, g, or t

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<222> (406)..(406)
<223> n is a, c, g, or t

<220>
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<222> (413)..(413)
<223> n is a, c, g, or t

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<222> (415)..(415)

<223> n is a, c, g, or t

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<222> (417)..(417)
<223> n is a, c, g, or t

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<222> (419)..(419)
<223> n is a, c, g, or t

<220>
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<222> (422)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

<400> 8159
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caagagaagt cctatcatat tcatcaacaa cgtcgaaagt agcctacttt aagagaaaat 120

atgcagaaga agaagatcta catcaagatt cccatgggta ttttccaaaa cacctgatat 180

taccggaaga caggacttgt atcctcaaac tttccctaga gaagctcagg tttnttgaag 240

acccagaaac ctacctaaga aggtntntgt taattaacaa tttgctgagg aagatacacc 300

tagagacgga gaaagagagc tatgaatact tcaaggaagn tccctgctat aagactgctt 360

attntgatac gagaaaacgg ntgaagttta tggtacagga gtgctnttcc cantntntnt 420

antatgaaga gctgcactcc taccacattg tgccttacac ttcggagagt accatntatg 480

ggatgggcta cactggtgac cacttggagc aaaa 514

<210> 8160
<211> 574
<212> DNA
<213> Mus musculus

<400> 8160
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gaggcacaca gacgtgtggt ggtggaatac ctgcgggctg tcatgcagaa gcgtatttcc 120

tttcggagtg ctgaagagcg caaggagggc gccgagaaga tggtcagaga ggctgaacag 180

ctccgcttcc tgttccggaa gctggcgtct ggatttggtg aggatgcaga tggacactgt 240

gatacaattg ttgcagtggc agaggtcatt aagctcacag acccttctct gctctatcta 300

gaagtctcaa ctctggtcag caaatatcca gacatcagag atgaccacat tggtgcactg 360

ctggcactgc gaggagatgc cagccgggac atgaaacaga ccatcatgga gacgctggag 420

cagggcccca tgcaagcaag ccccaactat gtacccatct tcaaggagat tgttgtgccc 480

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tactgtgtgg cttccctgtt gtcaccatat taaa 574

<210> 8161
<211> 367
<212> DNA
<213> Mus musculus

<220>
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<222> (341)..(341)
<223> n is a, c, g, or t

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cttgggtttg tattaaatgg agcattggcc tttgggagag agacatttta ctgccaccat 120

ccccattctt aatttttcta tcctctacta agatgaactt ccaatttaca attgtcccaa 180

tcatttacat ttcagagggt ctacaggata ggtaggttat ggagcgaata gtgaaggtag 240

tagaagctaa atagggaggt ccgtaggcca acccctgcac caataccatc cactcttgtc 300

tcctacctga agacaacggc cttggttttc ttttgtgggg nagtgtagca tactgagttt 360

ttccttt 367

<210> 8162
<211> 464
<212> DNA
<213> Mus musculus

<220>
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<222> (109)..(109)
<223> n is a, c, g, or t

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agaaggaaag gaacccgagc aattcctaag tagatctagg cctgtggcna gccaaggcca 120

agcaggccca tcttaccacc ctgaagcaca tacaagcacc ctggtggaag aagcttggag 180

aagaaccagg ggatgaggtt gatgttccaa aggatgagct tagtatagat ttaggaatgt 240

tatttatcgg tggaaccaaa cctccctaga gagtactgtg aaagctggca atcttacctt 300

ttaagagatt gttagttttg cctctggcat gcaggaagac tagggctatg ccagtggctt 360

tccagagcat catcttcatg caacacttgg aagcaaaaag caaagcattg cctacctcac 420

tctcaattct ttcccctgtc tctatgccct gtctgtgagc ttta 464

<210> 8163
<211> 539
<212> DNA
<213> Mus musculus

<400> 8163
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cattttagtt gtattcaaga tttgaagatg tattttatag acaagttctg tttttgaact 120

ttgtggaact attccaatca atttaccagt tatgatgagt atttgcatta tgaatgtata 180

atccagacat tatttgtaaa gcctacagta tgttttttt acctaacact ttttatactg 240

tgtctcgtct cgacaatatg atattgaagt ctgagtcgtc agcttgatcc cttcaagttt 300

ctagttacag acaaaaatca tactgtgatt ttatttttaa tatggatatg ctataaaact 360

gtgacactta taattcactg gtcctgcatc aggagacggg agtggggaga agactgtatt 420

taatacagtg tgtatctgaa tactctgtat ggtttataca gtttgtgttg ttcagagatg 480

tctaaagttg atctttgttt ttttaagatt aaaaaagcac ttgccccact gtatatata 539

<210> 8164
<211> 516
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (428)..(428)
<223> n is a, c, g, or t

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<222> (441)..(441)
<223> n is a, c, g, or t

<220>
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<222> (486)..(486)
<223> n is a, c, g, or t

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tggatgaagg gttattatta taatgaaaat tttcaaatgt gactcctcac agctcatgcc 120

ttgcccatgt tccgtgagcc ccgccagcga agtacgagga aacagctgga gaaggacaga 180

ctgnaccccn tgaagtccca caaaccagag cctcctgtag cnggcccagg tcgtggtggc 240

cgagttggaa cccacggggg caccctgtcc tcctacattg tgaagaacat cgctttggac 300

aagaccgacg acancantcc ccgggaagcc attttgcncc atnccaaagc agcagaagat 360

aacccatatt gggtttcncc agcatattcc aaaactcanc caaaaaccat gtttgcccaa 420

gtggantntg atgatgaaga ntcaaagaat gaaccagaat ggaaaaaacg taaaatttga 480

agaatntcgt tgaagagcta tttgcatgga gcaaca 516

<210> 8165
<211> 433
<212> DNA
<213> Mus musculus

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<222> (238)..(238)
<223> n is a, c, g, or t

<220>
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<222> (254)..(254)
<223> n is a, c, g, or t

<220>
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<222> (256)..(256)
<223> n is a, c, g, or t

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<222> (367)..(367)
<223> n is a, c, g, or t

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<222> (370)..(370)
<223> n is a, c, g, or t

<220>
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<222> (372)..(372)
<223> n is a, c, g, or t

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gcagcctgat aaataaggta acgtcatatg aagaaattat caaatgtgct gaccaaagac 120

ttgagatatc acattctcag attgcacaga attctgcaca gtgcctgctt ctaatagtta 180

ctcctctttc cctgagagct atctttaagc ctttgatgaa ggctgcctct ttagtcgnaa 240

gtcctcgaga ggangncttg gaagagagga atagacattt agaagattta attagaatgc 300

ccagagagaa agccaaaagg ccaagaccaa gattagataa tcacccaaag tccttgacct 360

tgataantcn tnttgagggc caccataaag aatgttctat ttccttgtga actgacagta 420

atacatgatt aaa 433

<210> 8166
<211> 289
<212> DNA
<213> Mus musculus

<400> 8166
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caaagaagac cactacagca gactcattga ggagaatgac aagtaccgga gacacgtagg 120

cagcctgata aataaggtaa cgtcatatga agaaattatc aaatgtgctg accaaagact 180

tgagatatca cattctcaga ttgcacagaa ttctgcacag tgcctgcttc taatagttac 240

tcctctttcc ctgagagcta tctttaagcc tttgatgaag gctgcctct 289

<210> 8167
<211> 542
<212> DNA
<213> Mus musculus

<220>
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<222> (336)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
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<222> (361)..(361)
<223> n is a, c, g, or t

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<222> (386)..(386)
<223> n is a, c, g, or t

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<222> (388)..(388)
<223> n is a, c, g, or t

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<222> (395)..(395)
<223> n is a, c, g, or t

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<222> (402)..(402)
<223> n is a, c, g, or t

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<222> (407)..(407)
<223> n is a, c, g, or t

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<222> (418)..(418)
<223> n is a, c, g, or t

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<222> (450)..(450)
<223> n is a, c, g, or t

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<222> (452)..(452)
<223> n is a, c, g, or t

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<222> (506)..(506)
<223> n is a, c, g, or t

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taaattggca tggaccctga aatctctgaa caagatgagg aaaagaagaa atatacttcc 120

gtctgtgttg gcagagaaga ggacattaga aaatcagaaa gaatgacagc tgttgtccat 180

gacagagaag tggtcatttt ctaccacaaa ggggaatatc atgctatgga cattcgctgt 240

taccattctg gagggccctt acacttggga gaaattgagg atttcaatgg acaatcatgt 300

atagtttgcc cctggcataa atataaaatc actttnncna acaggagaag gattatacca 360

ntctataaat cctaaagacc catcancnaa acccnagtgg tnttccnaag gagtaaanca 420

aaggattcac accgtgaagg tggataacgn cnatatttat gtgacacttt ctaaggaacc 480

atttaaatgt gactctgact attatnccac tggagaattc aaagtgattc agagttcctc 540

ct 542

<210> 8168
<211> 482
<212> DNA
<213> Mus musculus

<400> 8168
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agacaaagaa aagacatgaa agaagtcctt gaagatatac caagaacatt catcagtatc 120

attcattcgt gtttggattt ttatgatcac ccgatttctt catcatgcat tctgcgtttg 180

ctaaatgaca gttactacat caatctgcag ctatcaaaaa tgagggaaaa ggttcaggct 240

gttaacaatc ccatgcagta tttaaataca cttacttggc agagtctata cctgcccctg 300

tttccttgct gtatttcagg caaggtttaa agagggcaat ttgtgctgct gttagtgcaa 360

ctgctgtgta tgttgagcca ctgttgtcat gccagtcagg tgcaaaggca gcttagctac 420

tgaggtattg aatgttctga ggacattcta gacaacagct tagatccttt ttcaggctca 480

tt 482

<210> 8169
<211> 540
<212> DNA
<213> Mus musculus

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<220>
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<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

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<222> (369)..(369)
<223> n is a, c, g, or t

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<222> (388)..(388)
<223> n is a, c, g, or t

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<222> (421)..(421)
<223> n is a, c, g, or t

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<222> (455)..(455)
<223> n is a, c, g, or t

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<222> (462)..(462)
<223> n is a, c, g, or t

<400> 8169
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cccatccaaa gtgtgctcat tagaggggct ctaactgttg ggcagcagct taanccccag 120

tgttcttcca ggtgctctgc ctaacagctc aaggggaaag tgaacactca gtttacccaa 180

acccacttct tttcaagcta gctggagaag tctctccatt tattttgact ccacaggcct 240

ctggtaggct gagataccag atagttatgg ttgtggtatc atctgttccc caaacaggag 300

aggcctgccg gagccaatgt gaccagcacg atagttnctg ctagacacca ctcctntcaa 360

gancctttnt ccttttttt ttttttnncc ccacgtttgt gtattttccc tgtgacactg 420

ncaatggggt acttttcat ccagagaaaa acttntcagt gntcccaaga atgaatttcc 480

aggggattgc gggaggggaa agagcagggg ctgtggcagc gagttttcgt gttgcacttt 540

<210> 8170
<211> 367
<212> DNA
<213> Mus musculus

<400> 8170
agcacttgat gttttatctt tttggttggg ctggggcttg aacctggagc ttccttcctt 60

tatgcatgct aggcaaagcc tctaccacta aaccttattc ccagcccctc acctctttcc 120

aaatatagaa aagctgaaga tttttgttca gcaaggatga gcatatatac tgtctgcaca 180

gaaagcaatg ttcagacatg aagtgaaaac acagtatttg aaggtggtca aagacaccct 240

aacacaaggg cgagacaaaa gggacaggtt tgattccacc tgcataataa tatataaagt 300

gtggtgtgaa ttcacaaagg taagagcaaa ttgatgcttg ccagaccatg agtacacaga 360

agctgtt 367

<210> 8171
<211> 458
<212> DNA
<213> Mus musculus

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<222> (358)..(358)
<223> n is a, c, g, or t

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<222> (367)..(367)
<223> n is a, c, g, or t

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<222> (379)..(379)
<223> n is a, c, g, or t

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<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<220>
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<222> (421)..(421)
<223> n is a, c, g, or t

<400> 8171
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gtccatcacg aggtagccaa ttccggaggc tcttccctgc tcccacagtt ttactttgta 120

gttagctctg tgaaaacaac ctggcaagat tttatatgcc actgttccag aaagcagaca 180

agtcaaggtg gcttgtccgt atcttaaccc cctccagtca ggaggctgag ttccctcccc 240

catgccagtg gcccaaggag aatgagacag ggttagaagt cagagtggtc tgtgctgtcc 300

ggaaaggcag tggctgcact aactgatgtg gagctgggaa gctttgggga ccgggcancc 360

atactancag tgggtgaanc aagagacant nccctggtgc aacacaggaa atgctggaat 420

nccttttgcg tattgttata gctgttgcaa cctgggtc 458

<210> 8172
<211> 549
<212> DNA
<213> Mus musculus

<220>
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<222> (122)..(122)
<223> n is a, c, g, or t

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<222> (372)..(372)
<223> n is a, c, g, or t

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<222> (389)..(389)
<223> n is a, c, g, or t

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<222> (399)..(399)
<223> n is a, c, g, or t

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<222> (425)..(425)
<223> n is a, c, g, or t

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<222> (438)..(438)
<223> n is a, c, g, or t

<400> 8172
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aggggctggt gctggtcact gatgctgtcc ctgccctggg cttgggcaat ggccgccata 120

cnctgggaca gcaggaggtg gaggtagatg ggctaatagc gtacattgca ggcaccaaga 180

cactgggtgg cagcatagcc cccatggatg tgtgcgtccg gcatttcctg caggctacag 240

gctgtagtgt ggagtcggcc ctggaagctg cctccctcca ccctgcccag atgctggggc 300

tggagaagac caaggggagc ctggactttg gtgctgatgc agactttgtg gtgctcgacg 360

acactctcca tntccaggcc acttacatnt ctggtgaant ggtgtggcag gcagaggaag 420

ctggnccgtg actgaggntc ttggctggaa aggacacttg gagaggccag gcagtccacg 480

gagctggtct ccagggagca agctgagagc cctgccctat gtctaaaaca gaacctcagt 540

catcactcc 549

<210> 8173
<211> 444
<212> DNA
<213> Mus musculus

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<222> (55)..(55)
<223> n is a, c, g, or t

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<222> (275)..(275)
<223> n is a, c, g, or t

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<222> (280)..(280)
<223> n is a, c, g, or t

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<222> (283)..(283)
<223> n is a, c, g, or t

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<222> (289)..(289)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (397)..(397)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctgcccaata tgtactgaat gcggtgttta ttaacatttg gaatgacttg ccgaaatcat 120

gtggtttttc tcatgcctct atgttaattc tcacgcatca gattaaaagg ggctggtggt 180

tttctgtctt caagatgcat gctttcattg gacagcgtcc ccggggaagc cacaccgtag 240

cttacagaaa cactggccct tggatttgtt ccccnttgtn ccnagcacnc acnccttncc 300

tttcattcct ttttnctctc agagcttacc ttcagnacaa cttaaatcan tgtggttaga 360

agagaagcga gctccngaag ngccanctgt ancccctntca catctncaat ggcatcagta 420

tggaaacgtg atccctgata gctt 444

<210> 8174
<211> 309
<212> DNA

<213> Mus musculus

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<222> (73)..(73)
<223> n is a, c, g, or t

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<222> (107)..(107)
<223> n is a, c, g, or t

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<222> (120)..(120)
<223> n is a, c, g, or t

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<222> (123)..(124)
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<222> (133)..(133)
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<222> (151)..(151)
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<223> n is a, c, g, or t

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<222> (209)..(209)
<223> n is a, c, g, or t

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<222> (211)..(211)
<223> n is a, c, g, or t

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ctggcaagga aanccagaca gactattcag ggagtggtgt gccaggncct ttttctcacn 120

ttnnggatca atnccctgtg ctggaccctt ntcacctcct tatttccatn tntggtcact 180

tgaagcaacc agtgtataga aactcagant nttcagattc cagaaataac caggacacac 240

tgaaggacag agatggagag gccacctacc tgctctgcag cggctactct aagaatgtca 300

ctattaaac 309

<210> 8175
<211> 506
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(296)
<223> n is a, c, g, or t

<220>
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<222> (298)..(298)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (396)..(396)
<223> n is a, c, g, or t

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<222> (403)..(403)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (441)..(441)
<223> n is a, c, g, or t

<220>
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<222> (481)..(481)
<223> n is a, c, g, or t

<400> 8175
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tgtgactttt taaagccttc aatttttaa aaattgtttt tatatttggg ttttggtttt 120

ttttttnttt ttttttgctt gttttaagat tatttttaaa aaaccagagg tagaagtaga 180

cggctttaaa accgtgagga tttaccactt gttttaacag tgaactcctg gtttgcagtg 240

ttcagaaaca tgtatgtgag gcagaaactt gggtagggaa ggtgcagatc cattnncntg 300

taacatgttc agtgttncag tgacctgaaa ngccaggcag agctggagcn tctgggtaaa 360

tgagtntcta aggagggaag agtgagcatg nccgantctg ggntcacctg tgaggccact 420

ntctggcagc ttcctgggca ntccccacaa aaatgctggg aaggagtgag tgggtgttgc 480

ntcgcctggt tttctacaag tactgt 506

<210> 8176
<211> 297
<212> DNA
<213> Mus musculus

<400> 8176
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taagatgaag gttttgagtg accttagtcc tggtagcctg atgtcagact ccctgtcaaa 120

aagctggctt tactaggcag ccagtgctga aagctgtgtg gaggtagggc agtgaggaga 180

tggaggataa ataataacct gagtgctttg tcaccatgga aactggagtt cctgaggcca 240

cagcccatgc tgaagagctt ttgagcatgc ccctgacatg cttggtccag aggctat 297

<210> 8177
<211> 427
<212> DNA
<213> Mus musculus

<220>
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<222> (380)..(380)
<223> n is a, c, g, or t

<220>
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<222> (383)..(383)
<223> n is a, c, g, or t

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ttgccaacat catcagcagt acaggccggc cacgaagacg aaatgcctgg aacccttcag 120

gggaagggac ctccccagga gagacttatc gccgaaccct ggactcagaa gaggagcagc 180

cgcgccaagc acctccagac tggtcccata tgcgtgatat catcagcagt gacggtgaca 240

gcagctgaac tcccgtgtcc atggtggacc ttaccctgtt atacaagagc ctggtcagtg 300

gaagcaactt ccaaagacag actacagtgg caggatccaa gttattggca cactactcaa 360

tttcatgttc tctaagatgn ccnttggggt tcatgtgcaa gcatcctctc caggcatttg 420

agtggac 427

<210> 8178
<211> 459
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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tatgaagggt ttcctgatgt atttaataag atgtgtagaa gctcttcaag cattaaacta 120

aagttgacgt tttatttcat tgacttttca ctgtcaaaga atatcaacca cttacaatgg 180

aattgaagtc tgttacctaa tggtatttgg gccttttaat ttctgaagct tctagattgt 240

ttgtattgtg aggtacaaaa aaaantgctg cagatctagg aatgtatgtt cttagcaagt 300

gtttgaatga tgtaagcatt atttaccatt gaagagtacg acccctatgt tcttaagtaa 360

atgcttagta acccatatac atttttgcag gtacaaaagt atataaacat tgtataatgt 420

gacagttgta taatttatgt actctgatgc atgagtcag 459

<210> 8179
<211> 338
<212> DNA
<213> Mus musculus

<220>
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<222> (99)..(99)
<223> n is a, c, g, or t

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gtgaggcaag atatggtgtc caaggcaggg gacccttnc agccatgcca tttctgcaac 120

cttcattcag taccacaact ctgctgaggg gtcctcatgt ttgaagtcca gcccagactc 180

tcctgagaac acacctcctc ctacaccaac agctccctct tctggatcac agcattcagg 240

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gcagcggaag aggaaaaaga gcactgcggc ctgtggtg 338

<210> 8180
<211> 524
<212> DNA
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (462)..(462)
<223> n is a, c, g, or t

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<222> (481)..(481)
<223> n is a, c, g, or t

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tgaggaggag gcagaagagg aagaggagga gatagaagag gagatgagca aggacgagga 120

ggacatagac aaggatgcaa agatgacctg gtcagggatt aaggtcacag agacctccca 180

gcactctctg cagtggcaat ggcagcagga tctgaagacc ataataaagg aggagacaga 240

aagtgacgag aaggaggcca ttgggaggct accagctttt gccaacctgc aggaagcaat 300

actggagaac atgattcaga acatcctggt agaggcaagc cgtggagagg tagtgctcac 360

ttcgagnccc cgcatcattn ccctaccacc antcagcatg cacaggacag acaacntntt 420

gcagatntca caaggggacg tgntntgntc tgggatgcag cntcctgact gtttgctggt 480

ntcagcatcc agcccctcta acatgactac ctaaattgcc cctg 524

<210> 8181
<211> 380
<212> DNA
<213> Mus musculus

<220>
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<222> (225)..(225)
<223> n is a, c, g, or t

<220>
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<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<400> 8181
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ctttctgcct tgcctgtttt attttcagga agcagggttg ggaatgaacc ctggcgctga 120

gacagccatc ctgaagctag aacaagccgg aagaacaaat aaaccccagt ttcttgtatc 180

ctggctgatg tatttagtga atggcctagg gggctgaaca acctncatta aagcttgctg 240

cagatacatg agacagantc aactgagctt ggggcagctc tccaagacgg atnctgtgcc 300

caatttaaaa agacaaantc aaataggatg aggtttgggt ttgaactttt gttttttttt 360

tcagatgacc tcagtatgta 380

<210> 8182
<211> 530
<212> DNA
<213> Mus musculus

<400> 8182
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ttctcagtgc agggcacaaa atctccagga tcctgtgcca aaagattccc caaaatcatg 120

gttttttgat aaccggtcaa agtctcttcc agcacctcac ccgatccgct attttgacaa 180

ctccagtcta gggctgtgcc cagaaccaga tgacgtagag aatgtggagc ctaagacaga 240

cctctgccaa gcctccttgg aaaaagatgt gtcccagtgc aagacgcagt agatgcccct 300

gtcccgtcag agcagagcgc ccttggatgg atgcccccgt cagccgagcg ctcttggatg 360

cctttcctcg tgtgtccaca ctgacaaaga tgatgcaatc caacttagtt tcagtctaat 420

ttccacttta gaagatggag gaacaagaaa cggattgatt gcagtgactt agaacgctgg 480

tggcagttct ttctgcttgc atctgtgaca ttccacacgc tgaactgtta 530

<210> 8183
<211> 512
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
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<222> (417)..(417)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (426)..(426)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<400> 8183
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gtcggaaaaa aaagtccttc tgaactgctc tgtatttgca tggatatctg ggcacagttt 120

cttgcaacca tgtggttaaa ggtgacaact gaagtattcg cgtatgattt aaagtctagt 180

caactggaca ggatttataa atccaacttt caattgaaga ggccagcagg cagactgcaa 240

ttttgtgatt aaaactgaga actcattagt aaacntgctg ttgcttttat actaaaatca 300

tgttgattca atncgcatac aaacgtatct tgcaaataaa gggtaacttt tcgattaaag 360

gagtaacaga ttggaattta tgtttgtttt gtgggcctat gcatgttcaa atgcatncct 420

gtttgncctt gacactctgt nccttaagca tttttgctac tgtgctatcc atagagaatt 480

aaaatgtcag gaggtgctct agaatttctt gt 512

<210> 8184
<211> 240
<212> DNA
<213> Mus musculus

<400> 8184
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tatctctcat atgatatctg ttgcgtagtg tgactttgtg gcatgacttg gttgtcagat 120

catttgcaca agaacaaacg aataaacaac aacaaagccc accatcatta ccaccggcac 180

ttaatgctag tctttctgct agggatactg acagtctatt tgcttcccat ggtcataggg 240

<210> 8185
<211> 504
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

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<222> (151)..(151)
<223> n is a, c, g, or t

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<222> (279)..(279)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

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<222> (337)..(337)
<223> n is a, c, g, or t

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<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (433)..(433)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (435)..(435)
<223> n is a, c, g, or t

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gcaagctttt cggttatggc ttaagaaaaa gcatgaggag cagatgaaag aaaggaanac 120

agaagaactc agaaancaag aggagtgttt nttcttcctg aggggaacag agggccgcga 180

gagagccttt cgacaatggc tcagaaggaa acagatcgag aagatagccg agcagcaggc 240

tgtcaaagag agagccaggc agctccggct cgaagcccnc cgctccaaac agntacagag 300

cagcctgtac agcatacccg aagccaaggc tttccgnttc accgaccact acaactgaag 360

ccacccggga aagantacat gtgaagccgc tggcaccagg atgttgtgtg ttgttcccca 420

ggggccccat gtntnggcgt cactacagat tgtgggagta ggatttgcct tttggtgatg 480

ctggatttat gttgttttcg caca 504

<210> 8186
<211> 404
<212> DNA
<213> Mus musculus

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<222> (234)..(234)
<223> n is a, c, g, or t

<220>
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<222> (236)..(236)
<223> n is a, c, g, or t

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<222> (242)..(242)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

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<222> (377)..(377)
<223> n is a, c, g, or t

<220>
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<222> (379)..(379)
<223> n is a, c, g, or t

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cgactgaata gtaatttcct taagacagaa ttctatttag tttctgtcaa cttgacaaaa 120

actagagtca cttgtggaga ggaaacctca actgagaaat tgcctttctc caccggtctc 180

caggcatttc tgagggagca tttacttcct taatgattga ggcgggaggg tttntnccac 240

tnccatcctt antcaggtag tctcaggctg tgtaacatgg caagctcagc aagatatgga 300

aagcaagcca gtaagtcaca tttccccatg cgttctgttt agtccttgcc caaaagtttc 360

tgccttcact tcctgtntnt gcatcctct atgacctaca ataa 404

<210> 8187
<211> 416
<212> DNA
<213> Mus musculus

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<222> (94)..(94)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (121)..(121)
<223> n is a, c, g, or t

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<222> (241)..(241)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

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<222> (299)..(299)
<223> n is a, c, g, or t

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<222> (307)..(307)
<223> n is a, c, g, or t

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<222> (311)..(311)
<223> n is a, c, g, or t

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<222> (322)..(322)
<223> n is a, c, g, or t

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<222> (342)..(342)
<223> n is a, c, g, or t

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<222> (355)..(356)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

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cttctgtgac agctgttcat ccaagacccg gccngtgcct gagcggggct ggggncctgc 120

ncctgtccgc gtgtgtgaca gctgctacga tgccaggaat gtccagttag atgtgactga 180

ggcgcaggca gatgatgaag gtggaacgct gattgcccgg aaggtgggcg aggccgtgca 240

naacaccttg ggagccgtgg tgacagctat tnacatacca ctaggcctgg taaaagatnc 300

cgccagnccg ncctactggg tncctgacca tgagatcctg cnactgccac aactnnccgc 360

aaggagttca gcntcaagct ctccaaacac cactgccgag cttgcggaca gggctt 416

<210> 8188
<211> 364

<212> DNA
<213> Mus musculus

<400> 8188
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agcagaccca ggagcactgg tacacatcct acatagatct gctgcagcgc ttctgcctct 120

ggaatgtgtc caatgaggtg gtgaagctga gcaccagcag ggcagttagc tgcctcaacc 180

aagcctccac cacgctgcat gtcaactgta gtcactgcaa gcggcccatg agcagccgcg 240

gctgggtctg tgacaggtgc caccgctgtg ccagcatgtg tgctgtctgc catcatgtgg 300

ttaaaggcct gttcgtgtgg tgtcagggtt gcagtcatgg tggccatctt cagcacatca 360

tgaa 364

<210> 8189
<211> 479
<212> DNA
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<222> (362)..(362)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaaccggcag acaagatgag cgataaacca gacttgtcag aagttgaaac gtttgacaaa 120

tcaaagttga agaaaactaa tactgaagta aaaaatactc ttccgtcgaa tgaaaacaag 180

atgagcgata aaccagactt gtcagaagtt gaaacatttg acaaagcaaa gttgaagaaa 240

actaatactg aagtaaaaaa tactcttccg tcgaaggaaa ctatccanca agagaaagaa 300

cacaatgaaa gaacataaaa tgagactctc ctttcaagag caacaacaac attgcctaac 360

antcatggct ctaggcttgt ttctgtaacc ctatgcaata tatagacatg ttaggcagct 420

cctggtagat ccatttacta ccctggctnc aaaggtcagc atttgctatg aatcattaa 479

<210> 8190
<211> 215
<212> DNA
<213> Mus musculus

<400> 8190
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gatttccttt gttgagactt acccttcatt gaagagaaaa agaagacagt caaaaaaggt 120

ccaggttaca aagttctcct cataggtgga aaggtttact gcagtgttat cctctaagtg 180

tgataaactg tgctttaccg ctccgaacac tcagg 215

<210> 8191
<211> 473
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (369)..(369)
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<222> (413)..(413)
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<223> n is a, c, g, or t

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<222> (437)..(437)
<223> n is a, c, g, or t

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<222> (446)..(446)
<223> n is a, c, g, or t

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cctcctgagg gtggcgcttc tgctccccgc cccgaggacc agtgctggcc gcgcttcctg 120

cctcagtcca ttgtcagtgc cgcctccctg ggctgaggat gacggctcct cttttagtta 180

tttattttaa aaatatcttt gaactgtgtc ttgaaaaatc gccnatgaag ttggtgccac 240

tttatttatt tactcnactg actngatgtt gttgtgttgg catatttagt atgttgnatc 300

tgtnccctta ctcttgttga catttgagag gnnnaaaata acccttttcna aacagttatt 360

tttttgacna aactctttgt ggagttttta ccaaatagat cattttagta gtnaaacttc 420

actatgtntc cttcccnaga catgtntccc ctcccctcaga aatatgacct aag 473

<210> 8192
<211> 466
<212> DNA
<213> Mus musculus

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<222> (199)..(199)
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<223> n is a, c, g, or t

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<222> (322)..(322)
<223> n is a, c, g, or t

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<222> (330)..(330)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (391)..(391)
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<223> n is a, c, g, or t

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tagcaccaat tcttaatggg aataaatctt gcaacagatg gatgtgttag agcttgagac 120

cccaaaatgt atttgtgatc tacccctgcc gctaagagct tttggtttac agactttcat 180

aacattctga tcttttatna cttactctcc cttttctctt acttgatgaa cacttatttg 240

agcttatgtt ttttgataag agnatctgtc ctgttttaca caccaatatt attttggttt 300

ttatgaagtt nctgaacaaa tnccttagcn atttaaaaan cctaccatag nctntagtac 360

taacactaac aagaaggatg gaaacttcct natagagaca tgtttgagta gtnctttact 420

tttgctgagt ataaacacct ttcaagtgtt ctcacggtta gggttt 466

<210> 8193
<211> 401
<212> DNA
<213> Mus musculus

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<222> (59)..(59)
<223> n is a, c, g, or t

<220>
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<222> (340)..(340)
<223> n is a, c, g, or t

<220>
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<222> (366)..(366)
<223> n is a, c, g, or t

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gccatgcatc tcaacattca gtggggccct ggaaccaacc caacacaaag ggacaactaa 120

ttattactct tgttaatcac acaaaatgtt ttgtgcccat ctccccctcc cccgctccca 180

ccccggtgtt catgggtctg agtggactct gtctgcatga atttcatggg acagctgctg 240

gcgtatggga ccaagaggaa gaggaataag aatgccctcc caccggtgct tgtgaagggg 300

agaccggact ccccacctct gtccatgctg gctggaacan ccgctgcact aggggatttt 360

tttttncttt tggagcttca gttctatcta cagcaagggc t 401

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<223> n is a, c, g, or t

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<222> (155)..(155)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (203)..(203)
<223> n is a, c, g, or t

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gccgccgctc caacctgcac cggcacgaga agatccacac cactggaccc aaggctctgg 120

ccatgctcat gctgggggcg gcanctgcgg ggncnctcac ggcaccacca cctgcttcca 180

nttagaancc tgagagagan cantgagaac acccagggaa gctgggac 228

<210> 8195
<211> 423
<212> DNA
<213> Mus musculus

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ttaggaacaa gagataggtt tcaatggcat cagcttcagt aagggaccac aatctggttt 120

tccattttat ccacaagaat agacttttgg gctgctggag tttaagtaga agtttctact 180

atatttttta tcttattatc ttattttctg tatatgaatg tttaacctgc atatatgtct 240

gtgtaccacg tgtgtggctg gtacccatgg agaccagaaa atgatattag atgccctaga 300

ctcagaattg caaatagttg tgagctgcca tgtgggtggt agaaactgaa cctagggact 360

ctagaggagc agccagtgag tgctcttacc tccatctctc caacccctcc attatatttt 420

tgt 423

<210> 8196
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taaattcctg aggatgggag gccagactgc atcacgttac gccataaaga tactggctat 120

ctgcacgaac agctgtcatg cagctcggga agaagtagtg agacttgata aaaagtttga 180

ccttttnatg ctgctgcttg cctctgagga tgaaattctg gcgggcaatg ctgccctctg 240

ccttggcaac tgcatggaag ntgcccagtg cagccccttc cttgctgaag acggacatcg 300

tgagggtgct cttgaagctg gcagncagcg actcaaagga gacaggcgta cagctgaatg 360

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<212> DNA

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (498)..(498)
<223> n is a, c, g, or t

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<222> (519)..(519)
<223> n is a, c, g, or t

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<222> (539)..(539)
<223> n is a, c, g, or t

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tgtccagcct cctcggtctt gctccagctc tgctctgact gagcaggtgg tggacactct 120

tgaccagcat atgggacaaa ggcctcctgt ccctgagcct tcccaacagg actccacatc 180

cacggacccc aaaggtttgg cccaactttg atctcatcct cactaagcta cagacctgga 240

tctgggaggg cagagacagc ttctgctgcn nnnnnncnct anngnanntn tnnnnnnttn 300

nnnanncnnn tccanntgac tggganacan anacctgtnc aagaagatag gcntcttnct 360

ntgggccagg cntacattnt tcctctccct naggcttntg gggagaagtg gntccctncc 420

atttcctttc ccaacagaan tcctcatagg atcccctntc ctttccctnc ccacctttg 480

tantctcaca cagcactntg ggaccccaaa ttagagctnt cttccggttg tattttaanc 540

ccccctttag aagtcacaca gcgtgctgag tccaa 575

<210> 8198
<211> 517
<212> DNA
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<223> n is a, c, g, or t

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<222> (372)..(372)
<223> n is a, c, g, or t

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<222> (378)..(378)
<223> n is a, c, g, or t

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gcagagactg cacagtaaaa cagtcacttt tgccaacaag aatgtgtggc gccccacatc 120

tccctacctt gcactctagg gccagaccac tctctgtatg gaccagacca tcttcccaaa 180

cccatggtgc tttccccccg accccactca acctacattc tgaggagggg agggatggat 240

cagaggccat agtggccccc tggataatcc tgacatgggg tagagtcggg tgaggcagag 300

ggagcagcac ccaacacctg cactgggcca caagcgggaa agaacacggg ttggttngca 360

gttgagttgt tngtctgncc gtctgtattt ggatctttaa ctgtactttg cctggcgctg 420

tgcgcaaggt ctgaaacctt attgctagta cctagaaaca cacaaggcta tccagccaaa 480

tcttaatgta aagtagctag agccatggaa gtccagt 517

<210> 8199
<211> 45
<212> DNA
<213> Mus musculus

<400> 8199
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<210> 8200
<211> 556
<212> DNA
<213> Mus musculus

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<222> (333)..(333)
<223> n is a, c, g, or t

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gaagcgggag gagcgctctt tatacacagc acacaaggat acttgtatct atatgacagt 120

gcccacccta cactggaaaa tgtgtctggc tttggcacta aaatcatgta gttctaccag 180

acagcaataa taactgagca gagagctaat gagctagtgt tcaaacagct caatggtgag 240

ggtgggcagc tgtatataga tatgcatgta tgtgtatgta tatataattt tataactttc 300

ccacataaat taatacatgc catgtataca canatgtgga atatatttgt atatattcat 360

gtacaggcaa taagcatccc taaggtttgt gtctggtcct acacccagac atcaacttaa 420

aaccatcaga cctcaattgt acaataacaa gggttttgtt taaaataatt aaaaactcca 480

cagcacttag atacgacgtt tgtcacactt gagtagcctt gacaaccatc ctgtaatcct 540

gaacctagca ttccac 556

<210> 8201
<211> 493
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (207)..(208)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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actgtatact gactttagtg aaactgattt ctttttttagt tgtttacagt gcagatactt 120

gtgggttttt tttttaattg cagtatttcc attgtcgcag taatttagta aaactctgtg 180

gctgccttga ttttgacaga ttttntnnat atnaactgnt tgtnaggcaa tnagtnatat 240

ttatgcataa atcaattgca cnataattca tgaattattt attacaatat tttctaatga 300

attcatgtat ctntcttgtg ttgtacatgt actgtaattt tgttcctact ttgtgttgtn 360

atatatctaa atctgattgt atgaatttta attgttcagt taacgtgttt ctaggttgta 420

atttgtagta aagcacttca atgcttttgc acttaaattt acaacacngt cggtgtgtgg 480

ttaatttact cat 493

<210> 8202
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tggatttggg cctgnccatn gaccatgggt atggtatctc ctacatcttc atgggggaaa 120

acgcaatcac cttccatatc tccagcaaga aatcaagcac agaaacagac tctcaccggc 180

tggggcagca catcgaaaat gccctgttgg atgtagcctc cctgttccgg gttggacagc 240

atttcaagcg ccagttcagg ggggagaatt cggattatag atacaacttt ctctcctgta 300

agactgtgga ccccaatacc cctacatcct ccaccaactt gtgagcccct cagcagggag 360

ctggtctccc tcaggatgga aggtgttgct cccagggctt 400

<210> 8203
<211> 488
<212> DNA
<213> Mus musculus

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<222> (28)..(28)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (42)..(42)
<223> n is a, c, g, or t

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<222> (227)..(241)
<223> n is a, c, g, or t

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<222> (272)..(272)
<223> n is a, c, g, or t

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<222> (290)..(290)
<223> n is a, c, g, or t

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<222> (292)..(292)
<223> n is a, c, g, or t

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<222> (302)..(302)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgtggcctta tttaatttaa ttcagaaggg ggagatgtca gagaccatcc cgtgagaaag 120

tgagcccttc acaatctccc tagcaggcca aatggccttg tactgagagc tggttgtcac 180

ccccctttcc tccctattcc tttcctggca cctgaggctg taaaagnnnn nnnnnnnnnn 240

nctcttccct atctcttcct gagttcccat gncatccaag gacatgagtn angcctgagc 300

cnagcctgac ccccaaggct ntcaaggagg atcnatgttc cagagataag atccagagtg 360

cccnctgcct ggcgcctgac ttcnnccccc atgtcagcag atgcccactt ctttgttctt 420

tgtataattc tccctcgacc cctcccatat tccccgcgat gtatgcttta aaaagaaggc 480

acctcagc 488

<210> 8204
<211> 488
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (290)..(290)
<223> n is a, c, g, or t

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<222> (292)..(292)
<223> n is a, c, g, or t

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<222> (302)..(302)
<223> n is a, c, g, or t

<220>
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<222> (321)..(321)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
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<222> (364)..(364)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(385)
<223> n is a, c, g, or t

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tgtggcctta tttaatttaa ttcagaaggg ggagatgtca gagaccatcc cgtgagaaag 120

tgagcccttc acaatctccc tagcaggcca aatggccttg tactgagagc tggttgtcac 180

ccccctttcc tccctattcc tttcctggca cctgaggctg taaaagnnnn nnnnnnnnnn 240

nctcttccct atctcttcct gagttcccat gncatccaag gacatgagtn angcctgagc 300

cnagcctgac ccccaaggct ntcaaggagg atcnatgttc cagagataag atccagagtg 360

cccnctgcct ggcgcctgac ttcnnccccc atgtcagcag atgcccactt ctttgttctt 420

tgtataattc tccctcgacc cctcccatat tccccgcgat gtatgcttta aaaagaaggc 480

acctcagc 488

<210> 8205
<211> 425
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (314)..(314)
<223> n is a, c, g, or t

<220>
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<222> (355)..(355)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

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aacaaatcgg gagaccttta ggttggtagc gccaccatct gctacagaaa cgggccttct 120

aagtgaactc tgcagactgg aatgccaaag ctgaggcgtc aaggntcaga caggaagatg 180

agcagagacc cctgccctgc ctctgagaac gacgctaaca aacagtttca gcagatctga 240

gagaggatgg tattcggatc tcttttcttg ctctggtcct cgggagatat tcttggtgtc 300

cattgtctta acanttcctg aaggtgagaa agctcatcct gaagggcaga gactntgaga 360

gctgagganc ccatctgggg aggggcaaag cgcacagagg aagactgtta cagggcttgc 420

ttcct 425

<210> 8206
<211> 400
<212> DNA
<213> Mus musculus

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<222> (179)..(179)
<223> n is a, c, g, or t

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<222> (182)..(182)
<223> n is a, c, g, or t

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<222> (235)..(235)
<223> n is a, c, g, or t

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<222> (249)..(249)
<223> n is a, c, g, or t

<220>
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<222> (280)..(280)
<223> n is a, c, g, or t

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<222> (341)..(341)
<223> n is a, c, g, or t

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accactttag ttacaaagtc taaggagaaa gtaatggaga aggaggccaa gcagtctgac 120

aaggagtcgc agcctgccga aagcctgttg ttcgcgacat ccaagcactc aaggccgtng 180

tnttcgtctg aagacaaacc tgagacaaag caaaggtcaa gcaagaagag aagtntcatc 240

ccgcagatna tcatcacccg ggcctccaac gagacgctan tcagctacgg catccccgac 300

aacgatgaac agagaaccat tcgggagcat gccgactggg ntccttacca ccgacacagg 360

agccccagca caatagcagc ctatgatgta cacaacacag 400

<210> 8207
<211> 496
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (456)..(456)
<223> n is a, c, g, or t

<400> 8207
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aatattaatc tgttattttc ctggctcggg gcccagtggg gcggtgccat ggtgccgaac 120

tcagtacatt ctgatactac caagaaacac aagcgctttt aagcagcaac acccagcagc 180

tgtacagatg ttttaattcg gagccagctg acatgcagat aggattgctt ctctgatgag 240

aatccatcat ctctgtagcc tctagggccc cctccccacc cctggcttct ccaatcccag 300

atgagccgca cacctcccag gagagccatc aaaccaactc tgcggaggaa gccaggncct 360

ctgctctaac aggagtccag cttctcctgg gggtggggcg gggggggga gcgcaggtag 420

atttttctgg agcacccaag actgaccttg atgtgntcct ccaaatactt ggtcggtgtt 480

tataagcata tgctcc 496

<210> 8208
<211> 327
<212> DNA
<213> Mus musculus

<220>
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<222> (96)..(96)
<223> n is a, c, g, or t

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gtgaactgcg tagaattggg tctataattg aatccngtgt gagtaattct gctctttaag 120

ttaaatcaag ttgcacagag acactttcca gctgctacac tgtgccgtcc tgttgggaat 180

tctagtggtg ctggggaaca gccagggccc agcagggtgg tgtgcacttg tctggtaggg 240

aagtcctcta gcacaggaga caggactcct gcttgttccc acttcagttt gagaagctga 300

ttacaaatct tttcctactc agttcaa 327

<210> 8209
<211> 461
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<400> 8209
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aagaagaacg cctgagggcc tccatcagga gggagtctca gcagcgccgg atgcgagaga 120

aacagcacca gcgggggctg agcgccagct acctggagcc tgatcgctac gacgaggagg 180

aggaaggcga ggagtccgtc agcctggctg ccattaaaaa ccgctacaaa gggggcatcc 240

gcgaggaacg agccagaatc tactcctcgg acagtgatga gggctccgaa gaagacaaag 300

ctcaaaggtt actcaaagca aagaagctca acagtgatga ggaaggtgaa tcttctggaa 360

agaggaaanc ggaagacgat gacaaagcga ataaaaagca taagaagtat ntgatcagtg 420

atgaagaaga agaagaagat gactgagcta caaactgtga a 461

<210> 8210
<211> 498

<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcatctctct gaggagctgg atgcatggag agcttgcaca caatcgacca aacaatcatc 120

agaagattct ccatatacac ccccttctga ctcacaaaga acagtttatg aaactttatt 180

aaagagactg aaagaagagc cactcaaagg aattactgga ctagattacg tgactggatc 240

aaatcttcca agccattcag acattcacat ctcttgtctt actggactaa aaatccaggn 300

tcctgtgtat ttcctagaag atggaaaatc aactatttct ttgaangacg ctctgatgtg 360

ggcaaaggtg aatccattct caccttagg aactggaata cgactcaatc catttngact 420

gaatttttt ctncacactt cctagttttg taaaaaggaa atttggggta tttataacct 480

tcattttggt ggtctaag 498

<210> 8211
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agcaaaagag tgggatgcag atcaactcct gggagctgtt gacatcttca gtgacacact 120

gttcagttcc agcttcctga aagacactca ttcacagtca tggacttccc agtgagacat 180

tgtgagttta ctacttagtn ntnnctgaca ttttccttga gagaagacgg tctgtcccca 240

acagcagaat tttagattac tgttaaaagt ttttaatcta caggattgag acaganacat 300

gaaggcttgt taaagagaan cacattcaat tctgttagga gggatnattn tttctgattn 360

tcttgacagg gcatcaagtt cgtactgtgt tctctcacag atgacagcct gga 413

<210> 8212
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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atggttttca cctacaaagt gtgtccaagc tgctgctggt tatcagctgt gttctggtgc 120

tgctggttgt ccttaacatg atgctcttct acaagctgtg gatgctggaa tacaccaccc 180

agaccctcac tgcctggcag ggtctcaggc tccaggaaag gttaccccag tctcagacag 240

aatgggccca gctattagaa tcccaacaga agtaccacga caccgagctc cagaagtgga 300

gggaaatcat caaatcctca gtgttgctcc tggaccagat gaaggactcg cttatcaatc 360

ttcagaatgg tatcagntcc cgagactaca cagctgagag cgacgagaag aggaaccgct 420

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tgctaccctg cacccttgaa actagaaaac ctggttggag tctgcaaacc gcgatgcagg 120

atgtgggcac cgagaaaaag caagagatcc cagtcaggac ttcgttggcc caaaccacgg 180

tctgcatgtc agcaaagact tggttataat ctctgcatac ctaagattgc ttagttgagc 240

catcttttgg cagcccttcg acgaccttca ctaaatcctg gtttcttagg agcgccctca 300

tttaacacca aggcccttta gttgcctata caaagggagg gcttacagtt aatgaccttt 360

gtgcccacac agtagtacaa gntcagctaa cttaatgtgc ccagtgaatn tcgatcgggt 420

tattgggaac ttcctga 437

<210> 8214
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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caggagctca ggcgcctgca ggatgaagcc cggaaggaag agggtcagcg gctgacgagg 120

cgtgtgcagg agctggagag ggacaagaac ctgatgctgc agcgcctgtt agcagtgctt 180

ccctcgggag tgaataagaa gtgcagcccc cggtctgtgg agtcctcatc ctctgagtct 240

ccggcagctg cttcgtgcaa ggaatctgtg aaaggctccc tgaccgtcct gcttgataac 300

ctgcaaggcc tgagcgaggc catttccaga gatgaagata tttgtgtgga agataaccag 360

aacaccaaga aaaccaagaa ccctccttca gatccactgc tgagctagag ctgccagggg 420

gaagaatgaa gccagcctga agctggaccc ccaggagggt tgggtcggag gaaatggggt 480

gggggccagc ctagccctgc cccccagcaa nccttggaac cccagcttct accaaattca 540

aactct 546

<210> 8215
<211> 334
<212> DNA
<213> Mus musculus

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<222> (164)..(164)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgggtcagt gaaaacaaaa aaccaaggac ttactatgta gcacaagatg gcttcaaatg 120

tgtgatcccc atgctgagtt ctgggactac aagtgtgtac catnacaccc ganctaactt 180

tgggagggca gctttaatgt agaagataga ctatctccat gaaatcggtc ttagggtgcc 240

acactccgaa tccctttctg ttagaggcgg agtcccaggt ttactctccc cctccacaag 300

aattgcctgt tttcatcgtt gtcggtgcca caga 334

<210> 8216
<211> 296
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (70)..(70)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (97)..(97)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcctatgatn tggtgntcat gcntacgaac cccacantag cagantccat gcnccggnta   120

gaagacncct tcntnaactg caaagaggag atggagaaga actggcaaga gctgctcact 180

gagaccaagc gcaagcagtg agctaccatn tntcagcagc ctgtgggccg aagccaggga 240

catggntcca gaagcccaga cgtgtagcca tgtgcatggt acttgttttt caataa 296

<210> 8217
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (242)..(243)
<223> n is a, c, g, or t

<400> 8217
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tctgtgagtg agacttcttt gattgtagct ctgtgctgtc ggaatggaac agtagttccc 120

gccaattcct ccaccaccac ggcctcagag gcctgggccg tggccagaga cgagtttgca 180

tcatccacgt ggctctgtca cctctgcatc tcgacctgtc ctgtcatctg tccccgccag 240

gnngtcagtc atccctcagc tcccatgtgc cctgtgtccc acccaaggcg ggctgggcgg 300

gcaggcctcc tttgtcctct ttcacaatct actgtttctg agtgtacacg ttgcgctgtt 360

tgtgtttgac cccctgactt gtagccagct tgtgtaagac cccttgcaga atgagaacgt 420

taaaaacaag aaacccaccc agtactcaca ccatcaagtc tgttctagag cgtacaaccg 480

tattaacacg gaggcctgcc tggctacttt tttaacata 519

<210> 8218
<211> 571
<212> DNA
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<222> (395)..(395)
<223> n is a, c, g, or t

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<222> (415)..(415)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gcaggatgat ggggatgaga gtgcagatga ggacagctgc tccgagcaca gctccagcac 120

ctcaacttcc accaaccaga aggagggcaa gtactgtgac tgctgctact gtgagttctt 180

tggacatggc gggcctccag ctgcaccaac aagtagaaat tatgcagaaa tgagggaaaa 240

acttcgttta cgcctgacta agaggaagga agaacaaccc aagaaaatgg agcagatctc 300

agaacgggag ggtgtggttg accatcggag agtggaggat ttgttacagt ttataaacag 360

ctctgaggcc aagccagtta gtagtagtcg ngcanccaaa cgagcaaggc acaancagag 420

gaagctggaa gagaaggcac ncctagaagc tgaggccagg gcacgggagc atctgcatca 480

tcaggaggan caaaagcagc gggaagaaga ggaggacgaa gaagaggagg acgaggaaca 540

gcatttcaag gaggaatttc agcggcttca g 571

<210> 8219
<211> 314
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (218)..(218)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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ttctcggggg agcttgacgg cataaatcag aagcaagcac agtttgtcag gtnctgaagc 120

ccctatgatg gtaggtgtca aatcagttgt agctaatctg tccagggaga gtaccagctt 180

cattacactt gtatagtcga gttcctccag catnaccnct gtttaataga acgtgattag 240

tcatcaccgg gaagaaggca tattagccga ggagntagtt acacggcacg ctccggtgat 300

tgccacgata tgat 314

<210> 8220
<211> 429
<212> DNA
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<223> n is a, c, g, or t

<400> 8220
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cgtgnatctt taagaccttg aaaatgattt ttactgaagt gttgggcaag agatgacagt 120

ggtccctcag ctttcacagt ctttgcagtt gacacaggct ccagctgaca gtgtgacaga 180

agtgtgtcct gccttctcca gcagaggctg ctgctgtccg tggacaacac tggtctgtgg 240

catccttggt ggagtggctg ggtgagagct cntctttctc ccttccatta ggcacaatgg 300

tagttctgtg ataaagctta actcgtttct acagaggata tttttgttaa agtctgggtg 360

atatatcttt tctgaagagt attagatttt ccaacaattc tatttaaagt ctactgtcat 420

ctgttaatt 429

<210> 8221
<211> 495
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcacatctgt aatcccagtt cccagtgggg agaggcaggg tcggtagatc cttcctggga 120

ggagcaggaa gagtgatgga gaacaacttc cctctcccat gtctgctcat aagcgcatcc 180

accacattcc tgtgcacaca cagtaagttc ttatagaaga tggaaaatgc aaaagtacag 240

aatgttaagc tatggtggca ctgctttacc tgagtgtctg aatccaagct aaggtaccag 300

aagccccagc tntctntcac ctgtgtgcgc acgggtaaca gaactgttac attgagctta 360

tgagaagaat acagataagt gagaaacagc acttggtgta actagtgagt cggcaaaatt 420

aaagccggta atgtttttgt gaaatttcaa ttttggaacc tgaaagaaat gttgcattgt 480

tctgtttagc ccata 495

<210> 8222
<211> 397
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

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tgtacggcac tcaagcagcg tgttcagtga cccactaaca tgcttccctt cacccaccat 120

tagtggactg tatggaactg agtagggacc acacttccta agtctacatg tacagccatc 180

caccaacatc tcagttccta ccatgtaagt ttggcgtgca atcaaacact tacaaagcag 240

gtgaggagat ttagattcca cactctactt cagctnacat ggctacatat gacctagtac 300

acttgaagtc agacagacat ttcagttgct tacctccaat actgancctt gctttggaaa 360

actaagagat tnagaccaag tcactgccag tttttgc 397

<210> 8223
<211> 531
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cacctgtgag acntgcggca agtctttcaa gaggaagaac catctggagg tgcaccggcg 120

cacgcacact ggggagacgc ccntgcagtg cgagatatgc gggtaccagt gtcggcagng 180

tgnttcgntc aattggcaca tgaagaagca cacagccgag gtgcagtaca acttcacgtg 240

cgatcgctgc gggaagcgct tcgagaagct ggacagtgtc aagttccaca cgctcaaaag 300

ccacccggac cacaaaccta ccngacgtgc ccatncccat ggacctcagc ctcnattnat 360

ttgtantntt ggacattatg tccagacgat caganccccna gatanccanc cacaggggct 420

nccccaaccn caggccggaa ggaggcattc ccactnttcc ctgggcaggt nccccaccct 480

gccccatcac atcccaccca tggagctggc acatgggatt gcactgctga a 531

<210> 8224
<211> 474
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (347)..(347)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaagggnttc tgtcatgtcc ttagtgattt aggaagtagc catgcttgct tggtccaatt 120

acttgtgtgt tggatccaag atgtatttta aacaaatatt ggcatagata gtaaggagtt 180

tctgttgtca gtcaaatgag gatataaaac atagaaaaaa aaatcttatg ctacacttga 240

gcctcatata aagatagcct gtgttttgtt gttgttgttg ttggttttgt ttttaattac 300

tatttntgca tttaaattan acactgtttt cctttgtatt attaacnatg tatgtcagaa 360

ctggagtttt ntcccctccc ccatctgaac ataatataaa atctgaaaag tattgtgaca 420

agcactttaa catatcagac aaactgacat gggttttcag gttttggagt acat 474

<210> 8225
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (125)..(125)
<223> n is a, c, g, or t

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<222> (192)..(192)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ncttctacct gatagatgtg aagccaaagc ctattgaact tccaccgaat atagagactc 120

caaanccaaa ccttggaata cngacacctc cacccccga gtcaaaggag aacctcacag 180

actctgcacc tnagctgaag ggaacgaagg atgaagaatt tatacaactg cccccagtac 240

cgtcatcact catagcacca gcagcaacta tttccaaaga agcaatcctc caggccaagt 300

cccaggagac ctcacagaac agcaaggctg attccaaagg agcctaagga tcccttgaag 360

gtggcgctcc ctntcttcag tcantccgct cagcagtggc gtccacaaag gaattccanc 420

taagactntc tggcttgaga taaaggatca gccattaant cgttggagnc cttgtgacca 480

tcccagagat ncaagcagtg acaccaagtt caggccattt ag 522

<210> 8226
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cactgaaggg cattctgaat tgaagcttgg agaactgcac taaacccact aaacagatgc 120

aaaaacctga ccaggcccaa cacccaccct gcctggctcc tctcctcatc cagactaact 180

ctactgtgaa gtcccaccac attccaggtt ggaattttag attcagggtg gattttccct 240

gccgtggaag aacacagnca tntccctagc tttctcacgc taaccctgaa gtatgatcac 300

ttctgaacct gntcctttct taactgccag gattggaagc aagagcatca agcccatagg 360

atgactgcgc aatcctgttc agtattgtga agtagccctt aatcctaact tt 412

<210> 8227
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<212> DNA
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aaaattatag caatctgtca ttttacctta aatggacaag cctgggcatc acaagtactt 120

ccaggcttcc ctgggatata ccaagacatg gagttcaatt ttgcttttct gtggttgtga 180

gtatagatgc tggaattggg gtttgacggt gtgatggctg ctgacaagaa gccagaactc 240

ccattcctga gggacttgag actgaggacc acgtttcatc tcccttcatg ccgtgttctg 300

tctcctctgt ccaagttgac taaggatgtt cttggttgtt tggtttcagt tggtgctctg 360

aagctgaatc tca 373

<210> 8228
<211> 327
<212> DNA
<213> Mus musculus

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gattgacgat tcgcagagca ttatcttcat caacctagac agccatcgca atgtgatgat 120

gaggttaaat ctccagctga ccatgggaac cttctccctt tcactctttg gtctgatggg 180

agttgctttt ggcatgaatt tggaatcttc ccttgaagag gaccatcgcg tgttttggct 240

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tggaagacag ctggaagctc ctgtgcc 327

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acctttttcct catccttttt aaggattgag ctcagctaag ttaagatgtg attttttttt 120

naaatatttt tttttaaagc aagttccctt tgggaaagag aagagtggta agaagcaacc 180

ttgtatatgg ggtttcttca ggtgaacggg tgcagagtga tctatttttt aactacttag 240

caataactac atgtgggttt gagtgcacct gagaaggggt ggaggagccc agatgtttgg 300

ctagactgtt tgaaacnaat accaaaaacc tctatagagc actatcctct gctgctgtgt 360

ttctgtagaa agcaacctat tttactaatt ttttaaagaa agacaggacc ctgacagaga 420

acatttaaaa gttactgact cctgccccta cctaagtggg tttctccttc ctgtcacttc 480

tggagagtga acttaacacc ctggcttctt ttgttaagcc gtggctgacc ttaatctgtg 540

gtta 544

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<212> DNA
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<223> n is a, c, g, or t

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gtatgcagaa aaaatgaaaa actgttatgt cagttactgt gaaatatttt tagttatttc 120

cttatcgtgt gcttgttcct aaaaacattg gttgtatgtt attttcaagc tgttctgcct 180

ctaagacgtt gaagaaaaag ctgtggtgtt tgggcnnacc ttnnttgtga tgnccttctt 240

atcctcctaa taatattgcc aagtagggta gattccacac gattgctctt aacccttggt 300

attagcaaat catataggtg ctaataacga atattggata cagtcaatac aggaatataa 360

aatggaatgt aaaancctgt tgctatgaat ggttanccat ctacatgttg tacaaggaat 420

gttgatgtta tgaagtgtgg aaacttggta ttgaagatgt gaactcaaag ctttgtggat 480

<210> 8231
<211> 449
<212> DNA
<213> Mus musculus

<400> 8231
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tgctcggatc attttacagc agatagaaga acatatgaac actggccagc tagcagggtt 120

ttcacatcag attggaagtc tggttctgaa tcatgttgta aataagaagg aatttgggat 180

tttggcaaag acaaagtatt ttcagttgtt gaaatgccac gtgataaaca ccggcaacgt 240

cactgaattg gtaaactatt tggcaaatga cttcagtgta gatgaagcat cagcgttgat 300

aaatgagtat tcaaagcatt gtgggaagcc tgtgccagca gatgcagctc cctgtgagat 360

cctgcagaca tttcttggtg gatcatagta aaacaaacaa gttttcaaaa caagaggaag 420

tctggagtct gccgctaatt aatcttatt 449

<210> 8232
<211> 529

<212> DNA
<213> Mus musculus

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ctgttagttt gagtttcacc tctgtctgct ccctccctga ttagggtcca cttgagtaca 120

caaaccctga ttttaccttc cctccatcta aggcagtgtg tgatgactgt gtgggaatga 180

aatctcttgt acatacttag cacagcactt ggggtatgaa cccacacccc tgttctgtaa 240

cattagcgct tactgtaaaa catcgggaga agtatagtat tgtatttgta acaatatcat 300

tctttgtata cacgaaactc aatgatctct atatataaat ataaatatat ataaataaaa 360

tatatctaca cgtgagcctg gaatgttgat actgcacacc cactgaatgt atttcctctg 420

acagtctggt caccggtcct ggcccaccct ccccttcttt gtgccgtggc ggcagttgtc 480

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgaaccccaa cggctgttct gagttgactg tatcccaata ctccgatctt attctacaag 120

tcatatcttg gaccctcacc cagtatcctg aggaactagg cctccattag cacaanctgt 180

cggtgaagcc atgttcccgt cgtgccacag gctctgtggg cggtgcagga aagcatcggt 240

gcctagcagc actcctgcct ccaaaccttn cnnnntnnnn nnnaagcacg tgtgctttat 300

ttatagctct gtagactcct agcccccntnc tantcnntnn nntnagagga anatnnatnt 360

ntgtaganan acacaagaca tgctggagga antaagggcc nagntcaggt gtttaanaaa 420

ntntggggct gggganttcc tgttnccaca gaactggggt gcnccctcac cactaagctt 480

cccaagtgtg ctgtncctta gagatgccaa ctgggcacaa gaaagcgaac acagttccta 540

atggcatat 549

<210> 8234
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<212> DNA
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<223> n is a, c, g, or t

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<222> (98)..(98)
<223> n is a, c, g, or t

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tgagaagcca tggtggggcg gcgggccggg gacgnngncc acaatgtgca ataacgtggt 120

gtcgcggggc cggacttggg cacggacctg ggtggcatgg gggggtgtcg ttttctagcc 180

agctacctcg gtaactccaa ttcattcagg ttaacttccc catggggcag ccggccgcgg 240

gcttgggctc tgtcgccctg ctcttgtgtg gcccgcggcg tgtgaggctc cccggctgcc 300

tccttacctt cgggagcctc gctcttccaa cgccccgctg ccaggcagac cctggggcat 360

cctgctgccc tccccacccg actctgtcag gaagcaatac ccggtccagt ctggagctgg 420

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ggcactcttt tctaatatt 499

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggaaccgatt ctcgtgccat gnatcatagt gaatctggtg gtggctctcc tggttggatt 120

atcctggctc tttntgtctt acagaccagg catgnatctt agtgaagagt taatgttctt 180

ttntgatgtg gacgagcacc ctgagacagg aaccaaagcc tntccatagc cgctccttcc 240

ctgcagtggc ncntgcgctc cccactngtg tttttaagtg tatttttata agatacatgt 300

atttacaatt gagcttttgt tacataatgc tgaaatgcta ctggagatta tgaaaaatgt 360

ttcaatttta tctggtcctt ataccaaact aacatcttta ttattatcac cttagtgata 420

caggagataa t 431

<210> 8236
<211> 264
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (237)..(237)
<223> n is a, c, g, or t

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tgtccctgta gattagttcc agagtggggt gtctgtaaat actgtactaa taggcatgtg 120

tgactcttgt aaagggacat tagtanctgc tgcaggtcct gtttggaaac tgtgtgtata 180

attcccggtt ttttgtaagt gtcagcgcgg gagacatttg actcttgtgt ttgtatntcc 240

tttttatgat tgctgtaccg accc 264

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<212> DNA
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<223> n is a, c, g, or t

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<222> (109)..(109)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttagtagtgg acatacatat atatagtctt tagacntaac aagccagang attcttcctt 120

atnggataan taaactgcnt taggagntat gggaccagag gaagtgcata tatttttacc 180

ctatgggttg atcattctag cctcaggaac cctgtagaat taactcctgt cataggggct 240

agctcagtga aactggtagt ataataaaac agtgagggag tttctagagt cttaataggt 300

tctagcatga ggactatccc ttaatattgg tntctctcat aanaaggcac ataacctccg 360

ggagtaatct cattgaattt atattacttg gcctagattt aatcttattt tcatgtatta 420

gtttgctaag gtggtcctac actctgcatt tcttt 455

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<212> DNA
<213> Mus musculus

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<222> (308)..(308)
<223> n is a, c, g, or t

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<222> (311)..(311)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgtccttcta tctgggccgc ccctagccca gtccaactag caactctgtc cagagctcag 120

tggatggaac tgattccagc ctggcaccag cagggaccat cttgggtcag gtgcttctgg 180

nntagtgctt ctggctcaag cctcctcggc ccaacttccc ctcagcgggc tctgcaggag 240

ctgcaggtga tgctctcagc atctgtctcc ttgtttaaac aaaatgccct cattttctt 300

gtcttganaa nctgcgggct gcctctaccc ccncagccca cagggtctca ccgatttatt 360

gttcgtttct ttgctgtgga ataaacctcg agcagccagt tggcttttta ccctttagat 420

atttttagt catcggctga ccacacacag ataaagtccg ttttgttact tcttccactc 480

tgtgtgcctt gagaaccgct catgtggtac aaccaattct ggtgacaatc ctgtg 535

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<211> 516
<212> DNA
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tctgtattct ctcgagccca tccccctctc cctgccgtag agtcgggagt acccnttttt 120

ttttttttct ctcaagacag ggtttctctg tatcaccctg gctgtcctgg aactcactct 180

aaagtaccct cttaattaac catgcttaga gaggaataaa aggacaagac cagagtttca 240

nctaccttgg attctgcncc gactcaggat cacagtcagt ttgtgtgagg tcaccagttt 300

ataccnaaca ggtttcaagg gnccacggac agaactntct tgntcagaat cagctgantc 360

ttgcagacat gattntactc cagaccnttt tgtctctaga agagaaactt gcnaacattc 420

tnccttcctt ttcttttctt tgggaaagta aatgctgtgt tagaagtttg gaccagaatt 480

ctcggacttc accatctatg gatgcttcgc ttttga 516

<210> 8240
<211> 539
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (313)..(313)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (513)..(513)
<223> n is a, c, g, or t

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acttcagaat ccttaagagc aaaagctgtt tcttagttca agtcatgtct tcatatgtgg 120

agtggcttgc aaagatcaca gaatatgccg acttcagact gggtttcagc ccgttagtga 180

gttgtgaggt ccagtcagtg gatggccact gagattacag aacagcgaag tggaataaaa 240

gtagatcaga atgcatcctg tagtaaaggc aaatactntt ctgtgaacct tctcagcgga 300

gcgtctgaga ncntgctacc acatcaaatg tatttgttaa ggggtacaaa catacaggtt 360

gaagaaacga tccgagctga gagaaccaaa tgtgncctac ataggtgatc ttgtggtttt 420

gctttgaact tcagattaca acattgtttc tattncctga acacaaatgt aattnccctg 480

cagatacaaa aaggatntct ttttctgtca gtntctgagt aggcagtttg tgtaacccc 539

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<223> n is a, c, g, or t

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ggcatgggca gcgtggttct ccaggtgctg ggcttcctgg tggacaccgc cacaggcaat 120

aagcttgtcc aggtattgct ggaggacaaa accactgaga gcgctgtgaa gctcagcctt 180

cccgtgggac aagaggccct cataacccta agcaatggac agaggtttgt gatccacatn 240

tcagatgtgc cccaaagntc agaaaanann tattncagga aaancaacgc gaacgtgcaa 300

ggtggtttgc tggagtaggg tgtgaggaag caggcttgag ttntccaaac atgtgtggaa 360

ccctaaagtt 370

<210> 8242
<211> 439
<212> DNA
<213> Mus musculus

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gaaacactag agaagtcaga cgaaagtaac ttggctgaaa tgaatgagtt tgaggcggga 120

tccacggcac ccttatttat tgaccagaca gaagaacccg agtcaaacac agtagatggt 180

acagaactgt atgaagacag ccagctcagc aaccgctcta aagccattgc ctcgaaaacc 240

aaagagattg agcaggttta ccgacaagac tgcgagactt tcgggatggt ggtgaaaatg 300

ctgattgaaa aagatccctc attagaaaag tctgtccagt ttgcactgag gcagaactta 360

cacgagatag gtgagcgctg cgtggaagag ctcaagcgtt tcattactga gtatgacaac 420

tctgctcagg actttggag 439

<210> 8243
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<212> DNA
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<223> n is a, c, g, or t

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<222> (254)..(254)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (396)..(396)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttgaggtcca gtgggttatt acatcgtttc ccaagatgtc ccatgtgatg ctttattatt 120

ttcataaatg tatgtgaggc tcacatatta accactgttc aaaaatacca gtaaggcaga 180

attatgcaga acttttgtga ggtttaatgc acacgtnaag catatcgctt acattnttac 240

atatnttaac cagntccttt taanacagac atttacatna tnncacaant tatagcaaca 300

tcaagggctt ttntccccgc ttnncaatga attgttttct tctgtaagga tgttgcggac 360

cagcaggtat cagacttgcc aacatggtcg gtagantntt cccagcatac acctgagcac 420

tgaaagag 428

<210> 8244
<211> 458
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (201)..(201)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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tggnctttgg ctttttgttg gggntgagag ccctagctcc cagctcccct cactatcttt 120

tgacactaag atggaaggtt actaagttgc aggaacagga tgaaaattct ttattaccct 180

cttcaacttt taggacgagc nacttgggag tgtgaggcct tcctggctgc ttctatgtag 240

tcctaccacc tgcacagagg ggctggcagg gcagaagtgt gacctcagtt atatatacat 300

cccagctctg cccagtatcc ctcacttacc aagaggagaa tggagggata atggactcac 360

cctagcctag ggcttcgaca ttgcatgctg ggatccagct cctacccttc ctgcactccc 420

ttccccagtt ntgctcagct cagctgtggg aggtaaac 458

<210> 8245
<211> 328
<212> DNA
<213> Mus musculus

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gaagtttgtt cccacacctt cagaacacct aggctaaaat gctgcttcta taattcctgg 120

acctaaccta agagaatttc tctgagggcc catttagtca tccagacttc tgtctactta 180

cgagtagctt tcgcagaagg gcactgtcat ataaagtagt ctgtcatgca ctttacaaat 240

tataagcttg tacagcctta tgacagttta ttctaagcat gaaaactggt tcatgagttt 300

attaaatgta gctctgtcag cctgtggc 328

<210> 8246
<211> 401
<212> DNA
<213> Mus musculus

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<222> (72)..(72)
<223> n is a, c, g, or t

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<222> (140)..(140)
<223> n is a, c, g, or t

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<222> (350)..(350)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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tctaatgaga ancactgggc cacctctgca tggtttttct tgccaatttc tcttgtagcc 120

ctctctccca gcagacaacn acattcagca cacccctcac ttgtgcactg ccatggccgt 180

ccgttccttg tgaccagcca gatgacttag ataatagggg agtttgaaat gaatgagctg 240

atactatctg taggttagga ttctgaccaa aaggtcttca gggctctagg ggaagggatt 300

aattgaaata ccttcccgag catagggctt ttctccagtg tgaattctcn gacgttgaat 360

gagtttcntg aatcttgaaa gccatcacgt ggtcactgtt g 401

<210> 8247
<211> 566
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (473)..(473)
<223> n is a, c, g, or t

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<222> (499)..(499)
<223> n is a, c, g, or t

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<222> (501)..(501)
<223> n is a, c, g, or t

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<222> (508)..(508)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8247

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gacggcttgg ccaaccagca ggaggagata cgtctgactg ttgataccac caagaccgcc 120

ccagcggaca gctgcagtga ccttgtccct cctcttgagc tctntatcag aaccaagtgg 180

aaggggggcat ctgtaaactg gaacggctca gaccccatcc tgtgaccctt ggatacatgg 240

agttctatgg cttcagcact catcactggg atgaccccgg gaccccaggt cttagggtca 300

agtctcttag aggagtcacc ctgcctgagt ttgcatgtcc acagaggcat gctcagtctt 360

ccagttcctt ccatgaaggn ccatggcagg gtcctgttga gattccctcc tggcctagat 420

gtncctgcca aagacaggaa ggagggaggc caccagagan tntactncct ttngtttgca 480

tccttcctga ataaccctnt ntccaagncc tctggtgtca ctggctttgg ggaccctgga 540

ntcttgttac tgcagcttcc ataaag 566

<210> 8248
<211> 482
<212> DNA
<213> Mus musculus

<400> 8248
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ggctcctcca tcctcattct cgaggaacga tccagcctgg ctcgccatgt gtcacgagat 120

ccttgctggc tgtggagtat gcctcactct ttcgaaatag gaagcagatg ccactccatg 180

tgtgggtctg ggaatgactt tctgaaacac agcaaggatg ctgagacacg ttgttttgag 240

acaggatctc actgcgtagc ccaggctggt cttggacttg cagccctccc ctgcctccag 300

tgttggggtt attgcccaac actggattta aaacgctcca atcctaagag ttagggtctt 360

gatatgcagc cttggctggc ctggactttg tataccaggc aatgctcctg cctttgtctc 420

cagaatgcct gggtggtgag aatatgctac cacacaccgc tgagacttca acttctccta 480

aa 482

<210> 8249
<211> 483
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (159)..(159)
<223> n is a, c, g, or t

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<222> (167)..(167)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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tttggtggaa ggtattagag gaagatttac aaaaactgct tctgtacaga ctccaggaat 120

cttctgtgat ccccctgagc agatagagag atnccagcna gggaccnaaa agctgagctg 180

ccccctccct ctgaggcaga gaaaaggctg gcagtcaggg atctcattgc acattttgag 240

ggggcaggga ccacacattg agcccaaagg gagggtgtct tgaatccact tttcaagggc 300

tcagttctga gggcacacag tacttgtctt ttaagttggt gaggaacttt ttgaacccta 360

aatggcacca tctttntcca ctttggaaaa ggctgcatgt caatccttcc aaccccatag 420

gaatgtagag agggatggga catgggggac gcatccctca gggcagagtc ctcattgctg 480

agt 483

<210> 8250
<211> 490
<212> DNA
<213> Mus musculus

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<222> (253)..(253)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8250
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aaaagaaaat gtgagattat caaaggtact atctctatct ttgtatgtgt aagacaccag 120

ctggttccaa ggttacatgc cataaatgga aaagtagtat ttgagagcat gcctacactg 180

ctgtaagcaa tcattaaatg tgataatctg aacataggaa aatagaattc tcacttctgg 240

atttcctttt ttnaacaaca agtggagact taggaataat agattaaatt tgggataata 300

tcttcaaatg aatatctgaa taagttaggt actaatttgg ggggattcca gttttttagc 360

ttttttcttt ttctnttttc ttttttttcc ttttttttgc ttggtggcta gtgtgggctg 420

tcagtgtact gcacagtgct aagatggtcc tagatattaa cacctgcatc ccgatagctc 480

aaaaggtgta 490

<210> 8251
<211> 555
<212> DNA
<213> Mus musculus

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<222> (49)..(49)
<223> n is a, c, g, or t

<220>
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<222> (326)..(326)
<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (423)..(423)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaaaataaat gtttttagc taattctgta tttgagtccc tttgttagtg ttttccattg 120

ttccttgagg agcctctgat ctgtttatac tctcctactg tagatacccc tctgtgcatt 180

gtttataaag actgttcata ctggccttcc tagctttgca aattgagttt gtttcctttg 240

tgcataatat tttggaattg tttattactt ccatgctatg taacttgtaa ttgtaatatg 300

gtaaagttag acaaatatca ttcttntnat gaagtaacac agttttcagt gttgactttt 360

cacattaagc agtacaaatt tgagnaagtg ttaagaattt ataanccctg ctttaagttt 420

ttntttggag ttagagacct gtgtaactaa cactttcagt aanccttttgt actatttgaa 480

attacagcac ctaaccactg gtcgggaact tcactggcag aaagcactgt gaactattcg 540

tgttgctgag ctaaa 555

<210> 8252
<211> 393
<212> DNA
<213> Mus musculus

<400> 8252
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tacttggtaa ctggcaattg tgggggaagg gcctccattg agatgtaagt gttccagtgg 120

agccatctga aggcgtgaca gtgtagagcc acacccccttg catgcacctg atctcagaac 180

caagccaggt caggcacctc agtccttaca gagagcggga ttatttaagt ggcacaactg 240

aaactaagac cacagtagag ctaggcaagg tggcatatgc cttttaatcc cggtacaaca 300

aaccaacgaa agagaacttg caggaaagca aactctttgt cagatgccta tgctgagttt 360

tgcccaccaa cccagccttg tatcttcttc aga 393

<210> 8253
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8253
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accggagcct ggactgtact gagagnccct tcacagnact cttggcacag ntcttagtct 120

tgccttcagg atgcactcaa ggtggcccag 150

<210> 8254
<211> 516
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8254
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atgcccacct ttggggtaga cccctcagat tctactacag tatgattttg gagccctctg 120

gtgtttaaga aaccagacag tccgtggaca cccaagcatg ggaaaagccc caagtcctcc 180

ctgcactcag gctggggtgc ctaagctaag tgggtcctga cagagaacag agccagctct 240

tggggaccct ggaggtttgc tagtgtgtga atgtgtaccc ccaaaagttc atgtcttgga 300

aacttggtcc ccggcacagc agccctgaga gaggagcgct ntnccagngc ctttntnaac 360

angtttaatc ctttcgagga ttaataagtt ntcttgagta tagntttgtt ataaagncaa 420

gttcccttgg gcatgcttgt tcantntgca tgtgatacct ccacgtntca tgacatagca 480

caaagccatc agacacagca aacaccaggc attagg 516

<210> 8255
<211> 495
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (129)..(129)
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<222> (142)..(142)
<223> n is a, c, g, or t

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<222> (367)..(367)
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<222> (377)..(377)
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<222> (386)..(386)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggggaanagg ggcaaaaaga agaagtaatg tcttcctcag cagctacccc gagcatcttt 120

gagatgatnt cggccccagc tngtcaggga gagnctcacc cctgctcacc tgggnaagcc 180

cacagagaag ctaagcggag agcagccact ccaaggcact gtaccctgac cactgtgttc 240

tgttatcctt caggaggctg cacaccaagc aagatgtccc ttacagccat aaccattact 300

tgccattatc ccttaactca tgcaaagtct gtcaatatca agttggcttc ccttgtgctc 360

cacactntac ccagctntca cacttnccag tattagttag caccaagatt acaacataaa 420

gggaggtctc tntcatggca agagcaccgt agttctattg ttggtacact cgctctttat 480

taacccatac gcatt 495

<210> 8256

<211> 315
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8256
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gatgctcctg cgacancaga tctgtaanga ggngcaggca gagcaggaac ctgcaangga 120

agntctttga gaccgagtcg gtaacacacc atgactacag agtggagctg gtacgagcag 180

cgcctcctgc ctcaacaaag cctcatgatt accgccagga gcagcctgaa accttctgga 240

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ggaagaactg cagct 315

<210> 8257
<211> 583
<212> DNA

<213> Mus musculus

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<222> (175)..(175)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (447)..(448)
<223> n is a, c, g, or t

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<222> (464)..(464)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cctctcagtg ctggtaaagg tcgtgcggca nctgtgcaaa caggccccta gcatatccgt 120

gctgctgctc agcccccagc ccactggcag tgtcctgtgt gcctgccagg tggcncagga 180

tgccacgccc accttcacng ctgaagcctg ggcactggct gtgtgcagcc acatgggagg 240

caaggcgtgg ggctccagag tngtagctca ggggactgga cacacnggct gacctggagg 300

ccgccctcgg gacagcccga gcttacgcac tcanccagnc tctgacgagg accacccagg 360

acacagagga acaagaggca ggcaagcatc tggagccctc atgaaaccac agagctttcc 420

tggaggnctg aggcagagga ccancanncc ggaggccagg tatntgancc aaagaagntc 480

acccggncca ccaggagact ntaagaaacn aaanccaact gagaggcanc aacctcaaca 540

gatntgaaga cccggnctgc tggagctggg agcagctaat aaa 583

<210> 8258
<211> 410
<212> DNA
<213> Mus musculus

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ggcgggaacg gttcagccaa gtctggagcg ccgccccagc catctgtatc ggccagaggt 120

ggccttccaa aggatgctgg cgatggagcc tcggagtctt gatcataccc tagccgggca 180

ccctgacttc tgtccctttc cagggccagt ggctggactg tgaccaactc ccttcactaa 240

aaggggccag tcttcacggg cagttgctgg tacttggccc tcagcctggg atggcaactc 300

tactagcagc tgggttcact cccacgtcgt cctggctgaa ggcagtactg tgctttgaaa 360

tggagccaac aaacatccag tcttgagtac tcggattcag gaagccagca 410

<210> 8259
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<212> DNA
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<223> n is a, c, g, or t

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cccgctcngn gnntcnaaca gtgttcttac aagggaacaa gaagtttcaa gtggctgtgg 120

agatgagagc aaggaannnn gcannnnngn nnnnnnannn nnaggacaca gagaggcgga 180

tctagtaccc tcagaactgt ttcagttcag cttgggagca gccatgaaag aaacaaaagc 240

ctaccagtta ctgaagaagt ctacccttca ggacaattca aatcaagctg aagagagatt 300

tgaaagtcag ttttcaggtc tggatattgg tggcagcatg ttcacaacaa agacagccca 360

caaaatcgcc tcggaagcta gtttttcatc tagtgaagga agtcctttgt caaggcacga 420

aagcaaaagg gacccagtga ccaccataaa gtcaaatgcc ttnntggggg gagtntgatg 480

acagtaactc tgaaatcgaa gctgccctac 510

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<211> 460
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<223> n is a, c, g, or t

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<222> (234)..(234)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atctgggact cagnnnncga ttcttggcca gcctaaggcg cataaattct gccagcaagg 120

ctgctggccg gcacaantgc acggaagagg tactgatcag caagacggaa ggccagcaga 180

cacaacgaca gtacaaggat tcaagcttgg cctcgtgant catntctggt gntntcttgc 240

tcagctgaac tgaaagcatc taagtggcct gcctttgtgt gcccctgcgc ctgtatagaa 300

gtctgtattt ttttgttatt gttgagattt attatttttt gttacacaat gaccgtttnt 360

cttaatcttg ttctaaaaat aactgcatgt tcaatctggc tgctcaggtc taattctaac 420

agtattctgt tgggactata aagggtctgt attcccagtc 460

<210> 8261
<211> 339
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (189)..(189)
<223> n is a, c, g, or t

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<222> (253)..(253)
<223> n is a, c, g, or t

<220>
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<222> (314)..(314)
<223> n is a, c, g, or t

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gcggcagaaa aggctgcaag tagtacagag ccgccgcctg caccgctctg tgctgctgag 120

ccggcnccct ggagcccgnc catcctctct cgatagtggc tcacaccaac cctattttgc 180

agccacacnc aattccaaaa cagacagaac ccacgacaga taaaagcact tgctctcaga 240

aatgaggaga ttntctattt tctcgatttt attattcctg catttatgca aaggcacata 300

atagaatgtt actntcctac ctgtagactg aaaataaaa 339

<210> 8262

<211> 493
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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nnnnntgaga agcctcagaa aaaaggcagc atctccacat ggagccttca ctctggcaag 120

tccgcctcca attccacgat gtccgctacg gcacctcaag tcactcctgg aagggaacca 180

aaggcccaaa gctgcagctg aggaggctgg gctgggttct ccaaacttaa ttctgagccc 240

naatgcctgc tgcagagcga ggcatcctgc ctgcattgaa acagagcctg aagaacaact 300

ttgctgagcg gcagaaaagg ctgcaagtag tacagagccg ccgcctgcac cgctctgtgc 360

tgctgagccg gcncccctgga gcccgnccat cctctctcga tagtggctca caccaaccct 420

attttgcagc cacacncaat tccaaaacag acagaaccca cgacagataa aagcacttgc 480

tctcagaaat gag 493

<210> 8263
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<212> DNA
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<222> (151)..(151)
<223> n is a, c, g, or t

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cgcagcttgg tgccacaaga gacaggaggc aaggatttcc agaaaaaaag gcaggccctg 120

ctcccagccc agccattggt gcagggcacc nttgaggcag ctggcagaca ctctcttgtt 180

ctccacccta gcttaattct gagcccaatg cct 213

<210> 8264
<211> 440
<212> DNA
<213> Mus musculus

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<222> (312)..(312)
<223> n is a, c, g, or t

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<222> (323)..(323)
<223> n is a, c, g, or t

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<222> (333)..(333)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (342)..(342)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cgcagcttgg tgccacaaga gacaggaggc aaggatttcc agaaaaaaag gcaggccctg 120

ctcccagccc agccattggt gcagggcacc nttgaggcag ctggcagaca ctctcttgtt 180

ctccacccta gcttaattct gagcccaatg cctgctgcag agcgaggcat cctgcctgca 240

ttgaaacaga gcctgaagaa caactttnng ctgagcggnc agnnaaaagg ctgcaagtag 300

tacagagccg cngcctgcac cgntctgtgc tgntgagccn gncgccctgg agcccggcna 360

tcntntntng atantngntc anaccnaccc tatttnncan ccacacgcaa ttccaaaaca 420

gacagaaccc acgacagata 440

<210> 8265
<211> 485
<212> DNA
<213> Mus musculus

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<222> (266)..(266)
<223> n is a, c, g, or t

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<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

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<222> (300)..(301)
<223> n is a, c, g, or t

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<222> (320)..(320)
<223> n is a, c, g, or t

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<222> (360)..(360)
<223> n is a, c, g, or t

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<222> (447)..(447)
<223> n is a, c, g, or t

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<222> (449)..(449)
<223> n is a, c, g, or t

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atccgggagg tcaccatcaa ctgcgcagag agagggctgc tgttgctgcg tgtccgggac 120

gagatccaca tgaccatcgc tgcctaccag actctgtatg agagcagcgt ggcatttggc 180

atgaggaagg cactgnaggc cgaacagggg aagtcagaca tggagaggaa aattacagaa 240

ttggagacag aaaagaggga cntggngagn caagtgaatg aacagaagnc gaaatgcgan 300

nccaccgaga agcgggagan tgagaggcga caggtggagg agaagaagca caacgaggan 360

atccagttcc tgaaacggac caaccagcaa ctgaaggccc aactggaagg cattatcgca 420

ccgaagaagt gatcatttcc acatggntnt cagcaggccc cttgccccat aagcccattg 480

taata 485

<210> 8266
<211> 128
<212> DNA
<213> Mus musculus

<400> 8266
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gacagtgggt cccctccagt tcaaaggcac ccaataaaac aaaaacaaga gccagtggtg 120

tatttaag 128

<210> 8267
<211> 249
<212> DNA
<213> Mus musculus

<400> 8267
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gaattgccat tgtcattttg gttggaagcc tccagagtgc aaagaagagg gactaagtgg 120

gagcatagac agtgggtccc ctccagttca aaggcaccca ataaaacaaa aacaagagcc 180

agtggtgtat ttaagaatac tctttggtcg tatttacttc ctctttgttg cactgctctt 240

tggcattgc 249

<210> 8268
<211> 515
<212> DNA
<213> Mus musculus

<400> 8268
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acaagaaaac ctggaggttt cagaaaacat gaatttgcaa tttgaaaacc aattgaataa 120

aacactcaga aacttatcta cagttatgga tgatatccac actgtcctca aaaaggataa 180

tgtaaagagt gaagacagag atgagaaatc caaggagaac ggctcaggtg tatgacacag 240

tgcacttggg gatgagtgtg ttaatagtgt actataaaca aaataatcat gagatgggaa 300

tgtttcacgg cagtgcatgc ttgactttag tagtataaac atatatgtta gttcaaatga 360

tgtataaagt tttatgaatg tgagtctgct tttgaaaatt gcctgtaatt tctagcattc 420

aaattattaa atactcactg agtgaagaat tttgcattgc aaaacctttt aggatgaact 480

ttgttatagt ttccccaata aagttcatca gtgtc 515

<210> 8269
<211> 543
<212> DNA
<213> Mus musculus

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gcacagttgg agcagttgtc ttaaacaact gcctaggttg acccccttcc cagaagagtg 120

agtatacttg caaggaagga gtggcctaaa ggagtgatgc atatgtcata gattcaaggt 180

tttcagtgta tgaagtcatc cagccctgcc tggacaagtt ccatgagaaa gtagattttc 240

agtaatttcc ttacagatgt tttagttgaa caggtagcac aatctactaa tgttgtttga 300

tctgtgtttg ttatattggt tgtaattaat tttttaattc aagaactagc agaaaattta 360

ttaaattaac tattaacgac attcaccttg taaatttctg tataaaactt gttgacnatg 420

cactgacttt aggaagacat taatgtacat agagtgtaaa taagatagtg ttgatgtact 480

gaaatatgaa ctgtataaaa gtattggtca ttgtatatgg cgtgtacctg tttatctgta 540

act 543

<210> 8270
<211> 391
<212> DNA
<213> Mus musculus

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<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

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agatctacct ctggctcagc gcttgccctg ccctaaaaaa acagaagtgc caagggnaga 120

ncatttcatg cagaaccagg gtgcacttta tgttcctgca caggcagatg atggtgcctc 180

ctggaggctt tgggatcttc ctgtccctat ggtggttctg aagggagagc tgttcccctg 240

ttgggtgaaa cccaggtccc ttgccctgga gacctggttt cccaggtcac cccacatacc 300

tgactgcagc ncctcctaaa ctttgggttc cttggtttgg ttataatgca gttctcatta 360

cacaagtgca tttctggcta tcacttgtaa c 391

<210> 8271
<211> 477
<212> DNA
<213> Mus musculus

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<222> (76)..(76)
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<220>
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<222> (175)..(178)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

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gtccccttc ggcccngaga ccgttggcac gaaggcgctt tcaccttcca tgcactttcc 120

atttccccag tggggtgagt cgccctgccc acactcgagc aaccgcagag ctggnnnngg 180

cgggncgggg cggggcgggg cggttgtttc atggttattt tgtctgggtt tggttaatag 240

cccaggctag ctagcgtcaa gctcgggga tgtctcctgc ctcagcctcc cgaggactga 300

ggttacagtg tgcgccatca tgcagtcttc tgcacttaat ccactcgttt ccaagacgta 360

tatagaattg ttggacttca ccctttcgtt ttctgcaaga atcgcttgtt taatattatc 420

tgttttgcct gtactgtgcc ttgtgcaact ccagttgggt ccaagttgca tcctttg 477

<210> 8272
<211> 519
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

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cctgagctcc gagcagttct gcgaaagttc ttcctgcgga taggcctggt gtataanata 120

tggattccag aagagccgtc gcaagtgcca gcagcactgt catcgacctg ngtagcactg 180

gctgcatggc cactgctgtg gttctgtaga acatccgcca tgccgtccca gctggcggag 240

ggggagctgc ccacctagct gggtttggac ctggagtgca gtggcgtgaa ccctggtcag 300

cacagtcccc agcggaggct catggtgtct cattaaacca tcacatacca gtaactcggt 360

gggcagggag tctgttcccc cgtccttgca ttccgctggc tgacctgtta gacctgtcct 420

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tcctgggagg caatgagcat tgccgtatag gttcctgtt 519

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<212> DNA
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<223> n is a, c, g, or t

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<222> (64)..(64)
<223> n is a, c, g, or t

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ancntttaaa acctgtttgc agccacaaat gtgattaaca gaagtttaca aagcaacact 120

gtaccttatg cattatctta aaatctgtgg acattcatct attgttcaag caatgatgac 180

aaccagtgag ataaaaagag agtagatagt tcagcatggc accattggct gttgttagac 240

tagtttcatt ggtgtatgct gtcctttgta atgtcaggac taaaatatct agcaagccac 300

ataaacggtg gcaagtgtgt atattgtttg gtttccattt gtttgttaaa cagccatttt 360

acttttccat ggtcatgagt tgaagggaaa ttaagataac gctccctccc caccaacact 420

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aaaaatagtt ccagctcatc tacgttgtaa t 511

<210> 8274
<211> 501
<212> DNA
<213> Mus musculus

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<222> (63)..(63)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (122)..(122)
<223> n is a, c, g, or t

<220>
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<222> (126)..(126)
<223> n is a, c, g, or t

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cntganctgt gtcatctgca cctctgatcc gcttcggaan gatggctcgc ttcctgttag 180

tagttgccca cgacagggtt tacaggccag aacctgggca gggtgacctg acagctgggg 240

taggaagagc aggccctaac ccagggtggc agtctctctg gaccttgctt tntcagtcag 300

ccntacggta aggacggaag cagcatgata cctgagcaga agtggagcaa aatcctgcag 360

tttggcttta gggccatgct ctaagagtgt gtgactctca tggtttcaat aancaaacgg 420

tacactgggc ctctcccctt tccagactag cctcatggac agccaggggg ggantcgtga 480

cggcactgac gtacctagat g   501

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agcggagact tgtccggact cctgtcagta ggcagctagc tagcatcctc cttctggcgt 180

ccctgnnttc actgtttcct ccttccctta ttgctgcttc ccgctgccag atcacaccca 240

tcagctccag ttcgcctggc tccacncacc ttgagctcag ggccggatca tgctcgcccg 300

ctcangggca tacccttgtt tttagancca acccatgagg ggagtttgga caactntcac 360

acatgatgtg ttctactgtc aagcaagtgc ccttttgtaa agggaagggc acaaatcagg 420

gaccggacat tcactcagtg agtattctcc agttgtaatt gctttgaacc aagcacctcg 480

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attcatagtt cactgacaga actgtagagt tgggaaagct gttgtaccaa acgtattgac 180

atggagaagc ctgctgagaa tggggaaggc ttgtgtcatt ttgcataagc attttccatt 240

ctgttttgag ggttattgga aaacagaaca gtgacagctt cttgtaagta gaaaactata 300

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annnnnncan nnnnngctac atagtgggct ggaggctagc ctgggctata gacttcatct 180

caaaacaaac aaaaagtcca ctaaacaaaa agtcaccttt agaactggga atatgcctct 240

gttgatagag aatccatcta tctgatatgc atggattcag tccccnccac ntnatccagg 300

actggtggaa ccgncttgan ttagnaacta caggaggagg cagaaggntc aaccttggcc 360

acctgatgaa acgaggagnc cnntctagac tacacgantc cctntncccc acctctgttt 420

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gaagacaatc acaattctta gttccctacc cagtatttga gcaagaaaag ctgtccgcag 180

cttggaagtg tacctccatc tggattagtt taactcacag gtactgtcta cttggtacca 240

tgcagaaact ttcatgcaga atgcaaagag ccacttngan tacacacnga cnaggtttgg 300

gggaccntcc tntctcttna aacttccnga cttagttnac agncctcagt ggttnttntc 360

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aacattagca tgttaatacc ccgtatgaat aatgcctgac attcaacaat tgtggaaata 120

tgttggtatn ttgctgaaca tacatacacc tccgaaatnc canttntnca ttctacacat 180

atgctttctg gcagcgagtt tattgccaga ttttaaacag ggagttatgt ggtgcttgtg 240

gcgctttcag aacccaaaga tttgtagtct ggaatcatgt agtctcatat gctgcact 298

<210> 8280
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ggaacaaaga actgatccag ctgaagctgg cctctgggaa cacgctgcag gttctcaaca 120

cctacaaaaa caagcttcat cgggcaatgg agatctacgt caatctggac aaggagatct 180

tgctgagaaa cgagctactt gggaaaatt 209

<210> 8281
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aagcagcctc ctactgttca caacaaccat cctcctttgc ctcagcatgg cgcagcctag 120

agcaactagg aaaggagtta cnccgaaaca ggggtactgt ccggagtttn ttcttgactg 180

cccntnttgt cctgttannc ccgntatncn anccngtgat aaagggtngc aagggcacca 240

aaaaatgctg cttntactac tntcagatgc ggtgtgtgga accctggaca accttgactt 300

gaaatgaaaa acctttntta accaantntt ggaaaataac gacggcattg gctccaactt 360

ggatggctga cctcgagttc ttctntntca tagacccctc ttattagtga atta 414

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gagtagntac cnaggccttt ttccagaagc ttccagagnt nanctgagct cacntctncc 120

ccacagggnc ntntggagcn cctgcacagg gncaagcttn tctntntctc tttgtccatc 180

tgtaaaacct tccca 195

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ggatagcaga gtttccagag agtgtaaagg cctggccctt tccagatgtg ctggagtgct 120

gtctcgtctt gcttcacatt gggtcccagt gtcctgacgc tgtggaccct gagatgcagc 180

aacaggccca ggagctcctt cacaagtatg ggcacactcg agcttacaga agacactgcc 240

agagtcggca cacgtgaact tccagaggcc ataaagctgt gccacaccac ccacgacagc 300

ttcacctcgg tcgtggctca ccaggccttc accctgacct tcaacggaag gatgctgtga 360

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aagtttttac ttgttcactt tnaaatatgt catgatggag aagctanaag aatatggagt 120

tgtntaanct ttcctngaga ctgaantgat ctatttcaaa gagaagctgt gaaatacatg 180

cctcaaaata gctaatgaaa ctgacagcat tctgtatgt 219

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ataaactttt gtctccacgt tgttaccata tttggagaca gaaacaggag tttctccaaa 180

tccaatgaaa acatggaaaa ttcaaggatt gtttaaaggt ctgtgatcat cacatacaag 240

atgtaactct ggttatttca gtcatatctg tgactctatc atgtacagtt tcctgaattg 300

tcnctgtgca tccaaacgta atgagtctaa cagacnctga tttcatgtgc actcccctct 360

gcttacaatg tgcatttttt ggaggtcatt caaattttcc ntnttctgtg attgctgtag 420

tttctttcat agaaagtagc tgatctgatg taatctnttt acctttaaa caaccaggat 480

agagaaccta ttggagtttg cattgt 506

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ggctggccac tgtgaggatg agggctgctc ctgggagcat agccggagtg agagcaccag 120

catgtccggc agcctgggct ctggcagttg gtatggtgcc atcggacgtg agccaggctg 180

gggaggggcc agccagacga ggaccactcc tctgctcttc tcccaggtgc caggacctgg 240

tagtcaccac cacagcctct attntacacc acagacgtga tctgctttta ctccccttag 300

aatacccagg ccccagctcc cctgatccct ggcccctgtg ccaagtacgt ctgctgcttc 360

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cctattgtag tgagcttgtg ccatcccc 448

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ccaacaaggc ctgcagtgtt cctggtccag gacgatgcgt ctaggatcta tgtctgggat 180

cttcttgaga atgacctggg tcctgtggcc cagcagccca tctctccaga taagcttgtg 240

gctatgacta tcgtggggga accggagaag accagtggta gttttgtggc cctggtgttg 300

gccaggacct ctggcacagt cgacgtccag aacctgaaga ggcggtggac caccccagca 360

gtagacgagc atagccagct gcgcctgctt cttcagaaat gaagacttgg tgtcgggaga 420

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cngnncnttn nnnnngnnct nnnannnnan gtccagtgga tcagaataca gggaaaaaac 180

taatgagaac ccctcaatgg atccttcacc cnccaaacaa gatttcttca gaaaccgact 240

tgctcttgca aatgnccttg accaaggaac agctgtgtaa atacatttac agttgtattg 300

tcgagtngta agaggagggt aanagcttgt atatatctct gcangnatat atatatatat 360

atatatcaat ntataaatcc ctaaggnnaa ctnatataaa cattnacata tgaaattaaa 420

tcaacatacn agatactgaa gagatgaaga ttantctatg nttaagactt nccttttatga 480

acctcaggat tgggaaaagg gacatgaaga ctttccacat cattacagga 530

<210> 8289
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<212> DNA
<213> Mus musculus

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atctgttgct gggataaaac aacgtgacca aaagcttacg gcctcaggga gctagatgct 180

catggcagca ggcacaagaa gctgcaagac cacacatcag cacaccctgg gagcacacag 240

tgaagtagac cttggctgta aacacaaagc ctgcccccaa tggcatgcct cctccagcaa 300

ctctgtatct taaaagttca taacatcccc caacaacagc gccaccagct agggaccaag 360

tgttcagtta cttgagacca aggcactttt cctccagtct acagcagaag gcaagcccta 420

cactgacgga gccttttctc cagcctcact cttcctctct tgctgctcta acaagtggca 480

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tgttttctcc ttatgctgag gccctgtaca ggatcctggg ctccagtccc cagggaagcc 180

atgtcccagg tcctctcgat gatggggctg gtaaccctcc actttctgtg taccctcaaa 240

ctcccaggaa ccagccttgg gattatggcg tcgctgttcc ttctgcacag cttcaaggga 300

acgcactgcc aatgatgtca caggaggatt ccctgtttcc nagaggggag cnactggaac 360

cccaaccatt caatntcagc tccaaactta cttcctgact ttgccccagg agaccctagn 420

ttccagcaac cgtggcccac cgcggaataa caccctgata ctcaatgaag acaggtggcc 480

tttctttgtt tattttctga aaaacctggg actgtgaaac cttgtgggt 529

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ccccacaccc agntggtcct tacattcaga aggacagacc agaagttact gctgagatag 180

gaccaggaaa ggactctccc tgcattggat cttggcccaa gtcaatccct tgttttgtat 240

tttnttgagc tcaccacccc accccaggtt tctaactttg taacttgctc tgatgtgggt 300

ccctaacccc aaaatcattg tgtccctatt atgggttgca ggatatnacc acccccctcc 360

ctcntgggac tnttgcacaa ttgaggggggg gcnaaggntg acagcctgtc cctactccct 420

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gcaccccacc cactaaagcc acctgacaac atta 514

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<222> (51)..(51)
<223> n is a, c, g, or t

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tttccaatcn agcancaagn ctgaaataaa cacccaccgc ctctgccaat tttgggtntg 180

ctatgccctc acagtcataa cctgtaacaa cttanctatc atgagggagn tgagatcnta 240

ccgatntnta aaattccacc tacagntngt ggctacggag aactgntnct gggtggcctg 300

naaattttnc cgagntntta tatttcctaa taggttttca caggaactaa ttttaatttt 360

ttttttagt tcagttacaa gattcaactn tcctngtgcc attgcattac ctcagaaacc 420

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcagcaaaca ctcggttgtt tgttgttctc acctctcagg tgattggtgg cgtcctggct 120

cctggttccn tagcccgctn tagatgacac aagattntgg gagaactctt ccctacccca 180

tcccatccat tcacttcaac caacaaatgc taaaggcact ttatgttctg ggaacaccat 240

cctggcttct gaactgcctg ccactctagc ttctttccct gcccacctgg acagatcctg 300

ggtagantcc taaacagtga ggccaggtat gtccctccag tgtcctgatg ctcagnccac 360

ctttatacca agtgccttat ggacctgtgg tctaggccat gtgatgccca gta 413

<210> 8294
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cccaggctgt cctggaattc aatttattta ttacccaggc ttgcctacaa ctcacaatag 120

ccatgtctca gcctcctgag tgctgggatt acaggcttga gccacccagc ccagcttcct 180

ttttgcactc ttggtgttaa cttaaaaatg tcgagttcat ttgcttagaa cttgtngggc 240

agcactgcca tggcagatcg tccccagcgt gagccttgag ccagttacaa cctgagctgg 300

ccactctcca tgtctgtggg actgttcctg aaataacagg gctaagaaac tactagataa 360

gttatagcct gtgggtaatg ccttagtgtt atttagataa aatatgtgtc attgatactt 420

aatacatggt aaggaatgtt cagaaagaac aaagttttca gggatgtctg tttgctgtga 480

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<212> DNA
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<223> n is a, c, g, or t

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cctttgtaac cagattccaa cagtgctttg gaccatggac tgttgtgggt gactcagcag 120

gaagtgaatg gtgctcagtg gaggtggata ggctggtcct caacnttaaa tgatgaantc 180

tactcccaaa tatccaccca accttcctgc cgcctatggg ccaacccctc cagctagtct 240

tgtgcacaat gtaaaactca tagtccagcc aacacaccct gtctcagcag cagcaatttc 300

cctcccagga tggaagtttg ttcaggggtt ggaaggacaa ctctccaggt gggtggatac 360

aggcatgggc tctccctatc cactcctatt gccaccaact ggggagctgc aacaacctcc 420

cctccccagg atatctgcca accttcatgc caaggctgct ctcaccagct gctgcagaag 480

acaagcaagg tctatatgta caaaactcta cagcgttctt tttaccag 528

<210> 8296
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<223> n is a, c, g, or t

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ctaactacta tcagaagaag ctgaaggaag ggtcctccaa ggcccgagag atggaatcgg 120

ctatgggcgg gctgcnacag aggaagaaga ttccttacaa ccctcagcaa gtagaaaact 180

tagaagtccc agaacggagg gtccncagga tcctgagccg gctgaagcag cagaactatg 240

ctgccaatct gcagagcccc tatgcccagg taccctgcat cccactctgc ccgaggctgg 300

acaagaaggc antccntcga aagctggcta gccataacca ttcggtgctg gatcagtgtn 360

tntccacaag cctgggccct gactttcatg gcctcttctt ccagccagga cagcaaggaa 420

gcagggaaca tagntctgac agcagaaagt ggcttagctc catgccagct cgaacccact 480

gaccntccgg aaccatggnt ccagttcaag gcctgcagat agttgggcag ggcctggatt 540

tgggagtttg ctttcat 557

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcnnnnncag ccctgangca cgnncagcac agctccctnn tnagctcctc ccccagcctg 120

gggttccgct tttagccact aggtggcacc ncgtcccagt gtccaagaca gacactccca 180

actgttatga tgacagcact acccaaacct ggacactcag caaagatgac cctgttctgg 240

ggacaccaga ataacagcag cagcagcaac aacaacagca acaaactatg gcaggcaagc 300

aggaagcagc tgctaggaaa acctggcccc aaccagaggc gaccccgcat gtgtgcagct 360

gcctctntca tcgacagtag ccaggggttt ccctttttgc cccacccgag accccgcagc 420

agcctcatgc ccagcctggc attccgtggg aaccataa 458

<210> 8298
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<212> DNA
<213> Mus musculus

<400> 8298
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<210> 8299
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agcggcctca agtgaccttn caaggagncc ccagaaagcc aacagaataa gaagatgcna 120

tctgtgaccc ancnagaann tntcacacgc acagaaccca ctggtgtttt gcttttgagt 180

tncccagctc tagaactntc ancaatnacc tgtacataan ccatcatcct ntntgtggaa 240

cttcatctnt naacattaca ttatggagaa gggatcacaa gactccnccc cacccctccc 300

caaggattta taggcagcta atgttttgat gcaactactg tctaaattgt a 351

<210> 8300
<211> 475
<212> DNA
<213> Mus musculus

<220>
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<222> (213)..(213)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (323)..(323)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggtgacggcc tgcagggagc gtggcttctc cgtgaacagc gagcagctgc tgatcttctt 120

cctggctatc tggttcttct atttcttcta cctccaggac taactcgata gagtctcctt 180

tccaccagct cagggattgg ctgagggtca ganccttggc cccatcaggc agctgaccag 240

gcntnacctg ttaanttagg gggggatgaa gacccagagc ccggagctgc cacccacctt 300

ctgttntcac aagaccatgg ntnttcagtt ttgtnccttc attgagtatg tgaccccatt 360

aacaggcaga ggacatntca tntctggaag gcaaagttga agctgcatat tcttggtaga 420

tggtgttgag catggaaact attttgtgcc tggcctcagg cccagtttct aatga 475

<210> 8301
<211> 468
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

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cacggagaag gacaaagggg aacaagggaa gccctctcnt tctgaaacat cactagcaac 120

aaaacacaga ctggcagagg aaaggccaga gaagggcagt gagcaagaga ggccccctga 180

ggctgtgagc aagtttgcaa aacggagcaa tgaggaaact gtgatgtcag ctagagacag 240

gtatttggcc agacagatgg cgcggataaa cgcaaagact tatattgaga aagaagatga 300

ctaaggactg cccatatctg gagtcccttg caagcgtaga gcattgtaac tcttgaactt 360

ggtttaagaa agcatacaac tgttcataga acagcgactg gagagtattt tttaaaatat 420

attttcaaaa tttgttaaat caaaagtcag ttctttgagc ttcagtgc 468

<210> 8302
<211> 352
<212> DNA
<213> Mus musculus

<400> 8302
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agaactcaaa gtgagacaga aattccaggc tcagacatta cataaggtga agagggagct 120

gagagctaaa atggagaagg agattcagca actgcagcac atgataacgc agaacgacga 180

tgatgctttc ttccgggagc tagaagctga gcgcttcaaa gctcggctgc agttggcttc 240

cttccagtac agtaaaaatc ctttcccaag aggccaaact tcataggtga agtttctaga 300

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agnctatggc tctggaacac acgaacatac aaaaacttca gtcttattgt gtttgtcctg 180

aaatgccatg atattccaca taggaatcca ggtaattgtg gacgcccact cgccagcaag 240

taagatgcca caacaggatc cttctgcaac atgtttattg ggagagcatg gactgcgtag 300

gcgaaagacc ccgagcccca gaaatggtgc tacttatata ggcctaggga gtgacntgtc 360

cataactgat tggttatgct accagtacct cattaatatg cctcgagcca ggcagtgact 420

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gactagggga cagtctgttg gctgagactg agatgtgact ctccgcttgg acttctgcac 180

agcattgcat ttntctgtnt cctcactacc ttcctccaca gagcagggaa agnccctgnc 240

tggggntntg gcagntnctg gtagtggcac gaggntntgg aagctgtcac tgggcaacan 300

ccttgagggg tggcgggggg acttgaaccc agggtactga ctttgaactt gttggcagct 360

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aaacccttcc ctattcgtac agcattaatc acccctgctt tgccgaaata gaagacaccc 180

tttccagcca gatcaacgag agtctgcgtt gggatgggat tctcaccgac cctgaggcag 240

aaaaggaaag gatccgcatc tacaagctca accgaaggaa gcggtaccgc ctcatggccc 300

tcaagtgctt ccattccgac ccctgcgtgg aggagagcgt ggagaatctg ccctacctct 360

cagacaaaga ctgcagcccc tgcagcaagc agcccagctc taagggcgac cacgcgcata 420

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tgtcggaggg gctggtcctc anagcagctg ggctaggaga gagctcagtc aggtcagcta 180

acttgtgggg tcagccacac gagtaccaca tcttgcttta acccttccc tctgctttca 240

gttattgagg tcatggtgag tctttttcta ggacctaggc gctgggccag gctttccttc 300

agagctgctt tatagccagt ctactgcatt aggtctaaat ctgaactttc tgaggcttgg 360

atctgagatt ttttnagagt aggagacagg tctctgggcc cgtcaccacc tcagaatttt 420

cccaaaggga gaagggacca antctcccag ggccagtgca ccgttcctgg tggagctggg 480

atgcctggct gcaatgtttg ggggcagcta gctgactaac aggtgacttt cccgg 535

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gattaaaggc atgtgccacc accattcaga tctaaaacac aaaatttaat actaattttg 120

aagcttctta atttttaaaa taaaggtatg ggtgagctaa aggtggtgca aaggtcaacc 180

aactccaatt tcaggaggaa aaccgcaaag tccacttgag caaacatctg atggcaatag 240

ccccccatcc tccacccctc ttaacaacag ccagttagtc tacagcagca tggtcaaggt 300

acatataaac taagacatct ggcagaaaaa agataaccca gccatcctat ttgtcaggtg 360

gttttgcccc tgtgtttggt tcctgcaaat tacagcagaa atgcagtttt aaaaatatta 420

atttgctgac ctgtatggaa ttccccaagc ttgctgtaac caccataaat accctgcacc 480

cctagactcg aggctctcac ttctgaccac tgcaccggtg atggagtgct cttgagctcc 540

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cgggtagtgc tgagtggtgg gatcggggaa gaagggcaca gacagagggc agcacccaga 180

ccaagcagcg caccagggaa gggcttanct tccacagaac cctgttccaa gncagagacc 240

tgatcatctc tctcttcctc ccctccttta cgccgagnct gctattcccc agcaccttcg 300

aggccccccac tttggaagtn cctcgtggcc tctgcccttt gaanccggac ttcttcctag 360

cacccacagg aaagtcaagg gcaaaggcaa nttcaagncc agactngnca gcacacccag 420

ggctgaggca taccccaaga agaggctgan cctccctaat cccttcactc ttactttggc 480

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tttagtttag gttagtccct tggtgtctaa tctgtgccag aagttatatg tccctaccaa 180

tgtcattaaa tctgtagtag taagaaacaa acagacaaac aaaagcatga tttatttgaa 240

ctgtgagccc caaaacagta tttccatatg gtattttaaa gtcatagatt ccaaagacat 300

ttgactttta tttttcagtt gaataaactt ggcccccaga tccagatgaa attgttttta 360

aaaacaatct gaaaatggta tttttccatt atttcctttt atatgactta aaaaacacct 420

gataaacatg ttctttttaa aaatctgttc cttcaatatg taa 463

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atcagcctgc ttatcccact gcttcccagc gaggaccctg agatctccga ggtctcatcc 180

aagtgcctgt ccatcntggt gcagctgtat ggaggcgaga accccgagag cttgtcccca 240

gagaacatgg tgacctttgc caacctcctg atgaccaagg aggaccccaa ggaccagaag 300

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aagaacaccg gcagc 375

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gaactcaagt cagctctcaa caagagcanc aagagccttt acccgcagag ccatctngac 180

accccatcag tcattcttca antttattat ttggagaaac ttaacntgnt ggtcttgggg 240

tgccnttagc ctntgggaaa aactcctact aaaccttcaa aacaactgca ataaggagtg 300

gagggattca aaaagtctcg gggcgctggg ttgggctgga ggccatgcag tgcggctggt 360

cagtgggtgg cagaaacanc gcccactctn gattctnttt tcncttctnt cttccctnnt 420

cagtntctgg ggaagtgact tgtacgggac gcatgnccca gcgtggagac tgtncaccct 480

tcacattgaa cctgaaatct cgtgggtggg cctgtgttcg aatccccagg ttctcaggaa 540

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tccagtccct ttttctgagg aggaagtctt ngctcccttt tctagactgg cagcagattc 180

ccacctgagt agatcagttg aagatagctt tctgtcaccc atcatctcnc aggctagaaa 240

gagcaagatt ccaaggccag tatcctgggt cagcacagat caaattaatg gctccgcttc 300

acctcagttc ttgcctcggc caccaccagg aaagccacca gtcaggcctg gagtagaagc 360

caggtaactt catgcttacc atgtgtgtag tgtgtaaggg tgtttcaagt attgctttac 420

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ctgcttccct aggacaaagt cnacttgcct tagctgtggt gctcccccca accccggngt 180

taagcaactt gaagnangag tgaggggagg actcacgatt tccaggagtc cagagccctc 240

attccacctg caaacctgtg ccagtcccgc cctcctctct aaagaaaang anggcagagt 300

cgggactaag tgtggaggaa ttctgggtct tggtggaaag aagaagcagg acagtttcaa 360

attcgccant ggaagagaga cnangccntn tccaccaacc caaaggcctt ccgccccanc 420

cccgggantg cntnttgntg ntatnttccc ttcantcttg ctggcaaaga caggtaatgt 480

aagagagtac ctagcctgca ggtgtttc 508

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tatgtgttca tgcaggtatt agtgtgggtt tagactttga aactggaaag agcaaacaga 240

gatttggatg aattcagttg tggactgtgg ccatgtgtgg tggngagtgg aancgagggg 300

tcccgggagt gggagggcaa agcggtgggg nagaatcnac aaaagagtct ctgcttgnaa 360

atntcatcat taaacctaat acttagtatg ttaacttttn aaattaattg ttcnaaancc 420

tgtcagacca tcaaatatac ttncnaaatt ttagcttaag ctctttatcg ttttgttgag 480

agacantcaa aaagcagaaa atntccacaa ctttcaaatt tttattaatt tttcttaaga 540

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antcatccnn cancccaaga nagacncagg gaacctnntc cttccgcaag ntnctggagg 180

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cgtcctgggg caagttcaca ggttgatgac cgtgctgctc cagggtcctg cagcataaca 180

gatcaggcat tagggaccac catcaaccct atcctccctg cctctgagga agaccacgtt 240

gtccgccagg actcccaacc tgatcctaag gtccgcagca tctttaatac ttgtcacgag 300

aactgaagct ctgnccaccc acgggtacat ttgaggccag caggtggaca gtgggnccat 360

gctctcgaac cagtgaggac atggagtttn ttccttgggt tcccacccaa ggcagacacc 420

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agaggcagtg tggaagcaga cggagaaaag aagggtggag attctgatgc aagaaccatg 180

ggcgaactgt ccaatgagat atgatttctt tataccttat tcagatgtgt ttttgcaaga 240

cagatgtggt tttttgtttg ccctacagtt tcagagaggc cattcaaaga tattcatgct 300

aaaatgacta ctttatagtg actttttcc catacaagtt tcttaacact caatacaatg 360

ttaagtatct ttaatgcttt aggatctctt aacaagagtt ttgccttttg ttggattatt 420

tattggagtt aaagtgtagg tccaggctaa tgttacccaa aaagtttttg gggaaatttt 480

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atgtatagnc tgacaacatt aaatgacatt ttcctgatgg tctttctgtt ttcgttaata 180

aaacaacaac naaacnanca aaaaagtgat tttacagtgg gggaaaaaat cataccnaaa 240

gaaaacttga atatgtgttt gaacagttat tgtattttgt aaattaagtt atatgctgtt 300

ccnagggact tttnccttat tgaagaggca gnaaactatg attggantcc ttgagaatgc 360

tttatcaagg atattatttt tctaatgtnn acgnttntcc atcgcgtatt cttttcacat 420

ggactgcata ncaattttca taaaatgtaa atagaaggaa caactgctgc tntcccgtgc 480

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aaaatctgta tacacaaaaa accacccttg ttaggtggtt agtaatctat aaatttgata 180

ctaacattaa tagttaaaga gaacatttta tttttatcta ttttcatgtt aatttaagaa 240

aatgctttat agtcaaaata catcagtgaa acaaaacctt cagtgaaagt aatatattta 300

tttaacatat actttatgag catatttact ttctntacat nancctgtat tttgacataa 360

gtatttgnat atttgacttt tanttntnta cttttacctt ttaactgcat aatacaagaa 420

aagaaactat agcaaacaaa gcgaaacatn tgcattgcat nccatgaaac aaggcaaaca 480

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tgaaaatttc gggccctcac ancagtgttc gcggaagagg aattacccgn ttantagaga 240

gcatntcaaa ntcntccaac aacatccata gattntccag ctgtgagant tcantntcac 300

cttacacgcc ccaaaaagat gggtacaaac ctttntcntc cttttnttaa tgatggtact 360

ttgtgcgatt tctggaaaaa taacaancca acttcctttc tgactacagt catattaaca 420

aacatcacat caa 433

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nttnnnnata caatgtntcc gncntttncc ttgatgggca gcggaggaat tcagcttgag 180

gaagccatca cagcaaagta tntggaatat gaagaggatg tgtagcttgg acaccccacg 240

tgactgatga ggataagaac cgtgaacaaa gccatgcctt gatgttaatc taa 293

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accagcacac ctctcaaggt actccgcctg acggtgcaca ctcccaaggc tcagggtgag 180

ccacagctgt acgagactga ccaggggggag gtatttctaa ggcgcgatgg gagcatccag 240

ggcccactgt cggttggcgc catccaggac tggtgcaggc agaagtggnc gntgganctg 300

ggcaanctgg aagagaagnt nangntntta acgctggaaa aggagcagnt tnagcancag 360

ctgaggcagc nccanccant ntcctgcagn tgctgtntcc tgtgaggaca taagatgtgg 420

gctaagactt ggagtaaaac ctacctgggc cacntcnttt cccttggcat tgcacacaca 480

ggagccacag ganttcacct cagtgtgggc acagtaac 518

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nttccgggta caactgnagc aantgcgggn tatgggcttt ntgaatcttg aanccantct 180

ccaggccctc attgctacag agggtgatgt agatgctgct gtggagaaat tgaggaantc 240

ttaggagctc tagttatttg gaccatatnt tttccttttnt gcctttcccc catntnttat 300

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tggacttatt tttttgtctc catttgaaca tcttaacaga gaatttgtta ctgtttatta 180

aaagaattga gtttgaaagc ataaaaaatc tgctttgcaa tcgtatgaag aaaaacaatg 240

cctttattat cacgtgttaa taagcacaat tcttatagcn aacggtgatg aattctttgt 300

ttctttcatt nnccncaata ttttcatatg aacaaaccaa aaatccatgg tgagcagngg 360

cggtntcggc tgncccatcc tgtgtntcca gggcactcgg aggatgtgga cgttgacgag 420

tgtgacctgg tgctgtgact ggancaatac tttactttcn tcacgtgtgc ttcnccgtgc 480

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tagaatactt tctgacactt tgctagaaaa aaaaaattca aagctgtgcc tttgagtcta 180

tactanactg tgtatgtgtg gaaataaaaa aaatgtattn tactttgggn aaatttttn 240

tnaggtattt tttntcagat ttgnangcna tttntgaggt ttnttagaga tnaacatagg 300

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cagaatncaa cattccncca nacagntatt aaaggtctta acacaacggt gccttcgggt 180

cggntggtga cagtncaaag cacacctacc cgncntactg ggaggacntc tggctgacac 240

agacntcnnt ntgaaaaaac tgcctattcg aggagggncc ttgcagcggg tgaaagtgaa 300

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gtggaggctc tagggtattc cagtgcatct ccctcccacc atcaagaagg ttggttcatt 180

tgtcatattg aataacagta tctcaaagtc cgtcagttgg aaaagtggtt aaacctatta 240

tttttctaaa ggaaatttga tggtgtcatg aataacctga ttgttaaaag gtcttgtttc 300

ttgagggttt gtcctaagag atttgtgggn tcttttggtt tttgtttgtt tntttntttn 360

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tgtttctgca tgtgtatacc aaattatatt atctttacgt ttgtctgggg aaaaggtttt 180

taatttgttt tatgtcaaac acctcaataa ctcattcaaa agaaacatgt ttttagtaac 240

ttttctgtag acnatatggt aagggtggag atanaatgtn anggcttgtt ccttgtatat 300

tttggctttc attttnaact ggattcccat gtattcatag nanacagttt acttcctctc 360

tatatttcct natctgttnn nttcnnnnnn nnctcaccag tntatatgnt ctcctttcct 420

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ggcataacgg accttggttg nccgagctca gcggtatgca tgttactgag ggaaaaccaa 180

ctatgggaat ccaagcttta tcggagagtg aacacaagga gcctaggcgg gtggcttctt 240

cagaggtgag ggntaagagt cagctccaga aggaagcagn cntccctggg gtggaagaag 300

aggntaanta cancccatga ggtgacatnc cnctgtacct ntgcatggaa gctgatttgn 360

tcattgctac tgccagagca atnggctgga tgattntgga aggattnttt atttcccttt 420

nttcttgtca cagaattaca catgtatttt cagcttgcta tttcccttct attgcatttt 480

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ggcaggggag aaagatggcc aggatgctga agccttcttt ctagtcccta catcatggcc 180

tacatgctag gacccgcaaa tgcccaagta cagaaactaa acctgacatt tcattttcac 240

tttctttttt tatttggtgc ttcatcaaat caacccttc tatagtcaca tctctctcca 300

agaggntnnn canantgcga agcccttagn ccaagcaaca aagcatgnaa aggtgaaaac 360

agcaggcatt tnagctgant ntagntctca agccnaggag gaagtgcatg agtaagctgg 420

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gggaggagcc gggggaaagg gagggctctg gctgctggaa caattcnagn aacnactnan 240

nanatatccc cactccntcc ctnantntgn tggncgatgc tngacaagag acgatgctng 300

acaaggctaa ccccattaca gtggattctt cttaagtnca ggactgnagc taaacattag 360

gactgaaggt ttttntcttt tctttctttt cttttgtttt gatagggtct caccttatag 420

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aaattgttgc aaacacatgg aatgtttttc agccgcttct ttttggctta gttggaacag 180

aagtatctgt tgaatctctt gaatcaaaaa ccattggcat gtgccttgct accttgggtt 240

tggcactatc tgttcgaatt ttatccactt ttgtactgat gtcttttgct aacttccgtt 300

ttaaggagaa agtatttatt gctttatcat ggatccctaa agctacagtc caggctntnt 360

taggacctnt ggntntagaa acancnaagg ntcatggcac cccanttgga aggatacncn 420

gaaggctgtg atgacagtgn ccttcctagc catcctgatt acagntccaa atggagccnt 480

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atgttgcgtt ttgtggtaaa ggattatagc agnaaatccc gaaataactt tattggccaa 180

tacaccctac cttggacctg tatgaaacaa ggctaccgac atgtatcctt nctctccaga 240

gatggcacta gcctcaatcc agcttccatc tttgtataca cctgcatgca ggaagacctg 300

gatatggatg agccctgaga aacacagggn aggnccttga agaacnatct acagatgcac 360

nntcctttcc nacctacaac ttcctcnaaa tccagagcca nccaaaggat caatgaagga 420

tcaaggttgc caggcaaagg ttgaggaaga atgcctgant caaaactgtg antntagaga 480

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ctttgatgtt atctgttaat gcctttacac atcacagtaa ttttgagtgc tgataaaact 180

catactgaat agataaaact tatactgaat ggaatttttg actataaaag atttgataag 240

atttttagcc aatacattta cattaagtta tagaaaatta tttattcaga ggaataaacc 300

tgacaacttt caacaaagta ttcaagaatt atgtccctct ntnntatgca ctgatgacct 360

ggaagaaata taagatggat tgcatcagaa gtatctgaag ccttggcact ttaaagaaat 420

ttcagagtcc caaatctcta caaaatgaag aagagtgaaa agaaagatca ggagagaaac 480

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atcctgggca agctgggcga gtccgggaag gtcacggaca tcaatctgca gcagtatttt 180

gctatcatag aaaagaagac aaatgacctg ctgcttctag agtccttccg gcgcctgcag 240

gaggcagagg ggcccgatgt cgatgtccca caaccntttg tcaacccctt ctggggcggc 300

tctgccctcc tcaagccccc agagcccata agggttgtgc tgcctgtgnt ttggggcaga 360

ctccnnnnnn nnnnnnctng nngnngtgga ctntcctntg gaccacagta ccntccagca 420

gatgntnttg gagaanttcc ttcagaggga acgcacaaaa gaantacagg acaccatntc 480

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tcatttaaaa gctcaattaa 140

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gatcacccnc gtgcagttca atcccatcca ccccatcata atcgtgggcg acgacc 176

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gatcacccnc gtgcagttca atcccatcca ccccatcata atcgtgggcg acgaccntgg 180

ccacatcatc tntctcaagc tctctcccan cttgcgaang atgccaaagg agaagaaggn 240

gcaggaantg cagaagggnc cagctgtgga gatcncaaaa ttngacaaac tnctnaacnt 300

nnntgaggga agtnaaaacc naaancctga gantctggcc cagaccctgc tccgtgttnt 360

gaacccaata caagcaagga cgtncctcac cctgaccaat cccagtattt gcttttctca 420

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gntactccac aagaactcca ggagtttaaa tctgaactgt ttctgattnc aaaatgttta 180

cgagttnaag acatctttca cactgcatga taatctgcta aaatntcagg gaaaccntca 240

ncanacnaca aagggnccat gagcantntn tgcttntatt gntaagcant nctaaatttn 300

ntttatgtgt agaaanttaa attcatggca cgcttagctg acaggacaca gcctaacata 360

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nnnntnttta ggacgaccan tntcctactg gatgacggga tnccatntgg gatgagccag 180

ggtgcagacc tantggggag tcantccagg acccctgtan tccttggaca ttnttcanta 240

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aaaagtgtat agtaattact agctagtgtt tggaagataa tattcttatg aacaggtagt 180

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<223> n is a, c, g, or t

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ccagagacca tcatgaggtg catgagaacc ggccagcccc agaggaccaa gaccgacggt 120

ctggaggaga catctcagca gccatcgact ctcgcaagct atcttccaga tcatacagag 180

cataaggatg ggcatgtgag agggccagga agttgtatgc ggatgccctc ctgctggcag 240

gtgaaggacc actgaggcct tcagcggntn ntanngnnan caannanncn atgnntgata 300

gaanggaggc cccctntttc ntcccacncc atgntngagn tcagaccaaa ttnccttntc 360

acaagacatn tccntgnatc tntntcctcc agcngaaagg antntgntnt tntgttggct 420

gattggaagt cacgtggggg nnccgggcgg cggcnctggc tggctggctg gttccccggg 480

tttcactgtg gtgtg 495

<210> 8357
<211> 451
<212> DNA
<213> Mus musculus

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<222> (175)..(175)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (263)..(263)
<223> n is a, c, g, or t

<220>
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<222> (270)..(270)
<223> n is a, c, g, or t

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<222> (273)..(273)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (377)..(377)
<223> n is a, c, g, or t

<220>
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<222> (383)..(383)
<223> n is a, c, g, or t

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<222> (419)..(419)
<223> n is a, c, g, or t

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tacttttgc taatagtttg agcacaaatt gaagcccaga aatactgaaa gcttattatt 120

ttatatcctt taggtaatat atgtatatgc tatatatata attatataca tatantgtaa 180

tctcaattag gcaattttaa tagacttcac aaaaatattt taataatcag actgagtgct 240

cttnttttat aaatttcanc tgntgtttcn atnttancna tnaatattan aatatntttt 300

atattttatt cattaatata acnacaatcc natcaggnaa agtttctaga aanccaacga 360

gggtcagtag tttagtntca ttnctggaat taacttatca tgcatttgct tagttaaant 420

caaaatttaa tattggttct ttaactgaaa t 451

<210> 8358
<211> 279
<212> DNA
<213> Mus musculus

<220>
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<222> (69)..(69)
<223> n is a, c, g, or t

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ttatgcagnc cgcaccagca cttctcttca gcattcagtt tctgggggggc tctatttgga 120

caaaggggag caggaagttg ctactaggag cgaaccagag ttatctcagc agcactgaca 180

agagcgcctc ctcattccgt cagcctctcc gtgtgttctc accaccgcct cagaatacag 240

caacctgcac ccgtagccgg gcgatcagtc aggtcgatt 279

<210> 8359
<211> 282
<212> DNA
<213> Mus musculus

<400> 8359
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agaagagact ctccggacaa tccagagacc aggtgacaaa gtttctcacc agtataagac 120

aacgtcttct gagatcaacg ctgtggttgg agctgtcccc tccatgtgtc accccatatt 180

cggtgttcca accattcgat ctgacatctc tgctccccgg attcgtcgag tcagtgacat 240

gaataactac ggtgacgaag gcaatgctta ctctctgctg ca 282

<210> 8360
<211> 559
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (436)..(438)
<223> n is a, c, g, or t

<400> 8360
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ccaggctgtc tgaatccgag gaagaggaag agagttactt ttggagagga cttaagccct 120

gaagtgtttg atgagtcttt accagccaat actccattgt gcaaaggagg aacacctgtt 180

cgcccaagga ccgtaaaaac taccagtccc ctgcagtccc ccgttcatga gcagtttctt 240

cagccaaact ttgatgacaa ggaggagaac cttgaaaaca tagagccacc tcagggatca 300

tttgcaaatc tgagtcttag taaatcctca ctctctgaga ctcctccagg cactaacact 360

tgcagttctt taaataaaga tgaagaaata atctgcagta ttgttagacc tacacggacc 420

tctcaaagaa gaaagnnnac gctgagttct acaggtgttt gcagctcata tactacacaa 480

gctgagcccc gtaaagagaa gatgagcagg aggaaatctc gagaaaaaaa gcacacaagc 540

gcggcacttc ctaaaaaga 559

<210> 8361
<211> 410
<212> DNA
<213> Mus musculus

<400> 8361
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tggctgtctc caagtccttc cactttgcag aagcccagaa ggagaatgac gatctgcacc 120

ttagacagca ggggatttga atgtccatcc tccaaagaag agaccatatc ctcaggacaa 180

aacccagggc cgctgcccgc tgtctcgggc agtgagagcc agggtgttgg ttcttctgcg 240

ctacctagga agaggagaag cctttgtggg tctaccctca cagatgctaa cagtgccacc 300

cagccaccag actgcaagag aaaaccctcg ctcaagggag aaagcgctca gctgccctga 360

gggggctggg cccaggagaa caaaggcagg aacagacaat cccacctggc 410

<210> 8362
<211> 368
<212> DNA
<213> Mus musculus

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<222> (294)..(294)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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gagtccctga taaggaggaa ccaagacggg atagtaataa agcagaatga agatggcttt 120

ctgataaaga aggcagagga aggcaaaaag aaaaagaaaa catccaggag ggcatcagca 180

cacccagaaa cagattctga ttccagcgct ccacagaccg gagaggctcc tttcgaaagt 240

aaaccacccg aagaacaacc agagggagaa gagaagaaac gcaagaaaga aaanaagaaa 300

aagnagaaaa aagacaaaga cggctgagaa aggaggagga ggacagggca aaacatggcc 360

tccaatgt 368

<210> 8363
<211> 480
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (241)..(241)
<223> n is a, c, g, or t

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<222> (262)..(262)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctcttcctct caagttagca tctactgcca taaggtagtg tgttcaaaga ctggctactc 120

taggcgtgtg cagctcatgt gcgtgaatgc atgcaatgca gagcacctta atctggctgc 180

tcgttattgg gagcccttaa tgtgtatgta gtagcatnat cacattaagt aacattaaat 240

nttctaattc attactcttc tnacgtatat naacttaaaa acacattttt ntcnaaattt 300

aaacattgct gtcacngggg aagntctgag agtantgcta tgcttggact ttaccaggtg 360

agataagacc attttcttaa ttaatgtgtg gaacagggat gctaggaaaa actccatgaa 420

cntcctagca tttgctaaag gctgtattga tggctcaacg tgacgatgta tgcactcaat 480

<210> 8364
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (46)..(46)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (116)..(116)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cgaagangac accatccagt cccnggaagg taacactatc aagtcttcag aagaanatgn 120

ncagctctca gagagcaaac tcttaggcct tggagcagaa atagagaccc tggaggaagg 180

cttggtgaga gtgatcaaag acaaggagga atttgaggag gtgctcaaag acgctggaga 240

gaagctgntg gctgtggatt tntcanccgc ttggtntggc ccctgcagaa tgatgaagcc 300

antnttccat tccctntntt tgaagcacga ggatgtgata ttnttggagg tggacactga 360

ggattgtgag cagctggtgc aagactgtga gatntttcac ctcccgactt tccagtttta 420

taaaaacgaa gaaaaggtgg gtgaattttc tggtgccctt gtgggaaaac tcgaaag 477

<210> 8365
<211> 585
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (212)..(212)
<223> n is a, c, g, or t

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<222> (297)..(297)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (416)..(416)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtattgcttt ataaatttta tctcccaata aaagctatct atcaaaaacg ctttgaaaat 120

tggtaattac cttgaagata gagtatgtcc atcaaagagt aaanttgtct ctttcttttc 180

atgataaact ttaaacatgc tagatgtttg antatgcatc tgctccaagt taagcatctt 240

ggatttttta tacttgtatt ttccttatgt ttttggtcaa ccataaaaga tgattcnatt 300

tcatngatta gttanatnta atnacttgcn ataggtatgc aattanntcc cnacttttat 360

agttggaaaa catttngatg ctgaacacaa aatagctaag aaagnatgct gaattntgtt 420

gattttaaca ttttcaagta gtttcttttc tntgtggagc aaagagggga acagatataa 480

cantcattta aaagtaacat gttttggaca atgtcactag agggatattt taaagtaatt 540

attagaattc aacaaaaatg gtacgagcta tgttaaccaa taaag 585

<210> 8366
<211> 528
<212> DNA
<213> Mus musculus

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<222> (287)..(287)
<223> n is a, c, g, or t

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<222> (296)..(296)
<223> n is a, c, g, or t

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<222> (347)..(347)
<223> n is a, c, g, or t

<220>
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<222> (474)..(474)
<223> n is a, c, g, or t

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taatatatag agacattcca taagttctgt gactctagag aaccctgaca agataccacc 120

caagtcttta tatcactgct tgtctggaca ctgttgtgac agtctgggtg gtaaaacaag 180

ctgggaacag ttttcctgta ggcgaagctc ccatgtcttc tgtgctctgt cccagttgtt 240

actctgaggt gggggtaacg ggcattcctc ctcagggctg gctgttnttc tctctntggg 300

gctccagtta agctctgtct gacagatggt cgctactgag aggactncat tgatcctaat 360

tttcttcttt catggtcatc tttttgcttt gttttccaag agtgagaatt ttgtaagctt 420

ttcttacgtt tcaaactgtt tttcttagtt cctgtgttca gttcttatat tttnttctct 480

ttaagttttg catttgttta tatgtaagta gcctaacagc atctaatt 528

<210> 8367
<211> 400
<212> DNA
<213> Mus musculus

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<222> (227)..(228)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (353)..(353)
<223> n is a, c, g, or t

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<222> (355)..(355)
<223> n is a, c, g, or t

<400> 8367
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atgtacccac tcaagataaa ctggtggttc tgcgcacttc cctacagtgt tctcatcttc 120

gtctatgatg aaatcagaaa acttatcatc cggagacggc ctggtggatg gctggagaag 180

gagacgtact actaactgcc tcagagaaag atcttcanac gacattnntc tcacgagagc 240

caggactgag tataacaatg acacctgaga taganctgag caggggcccc tnttntatgg 300

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ggagatggaa taggttggga gaaagaaagc ccagcctgtt   400

<210> 8368
<211> 333
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<400> 8368
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atgaagtctt gagaactctt ctactttctc tgtgaaaatg tattaatgca ttgtttaaag 120

atatcagcta taacttttgc ctgtattaga aattgtgata tatatatgta tatantgtgt 180

atatacatat agatacacac acanntatat gtatatatat atgatacatg aatgcatata 240

tgtatacaca cactcacaca ctcattcatn aactttgaag ctgagccaga gtgaattntg 300

cttcatttat gtgtattaca tttcttttga aac 333

<210> 8369
<211> 482
<212> DNA
<213> Mus musculus

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<222> (291)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

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<222> (358)..(358)
<223> n is a, c, g, or t

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ccaagtatct ttcttttact attggtagag tttgatcaca cttaaaaaaa acgttttcag 120

gttataaagt acccatggtt ttaatttaaa aaatgtttag gttgtgtgcg tgcacacatt 180

catgctacag agcatgtgga gagtcggctc tgctttcctc atgaggacct gctagagggt 240

ggaactcaag tcacctgctt tgctttttgc ccactgagcg gtttttgtga nccctacatt 300

taaatttcag actaatacag agtttgttng tatgatgtga agtatacctg taatattnta 360

ctatttctca agtgatttat tgacttaaga gctcgtatct atctactgat ttgaagtttt 420

tagcgttgtg ttgtattccc atgtgtgtca attgttgatt ttcctgactc ctattcactt 480

at 482

<210> 8370
<211> 202
<212> DNA
<213> Mus musculus

<400> 8370
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tctaagaacc aagaaaagaa gtggctttta agtttgtaca ttgtcttaat tatcctcgct 120

tcagtgttcc tcataggcac agggtggaaa ggcttgaaac agtgcggttc caaggaagag 180

gagtccatga gtagcgaaag ca 202

<210> 8371
<211> 294
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<400> 8371
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gcacagacaa agagagccac ctggaggcct atgggttccc agaggtggac cgagaagagg 120

gcagagggga taactgcctt cttgaggatg tggctgaaag tgtctgctca tcttcttcct 180

cccaagagaa cacatatccc agggaggcca acaggaaatc caagcatggt ttggattcta 240

tcacntccca ggacatctta atggcttcca agtggcaccc agcccagcag aatg 294

<210> 8372
<211> 337
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<400> 8372
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attagttttg tagttgatgc ttctgagatg cacttcatct tcctacgcct gggacacatc 120

tacttggaag agaaagagta tgaaaacgca aagagaacgt acatgcatgc ctgtaagaga 180

tcaccttcgt gcctcacttn gctaggacta gggattncct gttaccggct ggaggagctc 240

acggaagctg aggatgctct gtctgaagcc aacgcgttga ataactgcaa cgccgaagtg 300

tgggcctatc tggctctggt ctgcctgaaa gttggac 337

<210> 8373
<211> 525
<212> DNA
<213> Mus musculus

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<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
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ntcctagact caaccatagg gntacagtcc tgctactgta ggctatatag tttcatacgt 180

tgaacatcct ttctaaccct gttaaaactg agtcctatgt gcctaaagta ttaatccagt 240

atttcgtgca gataatattc tttcattagc tgtaaacatt tattcacaat taaaagcagc 300

ataatttgta ggaaatatta ttacaggaca cataaaagcc tgtgacaaaa gacagtcccc 360

atatatatga ttgtcttact ataacaatcc ttggtatgaa caaataagag taaggaaact 420

gttattgact ttgtacttat attgaaagca gtaacatcca ggaaacttag gaaaatatgt 480

tcaactaaaa gtacnaacgt tgccgcaaac actgagataa tttag 525

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ggacatttcc atccttttct gcatgttgga tccagtagag aaggatgcta acagcatgcc 120

tctgacggcc cgggggggtgt tcatttttgg ccctgacaag aaactaaaga tgtctctcct 180

ctaccctaac tccacgggca ggaact 206

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<212> DNA
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caacattatc aacagtatct gcacaggact ggttggaggg tcaggaattg tccctggagc 120

caattatggt gattcatatg caatatttga gatgggttca aaggaaatag gtaaagattt 180

ggctcacaga aatattgcca atcctgtcgc catgctgctg accagctgta tcatgctg 238

<210> 8376
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ttaagtgggt cattctagac aacgatttct ctgtggatgg tggggagctt ggacccatga 180

gcaagatga 189

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aaagaaaaca gattcatcta aaataccaac tttacttagt atggacccaa atcaagaaaa 180

acaagagnca gnnancnngn gnnnctntnn anganngnnn tgntnaannn nnnagnnagc 240

cnnnnggaag annngnncnn ngcaggtttc cactgtttgc aacatctttc ctgtttggta 300

caagagaagc aacctcaact gnccatcctg acctcccact gggtcaaccc ccacactctg 360

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agtttgtaag tgatgaagan acagtgagtc accacgagcg ccagcagtac cagnaggccc 180

tggacatgct gtcggctgtg ccgaaggacg aaaacaagat gttctcttta ccgggcgaat 240

ttttaatacc cgcccataaa gtcaagcatt cagagggtgt tataattcaa caggtcaatg 300

acgaaacaga taatgaagcc tcancctgg aatgaaaaca atccaagtgt ttctgatagt 360

gtaatagacc aggaaacntn ctgtggatnt cattgaaggt gacagtgact ttgaaagggc 420

tgagacttcc agggaantct gttntntgag cacatcactn tccccatntg gtccattccc 480

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cactcggggt ccagcagccc tggngtncta ctggtagcag ggctcttcat tcagactcac 180

cttgaactaa ctagnttctt ttacctgggg ctctaggaat tagccctatg cctcctgcat 240

tttatacaaa tgaactagaa accacctttc cctttctccc ccgctggtca ggggctccac 300

acagactaac ctaggcacta tatggaccan cctgaatccc atggtcaggg ggccatatag 360

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ctanttctac tgcagaactt tccagatgtg ctgcctccan tcctacgtga ggatcagcnt 180

cacaggagta gatgacaaca ctaactgntn ttacgagaag cactggccaa gaataccgtg 240

acagcctgca caccgtgtac agacttccag ggaa   274

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agttcagcgt caagggtgat gaagagcaga agctaaggtt cgccttcaga atctacgaca 180

tggataatga tggcttcatc tccaatgggg agctcttcca ggtgcttaag atgatggtgg 240

gaaacaacct caaggactgg cagctgcagc agctggtgga caagagcatc ttggtcctgg 300

ataa   304

<210> 8382
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<213> Mus musculus

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atttccaact tggggatgtt tggcatcgat gagttcgctg cagtgattaa cccgcctcag 180

gcctgtatct tggccgttgg gagattccgc cccgtgctga agctgacgga ggatgaagag 240

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caaaaaccgg gcccagactg cttnctgaag gttgaaagat gctgggtaaa gatgccatct 180

ttgtgacttg ctggagatac tgtttttctg ttccccttt tattctcagg atgatatagt 240

ttgtaccatt gtggcaagag agagctctag gctgcnnnga gcnaggcagg ggtgggatac 300

aagatancca gctcancaat ccccccccctt tttttnnaga tagttgactt gatatttatg 360

gtattaggga tcaaaccatg tactgaatct tcttgtgtgg ttttgttttt ttttttttn 420

aaataacaaa acccttgca tttttaagcc agcgacttgt ccaccgtctt gcagcacaga 480

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ttgtaaaaga agataaaggg atgtgtttct gagtgtcatc ctgatctttc caaagtgttg 180

cagtgtggtc cagagagcag agcnagcctt tttgctgtgg atcccatcac catccattgc 240

tgaagaagaa gcagggctca ggacaagcat gtcaaacaca cctgacacta caaatctaca 300

cntttgcnac tggctctcat cacatgctgt cttctcaccc ttctccactg aaaaataaaa 360

ggaaaatgta tgatggccaa gtnaaaaatg acaggaaatn ttctantcaa gcttaatagt 420

atttgctatg tttagcttac agaactgaaa aatacctatt agtgtaaaga cattaagaaa 480

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agacagccag catggagaag caggctcctc ttctgcagtc tacctgtgcc ccactgaggg 180

agactgataa tgggctcatg gccctaggag gccaagaact tcctgctgcc tcctccagcc 240

tcctcctgcc cctgcagaan ctgggagtcc tccaccgtgg ccagcagncc cctcaccagg 300

ctgcagctcc aggaggcact gctgaacctc atccagaatg atgacaactt cttaagcatn 360

atctatgaan cctatntntt nagcgtgaca caagcancca tgagaaccac gtaaccagct 420

acatgaganc aaagactaag aattgatntt ccaggttctt catgtgaact ggtgtgacca 480

a 481

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acttacttac ggttatagca tctgggggtc ctcttgcagc tgcaatgcct nggatctttt 180

gcaactntga ctttttcagt agcannctng gaatgttaaa atatggtgac cctnttntct 240

gtgaaggaag ggcctgacaa tntgccagca gggantcctg ttaaagantg ggaantcagt 300

gcagtggttt tcctnccttt cccttntcct ttggtcnata gtgatactga cagcaatacn 360

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gaaaaaactt aattggatgc aattgtttat aattaac 457

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caacccatgt ccacactacc ttntgccaaa agctgtccaa gctgcgtggg caagcacgac 120

caggaatgtc ttccaagctt tgtcaccaca gagaattgcc cctttgctgc ttcctcatgt 180

tacagttcca ccttaaaatt tcaagcaggg aatctcaata ccaccttcct catcatgggc 240

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ctgngtagat atagcattga tcacacacag ttntaattca ntttnatntt gaccnanata 180

tgcttttgta atttcaattt tctnatctga atatttataa attattttga atttaattat 240

ctgacctcat ttaatataca ttgaacaccg atcctgtttg tagcgantct tgtttttata 300

aggtttcaat aatatctaaa acaacacatt aaaaagctga gaccatttta tgagctaatc 360

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aagggcatgg cagattaagg ggcaagagac acagctcctc tcacaaaagt gagtccagga 180

ctggtcacaa aaccaggaag aaccgatcac cagctggctt ggggtctgtg agtaagagag 240

ctactaagat tacatcattt ttcaggagtt tcctagtaag gcctactcca aaagcagggg 300

acacctcatg tgatagagga ggggtagaca ttgtgacaaa gttggtagag aagaancang 360

acatagagnc cgtgatggag aaaancaagg attcagagtt caaagatacc ntaatntntg 420

agacnatgga gaagatcatc cttgaaacca aatccattta aagaagatcc agagctggaa 480

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agcaacactt cgttctgatc ttgagagatg ccagaaggag ctggacgatg ccgaggcctg 180

ggggccacac ggactttcct ttccttggtt cgtgggccaa ggtctgagtg cccggcggcg 240

ccggcagctt gcactgttct tggcacgcag gcacnttaag aacntggagg caactcactn 300

cantccactg gagcctgagg acttccaatt gccctggaga ctatagccan ngntantgtg 360

antcatgcat tngggcatnt ntanacgttc tagntccccc caactgttcn tntccttana 420

tntatacagn aaagctggcc gtgctgggga tcttggtgtn tgggagagta ggcagtatnt 480

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ccccgtttcc ggggtgatct taaaacaaaa aataacacga tatttacaac tctcactgga 180

tttaacagtg tggattcttg tagaaacttc aaaaggcagg tggcttcccc ccacccccaa 240

cacacactcc ctttttggg ggcaaacata taccattttg tacatcagcc acggggtgga 300

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agccgtgcac tgagccagcc tggggctaaa actcagtaga tgcaggcttt gcagatacaa 240

aggtttcttt ttctgaattt acaattactg tgaatattta acaaacacgt ggtctaaggt 300

gagtgcagca gtcgcccacc cgtgaaagat cctgtacttt tctaaaatgt attttccaat 360

gttaagttnt ctgccctcac tggccaggtt ccatgattna ggtagacttg cgttttaaag 420

antcaaacac tatcaactga gnccctcgta gggtgttgac ctttgccctg gtgctgccct 480

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ganactctta tgtanaaatn ntnaacngta cgnagacttc aaagtctggn ttccttcaaa 240

actactatac acacacacac acacacacac acacacacac acacacacac acncacacat 300

atatatattt tagcttngac nnacacnaaa gtggtaataa agagancccct cctcaacccn 360

aaatgtganc cacctgtggc atcccttcct cttnnacaaa ccnacagacn naantctctt 420

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ggtaaantng aganatntac ccataantcc tgagagaata aggaggagga atttagnttt 180

ntntccagca gnatgaggta ccaactgaaa ggaagagggc tantttgggn tcctgagagt 240

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tntggcctct ntgaagaacc attcagaaaa agaactgcag agtgganccc tcgagaaaga 300

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tccttgacta gaaacactga tgtttttgat gttagtgttt tttttcttag ctttagaaat 240

cctggtatta aaaagagtgt aatcacacca cataaatttc ctttagatga tntgcgggga 300

aactgattgg gantgcnagg antgactgta ggagggacnc tctgatcact gataagcttt 360

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ggagtttcaa nccacagagn ccagantnga cccgcagntn tcagaantnt gggggntntg 180

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<223> n is a, c, g, or t

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tagtgatctc ctgtggccca gagggcagct ctgaatggaa gccaggatcc ctacaaagat 180

ctcaaaacaa gatcatctct accacagctg gagggcagtc tgttacattt catctatttg 240

accatgtgac ggtaagaatt tctgtccagg cctcgcgctg ccactctgat acaatcaggc 300

ttgaaatagt aancnacnan ccatacatga tcccanacac agaactctnt caccagagct 360

ccctgctgaa gagtgantta gtgaaggaag taacccgatn ctgtggagga agcgcagctt 420

gcacaagaan tcaaaggcaa ggtgattcag gaagagcatc aagaatactn ccagacaaag 480

ggaagaagtc tgtacacact tctggaggag ataagggacc tagctcttct ggatg 535

<210> 8402
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (182)..(182)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (397)..(397)
<223> n is a, c, g, or t

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<222> (401)..(401)
<223> n is a, c, g, or t

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<222> (450)..(450)
<223> n is a, c, g, or t

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ggcgtggctg ggcagcactg tgggcagacc agaaggaggc aggctgactg acttctgcac 120

tgncgttgtc ccactgtggt gttncggggc cgggggtcga cagcccactg ctgccttggg 180

gncggcagaa ccacatagtg cggctagaga caggagttca gagtcagtgc ctggcaccgt 240

aggcaccctg cccactggta gtgactagcg gtcactgggg cagaaggtct gagccctgtg 300

ggctctgtag acacttggtg tcccctggcn accattgagt cctcaccatc tgnntcaggn 360

gtgacagaga gaatgacaac atacatttaa gagggangca naagagacgg ggagggtggg 420

tgcgccatct tcctttcctg ggtcaggggn cctgggcgga tggtcagggc cccctggggg 480

gtcctgagtg cccagccacc cttgttcatt tttgaacagt gtcccaatca cacaaagaaa 540

gacaaacact agggatctgt gcatgcccc 569

<210> 8403
<211> 470
<212> DNA
<213> Mus musculus

<400> 8403
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taagatatgt atatatttta cctttataaa atatatatat atacacatat atgtatctat 120

atccctttgt ttgtctgcta aaactggcca tgaaagaggg agctgccttc aatctgtagt 180

ttaagaagat gccagggagc atcataaacg gaggctattg tatattaatt tagacttttt 240

cactaaaaag aacatgaatg aatttgcttg ccgaaggagg aaccagttct ctagactcca 300

tgctcactct acaaggccag ctttggtcaa gctgccactg gggcctgaag agctgactct 360

gtcctacctt attccactaa agtaccatct tgataatttc cccttaaaaa atattctcaa 420

aaatgtactg gaaagtgggt ggcaggagct tgtacagttc agcttccaac 470

<210> 8404
<211> 451
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (342)..(342)
<223> n is a, c, g, or t

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ataagaattg ctgatgaata gatatgtatt ttaaggattt atgatagata tgactgcttt 120

tcatataaaa gtttagattt gtgattcttt naagattctc acnatattac tttaaagata 180

aataataana taactactct tttctttgta accacnaatt gcatcctgcc agtaagagna 240

acnggctgan caaactcccn tgcttactca cactttgtta atctataaca agttgctnag 300

ttacgaatgt atgtggcttn gggggaataa tttgttttct tnacctgtac tatctaatgt 360

tatttcttgt aaaggtattg gaaaacccat tgtattttca taaccattta ctagaagaaa 420

actaaaacct cagcacattg taattgtata t 451

<210> 8405
<211> 371
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

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tcacactgaa cgctggcttc tgtttgaggc tgaagtccca gatcactgtt tgccagtaat 120

tgaagcgcag ccagatatgt gtcttcgctg cccaaactag tagactcccc gtgtgcggct 180

gagaggctgg ggcagctcag ccaagagcac agatcccact taggatacca ttgctttgtt 240

gctggcctgc tgctcttaaa cactggccta tctactgcaa atatgcctct gagaatagta 300

cagaaaacat ctggagataa ccaacacagc tcagcaaaac tgaagaggtc tacaaatttg 360

cttcctgctt g 371

<210> 8406
<211> 541
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acatgacaga acccggtctc cacagtaaaa gttgtgggta aacttctcag tgctttgatg 120

actntnnnnn nnnannnttt nnntnnnnnn nnnnnnttnn nntntnnnac nnnnaacctn 180

cagtcacaaa tgntggaatn tgctttataa ggcaatagga aaaagacaga agccaaaata 240

caaggattct actcaagcct tctggaaagg actgtgtnnc cnttgannnc atggagcaaa 300

gaattnttag attttcntnc cancccctng aaaccggacc tgtgatntca agttgggttt 360

tgttgttgtt tgttttaacc tgccatgaga tgggttgaca ggatcaatca ttttacacca 420

tgatcccttn tccctgggag gactntntga gacattagag aaatgggata cagacttcct 480

cactgggctg ggggagctgg ntcaggtgca gagtacttgc cacgatatga agatccactt 540

t 541

<210> 8407
<211> 266
<212> DNA
<213> Mus musculus

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tcagattctg tttgcactga gtgcttggag taagaaggga tgggctactg cttcagcaaa 120

ctggtgatgc agttaatgga agagagtacg tttgtacatt tgaatgccca agttccgtta 180

ccttccaagc aggggaacaa aagtgaaatt ttgttatgac taacaaaatg tttactatgc 240

agccattttg tggcaataag acagat 266

<210> 8408
<211> 336
<212> DNA
<213> Mus musculus

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<222> (216)..(216)
<223> n is a, c, g, or t

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<222> (265)..(265)
<223> n is a, c, g, or t

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<222> (305)..(305)
<223> n is a, c, g, or t

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<222> (307)..(307)
<223> n is a, c, g, or t

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catgttctcg ccttttttgc tcgagataga ccagcacacc aagaaattct ttctcaggtg 120

ccgatgttct ctgcgcaatg tttcctataa ggataaagac aatattaaga tgaagatgaa 180

ccatctggga ggggcaagat gtcttcttca ggcccntggg agagaagctc caagaagaga 240

ggcagctggt gggagaggag acagntcagt tctggtggag atggtgggag agaggaccca 300

ggaantntgc ccagtgacag cagtttgagg cgacca   336

<210> 8409
<211> 383
<212> DNA
<213> Mus musculus

<220>
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<222> (203)..(203)
<223> n is a, c, g, or t

<220>
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<222> (209)..(209)
<223> n is a, c, g, or t

<220>
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<222> (215)..(215)
<223> n is a, c, g, or t

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<222> (245)..(245)
<223> n is a, c, g, or t

<220>
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<222> (270)..(270)
<223> n is a, c, g, or t

<220>
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<222> (274)..(274)
<223> n is a, c, g, or t

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<222> (286)..(286)
<223> n is a, c, g, or t

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<222> (294)..(294)
<223> n is a, c, g, or t

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<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<400> 8409
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tagcaaggga gctggtcgtg gagtgcggca gagacctctc cacccagaag ccctttctgt 120

gtccccctct gcctcccttc ttccctcctc tttattgaaa ccaatgtgtt cgcagttacc 180

attttcaccc gtgccactcc ttnttgggnt ctggnttgag catccgtggg cagccacagg 240

gaccntccca gccagcacag gcaaaacagn tgantccccc gtgtgntgcc ctgntgctgc 300

ccctcagccc agcagcntgg gctcccagtg ctgaggccct ctgttcaggc ntccgcccac 360

cctgagtgga atggagccat gca 383

<210> 8410
<211> 377
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (305)..(305)
<223> n is a, c, g, or t

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<222> (310)..(310)
<223> n is a, c, g, or t

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<222> (317)..(317)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

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<222> (336)..(336)
<223> n is a, c, g, or t

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<222> (340)..(340)
<223> n is a, c, g, or t

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<222> (349)..(349)
<223> n is a, c, g, or t

<220>
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<222> (352)..(352)
<223> n is a, c, g, or t

<400> 8410
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ccatcccagg agctgttgca ccaattagtc ctccttcgtt ggaacactgt gtaccaagaa 120

cttttagcac cagcttcatt tctttgcaac acctttggaa gactggtctc accatcttct 180

ggttcctaca ccactggcac caacacccca tttataagac agcttgggaa acttgtgttt 240

gtggcgaccc ttgaacttca gctccatcct taaacccatt attagccgtg gtcctntgga 300

caggntgcan tccatgntcc aatcttactg cntctntccn tcatgttant tnacacagag 360

tgatcccctt agatctt 377

<210> 8411
<211> 342
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<400> 8411
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tatatttcca gctctagagt caggctcact agccgtaaaa gaaggnaagc ccagcactca 120

accaaaacag caaatggtct tcaatctttg ctaattgaaa gactgccaac aagttccaga 180

ttgaaaagct ctggccagga cctttgtttg caaaaggcaa aaaacacgga nacaccaaga 240

gttcttcaac attctaagat tctttgggga tcggtaaaga ctaaaagatg aagagctaag 300

gccagcttgt atgcatcgct gctcaccaag ccttaggctg ag 342

<210> 8412
<211> 50
<212> DNA
<213> Mus musculus

<400> 8412
tggagcccgt ccctctgcac tggatagatt tgtacgacga gccagagaag 50

<210> 8413
<211> 175
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

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<222> (53)..(53)
<223> n is a, c, g, or t

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<222> (76)..(76)
<223> n is a, c, g, or t

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<222> (107)..(107)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (126)..(126)
<223> n is a, c, g, or t

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ctagaccctg aacagntcca aagacccatg aaacatcagt gaacggntnt gggagctgag 120

ctgtgntcct ttcaaggcca cttttcacca caaactaatt tgtatgatgg tgaaa 175

<210> 8414
<211> 282
<212> DNA
<213> Mus musculus

<220>
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<222> (33)..(33)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (44)..(44)
<223> n is a, c, g, or t

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<222> (59)..(59)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (80)..(80)
<223> n is a, c, g, or t

<220>
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<222> (114)..(114)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (135)..(135)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (159)..(159)
<223> n is a, c, g, or t

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<222> (174)..(174)
<223> n is a, c, g, or t

<220>
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<222> (245)..(245)
<223> n is a, c, g, or t

<400> 8414
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ggttcacttn atttatactn taagttattt tacttcccct gggacccttt ccantcctcg 120

tttnacattc attcntcttn ggatttgctt tgtgatttng ttgttgttga tgtngttgtt 180

gttgtgtaat gtaacagcac tttaaaaggg cgacaactga ctcacgagat ggcgaccatc 240

ttgancctat ttggggagac ctgtatccgt gacttttgtt tt 282

<210> 8415
<211> 456
<212> DNA
<213> Mus musculus

<400> 8415
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gcgtgagggc ctggacctca ctttcttctc tgaagactgt ttctacttct cagaccgtgg 120

gcatgctgag atggccattg ccctctggaa taacatgctg gaaccagtgg gctggaagac 180

atcctccaat aacttcatat acaacagaac caaactcaag tgcccctcac ctgaaaggcc 240

tttcctctac accctccgga atagtcagct tcttccagac aaggctgaag aaccctccaa 300

tgcactctac tgggcagtgc cagtggcagc aataggtggc ctggcagttg gcatccttgg 360

agtgatgttg tggagaactg tgaaacccgt ccaacaggag gaggaggagg aggacactct 420

tccaaataca agtgtgaccc aggatgctgt atcaga 456

<210> 8416
<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

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aagcagtggg ccactacaac gtggccatcc cctccgatgt ctcccacttc cgcttccatt 120

tctttttcag caacccccctg cggatcctca acatcctttt gctgctggag ggtgccgtca 180

ttgtctacca gctgtactcc ttaatgtcct cagagaagtg gcaccagacc atctccctgg 240

ccctcatcct cttcagcaac tactatgcct tcttcaagct gctccgggac cgcctggtat 300

tgggcaaagc ctactcctac tcagccagcc cccagaggga cctggaccac cggnttctcc 360

tgagtcccag ggtgatcctc canacaacat ccgggcttca cccaggggct tcctggccaa 420

gggctcttgg ggttgggggg gagggatnca aaaaacaaaa acaaaaaaca acaaaaaaaa 480

accaacccac cagagctttg tatttttgtt acgtactgtt tctttctttg at 532

<210> 8417
<211> 389
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (308)..(308)
<223> n is a, c, g, or t

<400> 8417
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tctgccgctt gctcagtccc atactcaagg ccttcgcaca ggcggccacc ttcctccact 120

tagggcagct gccagattca gaggtggcct actcagagaa gttgttccag tttttacagg 180

cctgtgccca agaagaaggg atctttgagt gtgcagaccc aaaccttgct atcagtgcag 240

tctggacgtt caaagatctg ggggtacttc aggagatgcc tagccctaca ggaccccagc 300

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gacagttcat ctgcagttag taccaggtg 389

<210> 8418
<211> 486
<212> DNA
<213> Mus musculus

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ttcactggga acgctattga gccaaatcaa tatttatcgt actatatata tttgtgtact 240

gctaaaatgt atttgaaagc gtgtaatctt nacttntggt gaatcagagc acctaccaat 300

natncagatn cngacttcaa agcanctntt tctctttctg atgaaggcat tntgagactc 360

tgnatgagaa nttctnnaat ntnttttnta tgggatatat atatatatat atatatannc 420

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attntcnnat gtnctgacca nagacttgag atatcacatt ctcagattnc acacttggaa 240

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gtccgaaggc tgtcactact gggaggctga ggtgtccaac tcgtggatgt gcctgggagt 180

cacctaccgt cgcagccctc cgctgagcgg tcgcccccgt cgcaacatcg tctacctgct 240

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aatccctggc tccagagtcc cgtcgtagga atccccgtac agaaaaaccg ctcaccgtat 300

ttcagggatc tacggactgc ccgggaaaaa nggatcgaaa gaggaccctt tggagatgac 360

ccggttttag anccgagcaa attnttcaaa gaagattttn tttccacatc aantnttntt 420

tcctttngga gaatacagnt cctgtntagg ctggatggnt cntnttnttn tccttgacac 480

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tgctcaagcc ctgagttctc tgcctaaaac cctggcagag aatgcaggct tagctgccca 240

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aacagacggc ttagtanatn tgantcatga aggtatatgg gacatactga ggaccaaanc 360

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gccacttatg cgtataaact gccaggacgt gtccttcaag ttctggaaga gagtgctcca 180

ntgcatttca ccatcatctt cacaggatgg aagctatcag tttgtcctat ggtttatttt 240

ntaggaaccc aagctacttt cataatgaaa aaacagagat ggaaaagacg gtgtntgact 300

gctggacaag tagttaccag gtgtgactaa agtatatcct gttgttacat ccattcggct 360

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actattctgc tgttttggaa ggctttccat gacttaactt tggatgaaaa gaaaaaattc 180

ctcttgtttc ttacaggatg tgataggctg catgtgaaag gcctacagaa tgaaggaata 240

gtattccggt gttctgaaac cttcagtgaa gaagataacc caagatcatt gacatgtcac 300

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ctcttgaacc aagtatttgt atttactatg ggaaaggtgt agactccaga ttaggattat 180

nntnntntnn atggactcna agtaattnnt aantnnggnn ngngnaaagt tttnaantac 240

tgtgtatnat naaaggacac aacctgtgaa atatgccact ttactgttta agaattcnat 300

aagaatgact tattcacaga acngatnaca ttcctgatga aatcagcagc actttgtaat 360

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aataccaatt actgctgcct ccttctgccc ttagttccac cagctgccca gggggcccag 180

agcccttcca cttccctccc tcccgccatc tttnccacct tntccacccc gccctcaagc 240

cccctgagcc ccttgctggg gtctccagca tctctntgct anttncctnt ctcncancng 300

actccagccg agacccctnt nctgtntnta ncaggccccn agaaggccca ntaaaattta 360

cntcatatnn taantnaccc ntagngaggc anacancaca aaagantcag agagtggggg 420

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agcacagcag atgnctccac agtagatgca ggaagaccct tgtgtatgta accttgctct 180

gaacatgttc aagacagttt ctcaaagaaa aagacaattc cagctcaaag gttacctgtt 240

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gcaaaggcac tggaatgggg acattcacac ccacctaaag agaa 344

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agccactgca gcaacaggga aagtagagat cggaggtgag ctgcccaccc tccctccagc 180

attttgaatt gntgctcctt ttccagccag ccgaaccaga gccaccagag caggggggaga 240

ggaccagggt gatggggaga agagccatcc atgtggctgt ggagcagcaa aggtgggagg 300

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naacagcatn cagggaaatn nangancnnn tnnagaggca aatggagnca ccaagaatag 180

agatntccca gcaacatttt gatggcagag cccaagatnt ctgtatgggg agagattacc 240

tgttcaacac actcacggga gcccggcgtt ggctgtgagg cggagtagnt gctttantnt 300

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ttgttagaga taatatctat gtttattata tttggatac 159

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agcaaggcct ttacccgttt tttcatactt tatcctcaga aacttcatac tgtagagaaa 180

ctgcacatac aaataacatg tcaaactttt aataatattt caaatctcag tcaacaccaa 240

agaatgaatt cagtaagctt cactgtttga ctttacatct cggcatctaa ggaaagctca 300

accgtatgct tgtttgaatc ggactaactt acagatgtgt ctataggaca tttttcttgg 360

atgttgattg atgcccantc tcacccctgg actggtgntc ctgagtgaat gagaattctg 420

nccaccnaaa atcagaggga gcaagccagt aagcagaatt cctcaatggt ttntacttta 480

gttcctntct caaggttttt cccttgagtt ctcatcctgg ctgaactggt tgacta 536

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gttgtgcaac aattcatgga gatagaaatg atccattcca aaaggaaact aaataaagag 180

tgtactatcg ccttcaaaat gtctaataaa actggcagca ttttgtatat ttaattcaaa 240

tgaagaaatt gacacagatt gtacttgata gtgtatttga caaactgagc caccaagact 300

gcatgttctt aatcctataa tatgcctaca gatgtgaagt gtnctttgag tatccagtat 360

tcattattct tatcacgtca atgtgacaaa tgatttattg gtttcacgtt tcaggatagt 420

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atctttcgtg tacacagcca ccggcagagc gtggaaatca acttacagaa gatcaaggcc 180

aacaagtcga caacctcagt acctctgttg cccaacagtt gtcccttgga tgtatcccat 240

nnnntntgct ccatnggaga cagcaaggta ttnntatntg ggggtntnac cacagccanc 300

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tcctttctct tagccaaaat ctgcttagaa aattgtgcgg aaattatgag actgttagat 180

gatttcggtg ttaacatcnn anggagtcag ggagaagctg gatgccttcc tgctagacaa 240

cttcgtgcca ctaatgtcca ggcctgactt tttgtcttat ctgagcttcg agaagctcat 300

ntcttatttg natnangncc atctgancag gtttccagaa attnagctnt acgagnctnt 360

ncantcttgg ctgcgacatg atagacgacg gtggagacac acagatacca tcattcagaa 420

catcaggttt tntntgatga ctccntccag cntctttgag aagacatcgt aaaaacttgg 480

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ccccgtttag ttgcttaaat tattctatta caggaccaag tcttctattt aaggcactgt 180

attgcctttg ctgggctcat cgttgtttaa acctgaaggc caagagttat gtggactgtg 240

attaatcttc cagacagtat ttccttcctt cctttctanc ttcccnactg nggcgtggca 300

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gggaagaagc agaagctgaa gaagcaggaa gtggacatca tgagccccgc agccatgctg 180

aacctgtatt acattgctcn caatgttgcg gnctgccntg tacctgngag gcttcccctg 240

gccaggggct cccaaaggga aaaggggaa anaataagat ttaggtgata gaattcaaag 300

cacnccttgn tntcaaagaa cagaaagtag gagaatgcat ttaggataa 349

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gggaagaagc agaagctgaa gaagcaggaa gtggacatca tgagccccgc agccatgctg 180

aacctgtatt acattgctcn caatgttgcg gnctgccntg tacctgngag gcttcccctg 240

gccaggggct cccaaaggga aaaggggaa anaataagat ttaggtgata gaattcaaag 300

cacnccttgn tntcaaagaa cagaaagtag gagaatgcat ttaggataan tcaaggactt 360

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cagtgtgcag ccccatggga attaagtgcc cagagagaca tgtgaccctg gagaaatggc 180

atgagactcg gaatcacaga tgagcttgtc cccactgtta gatcccaata caagtggcca 240

tgggtcctca tggcgacngn ngggttgtta tggcttgtat ctttccgtan ccttcctcga 300

gttggctttc acccctatat tccagattct gcccantcta gctgaatata cggtnttgtt 360

cctggttatg ggaaccgaga gtttgcctgg gctntgaggg ctgtatcact tcccttccat 420

cacggaaccg gttctcagcc tgtttcattt cctgctgagg tccttggatg tggcccccag 480

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cantntcccc tggacagctg atggcccctg gaccgggaaa ggtccgaaag cgancaaaca 180

aggataccaa ggacgaagag tgntgagggn ccgtggccca aacntgctag gntccttccn 240

tcctcagcag ccagcgccca acacacccta gagcatttat gtgaacctgg acttgctttg 300

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gaggaggcct ntatggacct ggtgaaagac nccnagatct gtnccttcct gctgcncaag 180

aaacgctttg gccagtggac caagctgctn tgcgtcatca aagacaccaa gctgctgtgc 240

tataaaagtt ccaaggacca gcancctcag atggagctnc cgctgcaggg ctgcagtatc 300

acatacatcc cgagagacan caagaagaag aaacacnanc tgaaaatcac ccancaaggc 360

acagaccctc tggttcnagc tgttcagagc aaggaacagg ctgagcagtg gttgaaggta 420

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ttttccaaaa tacaaggttt cactaaccac ctgggaagct tagagtttta aatataaact 180

cagacatgcg ctgtaaccca gattaaagtt ttaaatatct actcagacat gcgttgcaac 240

ccagattcta ggtaaaaaca cctccccccnc caacctgagg gaatatttat tgcagacttt 300

ttnttcagcn atatnagtgt tnanatagaa gttggacaat tggntcttna aacattnatt 360

tgtacaaaga atnatatatn aacgtgaaga tttntnattt aatttactna ccacatnnac 420

ggtacnaatn atttagaagt catactgtaa ttttgctcga antcnaaggg aggggagaca 480

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aaacccacca tcactggaag cggaaaatcg aagcaaaata cgttgaaaag gaatgtgctc 120

aaaaggaaac atgtccagtg tgtactcgag ataagagatg tatttggtgc cgagaagaaa 180

aggtttgcaa aaagtactgt tttccatatt ctgattgtaa attcaattct atattttggg 240

caaactgtaa tgttgacctg tttggaatng tgatgctgat actgattgta atattagcac 300

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tggtgcaact tgtggccctg gaaaatactg taaaaatcaa agatgtgttc ttcatcaaac 120

tttgaaattt aattgcaaca ttagttcatg taacttcaga ggggtgtgta acaaccaggg 180

caactgtcac tgtgttcaag gttggcaacc accaaaatgt ttacaaagag gaaaaggtgg 240

tagtgtaaac agtggcccta taactaaccc tctgaagaga tatcgagcca aaatacatgt 300

gagtntnaac aagctattaa ttattttagg tgntcgcatt tttnttntng tggctttgat 360

tatttttggt ncacntnnca aaagcagtat tacgtccaga agtgcccc 408

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ggctgtggta tcttcgatgc tcaccgtccc gttgggcttg aggataagan ccccagccta 120

ggatgagntg ccacccatag tgnnccgntn ttcccanttn tttcancaca atcaggaaaa 180

tacccacagg tgtgcccaga gntccagntc caagttgaca atgaccacca agcaagcaca 240

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gtcacaccat gntcttggac tacccagctt ttcaaaccat gagctta 347

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tcttcaagca tttggggaag gnccatgatt cctgaggaag aagggagaag agaatgntnt 120

aagatggaac caggtgtncc agaaaagact tgaagacacc tntggagaca tntgggagaa 180

tgcatggtaa aacggcagtg ttagcaaaca gtagctatca ctactactgt ggaatgaaag 240

tgacgagaaa ccattaaaac cctcat 266

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agtggttttt tcagtagaga ccggtcactt cacccataca tgaaaaatgt ttgggcattg 120

ttgattacac tgtaataaaa taccttg 147

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gatgctgccc ctgtgttctg gaaccaaaga aaacctgtat cctgctttgg tggtttatct 120

gtgtgcatcc catgggtgac ttctgaggca tggcttacat accttgaaga actgcaaaac 180

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tgactggagt ctgtagacca tgttcctcgg g 271

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<212> DNA
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cagcattcag actcatgccg gacgggcagc ctcaaaagca ctcagttcaa cccctgcagt 120

gggtgactct ccagaaaacc actctggctc tgtggaaagc tctccaggga gcctaaagaa 180

agaagatgtt tctaatagcc gtgctgaagc cacggccaag gacaagagtc agggagccat 240

agaccagctc tctttcattt tgtcccccca gcaccagatt tctcagaagc tctacatccc 300

tcgaagtac 309

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gaactgggct tgcatgaggg ctcgctgccc acctctcctc tgggatcgat agctaccagg 120

tttctggaag aggaggagct gaggtctcac catattctag agcgcctgga cgcccacatt 180

gaagaactga aaagagagag tgagaagacg gtgaggcagt tcacagccct cgtgtanccc 240

tgcacagcca cagacggaag actggattat aaagttgtaa tgaagcaatg ctcncaaggg 300

cggcactgag gagtctngca gactgggcac ttgggtattt tcactgcgtt gtgtggagga 360

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gagcttggtg acatgtttgc tgctttgtgt gctagaggct gcaaagctta ngcatccgca 120

aacagaaaca gggctttctg cccagcctgt gaaactcctg gtgtgggtgc tgggcctagc 180

tacagggcat cctcctgtgc ctggcctccg ttattcagca cgagctgccc tataggcttt 240

gaggaaacca aattgcacgt actgggttct cctccagccc ttgggtatag ggtctctgtg 300

cacttgagcc aggaacctag tcgcatctct tccacattcc actcaaagca tgggtccctg 360

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gaagctggtg gtcagataca ccccaaaagt cctggaagag atggaggctc gtttcgagaa 180

gctgcggaca gctcggcgtc gacagcagca gcagttgctc attcagcagc agcaacagca 240

gcagcaacaa caaccacaac aaaaccacat gtcatanngc gctcgaagga aagctagcag 300

gtcaatcatc cgccagtcac aaatttggaa cccgtgctcc ggaatcccag cacacagaaa 360

aagggaaaga aaacaccagt aatgacaccc ntcacaaagc tgtgaacaca tggtgtatcc 420

attngttacc aaggcaattc agtatnttcn tcctntgggc accagccccc cattcattgc 480

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atcctaaagt tctgtatgac acagtccccg tgatgtggct aaagnccatg caaaaagtca 120

gacataccca aacgaccaag ttatgttgct ccactgtata agacaagcga gaggaggggn 180

acactctcca ccactggcca ctccacaaat ttcgtgattg ccatgattct tccctctgnc 240

cancccaagg aacactggat tggacggggt gtggcactgc tgtgtcaact aaactcataa 300

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ccaccaccac agggccctaa agggaacagc aatggagnca agcattgatc aggaaggaaa 180

atgaatgtca aaagcaaanc aacaatcaaa atccctgtat gaacaaancg gtaaatggtc 240

acgtgatcgc tgagaacgtt ttctattgta ctaaaattgt gattataaga aatantccna 300

atgtttctgg agaattttca gtgttgtata tagaaaatac agaatttcat ggcgatatta 360

gaaatntaaa tattgtacaa tattntcatg tacaagcata cttaatgcac actttatctt 420

ttattgtaca aagaaatagt gtacnaaaat ctttggtttn tatggagtac acctaccaga 480

gactaccagt gtaaagtgat aaataaaaat acaacctaaa tgcttttcta tga 533

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cagacactgt gcaatgcatg ttttctcact taaaaacatt tttttggggg gtgggggtgg 180

aaggaggtgg ggagggtctc actctgtagc cctggctaac ctggaactca ctatgtagtc 240

taggctagtc ttcagttcag agatctgccg ggtttgcttc aagcactggg attaaaggcg 300

tgcaccaccn anaccctgct gttttcncac ttttttttth ttttttttth ttttnaagga 360

aaggnaagag gaagggagag tgggggggagc atgttggagt aacaagtcct gatatcccct 420

tcttggncca cccttancnt ntnttcctca ggtcctcaat cccatgtttt cacacttttt 480

aacgttcctt ttacttagtg ttagacaagt aaacttgatg ttgattttcc aaaagattga 540

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ttattggatt taactccggc tttggtctca aagatacatg gctgagctct ctaccccggt 120

tacagtctct ccgagtgcca gcattcttca ctgagagcag tgagtacggc tgtgtgatgg 180

acgatcagac tatggcggtg gccaccggag ggggcaccag ctcgccacag cccaacccct 240

tccgctcccc atnncncnnn nnannnnctn ncnnnnnnnn nnncnggtac tgcaacgcct 300

tcatcttcca tttggtctac aagcntcccc aaggcggcac antccgntcg gntcccggcc 360

ctgcacctag acccccaant cccnntgcac ntcctntccc ggntcgaagn cgccgaggag 420

aaaagaaagc tgcacgcggg ccccnccggc gcagatgaga gcggacttgg canccgtcca 480

ttcccaagca tgcnccctaa aggaaaacat tccaaggccc agggaagact gattgtcgga 540

acacaaa 547

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ccccgctgga actgttgcag cctctctcag gcctggtgga tggtagggta ntatttctct 180

ccccctcccc accttccata gcaggtgccc ttagangtcc gctagggcta agccctantt 240

ctactcccag anctgcctct tngagagctg gctatagccc cattcccagt cancagtatt 300

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ggttcattta gaatgcctca gtgaccttat ttatttattt atttttgccc agcagcctta 120

tctagtgtga tataatgtat tttaattaga ttgtttatga gctatgcatt ctgttactag 180

aagcaaatgt gtccttttgg atttggtatc tgttccttaa ataagaagtc ataacagcca 240

gactgtgaaa caggcaacca gtcctctgca cagttggggg ggtgggtatt accattaaan 300

tttgagcagn tcgtttntgn cccagaagaa aggaccttag gctnggcttt atnaactatt 360

ttcagatttt aagtggagac aggataaaac tctgttagat actcttgcgt gtattatgtt 420

ccttctcagt gacttntccc tttcttttga acatgggtga ncctanaaat nccnacgggt 480

gtgaacctnt tccagagcag agctgttgca ccagagtgaa gatgttcagt gcgctcaagc 540

gctgatgtgt tcattat 557

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<212> DNA
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tcagccttta aaccctggat aaaaaatgga gtggctgttt cttttgttcc caagcctggg 120

cctctgaaca aaagcatcga ctacatgagc ttcaatgtct tcaagaagga aactgacccc 180

catccctgta tccacacaga catgcatgct gtgttagagc cccacatgga aagctctaag 240

aagacccagg cctcctgtga cccctgtcta ccccctgggc ccaagactgg agcctgtg 298

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nnnnnnnnnn nnnctgggcc acaggctncc caccaccttc aaacacctgc ggatcttagc 120

caagggggac acccactggc cccatntccc tgaagatcac cagaagctnt aagctagcgg 180

ctantcttgg ctgttggaca taaaggancc agcaataccn tcntgggaag gccanccttc 240

cctgaatgga gattgatgct gcttntccca gggaccacat cntntctatt cctaaacaac 300

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atcttccaac atgttagtga tttcacaagc ttctgagatc tagttgtaga gtacttcctg 180

tttaatgttt aataggacta atatatttca gcaggtattt ctgaggttag ttagaactcc 240

tttcatacac acaaataagt ctgttacctt attagaactt cgcccagatg tccagacagc 300

gccccatcta tgtactcttc tgtatttgca ancttngac anaaaganag gtattagtat 360

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actgatgtga atcaagctgt aagcagcatg gctgtactgc cgggggntct agggaaggct 180

gccacaagtg tctcccaggt tctgatggcc cacttaccct tggctagagt catctgctgt 240

ccaagaagca gaacctgatg aataggttcc acagggctct ggtctagcca ggaatgccgg 300

aagtgttaaa ggccctagaa gagaagtgag gaggtttggg aggcctgcgc aggacaggta 360

gcagagntnt nttcctgtga atggtcagct acggcagcat cgatagcaac agccacagtg 420

gcagcaccag tggcaggtgc cacagggtcg gcagcgtgaa cctggccagc taggcaggtc 480

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cagggacgcc agctccaccc cccagcaccg gtctntaaag tgccaagtcc caggttccac 240

aatcaggccg ctgcttttgt tgatcaaaag agatgcgtgg cagaaagggc cagacngccc 300

cagnantgtg aggntttaca gcctcgccnc ntncncgtnc ncacagagan tcagaannng 360

cnccaaaatn tcctgtggan tcgagctggg aaanttcntc aggggacacc ccccttnct 420

gtagggacta tgttggccga catntcccgg ttatgtgaac agaaaattct ggctcagaat 480

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agaaggcctg cgccacagta ccgaatctaa gtgtatacac ccntatcacc aaatatacca 240

tntggatcaa ggaccaagtg ngccnngggg cgcagctggg gcccntgcag gacctcctgg 300

nttcttctcc tnccctggct gctgcagctc ccagtgagcc ntatgacttc ccntcccntc 360

ttcntnttcc tgttttgcat gntgncntgt ccatatccca cantcagggt ggcaacggaa 420

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cctggtggca ctgagcctga ggtggccttg cacaggggtc ctggccctgg actgcgggac 180

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ctgctgtcct ttgactacag tgtccccgag atcctagatg cggtggccaa tgtggantac 300

tttttcagnt tcaagncccn tggatgatga accaccagtn ccgcatntng ggntccctgc 360

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gtatcnctgt tctgagaatg aaggccangg agcacncccc caatatttca tgggccatgt 180

aacatacant actcttttat ttttcttttc atagcnaagt aaaacattct tatttctcnt 240

atttaaagga taccacnata agctgctgtg tgtggaaggg ctaaaggtcn agatatacgg 300

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cntggagtgg agcaaggcac catntcacat ggagtgcgtn tcagtgccct ttcaantcag 240

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gaacacaagg cagtggctcc actggtgcgt tatctgaagt caaatgacac caatgtgcat 180

cgagctacag ctcaggcctt gtaccagctc tcagaagatg ctgataactg catcactatg 240

cacgagaatg gtgctgtaaa gcttctactg gatatggttg ggtccccaga ccaggatntn 300

caggaagcag ctgctggctg tatatccaat ntccgaagac tngntnttnc tacagaaaag 360

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tgtcctggcc gcgacctgag acctccatga gtggagggaa gagtgatnta tgtctcttcc 240

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ggaattcctg ccaagcacct tgaatgggag gggtccttca agtgggccgg gctggggtcc 360

aacgggggtg ggggaggttc ctgctctgcc ccagctgggt cctacccagt cttgtcctcc 420

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aacntgaaga ttgtcctggc cgcgacctga gacctccatg agtggaggga agagtgatnt 180

atgtctcttc cccccagcag ctgggaccag tcctagcccc gtccccaacc cctttccctt 240

ggggagttgg gggaattcct gccaagcacc ttgaatggga ggggtccttc aagtgggccg 300

ggctggggtc caacgggggt gggggaggtt cctgctctgc cccagctggg tcctacccag 360

tcttgtcctc ccatcctctc atctattccc ccccncccccc tggagacgga agatctttta 420

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agactcaagc ccgagtggca tcttccttgt gtcccttctc tgcaaggtac cagcttcacc 180

cattctccag aactttaaag aaaaaatgta cttgaacaat ttctgatttc taggatgatc 240

tctactgcca gttagatctt cttgaggttt ccatgacatc atacaccaga ggtccattct 300

tggtcctttg ctgccaactg ctcattcttg acttagctct agccatttgt gacaaccacc 360

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gcnngtgatg ctggagccgc gggctgagac tgaggacggc ttngagcgcc acctgggtgt 180

gaacttcctg ggccacttcc tgctgacnct gctgctcctn cccgccttgc gcgcgtcagg 240

ggccgagggg cggggctcgc gngtcgtcac cgtggggtcg gccacacact acgtgggcac 300

cgtggacatn ggccgacctt cacgggcgcc acgcctactc cccgtacgca gcctacgcgc 360

agagcaagct cgccctcgcc ctgttcgccc tacagctgca gcgcatcctg gacgcccgcg 420

gtgacccngt gacctccaac atggccgacc ccggcgtggt cgacaccgag ctgtaccggc 480

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gtgccctgaa gcctgaagag caggtgtgct ggagggagcc gggcactgct cggtggagac 120

actcttctag ctggaaggag gagctcattg caccagcaca ctccgacttc aaggactgaa 180

ggctatcttt taaatgactc cattcagaga gtctgagtca t 221

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ttcttattac ttcaacaaat attgttttga cttgggggggc ggggctataa ccctattttt 180

cattgacttt actgagctct ttaggatgat gactgattat tcaaaacgta ttataacact 240

ttcgtagcaa aaattaacct tttttttcca gtcacagtat ttgtgaaaag taatgagcca 300

tagtacccat taatgttaaa gaatattaaa gcatggagag gancatgagg nacaatgaat 360

tccaacatat ggctttagaa catcaggatg ttcttgtatt ggatatagta tctagtattc 420

aaaaatgcct gcatctctta tttattgtaa gtttttaaat gtataaattg tcttatattt 480

cttaacctct tttataaaaa ttttcctaga aggtttatac tgccttcttg ctttaa 536

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agatntactc ttcagctctt ctcccttccc agaagaaagt gaatgtacaa tttccagtgc 180

agtgcagcgt accaaatgga ngtcacnagc tgacctcccc aaancctntc tgacactcga 240

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agaananngc cgnncctccc ggtaggctcn gttgaaagnc tggccagtaa gaagcacgcc 180

tttaantcca ctttcccant natntgggaa gctgatgttg gggactntcc accctgctgc 240

tttaggttaa aaaacgganc cgtgcactag gcaagcagaa gcaggatctt cacaagtttg 300

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ctggtctgcc tcatgcccac gatccacttc cgtccagcag agagccgaaa gaaaagtgcc 180

aagggcatgt actcctgtcc ctgctattat tatcccaacc gggcaggcag cacagatcga 240

ncctccttng tnataggcat cgatctccga tctggatcca tganatctga tcactggatt 300

aagagggnca ctgctctact gatgagcctg gacagctgat gagctcttnt ntcctccttg 360

agagggtcgg aanccctagg accttgaact aaagctggat ctcaggcttt gactttagct 420

gaatntagca tatagtgaca ctctgacagt acctagtggc gctagcggaa aaggtggaag 480

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tatcccagta tcctctgcgt gtttccaggg gcaaaaccaa aaccaagcaa cttacaaaca 120

tcatgaatga natatgtgga gttggtgtct tttgaggacg tcactgtgaa gttcacctgg 180

gaggagtggc agaatctcaa cgacgctcag aagatgctgt acaggagtgt gatgctggag 240

acatataata gcctgctgtc actggggcaa tgcatcccta aacctgagtt gatctttaaa 300

ttggaacagg gagaggagcc atggacnagc agaagaacct gcanacaaga ntctgccagt 360

attntgcagt gtggatggca taattgagac caaccagaag agtcgagaga gacatttgtg 420

gcaagttact gccagtgncc acaatagaga aactgagcaa gcacgtggac cagaa 475

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gcctgttgtt aaactnagga agtgaagata ttcccgaant caacagtacc ntggactgta 120

aaaatcaaac gctgtgtagt tcggagaata caaatggaga ctgntntgat gttcagaaag 180

tggggctgtg tntnttacnt nttantcaaa ntcntcagca acagacctaa agaaattggg 240

tacaaggaat gca 253

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cgggagcaga cacatntgag gcactntgag ctgtacaggc nctgcaaact gcaggagatg 120

ggctttgtag atatggnccc agagaacaag cccctcantc ttcaagagac gtatgaagcc 180

naaagacacg agttntatgg tgagcgtcag aggaaggaag agcagatgaa gcagatgttt 240

gtgcagcggg tcaaggagaa agaagccatt ctgaaggaag cggaaagaga gcttcaggcc 300

aaatttgagc acctcaaaag aattcatcag gaagagagaa tgaaacttga agnaaagaga 360

agaatnttgg aggaagaatn gnttgctttt nntaagaaga aagctacctn tgagctnttc 420

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cttctcctgg agcgacagaa cctgtctgag gaagtggccc ggctgcgagc ncagttaccc 120

agcatgccac aatctgattg ctgacctgga tgaaacagag tgaaataaat gatttacaaa 180

gagatattta cattcatntn atttgtactt aatgtgccac agtgcaccga aacctcccca 240

gggagacacc accagggact gcaggggggg ctgntcctca tgccatggtc tgtccctgtg 300

ctatggacag ggagtgcttg cttcagcatc aactggctag ggctcgttgg gagtgtgtgn 360

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aaggggaatt agattttaca atgtaacata caaagaaata taactatgac ccgaagggga 120

gagaaacagc ctcctctcag aatcgactgg agctgcaaag agcaccatag agtcatgact 180

cactatactg tgacagctgt cctcatcacc aagatccttt tccctcctca ccctgaaata 240

cgctactgag aagtgagctg aacagggttt ccaactggaa ctgtatttaa gaataagcaa 300

atagactgag gtgaaaaaag aatgctaaat aataaaggta ccatatataa catntcctag 360

acatggntca agtacttcag ntcatantca ggagaaggtg tgacctgcag cagcaccgca 420

atcccctgag gaccttcaga ggactttgat tctgctcaat 460

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gaatggttac agacnaactg gtagaggtct tgctttatga tgttggtgtt gaactagtag 120

tgaatattcn ctgcttaaga gaanttcaag anaatctaaa gncaatggga agattatctt 180

tggaatgttc acttgttgat ataaggccaa ctggcggaag tgacaagtgg acagcaacag 240

cttgtgactg tctntcantg cacctcnctg gagccatagc aaccataatc ttacaggnaa 300

gcaacacaac gtggccatta cctgtgaaaa ttttntnccg agatgaaaaa ggagancgtg 360

ttgatgtttn taaatatttg attaaaaaag gtttggcatt gagagagaga agggcctcct 420

cctcctaaga cattcccaag tantcatntt cattcaacag tcatttaagc cagagcttgt 480

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atggagaatc caggttggct cacaatatgc acaagtaaaa ttcattcttt gggttacgac 180

ttcaggcgct ctgtcttctc gacacaagga agaacgaagc aagtgctgtg tctgcccaga 240

tgtttacaac tgccacgaag tcgtccagtg caacctgcaa gcacccctc ttccttnntt 300

ggctctagct acacaacctt agcttttnag atgagnacga tggttntcca cgaatcctga 360

ctgacctagt gcattntcct cgggtgcagg ntcattggag agtgaatgag gctaatacat 420

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ggggnngaat acagaccctn ttntcntntn ccncatntna ggnacatgcc ctgancctg 180

agcaaagaca aggccaagga gcagcctagt cattaacgtg gttactgtat tcaaagacat 240

cacatatcag attaccccga acaanaaaaa aaaaaaannt nttccctntc cccaaagact 300

ttccacaaac ccagttgtnc aatgaaganc ctactaaaaa tntattcagc accaagaata 360

gaaagatgat accctncctt taacccagtt gattatctga gctatgctgt gtgtgctggc 420

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gccacccagg cttgaggaat cactgtacgc taaccaaagg gaaaacctgg cccttgaaga 180

aaagctagag aacttgccta ccgtggtgta tgaggacctg gagagcatta tgatcatccc 240

agaggaatcc aggctcactc aggaaacaga tgaagactcn caagtcaaag cagagggaca 300

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tttctgtgtg agctcagccc tcatcaaaca tcagagcata catacaggtg aaaagccata 180

tgcatatgat aagtatgggg aagtcttcag tgtgatctca gcactcatca aacatcagag 240

aatccatact ggagaaaagc catataagtg gaagaaatnt ngcnaancct tctatgtgaa 300

ctcantgctt attantnacc ggagnnttca ctctggagna aanccatgtg agtntgggaa 360

tgtagaaaan cattcantca gagtcaaacc gagtgatcac cagagaatcc atactggaga 420

gaaatgctac gagtttgatg agtgtgggga aggtttccga agatactcta accttaccaa 480

acaccaga 488

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agcagcaaga gagagagaga gaatcaaagc ttcagtagac tctgaaggac tcacagagag 120

gtgactgagc taatttcacc ctcccatacc cagttccaca gtgcctgcta gagtatggaa 180

atgccccctc ccatgctaag cacgattcta gtttgtcagt ggctgtattt tctgtttcct 240

gctgctttgg agaacagaat gcattcttta ggcgcaccga tgttgagtga ctcaccgagt 300

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ttgaaatata aattacatca ttcttcctag taaattttat ccataattag tatatatatg 120

tatatatgca tatatattag atatatatat cttaatttga aaaaattttc aaagtggagc 180

ttagtaattg ttcattaata tttattgttc tttgtgtaat tataatttat agaaaggttt 240

gtaagttcna gatatngtat tggaaagtgt gatggtnttt tattatgaat tatnaattga 300

tatatgnatn tgagtcacct tgtatgtgtn aaagaaatac natatgctcc aaatttcnat 360

actgttactt atatgtttnc atgacaattt ttgtgaacac ctaaatttgt tacaaattga 420

ctggttctgc ataaataata agatttgtat aattctgatg agcatttgct cttgtatctn 480

ccaacttaca agtgtatggg atctcaggca ttttttttct c 521

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tcacttctgt aaggcagcta gaaaactagg attttgttct ataaagctga ttctgtttct 120

gcagtccaca tactaattgt tctgttagga tagcataaac atgcatagcc ccaaagggct 180

tctttcctgt ctaaggaatg gcttgggatt ataacagaat tatttctgac tttaatcatg 240

tatgctaagg tcccattgcc tgcgtatcag gcagcaagag agggaagtgc tcacctccca 300

atgtgaggaa gctgagtgca gccagtctgt gctgggcaca aaacccaagg acttctaaag 360

tgggaggact atgcagacac ctaagatttg tttcagaagc anacggaatn tctttgctgc 420

ttttacattc tnttttgtaa tattnttcct taacaccaag gactttgtgc agtgtgcaca 480

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acaaattata aggagcatcc agattcgcag agaagaggaa acagtaatta ctgacaacgc 180

tgcatttgaa atactcaaaa agatactacc tttacaaaac tccagtttct cagggacagg 240

cttcgtattg tcagctgaaa atctncagna nactgagctg cacaaatggn anggcgcagc 300

agcaatcccc nantcccccg ancctctttc acgttcacag gattcagaaa gtgganatat 360

aaatgtgact tctctanaag agacacacaa cacacaaggg gaccaaaanc cagaactatg 420

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gcaaaccgag caggagcagt ctcacagaac accctgg 517

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<212> DNA
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tgaggaaaaa ccagagtcag acagcccacc agggtctccc gcggttgaag agagaccaag 120

ggcaaagaca cctgactggc tcgtgaccat ggagaatggc tttaggtgta tggcctgctg 180

cagggtcttc gccaccatgg aaagcctcca agagcatgtg cagtatggga tcagggaagg 240

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gagcacccag ga 312

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accaaatgtg tagtaggtgg catttaattt ataaaccatc tttattagtt gcacattatt 120

aaacctgtat ttttg 135

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aatttaactg gtagttaggt gaattntntc cccaaaggga aaaccttcnt cctttcttgc 120

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aantttntgt acaggccgac atgcgtgtgg ccgacatgcc tactgctgtc attttctgtg 120

ggtt 124

<210> 8507
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<212> DNA
<213> Mus musculus

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ttaacccctg agggcgcttg ttcaacattt tacaggcatt agctggg 107

<210> 8508
<211> 130
<212> DNA
<213> Mus musculus

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aagcgggacg ggcccaacat ggctgactat tactatgatg tgaacctgtg atgggaaccc 120

cgcataaagc 130

<210> 8509
<211> 85
<212> DNA
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gttcatccac catagtacat accca 85

<210> 8510
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<212> DNA
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tggaaagtat gaaatccgtg gcaatcccac ccttgagaac ntgctatant tntcccanaa 120

attccgttgc agctgttntg cccacctgaa ntgtcaggag agagcngaca tannaagtgt 180

tagcactgtc agtgtgtgta ntntggaaga catttgcatc aattcccttg taatttcaga 240

caaaagcgaa ctacccaagg actggaatcg cccttacttt gttaatagca atcagtcaga 300

tattacatca tntgccacag tgagtccatg tgtgccaaga aa 342

<210> 8512
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agccacacac tacagcatcg cagcagacaa gcatcacagt gcacaagcaa tgttcaacct 180

ggcatatatg tatgaacatg gcttgggtat tgcaaaggac attcacttgg ccagaagatt 240

gtacgacatg gctgctcaga caagcccaga tgctcacata cctgtgttct ttgcccttat 300

gaaactggaa accatgcatc tgctccatga tatcctgttt tttnanttta ccatgaaatg 360

gaaatggctg aaantggaca gcantgttgg accatantgg gatttattgg tgattggcct 420

aattgttgcc atgctnatct tcctgcttag aaatcgccat aggtaggctt tagaccatca 480

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agcaagcgat gtctgactca catagaatcc gaaagtggat catcttggag aaggactttt 180

cgatccaggg tggggagctg ggaccgacat caaaacttaa gagaagtgtg ataacccaga 240

aatacaaagc acagattgac agcatgtact tgtcataatg actgtgacag gagcgtcctc 300

ctgtcctcat gcctccaaca gatcagcctc atctcaatgg agaacntnnt ccccancnng 360

nanncnacac ccccgntgnt ntgnttccaa agaaggcanc ccacagtaga gacaacaanc 420

cttccaggcg taagtggaaa gtggaaagtg gagtganttc atgcagntgt gactggntnt 480

tcctntccta ggantctgta ttcgaaaaga ggtgtgaaca cccagagccc aaaacacctt 540

cctgggagca gcatggaaac ccctcaaat 569

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<212> DNA
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tcagatntna tntgatcaaa gtaaaagagc caaatagaat ttgtgaagta ctttggaagc 120

ccctcaacct tcccagagtg gatgggagca gaggaagatt ccacctcagc aaatatatgg 180

cattgcttgc aataa 195

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aaaggcacca ttacaaagta tatcttttat gatcacattt cttaaagtgt taagattcta 180

tgactcattt ctatgtattt tttttacttt acaaaataac ttgaaacagt atagattttg 240

taacacttaa tttgagca 258

<210> 8516
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<212> DNA
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aaaggcacca ttacaaagta tatcttttat gatcacattt cttaaagtgt taagattcta 180

tgactcattt ctatgtattt tttttacttt acaaaataac ttgaaacagt atagattttg 240

taacacttaa tttgagcann ctttttttt aatcacattg aattatatca agtgcnatgc 300

taccttagga aaaatnatat ttngctgctt cantnttnct ncaaaacatt tnctgtaatg 360

aaggaatttg tatttccaat gtntcttgac ggcattttat aacatttact gctttcttcc 420

taattctgct ctaaagtatt g 441

<210> 8517
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aaacactcct caccacgtgc ctcagtttac cttggagaca tccttctgtc aggctgagca 120

aagtaagaat tttgaanaat aaagctattt tgagtattca gggagaaaaa ctctctggta 180

ctagtttctc cgacttaaca cagctgatta tgtgcctgag tggggttttt ttttttttnc 240

tgaagatata catgaaaaaa atggtctctg atttcaattt caaaaaggtt atgagatgtg 300

gctcagttgg aagagcgctt gcctggcaca cttggagccc tgtgttccat ccccagctac 360

acataaacct ttatggtggt gcaagcctat aaccccggtg cattg 405

<210> 8518
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ctatagtctg tatatagaat gtcagctaaa tgcttactgc actggtacca tagctacttt 120

ggtaccaagt atatgactaa gccaaaatca cttctatcat tttgtgccaa gatacactgc 180

tggtgcctga aatggagcgg tcagtgtttg ggtgcctgct cttacaccac tggggcagtg 240

atgtgtgaga agtctaagtc acgtttcgtc tgattgtgac tcataacttg tagactagtc 300

atgtgcatac agctgtttac atcccatgcc acccactctt catttataca ggcaaatgtc 360

tgaaccgtgt gcagctagct ctattttaac tgcttggcag ccaggatatc ccttgggaaa 420

aaccacataa gagccaaacc ctggcctttc cattttaaat atttttattc agtcccttct 480

ctggttcttt tcctcttact ctgattttcc ttt 513

<210> 8519
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<212> DNA
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<223> n is a, c, g, or t

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aaggggtgca caggaagcgg aggaaaaccc agatgctgac cgtgagtttg atgatgagag 120

cagtgaggac ggtgaaaagc gagaccataa agtcaagtcc agaggagaag acaccggcgc 180

ctccatgaaa caccccaagc atcacaagaa tcgcgcccac tcaagatcat ctagtgagga 240

aaggggctc gggaccaagc accactcacg aggttcccag tcaagaggac atgagcacca 300

ggacaggcag tccagagacc aagagagctg tcacaaggac cgcagccacc gggaagaaaa 360

gagttctcat aggcacagag agnccantca taaagatcac tactggaaga agcatgagca 420

agaagataaa ctgaagggac gagaacagga agaaagacag gacagagaag ggaagaggga 480

aaaatattcc tcaagggaac aagaaagaga tagacaacgg aatgatcacg accgata 537

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aaatcacttt tcatttgtag aaaaactgtt gtaaaagaat gggtatcca 109

<210> 8521
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ctggtttttc aatanaaagt attcagaata ggtccatttc atccagttgg gnaaantgga 120

gagaagtaac acaaatatat ttcactttgc ataaagcaag gtcaaggaac ttaaccctac 180

attcccctcc ctacctcctg tgccatcaag tggagaaagg 220

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cctaaagctg ccctacctaa gaatcacatc ccaagcnnga ctngaccctc atacctgtga 120

acccagacgg tccagaaaca agnttaccag tgantntggg ctcaggaaca nggtgtntgt 180

gcccttggtn cnggggntat tggattggcc taccnacatc ctnaacantn tccantntgc 240

ctgaatgatc ctgagggtat cagaaagccc tacactgttg gtacntgggc cccaacatac 300

tgtgaacgga aatgggcctt ntttcttttc ctataggtta tttgctgaca gttctattaa 360

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<213> Mus musculus

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atgcaaaggc cttaggggat gccctgctag gcttgtccca ggtgatcttc ccagactgcc 180

ctgatgctac ctgactcctg gctgcctctt gcgggaccca tcttcaccta ccacccggtt 240

tctggtgttt ccaccagcct gcttctgtcc ctggggatct ggggttcaga gattgtccag 300

gagaggagtg acaagcgaat tctaatgcca cactattgtt taatgctcct gacttggaac 360

aagaaaggct gctgatactt gtgttcttgc ttagaaccca acttgtttag gtgtcacata 420

aatgcggagg aaaagacaca cagtcacaca ccaaaaaatg gctgcacagt gaatctatga 480

aattgctaca tagcacttgg ttgatattt 509

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gccctgcaag cctctccctg cgccttgatg ccgcagggcg ccttctgctg ctgctggggc 120

ggtgggcggc caggcagctg gaggagccca cgacgaggac nanngatgan gaatgaagac 180

gggaccnnag acgcccccag atcatggcgt ntntgcggaa accgacacat agacgaagga 240

ccttgtatac agagctattt tacagaaatt gcgagtggca ccatggtatt ttttgtggag 300

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aagcccgtta ccggt 375

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<212> DNA
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aagatgaccc tggtgaacca atgcagctgt gaagatcacc caactgcaca gttcctgttg 120

taggtttcgc ataaagta 138

<210> 8526
<211> 321
<212> DNA
<213> Mus musculus

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gtgtctcctt ttgttgtgag tatgcagaag aataaatggg atgcctcaag atccttgaga 120

ttcaaccaag atgcacaaag agaagatgat cagcggcgga tgtctgaaat tacagggcat 180

ctaataaaaa tgagattggg tgatctggac cgagtcaagg caaaggaatc aaaggaattt 240

gcaggaggta tttattctag gcttgaagca caagtcagag cctcagtacc tgtcactgcc 300

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<212> DNA
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agaccttaca gcaggacccc ccctgnacan tgntgacaaa gaaatagcgt gcgaccatct 180

gatagatgac ttactaatgg ctcagaagga aatcctatcc cagcaggaga taatcatgaa 240

gctgaggact gacctcgggg aagctcacag ccggatgtca gacctgagag gggaactaag 300

cgagaagcag aagatggagc tggagcggca ggtggccctg gtgcgacagc agagcgggga 360

nctgagcatn ctgnagnncg aaggtggcgc agacgactgg cctgatggag aagaaggaca 420

gggaactgaa ggtcctcagg gaggcgntca ggtntgggaa gggntccgtg tgacgtgacc 480

accccaaggc cctggccctg gcactggcac agagagggct cagtaaatgc tggctgaa 538

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tanaaatana nnnannnnnn nnnnnantct tttgttattt tgagataaga gtctctactt 240

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ccagactggg cttgaactca caganttcta tanatcttna caggcatttn ggctacttgn 360

attttataca gtttgaacaa ctgaattcta tanataaata taatatttga tttataaata 420

aatatattta taaatatatn aaatataccc aatgacttat gtttctatta aaagagagag 480

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gcaggaggtg aacatcctgc gcgagaggaa ccatcatatt ttgaagctga cagcggagaa 240

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gcaaggccca agcttatntn ttattttata ntcagcgagt tactgagaat ggacattcga 240

aantcttgcn tcccgagntc ctntccaata gccagcaccc cagtaaggag actgatgcnt 300

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aaacaacctg gaatgnttaa aagacacant gagccacctg accttccagt ggtccttcac 180

aattcaccaa gagcagaaaa gggacataaa cacatggatt ttatacagca atntcntcct 240

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aaggccagac ctcatgtccc aacctcaagc tcatgagcag cctgccagcc cctgagccct 180

gcctgtagag ggcacatggg caggggatac antntantcc actgcccaca ggtgaaggtg 240

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tcataaattc gttagactca cagaattcct cctctgctca ataacctaca acggttccac 180

agaacctgag atgggcctct gggtccctcc ctcccccttt taactgcatc cagtctcaca 240

gcatacaacn ccatnaactc taangccntn aganncaggt naagctccna gcatcccggg 300

ccgantcact ccnatagggg ntnnacacca cagatgtttt tnctnggagg nctgaagggt 360

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gtgactgcaa aatgcaggct gagtatcttg gcaaatccct cctgccctac ttggcatgac 180

atctagactg ggtacaagcc accggtcctg gntctgtgac ccctccactt gctgacttcc 240

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gaactctntg ctctttctgt nctcacatct ggatacnata gacgattatg aggattcacc 240

anctctttg tgtttacctt ttctacatgt taagctctgc agtagctttg aaactgtaat 300

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catctggaca agctaacagg ctgcatctga cgtccgtcaa cctggccatc ctagaagttc 240

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aaaccaaatt ttaaatgtgt gcctacatgg aagagctttt cctttntcag atattnaact 360

atatcatgcc acatttgncc aacaattcct aacaacattt atgagaatta tgccaagaac 420

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gctggaggag caagtctata aggaactnca gtcanaggac tttnagctag aggaggangn 180

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gaggagggga agcagctcca ttcagccttg ggcactactt caaccaagtg tggcatgagc 360

ggactntctg ttgttnaaac agaacaacaa caacacaatg aaaacgaagc actttcacta 420

aaactggctc acctcatcta ggttagggta cctntcgttg agtttattag acagttagag 480

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nnnnnnnnnn nnnnnnnnnn nnnnnntntn ntnnanntcn nttnnctnnn nanngaagat 180

ttgancaaga cantggaacc cnagcctgag gnantccagt ccacgtgaca aggggacaat 240

gttcaggant ccgagttttt taaaagcctg gaaatcacaa cagccgntca gntctgantn 300

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ccacctgaga gcattccnta gaatncntgc tnttcaaggn tcctttntta gcctcatttt 180

ttntgntcca gacagctgcn tcagagacat ttgtaaaggg agcanccttg tagaccacta 240

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ttcaggatca acattatgcn ttctgaattg gatgcatatt cctaactact gtatttgtta 120

ccnaaagtgg ttntacaaat gctactgaaa aaaatctgga aattcctaat ttcctgag 178

<210> 8542
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tggtttcttg ttntgaagtt aaaatttcaa agtntntgat cctggcttaa tgtcantcaa 120

gaacttacaa aagcaaagtt aaaacctgcc cttctaacaa actgcttatt taggctttt 179

<210> 8543
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agtaaactga ccatggtgca tagtggcccc aggtaccctg tgactgatgg gcctagtaca 180

gggtaaggct gcctcagtca tccttgccac tccaatccaa ggttgctgca gggctttgag 240

ctcaggaact gatagaaagc cctacagact gggaccacca ctcccacact agcccagacg 300

ggacacacct cccagttccc accctcaacc tacacagctt ttttgacagc ctggcctgtt 360

tgtttgtaac ttgatgcagc atcgctctgt cttgtgatga cctctgtact taangggtgc 420

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aaactgcagg accaactgga gagccaggac gtgcctgagt tgctgcgaca catagcagac 120

cgagagttcc tggccacgct agaaggaaag ctgcccctat acaacacccg catccttctg 180

cccnnnnncn nnnncnngnn nnnntnnntn gatgaagagg agagtgagga tgatgaccgt 240

gatgtggtga cccgcgctgc cttcaagctc cgttcccaga agttaatcga agcccgcagc 300

aagaagcgca ataggttgcg cagatcttag actcgcagtc aagtcctatc ggatgcctcc 360

gggactctag ggagccctcc gaccctctgg gtccacctac gggtggtgtg tgtctgggag 420

ccccggaggc tccttcaagg gcttggagga a 451

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gcttgccatc ctggttgcta ttctaagaat aattaggagg agnaacctag ccaattgcag 180

ctcatgtccg tgggtgtgtg cacgggtgca tatgttngaa ggggtgcctn tccccttggg 240

gacagaagga aaatgaaagg cccctctgct caccctggcc atttacggga ggctntgctg 300

gttccacggt gtctgtgcag gatcctgaaa ctgactcgct ggacagaaac gagacttggc 360

ggcaccatga gaatggagag agagagagca aagaaagaaa cagcctttaa aagaactttc 420

taagggtggt ttttgaacct cgctggacct tgtatgtgtg caca 464

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catctctgag taggaccaga gtgaacaact gtgcgtgttg taagcctccc gggacgcatt 120

tgagatgact ccggctgagt aagactagaa cagaaactgt taactctttt tacccaggag 180

aaaaaggaac actacctgca gtcagaacac aggacctcct ctggggtgtc aggaaactcc 240

acaacatcat ccaaaaa 257

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<212> DNA
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gggcctggac atgagtgccc aggagacccc acagggtcga agattcccca ttgaggccgg 120

agactcccct ggccttgcct ccgcccccga gtcccaggat agcccggagc ctgtagctac 180

ggatcaaaac cctgtcaggc cg 202

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gacttcaggg attagcgatt ttgatgattt tttgagacca gctctttgag tagttgagac 120

ctaaggcttt gactacttta ttgaataatg aaacctttcg ttgtgtttaa aattagagga 180

gggagccagg ggaatattat tcttttagga agctataaga tctggagata ggtggaggat 240

ttagattctg taagggttct cttggaagaa gacagcattc atttgtacag ggacataacn 300

ccnaaatgac attggggaag ttatttcttt tcaatatatt tgatttttgt agagaggcta 360

tcttttattg gagncagtnc cttccnaatg ccccttttaag acccctttan agcttcangg 420

cnaaacctat tcccagctag acattaatnn tnttcatatt catacacttt tcagtgagtc 480

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gggttatctt ttgtaaccag caccaaatca agaagaaata tnaccnannt ccgagaagcc 120

acccatgagc cctttcntgc cagcantntc ntcaagaggg antcncagaa tatntantnt 180

cttntntcta gcttcctttg tttgaattac ttaagcaaga ntcgggctta atgtatataa 240

agcttgccta tttattatta ttactgtntc ctagtacatt gtgaaaattg tccataattt 300

gcttttctg 309

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aaactagaac tgcctaccct ggaagagaac gggatctgtg aggacagaga ttgtccgggg 120

ccccctaggt cattgcctcc aaagtccggc ccaaacgcca agggtcaggc tggcgatgga 180

cctggactgg agtccgtaga gctgcccctg cccctggaga cagaacaccg caacgcgatg 240

gagctggaga aggtgcgcat ggagtttgan ctgacgctcc tcaagtacct gcaccaggag 300

aacgagcggc agaggcagca tnaggannnt gatggagcag ctgcancagc agcagcagca 360

gcagcaggct ttgcctcncc agttctcagg aagcctccag gacctcttgc tcccccagaa 420

ccaattcgcc atgttcttct actgcttcat cttcatccac atcatctacg ttgccaagga 480

g 481

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gtagcagcta acangggggc cagttgcctt tactctattt tctatgatga atacttgtgg 180

agaaactgtg acaaatccat tgatcctaat atttttatt gttggagtct tgtggcttct 240

cgaaataatt tctatttgat tgtactgtgt agaattcata cncnctaggg atatgttaat 300

aaagctaaaa tgcatagtat aatatagaat agcaaaaaaa ntttttgtga acaatttata 360

tagaagagta agttgttttt taagtgttag gccatttctt ttaggaactt aaaatgttat 420

aagagttttt taaacattca atatttttaa ttataagaga catttgttac tagagctaat 480

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tcgcggagaa cgaacaccat aaagaaacca acgggcagtc cagttatagg tggaaattgg 120

tcccacccgg agtggagaga gccggcttct gattggccag agaagtgccc ctagaccctc 180

attggaagaa gtggccgcct ctctttggca tagagctgtg aaggaagagc tcagaaagag 240

ccatcttcga cagcctggga attatttaaa tgacttacac aatatatttt ttaaatcaca 300

cctttgcttg ggacacctta tattagaaga ttgaagtacg ggncctcncc ttccaaaata 360

aggatcaaca tgctaaagat caacaaataa gggctcttgg attcccttgc 410

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caagaaatta tgaagcaaag agaccggaaa ctgaccaaac aaaccaaacc ctatgaaata 120

attctgtcag aaaaagaaag tggctcagaa aagaaatgtg ggttcttcga gctgaaaccc 180

agcaccgcac caaatgctaa gtgaactcgg tgtagaagag ttttcttaga gtcagtctgc 240

agccattttt aaaaaggagt tgctattttg gcacccatta gtagtcacag catagtctta 300

aa 302

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<212> DNA
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agcgattaac aagagagctc aagaaagctt ttgggcagct gcaagttcga gtattaaaag 120

aaggggatga agaagttaat ccaaatgctg acagctgtgt catctgcttt gaagcctata 180

agcctaatga aatagttcgg attctcactt gcaaacattt tttccacaag aattgcattg 240

acccctggat tctagcccac ggcacatgcc 270

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<211> 451
<212> DNA
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tacagggttt ggaaaccagc caacactaga atctgcactt gtgactgagc aggggtacgg 180

acaacagcta acagtctact tgagctgcac tgcggctcag aagatcactt cccggagaaa 240

attcaccttg gagtccgaca tatctcacct ttggaagcta gaaacaactt ctaatttcct 300

tcactggaac aatgggtaaa aagccctctt gtaagctagt gggggccaat cagaccaaat 360

gtggcagaat gtagaacacc tggttggtgg gacgggaagt caggatttat tgggttgcgg 420

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agctgtantg ccgccttanc cgagtgagct ctagccagga tgcttggcac cgccagcccc 120

cntcacctca agcatccacc tagaatccan cnangatntn atntccagct ttantaatag 180

tgaccttntg gncaagatgg aagattagag ctttaattat gtaaagaanc aaaaagtaat 240

tgcaataacg atttggaaac atga 264

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gttcagagtg cttcacagct gtgtcccaca cttccccctg tggtctgcag aacccagctc 120

tcaactgtgt tcatcaaact cctcagtgat ccccatcgat aggcccagca gc 172

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aagtatgtcc tgctctgctg gagcggtctg ctcccagccg tgatgatgaa tgcaggaa 118

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ccccttttctt ctganaggga gtgaagggcc ccagcaggct gaccattgca cacacagcgg 180

agcatagcag acatggcact gacaggtttt gtcgtttacc cctctccccc actnanctgt 240

tangctngat cctgaagctc acnaccaagn tctggcccct tattcagtca ctgantcatt 300

cctgagaccg agcaccaagg tctagctatc agaattcagt atttcgacta acctaactaa 360

cataaccaac cagatcttac cagcacgttc tcgctcactn taagacagag ctccccctttt 420

cctcttacga ttaacacctg caaagctatt tactgttgtt tctg 464

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ggtacatgga agggcaagtc ctccacttgc agaagcaaat agaagaacag gccgagaacg 120

ctcaggacag tggggtggag atactcaagg ccttggagac ccttgtggct caaaatacca 180

ccggccccgt cttctacccg aggctctacc atctgatggc ctatgtctgc atactaatgg 240

gagacgggca cagctgtgac ttcttcctga acacagcctt ggagctttnt gagacacatg 300

ggaatttgct ggagaaatgt tggctaagcn tgngcaagga atgntgntan tcagcntccg 360

agttaacngg agatcaatgg cttcagacan tnttgattnt tccatcatgg gataaaattg 420

tatcaggcaa ggtaaccctt caggatgttc aaaagaacaa gtacctgatg agagttaaca 480

ttctggacaa tccttt 496

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<212> DNA
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cganacccna tcccaagtgg tcaatacact ctgtaggtca tgngtaggtg tgaatgtgta 180

tgtatgcatg tataaaacaa canttctaga ggagattatn cactttggan tcatagatac 240

aggaggagct ggagagggaa gaaggaggca tgggaatgag gtaaataca 289

<210> 8564
<211> 309
<212> DNA
<213> Mus musculus

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caagctgcca atccatagga cgacggtgga ggctgaaaga gtaggaagag aaaggctgcc 120

atcagtccca gtgcctgtgg gctccacaga gggaacatac ataggccctt acagtttaaa 180

agtggactta actagccagc ctctacttgg gtagaaaaca gccacccaac cagacatact 240

caaagacagc atggaagaat gaatctactt aaagggaagc ttttgtttct aaattacggt 300

ctcactctg 309

<210> 8565
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<212> DNA
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ctggtctttg acaacatggg tgnttacacc gtggacacaa agtccctcct tgggggggacc 180

caggcccgca gagtcactta tgccatgtcc cggntagcct gggaagcgct tcgagggcag 240

ctgttgcctg cagaagaaga ccaggacgcc gagggtgtgt gcaaacctct gtcctgcggc 300

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tatttaagaa tactctttgg tcgtatttac ttcctctttg ttgcactgct ctttggcatt 180

gccactcgtg taggagttac taagatattt aggtttgaag acttncaagc tgctntacgt 240

tcttggcaag aacaagcaaa ggacaagtaa aatganttag ccccctntnt cntntaagat 300

aaagagaatg gaaaaaaant ctgaatntna ttaggggaca aggtagaant ccantccaca 360

gttntggatg gcctttgttt atatcatggg acataagacg tgt 403

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atgatctctc cgcagtggtc atgcatcncg ggaaagggtt tggctcagga cactacacag 180

cctattgnta caacacagag ggaggttttt gggtccnctg caatgactca aagctggatg 240

tatgcagtgt cgaggaangt gtgcaaaacc canggcctac attctttttt acanctcgaa 300

gaacagttca gggcagcgca aaactctcag aaccccntct ccaagctnag gtncactcca 360

gcagcnagga cgaacgcaga acatacncat tgccctgact gggaggcaag catcaaaacg 420

gcctccaggt ntcctcttgg gcttgccagg aacagatccc tgggtttgcc tcactggtct 480

agg 483

<210> 8568
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<212> DNA
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<223> n is a, c, g, or t

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gccgtggaca tgcgctcccc agttttgtct acgctgctgc cgtctctcag agaaaaagct 120

caacatatcg cagagaaaaa gtatgtggca ggcatcaaac tccaaccccg agaggagaac 180

ataataacag atctggaatc tgtggctatg ccaatagttg gcatcttggg ggagcctcga 240

aatctgttca acccgaatac tctcctcccc ctggaattag aagaaaacac aaaaccaagt 300

ggaagaagtt cttccatagt cgagacaaat aacacaaaga tccnaaacac actgagttta 360

gtcatntcaa aactagcttc gccaagcacc tgccctaaat aatctaattg gttccagttc 420

cttacctag 429

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<212> DNA
<213> Mus musculus

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ttagtgcaaa catagcctct aaaaaaagag agggaacact acagaaattt ggagacttct 120

tgcagcattc tccaacaatt cttcaatcaa aagcaaaaaa gataattgaa acaatgagtt 180

ctccaaagtt atcaacggta gaagtaagta aagaaaatgt gtcccagcca aaaaaagcca 240

aacggaaatt atacagaaat gaaatttcat ctcccatcaa catatctggc caagtga 297

<210> 8570
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<212> DNA
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<223> n is a, c, g, or t

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gccaataagt agccgagcct ttcacagccc taagaatgag tctccaggaa gcaaaagctg 180

tgggaagctg ccactctcag tgggcaagga aggaaggacc cgtctgtcac aagtgttcaa 240

tggacaggtg tttacatact atttcagtac tttacatatt tcatttgaac ttctcctata 300

gctttggata ttcttgttct tgtntntttg ggctgatntt ttantcacca gnnaatgctt 360

tnttccacat agatttttn ttgtatgcaa tatactatat tcctgnattt ctcactgttc 420

ccaggacttt catttcaagt aacaattacc tattatgtaa ggacaatttc catgacattc 480

att 483

<210> 8571
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ggctttttc ttctgaaacc ataagaagta tgtttgtcag tcaaatggtt tcctgagaat 120

gataggaccc catttctata tactggtata tgaatatctc atgcactaat tattctcagt 180

tttaaaatgt aatagactag taagtcccat aatgaaacgt caaaagaaga tttttgttct 240

gtaatttaga aaaattatta accagtgatn ttagaaatat ttttaacagc actatccttg 300

agg 303

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<223> n is a, c, g, or t

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acataccatt cccctgcgta taagcatgca tgggttttct acatctcagt tgctggcatg 120

tcaaattaga aggcagaagt taatgagtgt cctgacagag actcgggggg catcgatgtg 180

aaagacagag atgaggggag gaggggctnt cggaantcnt gggaagttcc tccccgggnc 240

agtgggcaga gntnttantc ctggcttata gaggaagtag tagaggggag ctgagggagt 300

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gaggcatgac acccacttta ctgaaggtgt tgccagcagg cggcatcagc tanctgntnt 120

atgaagccat gangaaaacc nngggtgnac aantcctgag cagatgacnt gccctgaaca 180

agaagagaat ggaagaccca gtntccctga ntntcaaaaa gcantccaag gntcaggctt 240

taagnccnat tttggtttgc aaaaaccacc caggactngg attagaaaag cgctgggant 300

cctccaattg ggattntgag ttgggattcc agccgggttt ttgcaggctt 350

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ncntcccgca tggaagctnt ttgcccagct acagtgggga gaggcntcnt ccannтttgc 180

gcttgcccag ggcatccagc cgcccggact gcgcacagcc aacgggcacc tgt 233

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aagcagaagc ggcttctggg acttcgcatt catctactat gagtaacaag atggggcaga 180

gccagctagc attcactcca ccnagtgccn ggaacatggg gtcttcgtgg agtgagggag 240

agtggggcat gctgggtaac agcgtcctcc gagcaggctg tccttgcagg ctgtgtgggt 300

gcacacctgt gatgccagcc tcgggaggca gagaaagggg accttcagtt ccnaaggtca 360

gtgtggctta cacggtgaga ccctgtcccc aagcaaaaca actcttggtc atcctttcag 420

aaaattcatc tagacctcat gctanagcta tgtactcntc cctgggttgc agaaaaaaat 480

gttttncccc cattgcaatt ctcttcnttc tgtagtaact gccttggcga ctttctaact 540

ttggtga 547

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atttgctgga aggcgccact ttatttaaca aagaggagca tcattattct gcagccttcc 180

agattgacgg acattggatg cactatgatg gcctcagaaa ntgtgaattt aattttgtta 240

aataaacccc cagagtttct cctcttgtca tcattggttt atattcgagc aacagagaaa 300

taaatatага ctgatgctga attaaattgt tctcccgcct gcccatgctc ccagatgaag 360

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acaggcttgc ttctgcttcg tccatggcgc acaggaatgg ccgccgcaca tgcgcagtct 120

gcaaagggac ggggcggaaa cccgcttcgg cgnnaaaaac taactggtgg gtacgctgcc 180

ctgacctgga caatgaactg ggccaactgg tctgcttagt agcaggagaa agcaggagaa 240

aggaagatca ctcacaantc cacangcctg acggttcagg attattctga ccttgactgt 300

caaaaaataa aactagcaaa atcctcttgt tgatttcatt gaagactgat gcaactccaa 360

agctgacttt cctactttga cagggcattt acagtgtgcc catagcatac tgtttttacc 420

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tctcaagtgc acccaaggag ttctctgtnt atggcgttat gaanaaatgt gaaggagaag 120

naatattcct aggtcagttt atntataaca aaatggaagc aaccattcaa acatttgagc 180

tccagaatga agcttctgan tntttgctat ntntnaaact tcaaatcctt agcaantggg 240

gacatccaaa gtatangtgt ttntaccgat ntagantncc anngcntncc ccagtgatta 300

cacttagaag agntggtgca gaagncagtg gctgtgcagc cagaatgtcc aaggatgttt 360

antatttcct tacgtcagat tgcacccnta agaatcaaag attgggagtg ggagggaaac 420

cccaaantca ttcctactag gcagtaagaa tt 452

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caagtctgnt accattcatt gcctagggcc cctagtattg gggagagtgc cagaacaagt 120

ggnccttccc ccccccnnnn nnnnttaaa atccagatga gatcatagga naaaggaaac 180

ctatntaggg gacttccccc ccccnnnnna acacttttac cccaagggct ccttgccntc 240

aaaactggag gatatttcag ttactcttaa tgctcatgtg ggtcaaactt ggttttngaa 300

agaggtttaa agccaggcac aaggttagtt tcaaatacta gttaatccaa ttttttcct 360

ttttttttt ttttttgcac agaagctggt aatataggac ctatgtgtga actttatatg 420

aatatttttt tgtacttggc ttacttgggt tgttatgata acatatttaa gttccttgaa 480

cactgtggat tcccc 495

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ctcanancnc catgtcctag ctcggagctg gaagaccata ccactgcctt cgggacatgg 120

gccctgcagc ttctgccccg tgtccctcag agtctgagtg acgttcatca tatcatctgg 180

acacttgtta gccatagcag atgcctgtgg tcggccactg tggataatgg ctggatgcag 240

cttgaggcaa agaccaccaa agccttttc ctctgtgccc cgggaaagca ggaactgatg 300

gacccagagg tgtaagagcc cagggtgggg gcagagggat gtcagtggag caggagttgt 360

gctggaacag nccctccctc cagcccctga agtggcttcc gcaaggcagt cgcatggggg 420

gctggttgtc aggctttagn ngagttggtt caggggttca caggcggact gcctacattt 480

cctgctttcc ctagaatgta ttatcctggt tttcacttgt gca 523

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cttgaaacat tggttgctct tggggaagaa cagaacagag tccagttact cgctcttcta 120

gtgcccactt tgatctctta cctgctggat gaaaattctt ttgcctcagc aagttcgatc 180

tccaaagatc ttcatgagtt tgcactgcag aacttaatgc atattggacc tctgtaccca 240

catgctttca agacggtaat gggggctgct cctgaactga aagcacgact agaaactgct 300

gtccgagcaa gccaggcgag caaagctaaa gccgctgcca ggcagcccgc ccccaccaca 360

cattccacac cgacaattaa gctgaaaaca agctttttt agtgtgcttt tccgctcat 419

<210> 8583
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<212> DNA
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aaaccacacc tcctaaacct ccgaaactgc catcagccgg gagcccaagg ctctgagggc 120

catctcattc acacaaacac aaacataaat cacttaaaaa ataacaaang gggcggggcg 180

agttgtgctg ctccacagta gaccatgtgc ttagaacccc actcgggtta gaggtgtgct 240

ttagaaacac cactagctta gcatgtaggg gacttttgat tccatttcta gaactgaaaa 300

gaaaaaagtc agtacaaagt atctttataa aggaatgcaa agggctagga gatggctcct 360

ttggtagaac ccttggcttg caagcaagag gacctgagtt cagnnncccc ccccaaaccc 420

gtgtgaaaga tctgggcact gtggcatgtc ctaagatcct ggcaccgggg aggcagaggc 480

aggtagatcc tttggcttgc tggccagcca gcttatgcta gtctgtgagc cacta 535

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gttggcagtc ctacggtcac atcagtgcct ctcactgtcc tgggacagac cctcaatttt 120

gcggagcaag taatgcagag aagaagccag gagtaaggtg gacttatttg agccctggga 180

atgcctgttc cagccctctg aagcccagaa gataccctca ttctccactc cacagaaagc 240

tcggccttct cctgccccca tttcccagga agccttnnat taganagaaa cccaaagacc 300

gaagccgtgg gacccagaag tccaaggata gcaaatgcct a 341

<210> 8585
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<212> DNA
<213> Mus musculus

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agaactttct aatatgaaaa aatttatttt aatatacaga gacttccaaa aactccttac 120

caaccctgga taaatgatag caacctggaa ccattgaatt tacagctaga tcattgtaga 180

atatcttaaa aagcttagtc tgaccagtct gatatgcatg gacatgcttt ctcattgtaa 240

ccagttagaa tttgatgtag tcattgcatc tgataaaaac caaacccatt ttgctaatca 300

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acttctgaag cgcttcagac aatgaagccn agcnnaacac agagcagagt gcctggagct 120

tcctttggac tgaggaagaa ggagaaggtg acctgtcgtt tgtgggaaga ggaacggaaa 180

gccatcaagg tccctcagag ggggctgagg aggtccagca ttggtgtcag tttgtgaaga 240

tcatgcagaa ccatgccaga agggtgaggg gtctgcactn catgttgaga actgtaggtc 300

ctcgaggcaa gaagtggatg gaggtgtctc aggcatcaag aggagaccct gagggaaaga 360

ggaggtcggc ctgcagagaa gctttgcatt ttgttgtttg tctacttgtt aagtgtggng 420

aatggctttc ccatggggcc agagcccgag cagtagactc gaccacactt tttattttct 480

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aattctttag atatcttttg agttaccagg cacaaacatt atgcccacac agtgtatggg 180

tggcaagaga tggcacaata tcagtattga cctctgactt cctaaggaag tggtgcctcc 240

cacacagttg aggtnggtgg ttctcaaacg tatcaaactc agctcctgtt tttgttttct 300

gagacaaggt gtcatgtggc ccaagctgnc ctcaaactca ctatatatcc aaggatgacc 360

ttgaattttc tgatttttct gttttcattt gcctccctaa gtctgggatc atagctgtgt 420

gccactagac ccagcaacan cagacacctt gagatntctt ctccattatc ccacagtgag 480

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cgcccgtaac cacggctgtg ggcaagggac ccccaaccct ggggaaccgc tgggaggcgn 180

aactccagga gccganctgc ggngtgaccn ggcgcccntc caagacaggc cgcgntnctc 240

tgggtnccct gctcggtgcc gaattntntg atnctccgag cnctttgtgg ttgcntncag 300

accgttgctt caatcataaa ntctgcagtt ctgaatgaat atttttggac tccataaggc 360

tggcttctgg actttggnca aggacaggct natgatttat agttagtgtt aatatttttt 420

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aagtatatta taatantcag attcacagga gagtaaggat aacaattgtt aaagntcttt 120

ntaaaatntc tgaaacaagt acaccctagc ttttttcgat gtgaaatgtt ttaatnttnt 180

ctatatttat gtantccttt agaaattatt agctgcaatg tatgaaaaga ctagtt 236

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ggggacggca acttcggtac agctatcgca aagagacaac ttccacatca gtttccagtg 180

cagcatccca ggcaccgacc tgaagggtca caaaacaggc ttctgntgag actcgcccat 240

ctgttgttgc ctccagctgc cacagctcca tttctgcttc attctcagat gcgctcacat 300

gtttctccct ccctccncca gctgtgtgtt ggtctggtcc cagccccacc ccttgtcagg 360

tcagtgctat ctagaactga gtggcaggac acctgttcta accatcaaag cctttggccc 420

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cagttggcag caatctcttt nagaaaatga cactcatctg agtaatgaat agcaagaagc 180

cagtcatgcc acaactagnt ggtggggcat tgcngggaga agagacngca agtacaagag 240

tggccnaggn agatancctt ggtcanttan angagactat tagantntnn aacancctgg 300

gtaatggctc agtntgaacc tgangacttg atttcaatcc ccaccccacc ccccaagctg 360

acanaaaggt gaaaagagaa tcaactccac aaagttntcc tntaccctgg tacccacaat 420

cctacagaga tggtgatgaa ccccagaggc t 451

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acccttcttg tccttctaga ttaattttta gtgttggact atagtctttt tccctttaa 120

actgagcagt aattgagact ttctgataac cagactgccg gacctctttc tgtcacacct 180

ctgctctgtg catgttcacc ctgcccttcc accagcataa gaaagtgcat ggctcctgca 240

ttccaaacag ccatggtgtc tgctggagac agccaggcac aaatttagtc tcctcatttt 300

gtttacacac tg 312

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<212> DNA
<213> Mus musculus

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agcctacacc tggtatcacc ctcctgctga gcacaccatg cgcgccttgt gctcatctac 180

agagagccag gggactcaag actgctgctc caagctgccg acgcaatagc caccacatgc 240

agtgtgccat ttcccaagag ctgagaaaca ggagaacctt ggctttctgc tcataatctg 300

gttcttgtgc ccgggtgcag gtttccntcg tntgggaaga acggagtaac gantctcaca 360

cagaaaaaan tcttgagaac accttgtggc gcacccagtg taactgttac ggtaggtgac 420

cctcacaacg gtaccatcag aactgcttnt gcaagccttt gctagggact ncccaggtgc 480

tctgtatgga gctgggaagc atggcctgct tgctgatgaa 520

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gtttccttgt gaaaacaatt tattaggccc cgtggaacca atatcctgga gttgtagagg 120

agaaaaataa attcttgcct catatttcct cacctgaaac atggaacgca acgttgtaat 180

ttcgaggcct gggttttatg tgaaggtcgt ctttaaggga tacagccata acaatttggg 240

ctgcatagca gacgcntntn agactnnnca agtatntatt nagangtgtg cntttntaaa 300

tcaacaaagg aactgagtgg gaccntnnna gattnctntn cnaggaaggt acctttntnt 360

caatgatagc tgggacatcg agcctntatg ttctggaaga gtntntgtnt nagatggccg 420

gcttaatggc cttcccattt ccatcactaa ccatgttgac agcctacctt ttccaactga 480

tatgctg 487

<210> 8595
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<212> DNA
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gagcttgaaa ggattcctgt tgtttatgat ttttgtataa caactttgta aaacagcatt 120

ttacaaatat tgaaagtact taaagacagt ggttgtacta gattagatta ccaaggatcg 180

ctatctatag tggagtttga aacagttatg taaccagaag catctaacta ttatgta 237

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tgcacacaaa catgtgcata tggcctgtgt acacgtgtgt atgcatgcca aagatagcgt 120

ttccagtgtg acctttgac ctggtattcn tcggtgtgtt cctgcaatac aatctccaat 180

cagactttta aggcccagac tgcttcaggc aacattgaaa agtggcataa tacaaaattt 240

acttctagat tgtttgaaac tatngttgtt acttggaaga agaaagtgtt aaaagtccat 300

ttttcttgtt gaaagttaat caacttgagt aaacctttat agattggtgc tggtttacct 360

agtgaaatgg ctttgatctt ggttacctga gcctattggt gatttcattc tatctgtgtc 420

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accgggncct gccctataag cgctccctgc ggaacctcat ggctgactac ctcagacaga 120

tcatccaaga caatgtgaat nggcacagct ccagtgagga tgccagtgcc tgtatgcagc 180

ttgtcatctg gaagatccga gaagacgcca agaccaagcc aagactccca cccaacacta 240

ccataccatc ccccttcttc caanccttgc tgcccttagc cggaatccct ta 292

<210> 8598
<211> 109
<212> DNA
<213> Mus musculus

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cgcagagcat gaggaactgg tgtctgtgcc agatttgcac ctgcggctc 109

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cgcagagcat gaggaactgg tgtctgtgcc agatttgcac ctgcggctct atcagnactt 120

nnatatnnac ntgacctatn cactctgntc ctngattttc cnagtatntt ggaccctgca 180

taggacnaaa tcacttcanc actttccagc acntcctttg cancagacat tgctgagtnt 240

catgattntt ctgactttag agtttcctag acatggagga ctagaggagc tgtctaacca 300

ggatgcttca c 311

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<212> DNA
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tatggcagcg caggcccctg 80

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tttttctgtc aacttccaga atgctgtgga tggatgctgt tagtctgaga agtgccacct 120

taaaaatcat cttacacggc acccactcga aagtgaacac taggaagtct ttacacgcct 180

caggtcaatg atgcccgtta tacagaggag gaagttgagt gtctaaagga agatcactgg 240

caaatggtgg agcaggtgat aacctaaacc caggccagca tctcttcaaa gcttgctctc 300

tacactaccn ttaacaccga ntacatttng aatcctcgag ttgtttgtgg aaac 354

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ggccaggttt ctcttcggcc atttgtgaga gcaactntgc aggaatcact tcagcttcac 120

agacctgatt tcatctccca ctctggggag cgcataaagc gtctgaagtt acttgtccag 180

gagaggaagc tccagagcct gttccagagt gagcgggagg nctctgttcn actcagcgag 240

gcccctgccc aggagagtcc tcctggctgt ccagaagaac aagcctattg gaaagaagga 300

aatgattcag aggaccagac gaatttatga gcagcttcca gaagtgaaga agaagagaga 360

agaggagaag agaaaatcag aatataaatc ctactggcta cgtgctcaac actataaaat 420

gaaagtgacc aatcatctcc tggg 444

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aaagctggta ggttggaagc tgcctctcac ttctgaaaac cccaagggtc cctcacgtgt 120

cctcaccaat actacataat gtctgagaat gggaacattc taactttctg tccaaaagca 180

gtaaaagcaa atgagatggg aaaatgccca aggctggagn tgacagcntt cctggatttt 240

gntaccanac aagagagaag gnttttcttt ttgtttaatt tcattccant ntnancnaac 300

tatgtgncaa ncagtaaccg catagatcta tagcatggaa gactgatgat agtgtttggc 360

atgagatttt ttttcaaaga aatcatattg tatgttgcag ttgatctgtt aaa 413

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<213> Mus musculus

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acaagacatt tgcaatgaga tagggtctaa gctgacctgt gagaagattg ctagagaacg 120

ctacgacaac cagctgaagc agcagaagct gttgaacatc tccaagcagc aagctgagca 180

gatctcaatc ctgcaggctg aagttgaaag antcaggatg aagacattcc ctgctctcat 240

cccaatgtag agcagaaagc acacaatgcc caactaatgt cccttgaata gaatcacttg 300

gacagaaact tctntntntc ctgatcagga aatttaagta ggtcacctct tagctgcac 359

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<223> n is a, c, g, or t

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ctttgctaca ttttgaaagg tgcattaatt ctgacattga gggttttgtt tttccaaata 180

atagctttca aagtaaaatg gtgctgcatg ttataacttt atatgatggt gtagtgcata 240

taagctatga gaatcagtta tacatgtatt agagtcagtt atacatgtat tatctattct 300

aagtctcaac aaaatgttca accagacnag natgtaattt tctctttagn atnccaaatg 360

tgctttagac nacaatgcna aagtttaaaa gactatttca cttatgtcat ttctgacaca 420

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ctcaggtcat ccctcacact cagtcttgcc ctgctggctc atcaagtcat ggggcccttt 180

ccaaagaagc catacagggg ctggagaaga agctgcagag agagatggct accctccagg 240

ccctcggtgc gtgcatgaag agctcgcttg ggatnccaga tncaccagac cccacccgtg 300

nntccctttg gcaggaagag atgccagaag taaaaaagga aggcttggta acgccctgga 360

ccacccggag ctgcggtaag ggcgancctg cagatanncc ctgggctggc tggtcaggtg 420

gccagggggn cctcccgtgg ncntnttcca ccncctagct tgagcttgnt nttgcagagg 480

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caaaacacag ctgcccatct tcttctgttg tctgtgctgc gtattggcct tgtgcttctc 120

ctccctggtn ccagaaacgg gaagccagtc tctccgtgac agcatagagt acaatataag 180

agattctatt gagcccaagg atagaaataa ggatgttccc atggtgatag ctgaggagtc 240

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gaggacaaac aggaaccacc aggaggaaga cattattnct gctcttccct gattctggat 180

tatcagtgat gtggaggcaa acaaatcctt ggttctatta tcatgtttgt ttagtttgaa 240

tctctgtcat aaaggtttac agctgatacc aaacacactc aatgccctnt gcatcctatg 300

actcaggagg tcatgttttt tggtttttgg gttttttttgt ttgtttgntt tgggnnnttt 360

ttttttttttt tggctgttta ctgtaaatta aaggagaaaa gttactccat gagtataccc 420

tacctttttca ttgtgaaaat tttcagacat gaatatgtat tgaactaatc tgcccaagta 480

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cccatttgct ggctgtacca gtcagtcaag ctgatgtact ctgtgggcat cttcttcacc 120

tatgccctcc agttccacgt cccagctgag atcatcgtcc cctatgtcgt ctcaagagtg 180

tctgagaact gggctctgtt cgtagacctg actgtccgca cagccttggt ctgcctgacc 240

tgtttctcag ccgtcctcat cccccgcctg gacctggtca tctccctggt gggctctgtg 300

agcagtagcn ccctggccat cntcatcccn ccnctgctgg agattgccac attttantct 360

gagaacataa gctgtgccac cattntcaag gacatcatga tcagcatcct gggcctntta 420

gggtgtgtac ttgggacata ccaagccctg tacgaga 457

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cgacccctaa acctatgtcc tggtttatag ggatgctccc taagtccatt acctcatagt 120

tttgactgag tttgcaggac attggccata cctgagagag ctcctggtca gttctaactc 180

ctaaacacac catgcacttc cagaacttgg caagcctctg gataactgct aactcctgct 240

cttccagctg aggttgcatt ggtcactact gttgagtttc tgcaagctaa attcagctga 300

ggctgntcag cactgatctc ccatgctcaa ggccaactct agaggaagca gaacactcac 360

actctcctcc ccctctgcca tttcttgcaa aataaatntc tgactcttga ccgctagatt 420

act 423

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aagggatacc taaagagcat gctggtgggg attctcttat ccggagaacg gagaactggc 180

tgccactccc ttattcatag caaatggaat tcttgggccg gcaccttgcc cggaaactca 240

acatcaacta ctttgactan ntggcctcct cctatnntnn atntantccg ccactggcca 300

ctgggggcnt cctttanccc nggcattgtg cagcgaaaaa cacaagtnta cantaagtca 360

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ctgtgtccct tntccccatc ctggagggac taacagccag ccccgc 466

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ccatgcccna gacaccatgg accacgaacc taatgcgctt gtttcaaccc tacatgagga 120

ccctgtctag gggaggctgg gttctccagc aagaaggcgg atcctccaca ccagcccttg 180

tgagctacat gaggagggag ggnagacagc aggaacttcc ttgaggctgg aaatggagcc 240

taacaaatga gagatttcag cagtgagagc cctactcagc cacctgggt 289

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aaacagaaag tcaaactttg tgcggttgga aacagcgact ctgccttaca ctggggcttg 120

tggcgtgtga actatgatgg agctnttnaa actgttagtn ccattnctgg agtcagnnnn 180

nnnnntnatn ggggcaggga tgctgagccc nttcnatgnt tctntttatn ctccaatgat 240

tattntnttt ggacaacttg acgctggtta acttaacagc aacaagtntt gaagaagcca 300

ctggaggatc ccaagtagtt ccccttagag gcctgctaa 339

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cgncatttat atgtntgatt ggnntnnnat ctctctctct ctctntntct ctctctctct 120

ctctctctct ccctctctca ggcnnagttt cacatanccc aggctgacct ggaattttca 180

caangtgacc gagaataacc ttgagctttt gatcctcctg tttctaatcc caagtgctgg 240

gatcacaggt gtgtgcggag acacttgatt tacttggtgc tgggaatnaa acccaaggct 300

tcttgcacac tat 313

<210> 8615
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<212> DNA
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<400> 8615
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annnnganco agnccggggn gnggngcnaa gttcccgcan tgctngcanc ngntntntgc 120

nnacgtnntg acccaacgcg atgcctgtgg tgaaggcgac ccccgcgagg agcagccgcg 180

caagcggcgc cgctgccttc gcccgcggcc ctgagtgcct ggcacga 227

<210> 8617
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acatgcctac tgctttcatt ttctgtgggt 90

<210> 8618
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<212> DNA
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<400> 8618
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cggacctgga cttccccagc ttttctccaa tggcttcgca ggaaaactgc ctagaaaant 120

tcatcccgga ccacagtgaa ggcgttgtag aaacggactc cattttnaga agcagctgta 180

natagtattc tagagtntta atagcagccg tcctcctcca gaccctgccc cggaccagtt 240

acactctctc ccagcaaagc aaatggaaac gnctcccgtc tgtctccagc ctgcttggtc 300

ctccatcaca ggttatcctt tctantctca ncctgttctt ttgaagagcn atacangtcn 360

tcatggctgc ggggagaccc ntcagtacac ccacctctnt ctagaaagca ntccnatagg 420

ccctccacat ttcaagtgtt acgaaagtgc ttacggccat tgttgttcgt tnatttgttt 480

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cctggtctgc ccggggctcc agcctccgac ccgccatgca catggacatc caagccgtgt 120

cctgcggcct cccgtgggat tcttcctcca gaatgaggtt ttttttttt tttagcataa 180

aantataagt attgtgtatg tatgatntgc gtgcatgcat nttcagaaga cgacttttat 240

aaagggtccg gggatggaan tntagcttgc aggatcntnt gattncaggt accatacaaa 300

gatgtttaca agaaatgcag aggtaaaaca gctgntccga aagccaacct tttgtgtcct 360

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<212> DNA
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ctgtgtgtca aagatgtgac cccgaacctg cagagctgcc agcggcaact caacagccga 180

gggactttcc agtgtaaagc ggacgtcttc ttgtcgctgc acgagactga ttgccagagc 240

acctgagccc tgaaccccaa ccctgcggcc ggtgactctc cccaaccccc atatgcccag 300

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tcctgaaacg tcagagcatg gctggtgaga ctgtgtggcg cgcgctttat gcggaatttg 120

aatgacttgt ggcgggccnc gggcactgcc aaaaggatgc caacagcctg acgctagggg 180

ctcaggggag ccnaggcccg gatactactt cctcttgtcc attgtccgtt aggattttnt 240

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gnctgcaggg ccaggtccag cgcaccgagg tggcccgcgg gcgcttggag aagcgcaatt 120

cgnacctctt gctcttggtg gacacgcata agaancagat cnaccanaag nagnccgatt 180

acnntnncct cancanccgg ctncagncca aggaaggcct ggggaagaga tgcgaggatg 240

acaaggttaa gctacaaaac aacatatcat atcagatggc agacatacat catttaaagg 300

agcaacnggc tgagcttcnt caggagtttc ttcgacagga agatcagctt caagactaca 360

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gaaatagaga agtttctgag agaggaccgt ttggaccgcg nngttggcgg gatgcagtga 180

ggcacgcaat ggccggcctc acaatgttgc tctgactggc tgaagcaacg tatgcgagaa 240

gctgggatct ttcttaaccc acaccagaga caagtgctcg caaagacata cctgaaatca 300

ttcaccaaca aaactcggaa gcatgtaaaa acaaagcagt tgctgtttct aaataccaga 360

atgcaatcct ttcaagcatc tagatggagc ccatgagctc caagcagagc agtaaatgac 420

acaacctcgg ggttcgacgt gtgataaggt atcctgtaac tactctttgt accgctggga 480

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cctgcntctg aggccacaaa catcagtgac acggacacta ccaccagtgt attgattntg 180

tcacntcgag ttntcagatt tntctntcaa cctgggggct ttntgntcct ctagaaatgc 240

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ttaagaaata aaatatgtgc cctggatgca tttttctaac atatgtagtc tcactttaaa 180

attccatgca ttctccaata tcgtagactt tatttaataa taaataaaaa gatcaaaatt 240

aggaaacnga aatgtagaga aaattgttat tctcaattgc aagcctttga gtatgagtgt 300

gtatgtattt gttttctttn tttgtgtgtg tgtgtgtatg tgtgtgacag agagtgacag 360

agagagagan cnacagagag ggnatatatg tacatgtgtc cttttatttt gatgctattt 420

gattatattt attaacagtt aattntacag ctgtggaata tantcccaac tgtagtataa 480

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tgccaccggt tgatgatcct gcaacgcgac tctttccata gtctgggtac taaagcatgc 180

tgcgtctttt tcaaaagcaa naanacaaaa cctattttta gaaatgtaaa tatttattac 240

cnancaactn ggaaaatgga atgtatttta ttgtcatgnt tgaatttaga ctgtaaactg 300

gtatttngtt taggattgaa acataatgac acccgccagt aacaaaaagg aatntagact 360

ctcatgtcat ttgtatacct gtggatctgc cctgtatngt taattctatt ttacaaaata 420

gaggaagtgt ctaatatatg tgcatagtca gttgtccttt ttgaaaaata ggttgaaatt 480

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gacttctgga gagcacatgg caccttctgt ggaaccagat gatgctttct taacttctac 120

cttatttaaa gatgatgatc aggaaacata tctacctaaa cctgaagcca ccaggacaag 180

gaagccttct aaaggagaaa gagatgaaaa cagagctgcg atcccctcag agcatctgcc 240

tttctctcag aaggccagga agccgttaac agaacaagaa ctgcacgcca tgtcagagaa 300

actctctcag cggctctctg aactagactg gatgttaaaa actgccctgg gtgatcgagg 360

aacgggcgaa actgatggta atgatggtga tggcggaggt gaggaggtgc gcagtgggaa 420

cgaggagatg ctctcgcagc acagtgacag cgtcatggag tacggaccaa agaagccgag 480

gccaggattt tntacgtgca gaaaggcacc ttacaggtcc catt 524

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<212> DNA
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tgtcctgatg ctcacattca tcagcattct agttctgagc tacttctggt actcgaagat 120

ttacaggcag ttcattattg agccacttca caagcctcct gaaaaacaga agaaaaatta 180

ggaaactgga gattaactct gaatacatat atgtatttag ataatataca tttaagtaat 240

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<210> 8630
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ttcggtgagc atctgggtac tttgaaagtt ccaggaaagc agatgtgttc gctgtcttgg 120

gaaggaggcg gactgaagat tgctctagct gttgactcct ttatatattt tgcaaatatt 180

cgacctgatt ataagtgggg ctactgttcc aacacagtgg tttatgcgta caccagaccc 240

gatcgtcccg aatactgtgt tgtgttctgg gacacaaana acagtgagaa atacnttaaa 300

tanntgnaga ncctcatttc tntcaccacg nntngagatt tntgcatttn ggntacanaa 360

gctgatgaga atcaccctca gnttntgctt ntcctttnca attctattgg cacacccttg 420

gac 423

<210> 8631
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<212> DNA
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<223> n is a, c, g, or t

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nnnnnctnnn ntnnnnnnna nnnnnnnnnt ttnnnncntt ngncnagggt gtcaagaaaa 120

attgtaacca gatgaaatct ggtcagttat tacctgagac acctttcag ttcatacccc 180

caaatacatt gaaccttcgt agtttcacca agatcatgaa gagactggct gaactgcacc 240

cagacatcag cagagatcac attatagagg ctcttcagga agtgaggata aatcataaag 300

gttttctgaa cggtttgtcc atcaatacca ttgtaaaaat ggcttcntnt tttcngagaa 360

actctgcttt gaaataaatg aagcaataca gagaangtnt ttggaaagta tgaggaccct 420

tcntcagagg aanttntaca gcaatttgga aaaagctgag ggtaatacaa tcagacagct 480

ttgtanttgg acctaaccct ttaagtattn tgatagtcct ttaaaagctg gtgaca 536

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<212> DNA
<213> Mus musculus

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gtcctcacga gctgctggga caccacagtt ctactttcac acaagaaagc tccttactca 180

cagggttcat cttctactag tgtttatctg ttcagagtgg atgaccagct cttacagaag 240

aaccgacagg ccccagccca ccgccagctg tccacaggta cccttcagca ttcaagtcct 300

tataaagagc ag 312

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<212> DNA
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gccgggcagc agaggattat ggtctaaacc tggactatag tgaggtctgg ctctataaaa 120

gagctgaaag gcttgtctgg cagccacggg cagtgcttga actgaccncc agatggcagc 180

ctgttcctag cttaaggcct ctcncataac cnctaaaaat cagaggccat tcccaaccaa 240

gaacaccaaa aggatgtggg attntactaa agataagtac tagaaatttt aaggatgaac 300

tgtnagctat aggagcacca ntgaganccg gggaagcact ttaaccttgc ctntgantgg 360

tagtagtcac aagcaaaggg acttgacttg tcatatttta aaggatacct caaaacctgt 420

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gtatggttgt ggtactgcag atgcctttcc aaaaaggaag atcggaaatg gcttgtgttt 120

acttcatggc acaatatcat gtacttccct gatgtgaggg agtctcaggc agacatagtg 180

caggtttcag cttgcatgta tccatcacag agcaagggaa tggccatcca ttctaaggaa 240

aagtattctg tcccctatgg tgctgtaccg tcatgctaat tgttcacaca ctgtaacatc 300

acacctccaa atgcaaaatc gaagcacggg attcatgtaa aaacagagag tgccaaactg 360

ctgttaaaac atttaaaaat atgtttattg taaatcttta ttgcacaaaa gagcctgata 420

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gagcatcaaa atcggtttnt gggccttatt aaggccgcgg aagcccgggg ccnagtccat 180

accctgcggt tgcgctacac ccgaatgcgg gcanaggaaa tctntttgct gatccagaag 240

canagctccg ngcgcgctgc catccgactg gaactnttcc taccacccca antgaagccc 300

acaaanatcc ntnatcctnt ggaccgacac gagcggaggc gtgttgagac antnctggaa 360

gaggaggtag atggcaacat nttcccccga tgactgagac cttggcgttc agagacccta 420

cggttacagc ag 432

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cttatgctga gcacgaagat gccagttatg ttcgaccgga aggagtcagt ggcgcatcag 120

gactgggtca gcctgcgctg gtttgtaacc atccagccgg cagcaccaga gcagtatgaa 180

ctgcgcttca agc 193

<210> 8637
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<212> DNA
<213> Mus musculus

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tcactctcct caccacagta agcttgttcc tggaggagcc ataaggagtg aatgtcaggt 120

cctaaaacta aagagattaa aaaaaaagtc tgaatatagg atatttgatg aactttataa 180

agctacttat ttcagtatgc aatgtttaaa tgcctatggt ctagtcttca aaagaaactt 240

tattgtgtta taaactgtgc gggtaatact tgttatttaa atgtcagaaa attaattgct 300

tttccactta tagaacattt caagtgtttt gatatgttag tacgagaaga actttaatac 360

ttgacttcag aggacagaga aatacacagt gccacaaagg cctgttcagg cttcaaacaa 420

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acaggaaaca tgtctccact ggcaaccacg tgagctgggg attgtttatt tactgcgtct 120

gtctgctgag aataaactac gcctcaggga ctcctgtgtt ccaggctacc ttgtagttca 180

tcagccacag gcatgagccc gaactgaact ttaagaaata agtttgatca gcaccttgct 240

tccctttggc ttggcttctg tgataaccca cgaggccaag actcagccta aagccagtga 300

gatgagaaga attgctctgt cacattttgg agaagggtgt ctgctgcttc cagccagacc 360

acgcccccaa cctccaaccc ctgcaagaca gacatctata cactgccagc atta 414

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<223> n is a, c, g, or t

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ttttacataa caactcacca ttttatttct gtcgccactg gcttcttagg taagtttgtt 120

tcctttccac agctagaaag tcgtncatat tccattgctt ttcctccatc tatcttaggt 180

cttaatcatt tttcttcgta agagggatca gcatagtgat agggactcat aggtaacctg 240

cagcagagac agggcgggcc tactgcctcc ttccagctgg ggaacgcaga ctgggtggcc 300

agcggagttc cagatgcagg gggcactgtg gtgtgagccg cacgcatggn cagtcaacac 360

tggactggtg ctgttgtagc ctgggaggca gatgctgcac tttcagatnc catagacact 420

gttcaccaac cctaaaagat gtaagaaatg tctgcatgcg gttttaatct cata 474

<210> 8640
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<212> DNA
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<223> n is a, c, g, or t

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tttggctcat cagtgcagaa agagcaagag aggtctgtgt caggaggctc tatgggtaag 120

tccaacgtgt caggcctcac tccatcccat tggctgggtc agccagggcc tggtagtaaa 180

tgagacaagc atgaatcttt gtaacatatt tggaattttt gagaaaaaat tctctgcata 240

gaaagaaaat aaactagagg gcaaagtcct ggtctagttt cagttaagcc aggaagagag 300

gatacagctt ttgccagagg aagccaagag aacaactgct gagcaagaaa tgctgaaata 360

acttaggcgt gccaacagtt caagagacgt cactcttaat gtctcagtga tctgtggtga 420

gagcaagatg cttgcatgtc gcttttgatt aaacctatgc ctgtt 465

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atggtaaata ggacaggggg atgtggacct gttcacaagt agttctttgg ggtcatctcc 120

atttgtcagg atactggcag tccagttcag tagtgacagg gtaccaaaca ggaatcagca 180

gcaatggcat gatccaaaga aactgccaga tctctgttga atgnnnnncn ntcagcaggn 240

ntaccagnat nanccnggag gccaggagaa gttntcgnct gtgcctctct caatgaatgg 300

aagatcaatg aagatgcaag accaaggnag aggtgcaaag ttagctatnc aagcatcatt 360

acctnccatt gaatctaatt tatantctct ccnnacatca catgtcctac cacaggactt 420

gcctcncaaa acaccacatg antctgtatc acctgacata tccagaaatt tccacttcag 480

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ttacgatgaa cgagatagag gagaaggaag tggatgaatt caactccagc ggtctcaagt 120

gtcccacatg cttcaccgtg aaggggagag agtgcagtcc agagctcaag tggtgttcca 180

cggacaagat aaagtgtgtg gagctctccg gcatcataaa cacaggtgtc nacaacntcc 240

ccattcanct gatgaaatgc ataaccatag nacagtgcaa agacacagcg acggnttata 300

tgggttttac aatcagtaac aaaagtgaaa tctgtaagtc agccntcaga aacggggcca 360

gagtcagacc cccaaccccc atnttntttg ttntnttcct gaagaaactg nttcactgag 420

cagctgcaga ggctcagcca cc 442

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ttatcaagtg tgnagnaaga tgccnantgt gcctctaggg ncctcctgcc ccaagagaga 120

ggggctctgc actctaggna ggttgctcag ggcctctgta ctgcctgcac tctccatttc 180

cttacatggg cacagccagg gtggctggca cggcatgggg cactggacag gcaccatgtg 240

cctctactcc gtcaccaggg acagcctctg aagggctgag gagacaagct ctgctattcc 300

cagggccaga tccaagcaat aataggaggt gagggccaga ggacactcag ggacactgtc 360

aggggctgga gccccagaag gtagtgtttt c 391

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cccttaccgt gtgattgagg ctcagaaatt atttttcttt tggtgatgat cgtgctgggc 120

t 121

<210> 8645
<211> 144
<212> DNA
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acaaattact atctgtntcc ttntgatggt gggcagattg aagtggaaaa gaccaggttt 120

gaacgagggt caactttcat caaa 144

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agacttctga agtagagagt ttacgacctc ccagattctt taatgaagat ggagtcatca 120

gaccttacag gttgcgcgat ggttcaggaa atcaaatgtt acaggcatca aaaagtttga 180

tatgaaaact gttaatgcat gactttgcaa gtgaaagcca acagtagatt ttagtgttaa 240

acttttacaa actctgtgca gctgtttcag tattttgaat ataaagaaaa gattttgtgt 300

tatgaacatc agtcagtnta atctttccat agactattcc tggttctggg tgttctagat 360

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nttcttaggt tgtttctgtc tgaggttctt 450

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ccagtgagct ctcaataggc taattgtaac agactacaaa caaattacga gcatcgtaaa 180

acccgttgac tcttggagtt tccaggtgtc tttgaagagt gtagaagcca tttgagcagc 240

acttaggttt aaaattggga tttggacctt taatgggaag acnccaaact ggtgttaaca 300

cgcttgaggc atcatncctg tcttagtgta atttttttgt tgttttaaaa tacttctgtg 360

catttgtgaa tttggacaaa ctcaaagtaa aggaaaatca tcccccaagt ggataattcc 420

acgttgaacc agcccgaaca tgttggctta 450

<210> 8648
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<212> DNA
<213> Mus musculus

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aagttctctt agtgaccctg gactcccgat gcctcagcgt agggatctta aaatccaaag 120

tagttacttt catggctgaa atttgcacca acatgtgata gcattacgtt atcttggaaa 180

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agcaagtgtg atatctcagg gtacat 266

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gactggtaca gttccgtgat gctgcccata gatgtccctg ccccactgga ggacttacca 180

gaagaagaca gactggaaac tactgagcga gatctctgtg atcagggcat agaagtcatg 240

ctgacgccag aaatggtcca agtggaattc cccatgctga ttcacaggga ctccaagaag 300

gagaaggatt tcaaagactc cacccagtta ccagaaaagg tggnagaaan ggtncaggag 360

gagatgaagn ntntncngaa ncaaagctnt caacacgtac ctgattntag actaaaaccc 420

actggtgtgc ccg 433

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<223> n is a, c, g, or t

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agcccgatgt taccttctcc tctgatgttg gtattcatat gctcagctaa atgtacataa 120

ctgtgaatca acactaagag caccggangg nnnngnnnan nnngnntnnn nnnannnntn 180

nagagaccct gggagaagga cancaacaag aatgagtgtg tgtctggtaa atacacnaca 240

gggtctgtta accttcaagg acgtggcctt ggatttctca ctngaggaat gggaatctnt 300

nagttttgct cagaggacat tgtacatgga tntgatgtng gagaattaca atnatctgtt 360

gtttgtggaa aatcattgca tatntggaaa gtatganaag ntcttggatc aagacagcca 420

gtacattgtc catgaacaca tgaatattca agagaantnt tctaaatggg acaaacttag 480

caatgtgata cttgaagcct cccaatgtac accttacaaa actaatcaca cctctgatgc 540

t 541

<210> 8651
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<212> DNA
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gataacccca gagtcagaag agagtgtcag agtccctgaa actgaaatnn tngacanttg 180

ggaanannca tatgggttct gggaaatgaa cccaggtcnt cttccagcaa gaagagtgan 240

tcctgctgtt aaccatggag ccagctttcc agccttttgg agtttttatt taattttcgt 300

tttatttatc accatgtgcc cacttaacac cctttaccag gcctcattca ggacgttcan 360

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aaaagtgccg caagtgtaaa aagaagaaaa gatactagcg aactgtatct gcactgctct 120

caaacctctc tagaaaaaaa aaaatctgtt gcaccaaatg atccatttct tgtccagctt 180

gtcgtttttg aaaacgtatg gaaatatgac tctgtgattt gctattcagt ttactattca 240

tgcttatgaa tgacaaaagc cttgaaacag taatatattn ttgtgcgttt gcatttgcaa 300

gattgccttg ggaccanttg tctcacagaa agctttntac cagcgcaggt gggctggcct 360

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gaccatacag gtggcttgcc tgacccagga gctgactcag ctgaaaagac tggaggagac 180

agttgctctt ctccatgaga gtcagaggtc cctggtggta actaatgagt atctgctgca 240

gcagctgcat aaagagcagn aaggtnattc cgngaaatnt ntcctncctc ccgagaagag 300

tcatccttng gggagatnnt cnccctttgg gaaaagcacg ctntnttcct cctcaccaat 360

ggtacacgac acgggtcagt acctaataca gagtntntca gaanccgacc cagagcctag 420

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gagcatgacc gtctggagca agatggcttg gtcgacacag ctggntaagc cccagcactc 180

aacccccttt ctcaccccga ggaatcctac cccacttaac aaagtggggg ctccacatac 240

agacgtgaac tgcagccgat tccccactgc tttagagaag gacctggggc caccaggagt 300

aactgtttnt agnatagaga gntnccaggn anatgagacc cntggaaant caatggggac 360

accccacaat ccagccatct cacaaaagtt tggttttatg aggcanttga gatattttnt 420

cagacagtat ggccttaaaa agtaggccac aggctcagag tccttaggac acgtcagaga 480

aggcatgcga cggacctgct ta 502

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acctgcacag agaccatgct ggctgtgaag aatatcacaa tgcacctgct aaagaaatgt 180

ccttgagagg aacagtcatc tagtctacca acacagagaa agcagattct gatcaaaagg 240

caccttggca aacatanctg tttagacngg aaggatccna tggacntaan aggatnnttc 300

atncnattcg acantttncn aagactgnna agtagggcac agcctacttt ggtatgagaa 360

gaaagtccac tttatatntc tttagagtcc tattngatta caagggggag ggaatgtttt 420

caaattcctt tgtctcaaaa ggtgtacaaa ttaattgagg atttttcttn tctcaaccac 480

tccatccttg attaagacct atgctaccaa cgac 514

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gttccccag atccagcaga gtgaaagaga aaaagccaga tcgcatttaa tgcacacatt 180

tgttcttgat tcaactgact gccaatgaag tgtcttctga aaatttgtgt taaatacatg 240

caaggtattt ttcttgtcat tctctacaca tttcagctat gtcgttaacg tcatatttag 300

tgctntaagt actccagaga taattnaagt atctgaagtc agtcagntca tgggcatttt 360

caactaaant cacagttact ggaaggctga gncnagagga tcancccagn ccagccagag 420

taacaagaag atcctcatta atacagacca gacccacaat cacagctatt cagacagttg 480

aggcaggaga atcaaaactt taaggcctat tctgggccac ag 522

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tgtttcctta gaagaagtgt atgagtttga caagtactac acagaatact acgccactcc 120

ggagagcgct gtactatatg agacagttta ccagaacctt gatgatgacg aggagantat 180

ggtggnaatc anggcttcca gcaaagaccg taacctcaag aacctttctg caatnatgga 240

cggcatcggc tgnaaccctg agctcaaatt gctgaggatt cttcaggcca ctgaggagga 300

agatgaggaa ggccataatt ctagggcaca gagtaanacg tctctagaag cttagctcaa 360

atcatnactt tggncanctt tagccagaga nttcttggta ttctgaggac aacaaccttg 420

gacacaggga agaaaagaga gaatgttgtt ntntggatcc tccagcagga ccaggcccta 480

gataccctgt attnttcatt tantctttac ctccaaaacg agtaagaaaa agccctaatc 540

ctatggaata 550

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gaggaagagg aggaggaaga agaggagctg ggggccgaca tgggcccctt gcagtggtga 120

cttcttgcta gaatttggtc tgcaaggaga ggggaattca gctctgaacc agtgccctgg 180

gcctctcaga agtgtttggg gccntcttat cctctctgtc ctctcacttc cagccttgct 240

agcatttgga catgaacagg cagaagccct ccaggtagct ctgcagtcat gtgggtcatc 300

agaagctcca ttatctcctg gttaatagtt gcttacttgc cgtcccagtc acttggaggg 360

gaccctggga ggcagaaggt ttggtctaag tggcatttag atctgagctg gcat 414

<210> 8659
<211> 141
<212> DNA
<213> Mus musculus

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gcttcagaag ttaacggaga ttccctggct ttattacatc ctccgcccca gtgaggacga 120

ggagcctcct ctggattgta c 141

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cctcatatgt actacctgtt tgccttcctt ctcttactct tcttaatttt tatgatttcc 180

tgttcagaag ttacagttct gctatgctat tttcggctgt gcgctgagga tcgtggttgg 240

tggtggagag ccttttttgac cancagtttt acatctgctt atatttttat atatntaatt 300

cattactttt ttaccaaact tcaantcact agcattggaa gtacttttat gtactttggg 360

tatgcattta tcctagtgct agctttnttt cttttcacag ggacaattgg attttttttct 420

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gcaggagaca tgctgnggga gactagagtc agtcgcctct tgacctctaa gctcagaaaa 180

gctgagatct tagatgattt ttttctaaca tcacccacag aggaaaggaa attggaaacc 240

cnaactttcc ccaaagatta taattctcaa atgctttaga acaatatttc tatttctggt 300

cagtttttc tctctctctc tcatttagca caaagagttn aagggagagt taaaatataa 360

ctcaggacag cgggtctgat ctggggccat tngtttagtt gcacagatct ccccatcccc 420

acacaaaaac accagaaact ttggcttctt cttnttcttt ttttttnaa agtgaaaaat 480

gtttatgaag acttggacac ttttatcctg a 511

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gctattttcg tttgagcaac agttcttatt cttaactcct atatttttat ctcaaaaatg 120

aaagaaatgt ctatctagag ctattttggg caaaagtatc tggagaggga cagagtggga 180

caatggcttt caaaggtaca agcacctttc ccctgactgc acttcctcct ctcaggagcc 240

tgcggaggag acagcttccc tgggttcttt ctagtgtcag ccttcagggt gatctaggaa 300

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accgccacca gctggaacac atcatgacca ccaaccggct ggatgaaacg gagctgggcc 120

cccttctgcc tgactgattt tgactaaggg ttataaacag acgctcttga cacgaggtca 180

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ggaggccagg agcatcgtgg gcagat 266

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tgctgtccag tagctgtgca tgtattccct aantnggtga nnttcatggg nnccntnnca 120

cctnagaann gcnnccngac ntttngttac angaaaanac nctgngatga ggccnnnccc 180

acantnatga caggacagnt tnaanagagc aaggctataa tagttaaggt tagaaaccaa 240

natttgaaac atgaacantg ctttnttggg ggcaaagtgc taagctccac ccnggaggaa 300

ntcaggttnt ggcatcctgg agctcagagt ccagcacacg gtcattgagg tagcaagt 358

<210> 8665
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctatgaatga atgtgagtgt gtgtgtgtgt gtgtgtgtgt gagagagaga gagagagagc 120

gagctntgan tgnnngnnnn nnngtntgtg tgtgtgtntg ngngagagag agagagagag 180

agagctgtga gtacacatgg gtgctggtgt gggacaggag cagatcttgg tggagtgggt 240

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<210> 8666
<211> 104
<212> DNA
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<223> n is a, c, g, or t

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aagacagatc caaactacca gacgctgaca tcacctctaa tgtt 104

<210> 8667
<211> 225
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tggatgacaa acattgtaag gaatatactt tcctccaaat gaatataaat tctatgaaan 120

tntccaaaga cctttgaaag gaaatgntcc gccccttcc tttaccagca atatctgttg 180

aagcagtatg aaggggagag gtgaacactg gattgtttta gctct 225

<210> 8668
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (136)..(136)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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angcatttnt aaaatggatg acaaacattg taaggaatat actttcctcc aaatgaatat 120

aaattctatg aaantntcca aagacctttg aaaggaaatg ntccgcccct ttcctttacc 180

agcaatatct gttgaagcag tatgaagggg agaggtgaac actggattgt tttagctct 239

<210> 8669
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aatcccnaaa cttctgctca tgtcaatgct tggcgtggga agaaagac 108

<210> 8670
<211> 139
<212> DNA
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<223> n is a, c, g, or t

<220>
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<222> (65)..(65)
<223> n is a, c, g, or t

<400> 8670
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gtttntgctt tttctagtgg catgatgtaa tggcaagaat aagaactttg acattagatt 120

tcctgtattt agattcctg 139

<210> 8671
<211> 199
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggttttnttt agtttcaata gaagtttttt tgtttgtttg tttgtttgtt tnttnggtgt 120

tgtttggttt ttgtaattga tttaatattt tgataaggct atacactgta catattgact 180

gcccactttt agttactat 199

<210> 8672
<211> 88
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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acagacctta gcgattttcc ataaaatg 88

<210> 8673
<211> 85
<212> DNA
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<223> n is a, c, g, or t

<400> 8673
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gcactgcttc cctcatgtgt gcagt 85

<210> 8674
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttatttttta gcagaagtca gtattccagc caggcagttt ttcagcattt nttntcccct 120

tcccagagcc cgtgtagttc cagtg 145

<210> 8675
<211> 148

<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tccttcccag tggccaagca cattaatttt ttcatacact gactgttatt ttaactgtta 120

nttttatata gttgggacat cagctgac 148

<210> 8676
<211> 135
<212> DNA
<213> Mus musculus

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<222> (76)..(76)
<223> n is a, c, g, or t

<400> 8676
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atcggatggt gccagntaca gggaacgaga tgccctggac caatggggca cgggtggagc 120

gtataaaaac acatc 135

<210> 8677
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<400> 8677
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cctgttttga atcagggtgt taatatattg cccaatcggg acccaaatga c 111

<210> 8678
<211> 477
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tggnttgaga acncgancgt gtaattaagt gtggagaggg gtacagaact gaatatgaaa 120

tgtggccttt tcctcagatc ttataaccag tttaaaggcn caatagcaat taagaaacag 180

gtattttagt cgcagcgtgc gttgggccat gaatgaacat ttatctaggt ttaatgaaga 240

ttaggnatag ttgacctttt ccaaagatna ccaagctgga gtttgaacct ggttatcttt 300

nagagttaca tatgctttaa taaccattcc attctgttta ttgaattcat ggacacacaa 360

acccaaaagg tattttattc aattgaccag aattatttca caagtgcctn tcacatgcta 420

actacaatgt ttttacattc tggaaataga ttggcaattg tgtactaatt agcttta 477

<210> 8679
<211> 498
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gcaaaatgcg caggcgtanc acgagctaga ggccctagat tagctctgca gaagtgcggg 120

actatccgga tcccgcaagc ccgagccatg gagtcccagc gcaccccggc gtttccccat 180

acagccctcc accccgctgg tccctggttg ctgccaacag cgaccaggat ggcccgagct 240

cccagaaccc tccgcccttg atgctgtcta aggctcaccc gccgctcctg cagtgcaccg 300

tgccgaaggc caggagttgt ttcccaggag gtacgcgagg ccacggatgg accaggagca 360

ggactgcagt ttgcgcatgc gcagaggaag gggcggtgcg cccaacggtg ctcgtagtgg 420

ggtctccacg tccagtgttg gaagaaggac tgttgcctgg aaaacggagt cagctcctgt 480

ctcactctgt attgtaaa 498

<210> 8680
<211> 385
<212> DNA
<213> Mus musculus

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<222> (236)..(236)
<223> n is a, c, g, or t

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accgagaggc cttacttaaa ggagggctcg atggggaata tcaagatgac agcttagatc 120

tgcttcatta tttcacggtt acctgttatt ctggttatgg ggacgatgaa agggggttct 180

atgcagtgta tcgtgttgtc tttgagctga ttgcaaaaga agaactggag tgtatntcag 240

agggagatgt tgaggatttt ccaaccttcg gcgactccca gagcgactat gacacggtgg 300

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aagagtatga tacccggcaa gcctc 385

<210> 8681
<211> 537
<212> DNA
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<222> (341)..(341)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgtcaacctt tgtgggtcgc ctaagagcat cgcaaaccag atatttacat tatgattcat 120

aacagtgaca atcacagtta tgaggtagaa aggaaaggga ttttatggtt gggggttagt 180

ccaacaagag ggacagtgtt aatgcttctg aagcatcagg aaggttgaaa gccactgctc 240

tagagccaag tgagtgcatg tctagggttc ccatgtttac agtaaggacc ggctcaggca 300

ctgaccctct gagtcacgtg aatgaggacg aagaatttgg nataggtttg gttacatcta 360

tttctcatcc ccttattttc caccatttaa aaataataaa catgtttctt accaccgtat 420

gttcatatgg ataagactaa ntccaaaaag gtgactacat ccaaatttat atttcgggga 480

aataccatga gataattata gcatactggg catgtgtcca cacacggatt ggtttca 537

<210> 8682
<211> 373
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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aggcaactca atagaaggaa aagttttctg cttccagttt cagaggacca tgaccatcgt 120

aacgcggagc atgacagcag gcaaaccggg atggcgctgg agcagcagct gagagcttac 180

attgtggctc ataagctgaa agagactaca gggtattgtg tgggcttttg aanccttaaa 240

gtccacacca ctgtcacccc tgccccaaga aaacttatct cctaatcctt gccaaacagt 300

tctaccaaat ggggaccaag cattcaaata catgaaactg taggggtcat tccgattcaa 360

ccatacacaa gac 373

<210> 8683
<211> 494
<212> DNA
<213> Mus musculus

<400> 8683
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gctccgtcat ccgctccccc ctggccaacg aggtctcacc agagactgtc ctgagactct 120

actcgcagtc ctcagatggt gccatgcggg tggcccgtgc ctttgagagg ggcatccctg 180

ttttcggcac gctggtggcc gggggtatca gcttcggcac ggtctacacc atgctccagg 240

gctgtctcaa tgagatggct gaggacgccc aacgcgtccg catcaaagcc ctggaggaag 300

atgagcccca ggggggtgag gtgagcttgg aggcggctgg tgacaattta gtggaaaagc 360

ggagcactgg ggaaggaacc agcgaggaag ccccgctgtc cacccgcagg aagctcggcc 420

tcctcctcaa gtatattctt gacagctgga agaggcgcga cttgtcagaa gacaaataaa 480

acgcagccct gccc 494

<210> 8684
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agcttgttcc gagacataca cttgaacttc gtatcccgag ctcgcttgct gataaactcc 120

accgggtctg atggctgtcc gctctctctc tccgggaccg ctgagctgct ngcttcttga 180

gaaccnntcc ccggttgtaa aacgatgcta gggacgtctg gtcctcaggg ccactacctt 240

gagcagaagc gggcactgaa gcgacnctcg agcctcagcc tctactgagg agcgagggcc 300

cctttccgct cgctggttct gcaggctacc tcaggctccc ttctcagcag cgtgtttgca 360

cacgcttccc cagtttctag ctctgccttt acaacctatt tta 403

<210> 8685
<211> 438
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agtcnctcag aantcctgta taatggtggn acttcagtct tcagccctct ggcaccgtan 120

aactgacagn ctttnctgtg cagcangaat gatgaaggac ttagctatct tgttcttgca 180

aagcttggca gttgagttcc ctgcatccca gtttgtccat tccggacagc attcagtcag 240

catttgaagc acggacagtt tnttgcacag tggcagtgnc cacatttgaa acaaactcca 300

tagggagatt ntttgatgct caactttctt tgaagtagaa anacgggtcc tgttgccaaa 360

aanccttta ataataaaac atctttaaat gncatattct gtagatctct gatgtttcca 420

aaaaccatct ataactga 438

<210> 8686
<211> 541
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtcatctcat ccatccttta aatgactaac tttataaaat agaaatccnc ctcagaaatt   120

tgaaagtgaa gttcttattg gttgatgaag tttttaccng atngcttaat caggtaagaa   180

ggnctgtgct gcaaacncga cttcattttg aatttgaaaa gcttacacta ttatggaaga   240

ggaaagacnc cttttnnggg cagctgctga agtagtcctt nctccnagac ccagacttcc   300

ttcaggccta tgcttgcctt tgttctgtga tttgttctgt attcctantt ntntnatnnt   360

tgaagaccaa aagtcaagaa tctcattntg ctgactcctg ncanacaaaa gccacngaga   420

agactaaact gactgtgccn tntntcaatt tnatttaaac attacccagg gctgatggga 480

aagaagaacg ttcaaagatg gacanacccc aatgatcaaa gtccaaattg tgctacccag 540

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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catctcgagg tcttgatgtc catgatatca ctcatgtcta caattatgat tttccacgga 180

acattgaaga atatgtacac agagtagggc gcactgggag ancnnngcgn ncnggaatgt 240

canattaccc ttatcacaag aaatgattgg agggttgcca ctgaattgat taatattcta 300

gaaagagcaa atcagaatat cccagaggaa cttgtcttaa tggctgagag atacaaagca 360

aataaactan aaagagagat ggaaaaaaaa atgggaagac ctcaaggaaa gccccagaag 420

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aagtgttgaa acatacgtca ctatggagag acttggctga ttc 523

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gactgcccta ccttggaatc tatcccatct gaagacacca aactccagca ctattgcgga 120

tgcnaagaga ccagggcttg gacttggctg tgttcctctg ctgaaggtta cagctactgc 180

tgcacagctn tntttgtaca gatntcccca gataaagcca caatgtaagg ttccaggtgg 240

ccacacttat ttggagacac catttaacac ggttntgctt ntacttccat gagaacctag 300

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<210> 8689
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<212> DNA
<213> Mus musculus

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<222> (234)..(234)
<223> n is a, c, g, or t

<220>
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<222> (321)..(321)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgtctactta aagaagtata agcttgctga agaggacctt ggtataggcc tgtccttgaa 120

gcctgatgaa gctataatgt ataatctcag agcacaagtc cgtggcaaaa tgggactgat 180

agcggnagct atgagtgact acaaccaanc ccttnatctt gaagaatgct ccanagctat 240

gtgaatacag acttgtggtt tgtgcagtag gttaagtacg ttttcttcct gaagctgaaa 300

tatatttgtt gtgtagaaat nccaccattg ttnttgtatt tatcacactt attaagtggt 360

tattctttag aaccacttaa catat 385

<210> 8690
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<212> DNA
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<222> (127)..(127)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctagccttct tgctgtggcc cggtttattg gagagaagcc tataacgttc gttaagacag 120

attccantcc tggnctcttc cagaacatcc tggtggggac attagtggtg gccttcttct 180

tcctgctttt ccagttctgc ttgcatgtga acttccagaa aggggcctaa tgagatatcc 240

agccagagcc agctgaggtg agcaggtgag ccagagacgg agccctggac ccagctgtga 300

gccacacaca 310

<210> 8691
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttaatgaaat caggctgtga gaatacttgg gaagcatatg ggtaggnagt tatacactgc 120

tttggaacac ctcactgtct gcaaagagga ctttctttaa tcttgtacac aagcatagga 180

atactttcat taggggtact tgaaaactga ggcctaaccc ctacatggtg cctcgtatct 240

gtaactctag actnnggggt ttaggtctca ggagtcctgt gagtccgagg ccattgtgta 300

ccacaaagaa catgtatcaa atcccccacc ncccaaaaaa nctctcaaaa acatagcttt 360

cagacagaac aaacgaacgg tagactactt taaagctgtg cttagcatcc aagtagagg 419

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<223> n is a, c, g, or t

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cgaaaattaa tttttctggt cccgattacc ccagcatncg ccctcctgta ctcatcctca 120

ccgtcaagag gtgncctggg gtgagcgagc annaggtcta ccgtgagttc cagaatctct 180

gcaagttcga tgtcaggcgg ttcactcgaa gccagttcct gctcctgacc aataagttta 240

aggatgcccg cagtgtcttg aaggagtaca ggaaccaccc aaccctgcag gtctccttgt 300

accggtcctg gagacattcc cccaacatca cctgcctgtt acaggtctgc agcatagtca 360

ccacntgggc catgattgca tttctcctgg gaagacccat gccctgagag cagtgagcca 420

cctcagcttc tntcttagtc tctggagatg gccctcgtgg ctcgtttgta taaaccagtt 480

tgttttcatg cagacccttg 500

<210> 8693
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<212> DNA
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acaacggagt gtagtgaaag aaactctgna ttcaaatctt gagcactgca ctgcgtttgg 120

acttggggtc tgaggtgagc ctcagaaggc tgaaatgcaa aatactcaag gaaaaaagaa 180

aataaagttg tgtgtcaccc ctgcccagct aagatttttt ttcttttaag atagaagcta 240

tttttaattt tgttagaagc cctactgata gaaaaggtaa cctttagcag gtagatcgtt 300

gaaatgcacc ttgccaacat ttagctacat gcttatcacc acacttgaag tgatgataca 360

agaagccttt caatagctga tgaa 384

<210> 8694
<211> 460
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggcttcattt tctactaatt gaagagaaag gcactggctt tgaaaacaca aaccaanacc 120

agttccagtt tccggagggg actgtaggcc tgcagtatgt ggagtttggt ggaagatgct 180

aggcaaacgg ctattttcat ctcttgcacg attgcagcga agcaccaact gatgacaaaa 240

ggaagtactt caaaattttg ctagtgaata tgtggattga atgcccagaa gcagttatga 300

agcatttagt gtgccatctg aactttaact ttgatattcc taatgtattg atgtttacat 360

nttcatctat cttcttataa ccacttacgt attcatttaa ctctttatac acttctgaca 420

tatgttcgtt ttatggtaga ccgtttgaca catatccatg 460

<210> 8695
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<212> DNA
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<222> (412)..(412)
<223> n is a, c, g, or t

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aacttggatg tacctctccc tagggcgtgc gatggccacc tcatgtctaa gctggagcta 120

aggtgtggat gtggcctaac acccccccact cctttgcgat ccgatacatg tttgcatcct 180

tctctgggaa tcagccagta actgacatgg aagacattca gcagaggccg aatgagtgct 240

cccctgggct ggctgtgaca gagtgagggg ctcattagtc ctcacctacc attgcggctc 300

tctatggtcc cttgttcctt ctgggcgctc cgagagcaga ccgaactcac acatcacagt 360

tgatgcccta cctcacagtg tgtgtttgtg tgtgtggttg ttgttgttgt tntcgtttta 420

ctttgagatt ggttctatgt agccctaa 448

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<212> DNA
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<223> n is a, c, g, or t

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gtgggagggt gcttggtatc taacatgttt tagcatttgg atggaggggt ggtgctactg 120

ccagctgccc ggctgctaaa gataagcaag aatctgtgtc aggctttgag ccacacaaag 180

atcaggtcct atggcaggtc actggtaggc agcattaagc ccacataatc ctgtccacaa 240

acccacaggg gatgctacca tagttccaat cccaagacat gtcctttaga agccacatgc 300

aagttgggcc tctgccaaga ccacaggtag cctccctgta cacggactcc agcctgccct 360

gcccacgtgc tgaggtccca tgcttgaact ccagggcagc atgactcctc cctctgccca 420

gcagccttca cttcatccac ttaactgtca agagcaaagg catccactgt tcccaagcca 480

cactttccca gctcataatg tcaga 505

<210> 8697
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaatctccac atcaaatacc actctagcat gtgttcatat tttctcaaat attgtcctat 120

gcaccttccc cactttgtgc cagtgcaaat aagtatgagt gggaattgct attttaccac 180

ccctctagtg tatgatgcta atataaagcc tgccaattga tcnnntnnan nnnntnttcn 240

tntannnncn nacaaatgaa gtccctgaat tnttcacagc tgacacttaa aganccacaa 300

gcnacagttn ttatntcggc ttcagtgctc ttggtgagca acaatttgtt gtccacttat 360

ttgtgctccc ctggtcctac actccatcct ccatatgaaa gcgttgaaca gaagtgntct 420

gttttaactt acctagtttg cactgaacat tgctgtgtca ccgacagcct aagtcttttg 480

tcactacaca ttttgctcta gctc 504

<210> 8698
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<212> DNA
<213> Mus musculus

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<222> (263)..(263)
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<222> (275)..(275)
<223> n is a, c, g, or t

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<222> (277)..(278)
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<223> n is a, c, g, or t

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<222> (333)..(334)
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<222> (382)..(382)
<223> n is a, c, g, or t

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<222> (395)..(396)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaatagctaa tacttagacc tttagacagg cattgttcgc ccattgcagt ccttgagtgg 120

acatcctgtt ctttgtgcac aagtgtatct ttacaataga ttcctaggaa gttgnaccgc 180

cggctccagc cggttccagc gctcccaatc tctgcctnct ttgataaggt ttggcagctt 240

cccctcatac actctgctca ctntattcac cccancnngt gtgggagaat gcctgtttcc 300

cacaaccccc ntcccccgaa acataaacac ttnntcgtag ttttcaaccc acttcttcat 360

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tcatattgcg ttgctcacac ccacgtagga tggtt 455

<210> 8699
<211> 469
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (59)..(59)
<223> n is a, c, g, or t

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<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
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<222> (435)..(435)
<223> n is a, c, g, or t

<400> 8699
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gntaggatag aaaagagggg tccattttgt acccccaagc tatgcttttc accccttaaa 120

ttgaacaacc ctatgcttct ccgtgtttat ataatagcta gcacaacaca tttaggaatt 180

ctcaggcact gttgaatagg atctctcact tttaaggcta ctgatatatt ctatttaaag 240

aactacaggc aggcatggta caatcctaca gttacagtcc cagcacttgg ggggtgaggg 300

gggacccgag ggcagctgca agcctgaagc cagcctggct tgcacagtga gttccaggac 360

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aggtaaaggt tcctntccca actcttgatg acccaattca aatccctgg 469

<210> 8700
<211> 461
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (160)..(160)
<223> n is a, c, g, or t

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ctggaagaaa gattctttac agntaggnta tggtagcata aatgcacaat cccaatttac 120

tggttgaggc caacctgtgc tgttgcataa gtcaatacan acaaccacac agagcacaca 180

cacactaata ttctaaagtt caagattatc ctgtctaaaa aaaaggatat gcatataatc 240

ttatagtaac tatgtgttgc ttttttttcac tttagtactt taaaggtgtg tgtgtgtgtt 300

taaataattt acagaggcag agctggagag atgttttaag tggttaagag cactggctgc 360

tcttctagag aacacagggt ttgattctca gcacccacat ggaagctttt aacagtttct 420

aactttagtc ttaagggaat tgaaaccttc taatacatag a 461

<210> 8701
<211> 275
<212> DNA
<213> Mus musculus

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<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

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cagaagccac tcnccgtgtc atcaccattg caaaccggac tcactgtccc atctacctgg 120

tcaatgtgtc tagtatntca gctggtgatg tcattgcagc tgctaagatg caagggaagg 180

tggtgctagc cgagaccacc aacgcacacg ccacgctcac gggcttgcac tactaccatc 240

aggactggtc gcatgcagcc gcctatgtca cggtg 275

<210> 8702
<211> 456
<212> DNA
<213> Mus musculus

<220>
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<222> (268)..(268)

<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ttttatcaca gcaattcgaa tggaactaga acaggcaaca tctctagagc aatacctcct 120

cgcccagatc aataaggact tctcccagag tgcctggtac acagctccaa aagggaaagc 180

ggccctgatg aactccaccc ctggctttgt actagctcat gctatctgtt ccttttcctg 240

ccagtaatct agccttccta acagcagntn tgggttattc tttggagaac taccttctcc 300

attactttcc tagatccctg ttgtttgggt agaattgacc atactacctc cagttcagaa 360

ggcagatcat aagatcaaag cttgacttaa aaatgccttt catttttttc tgccaccaga 420

ggtttacgga tgaacatgta gcccaaacca gacttt   456

<210> 8703
<211> 435
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ggtatttctg tcattcttca cctttctgag ccttatccct agtgaagtaa gccttagtgc 180

aagtcttggg gagactctaa agtgcaaata gctgttgggg ggcttttggg tgagcaagtg 240

aaccaagaga gaccctggct ccccaccccc cgcccctccc cctccccagg gctgatgtgg 300

agctgctaac aggcttctgc ctgatctnta gcctttcaan ttgaagcccc acaaatcaag 360

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gagtgcacat ttttt 435

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cgacactgcc ccttgagcna gcgacagcct ctgggaccnc ggctcccatg ntntccttgc 120

tntccccaga ctgtngggag anggaattaa accctcagaa cacntntcct ncccagatga 180

agtttgtatn ttgcaaaggg gggggggnct nccttgtgta accacagatt tcctatttat 240

ggcatttcat tccttgtaaa tagcaccagg agacggggaa gagaacacac acatattttc 300

taagaaaaaa aaaaantctg ttacttttag aagggctcat gtgttcatag cagcctgctg 360

gagtccgtag atccgtcaga ccattaccgt gcacacgttg ccaaca 406

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaagattttg tcctccacgc cccgcccccc aggggtggat gaggttgcat cagttcacac 120

taacaacggc tttgtaaacc caaatgctga caaaggggag cggaagaacg agacaagaaa 180

gtaattagaa aaagatagaa aaaccatctg gcaaactttn atagagaaaa cacgaggaag 240

ncaacgatcc cacagatccc antttntaaa ntccgacgat gctttntgag cgagcaacct 300

acaaagaggc tatggcataa gggaaggcga gcagaaagcn taatggtgag accctgaagt 360

gcnttcaaag cagaagccat taaagatgag aaggagacca cttaaaatgg gcaaaatgtg 420

gcctgtgaag aacatttaat gggagtaagn tcttacgtnt caacccagaa atgcacgtgt 480

acac 484

<210> 8706
<211> 115
<212> DNA
<213> Mus musculus

<400> 8706
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tcaattctgt aattctacaa ccagtttagt tcaagcttca attgccccca aactg 115

<210> 8707
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<212> DNA
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naantccttc tggaatggac naacatacct ntgcntccca ccggttcaaa ggctaagagt 120

gtcatcagat aangtctgtg gcctaaaaca gagatttccc ttcttcactg gagtcaatcg 180

acctgatgcc cccaccagtg tatttggatg gaaggtccct tggtgtntca ttttcatgaa 240

actgtnaccg cattggatca tggtgtttga gataacctga gtccatt 287

<210> 8708
<211> 261
<212> DNA
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actctacaac tgtattacat cccagggctg gaacccanct catcttntgc aacaattaca 120

ggncagnctg gatgaagaca ctcaaccnac aatntggcca tctcangant ggttcatgag 180

aatggcttcc aaaatgnttt caagactggg aatgtttanc tatntgggag agaaaataag 240

gagactcagt ctacactgta c 261

<210> 8709
<211> 156
<212> DNA
<213> Mus musculus

<400> 8709
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catggaactc tgcaagatgg cagcaagcga aggcaaagga ctcagtattg ttctgatgca 120

cgcctgcatt cagcaactcc aggctgttca tgctag 156

<210> 8710
<211> 263
<212> DNA
<213> Mus musculus

<400> 8710
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acggcgattt caatatccac aatattgtca ctatacactg cgttgacaac gccttggtga 120

catcctcggt cccagctgct gctgactgac agacctagag aggcccatct actggggttc 180

gatctgaaga aatcgatggc cgaaaaatca cgcaaggatg aggatgtaga caaagaagac 240

tcaatatcga agcaagggca ggc 263

<210> 8711
<211> 368
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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aggaggaggc atggtggtag aacagtagct atgagcttgc atccttgtgt gaaagcatga 120

ggcagagggg aagagaggaa gagcagacag agaaatgacn ttgaggctca tccccaatga 180

caccccttcc aacaaggcca caccttcca aaacagttct gataactcag gaccaagtac 240

cacactgctc ttgctcagaa cccaagtttt ggtttccagc acccatatca ggtagctcat 300

aactgcctat aattccaatt cctgggaatc tgacaccctt ttggggattt atgcaccatg 360

tgtataaa 368

<210> 8712
<211> 365
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (266)..(266)
<223> n is a, c, g, or t

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<222> (288)..(288)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cgtggagtca caggaccgtg ctttccaacc tcagttctgc caatgaagaa cagtgttgca 120

aatttcccag gaagcagagg agaaagtatt tgtcccagca gctgctgcag ggaaggaact 180

gctntcttna cctgaagaga agtggagaac tgaaatncct canccgagga gaaagcctaa 240

ttttctntgc cagattccag cacctntntg ctaactgcaa ccattagncc ccaggggtga 300

cagtacagaa acacnaaagt atctgttgtg tttaggacac tatgtgggta gaaccccaaa 360

ctcag 365

<210> 8713
<211> 292
<212> DNA
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<223> n is a, c, g, or t

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ttctagatgc agtgttgccc ctnttntccc tcntcccttc ccagcaccag gggttccggc 180

tggtgactta caagatggta tntctgttat gaatctgacc cacagcgccn tnttctaccc 240

ctntcccttg ctgtttggac taggcaggag ttcctagtcc agcctgcttg tt 292

<210> 8714
<211> 455
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aagtagatga ccttggccag ccttcacccc ctcccaagtt tgggaagcaa gccctagttg 120

ggagtccagc tactgttgta gagagagacc agcaaggagc tcagtttaat ggttctgggc 180

agaagcccct tgctctggga atggcccagc tcccacagcc tcggaaaagg cggcgtgacg 240

gttttgtcac cagcaaaagg aagaaacgac gtcgtagcca gtaggaagcn gagggccacc 300

ctgctccacc tagcagcacc caaagtctat tttagtgctg ctgctccccn taccccgtgg 360

agaagcagtn tcagcccaat gntgtttttg ttttgttgtg ccagaagctg gagatnctgg 420

ggcaggtcag actggctagg ttgcagaggt cctgt 455

<210> 8715
<211> 462
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<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gttgttgctg cccctgctgc ctccagcaga tagaaataca agctcctcct ggtgtgccag 120

tgggttatgt tattcaaacc tggcacccat gtcggccaaa gtttacagtt caaaatgagg 180

agaaacagga tgttctaaaa attattggtc caatctgcgt gtgcaacatt ggaggaagca 240

tagattttga gatcaaatct cttgatgaag aattcgtggt tggcaggatt tccaagcact 300

ggtctggtat tctgaaggag atactgacag atgtagacac ttttgggatc cagttccctt 360

tagacctcga tntaaagatg aaggcggtga tgcttggtgc ttgttttctc ntagacttca 420

tgttttttga aagtggtgga ggccagagac caaaactttt ct 462

<210> 8716
<211> 490
<212> DNA
<213> Mus musculus

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<222> (332)..(332)
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<222> (378)..(378)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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ggagatttga atttcgagtg gtcaccccac gcctgcacta ctccacacct gcgctacctc 120

acacctaagc tgccccacag ctgggtcact ccacacccaa gccactctcc acctgtgcaa 180

gtcnccccac acctgcacta cttcccacct gagctgcccc acacctgagc ccacacctgg 240

atttgggggt ttttcaagtc atataaaatg gtttatctgc cctgctaaca cctcttaggg 300

aaggaatcnc cttaacagca catgagggga cnttacacat tcnttaccca cgagtggnag 360

tnaggggant cntggcanga gtcagttctc tnttcctaag acataggttc tctactgcca 420

ccggtgagag ttccagggac ctcaggctta gcagaaaatg cctttgcctg cgaaccatct 480

tcaacaggtt 490

<210> 8717
<211> 327
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcatacctat tctcaaggta tggcttaatg gcaggtagac taatgcatgc tctctaccta 120

ctagncctta caggcaggga tgcatagttn acatnactgc gttgcatttg tattgaagtt 180

ttccccttc aagttaccac tttttntcct atctataccc atgttgtgct agcctacaca 240

cactaaaaag gattgtaaca tatattaaac ttcacctcac tatgctacga ggtccaacta 300

ttaaggcttg aagggttttt atgacat 327

<210> 8718
<211> 167
<212> DNA
<213> Mus musculus

<400> 8718
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taaacactgc aatgtgtatg aatatacgta ggtttcagag agttaaaagc acacagcctt 120

ctctggtttc agataaacca aaatatgttc ccggcaaagg aaagaag 167

<210> 8719
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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caggacaaca aggatgggtc gtaccgcgtt tcctacaccc ccaaggagcc tggcatctac 120

accgtgtggg tctgcatcag agagcagcac gtgcagggct caccattcaa cgtgaccgtg 180

aggaggaagc atcggccaca tccgggtgtg tttcactgct gcaccttctg ctccagtgga 240

ggacagaaag ctgcccgctg tgcctgcgga ggcaccatgc cgggtggata ccttggctgt 300

ggccacggac acaaagncca cccggnccnt ccacactgnt cttgctgtgg gaanttcatt 360

gagaagtccg agtgctcntt cacgagtggg cagggcgccc cgaggantct gcttaggacc 420

gtggcgctct gatgcttcct ggggacaagt cgggccaggt aaccctgaag ctagcataac 480

ttcagctatg cagagaaccc agagcttgag tagttccaaa 520

<210> 8720
<211> 542
<212> DNA
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<223> n is a, c, g, or t

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gacccgggct gtggcagata taagcagtga ggatcagggc cctagaaatg gagagcctgt 120

ggcagttcac aaggtgctgg gtgatgccta ttcggagctg tctgagaaca gcgaatcatg 180

ggagccaagt gctcctgagg ccagctcaga gccttttgac acttcaagtc cccagtctgg 240

acgtcaactc gaagcagact gaatttnatc ttgattactg tgaaggaccg gccagtctgg 300

gatgctgtat gccatgtgga agggccaaaa ctgccacata tcatcttgat ggccagctgc 360

caggcaccag gagagcctct ggagcctcgc tgaacccaga acctnccacc nccccaacca 420

ccttccncct gacatttctg agcaaatagc aatggtttct catcanccca tcttcccaca 480

gagcaggacc tttccatggc ctcccaggga caattcagat tgcatatacc tagacccaga 540

at 542

<210> 8721
<211> 508
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctctgtgta gccctggctg tccaggaact ctgtagatca ggctgtcctt gaactcagan 120

gccaccngcc tctgnttctt gaactgctgg gattaaagan gtacaccagc naagcccagc 180

ataaaaatac anatntaaat aatttttaa ataatccnta gntccttcac aactctaagc 240

cccttcactt tctagttacc atgaaattnn gagcacctnt atccatttgg atcattaggg 300

ctcaattgca catggttcaa ttacagtggg gtttccccag attttagagt tagaggcagc 360

aggatcagaa aattaaatcc atttgcacta ggtaataaat ttgatcccac cctatctcaa 420

aaacaaaaca ctanccacac gtggcagcac acacctttta caacaggact caggagcctg 480

gcatgatggg acagaccttt actccctg 508

<210> 8722
<211> 422
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (397)..(397)
<223> n is a, c, g, or t

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aagcatagca gttctcaaaa gattctaaga caagtatatt gtattaatac tcagctatag 120

ttagcaacat ttagctttta acttaatgtc ccagaggaac aatgaagttg gaaggtgaat 180

tagtccagag gtcagagaag ttactagctt gggcatcagt acttgagtca tcctgatatc 240

atgttatttg aagccatagg ataatctgag aatgagtgtc aagaaggtct gagggctagg 300

ttctgtgaga gganttanct ctggccagag tggctttaag gactanctct ccttanccaa 360

gggacactct ggtcctgtaa ncactttntc cctatgncac tctcaactct ttttcttttg 420

tc 422

<210> 8723
<211> 521
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

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acttgctggc ttacctggaa cagattaaat tctactccca ccagctgaaa atctgcagtc 120

aagttaaagc agagatccaa aatctggggg gagaactcat cgtatcagct ttggacagtg 180

tcacctccct gatccaggca gccaagaatt taatgaatgc tgtagtgcaa acagtgaaaa 240

tgtcatacat tgcctccacc aagatcatcc gcatccagag ttctgcagga ccccggcacc 300

cagtagtcat gtggaggatg aaggctccgg ctaagaagcc cttgattaaa agagagaagc 360

cagaagaaac atgggcagct gncagaagag gctctgccaa gaaaaagatc cacccagttc 420

aagtcatgag tgaattcaga gggagacaag tctactgaat accctcatcc actctagtgc 480

ccatttctac accccaggct aaccacactg ctttatttca t 521

<210> 8724
<211> 494
<212> DNA
<213> Mus musculus

<400> 8724
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gagtcagaaa cagtacagaa gctagtttct acatatggaa gttctctgtc ttgtaccatg 120

ttttcaagta gctaggacat tcactgttga aagatacact agtctgacat atttggaact 180

ttattttata atttaaaact tttagtagaa acatggatca ttactgtttt gtaattgcta 240

atcacattgt ataacttttg atataaggta aaaatataag gtgaaaattg gtgctaataa 300

tattgattac ttattgaaaa tagtaatgaa atgttcacca ggaataagaa tttaggttct 360

ctcttttgaa aaagaactct actagttata gtagttgaaa ggattgattt atttgtatta 420

atgcatgtgt gataagatgt tctaacttca tacttttcaa atcatataaa gatgctatgc 480

acagttgaat atga 494

<210> 8725
<211> 498
<212> DNA
<213> Mus musculus

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<222> (258)..(260)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (461)..(461)
<223> n is a, c, g, or t

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tggtgatggc acacaccttt aatcccagca ctcaaaaggc agaggcaaag gagtgaaagg 120

ccaatctgct ctataaaatg agcttcagaa caatcatggc tatacgaaga aaccctgtct 180

taaaaacaaa acaaaacaaa acaaataaaa acaaacccca aaatatgtgg atacattatt 240

ttaataatct nnnnattnnn tnaattttta tgatgcntta tgnngtcnan ataattcaca 300

agantnttna tacctnnnan aacttgatga aataggagat tcttccaact acnagctaga 360

catcgaggaa actgaggctg agatgtgtat anccagttcc aagggtaata atagtatgtg 420

ttaccaggaa gggttcctta ctctagtaac ttcagactgt naggtatgag aaaggattat 480

ccctgcttgt ttctttac 498

<210> 8726
<211> 537
<212> DNA
<213> Mus musculus

<400> 8726
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cctgcttttc aagttctaaa tgaagactgt catcaatagt ttcatttggc tgttcggccc 120

ttttcttcaa gaccattttc ttcaacaaat cagaaggctt catctgcaca agatatcgat 180

gcaggaccga gatctgtcaa gagaagagag actggtcaag tctgagcagt gcattccttg 240

agctaattcc agtgtgccca tccccatccc ccagttctct gctacccatt tttctgtttc 300

ctccaaagtc ctcaaatgct tcagatccaa caaaaggcag tcctataagt gctaccactg 360

tttacaaagt caccagaact catcgtggtg ttcctatata tgcatattca tatgtctcta 420

ctgacaagaa ttggaggcaa accacattaa gttctattat ctataaagac cacgtgtatt 480

aaaataagta taagatgtgg ttaatagctc tgaaacttct aatcctatca tcacact 537

<210> 8727
<211> 525
<212> DNA
<213> Mus musculus

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<222> (299)..(299)
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<222> (356)..(356)
<223> n is a, c, g, or t

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<222> (361)..(361)
<223> n is a, c, g, or t

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<222> (363)..(363)
<223> n is a, c, g, or t

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<222> (405)..(405)
<223> n is a, c, g, or t

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<222> (416)..(416)
<223> n is a, c, g, or t

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<222> (483)..(483)
<223> n is a, c, g, or t

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ttcaagctgt ccagggccga ctgggataca gaccagtgga aaactgagaa ctacatcacc 120

gaaaatacag aaacccaaag caaactgaag agtttgggac gaagtcagtt tggaaaagaa 180

gtctcagagt tcagctacaa taacaaagtc accttggcga tatctgtgac cgtcgtagtg 240

atagttttga ttatcatttt ctgtctcatt gagatttgtt cccacagaac aaaaaaggna 300

gacaaagaaa agcacaaatg gagaaagaaa tacaaggaaa gaaagaataa ggaaanatat 360

ntntggataa ggttgccacc tcggcttaga aatatactca aactngacaa gaaatntggg 420

catgatttac gggccaatac tcaggataaa ttatgggagg tcaagaaaag atcctcggtg 480

aantcgtccg cagaatcgag tgaagtagcc gaaaccccac ggtga 525

<210> 8728
<211> 408
<212> DNA
<213> Mus musculus

<400> 8728
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aaagttgctc agagtctgtc tggcaatgga tgctggaagt tggctgagtc actggggctg 120

tctgccgcac caactgcaca gaacatgcta tgtatcggct tggcttctcc cagcatactg 180

aatggacata agtcagaacg tttcaagaga caagagaacg cctcacattc cttaaactgt 240

ggaccaggaa gtggggagag ggtcacttca atcatactct attgcagcca caatgacttt 300

caacaaatcg gcgtagaggg catgtttaaa agctaccaca atattggacc caatgtttaa 360

gcattttatt tcaaatcatt tatatgcatt ggctcttcat aattagta 408

<210> 8729
<211> 287
<212> DNA
<213> Mus musculus

<400> 8729
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cctcattgtg tcctgaagat ttttcacact tttaaaatga ctttccttag attcaccatc 120

acaatggaat atgacaagaa ttaaaaacaa acaaacaaat aaaaaccttg tgctatgtga 180

atcaggagag tcagacactg aggagtgtgg cttgctattg tgaaatagct ccggttcaga 240

tacagcttag acaacgacta actgaaaaca agttgccaaa attctct 287

<210> 8730
<211> 335
<212> DNA
<213> Mus musculus

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<222> (26)..(26)
<223> n is a, c, g, or t

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<222> (130)..(130)
<223> n is a, c, g, or t

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<222> (186)..(186)
<223> n is a, c, g, or t

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<222> (220)..(220)
<223> n is a, c, g, or t

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<222> (248)..(248)
<223> n is a, c, g, or t

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tatagatcct gaggtcagaa gaaaggtgca gcctccagtt gtcgaagaat ccttttttaa 120

aatccctccn atggtttgtg agatgtctca gcaggatcca gagggacaga agagaacatc 180

agagtnctct agaattagag ttacaggtgg atggaagccn ccatgcagcg ccaggacttg 240

aacttggntc ctctagaaga gcaactagtg cgcttaacta ctgagacaag tttccatcct 300

catcctccat gatgctgctt caaatttcag cctga 335

<210> 8731
<211> 157
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
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<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

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<222> (74)..(74)
<223> n is a, c, g, or t

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<222> (101)..(101)
<223> n is a, c, g, or t

<220>
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<222> (110)..(110)
<223> n is a, c, g, or t

<400> 8731
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aacactggtg ggancctgg tgtccgtgag ggttgatatt ntggaagaan ccctgggtgt 120

gctgttaagt tgtgctatat ttgccacaga aacagta 157

<210> 8732
<211> 106
<212> DNA

<213> Mus musculus

<400> 8732
ggttttgaca gccacatatc ctgattcttg atctgtgcaa gggcactgaa gatggatgct 60

ttagaggaag ttacctgctg ggaggaatcc ttttgagagg gacaaa 106

<210> 8733
<211> 136
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<400> 8733
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acgttggccc aaaaacagac ttgntcatta caaaccctga agatcctaac aaggtgcaaa 120

atgtgcttac agcaag 136

<210> 8734
<211> 152
<212> DNA
<213> Mus musculus

<400> 8734
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agtttagcaa agaaatgctt gcacattgac ccagacaaaa ggcccttctg tgctgacctt 120

ctgcgccatg acttctttca aatggatgga tt 152

<210> 8735
<211> 253
<212> DNA
<213> Mus musculus

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<222> (69)..(69)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (141)..(141)
<223> n is a, c, g, or t

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<222> (203)..(203)
<223> n is a, c, g, or t

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atctcaaanc nnaanntnnt ncggantcag aaatnatcag aaggacantt ctctaaatgt 120

gggacttaga ggaagattgt ntcatccatc cgtatcaggc aggttttggt atttggtcgt 180

gtaatacctc acagccaata ttntatacca ccatactgtg cagaagtctg aagaagaccc 240

cactaccaat ttt 253

<210> 8736
<211> 268
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
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<222> (66)..(66)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (113)..(113)
<223> n is a, c, g, or t

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<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
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<222> (222)..(222)
<223> n is a, c, g, or t

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cagtanttnt ttggactgga cccagaactc ccgnccgtgg agaccgagaa ctntnttacc 120

agtttaagac tgatgtcaga atttagaaag aatngcatga taggactttc ggatttcttc 180

gttggaaaaa agataatata gaaagccttg aagagaaagt tntggaagca gagcattgat 240

acttgtttaa tgttgaagcc atgcttag 268

<210> 8737
<211> 100
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<400> 8737
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gaaggtggac cacttcctaa ttgtttcaca actccattac 100

<210> 8738
<211> 69
<212> DNA
<213> Mus musculus

<400> 8738
gaacatcttt ttcaaatgcc agactgtgga agattcttgc ttattcctgc taccaagggt 60

tcttctttt 69

<210> 8739
<211> 142
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<400> 8739
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tntggaagtg acacacttct gtttttctgt gtgaattcaa gccctggaca tggggcatgc 120

tgggaaagtt ctgacttcct ca 142

<210> 8740
<211> 187
<212> DNA
<213> Mus musculus

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<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

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gtntccaagt ttttcaggag aagacgccga tcaacctgaa gctgagacca gtggaatcct 120

agatactggg ccgggccaag gactgtgatc aagatcattg gctgcgcagc tccttgcttt 180

cccaaga 187

<210> 8741
<211> 81
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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accaatgaat gctgaataat g 81

<210> 8742
<211> 60
<212> DNA
<213> Mus musculus

<400> 8742
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<210> 8743
<211> 177
<212> DNA
<213> Mus musculus

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<222> (34)..(34)
<223> n is a, c, g, or t

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<222> (93)..(93)
<223> n is a, c, g, or t

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<222> (100)..(100)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (117)..(117)
<223> n is a, c, g, or t

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aggaagatga ttttataagg tgtatgtaag aanttatttn ttagcagaan tcagtantcc 120

agccaggcag tttttcagca ttttttttcc ccttcccaga gcccgtgtag ttccagt 177

<210> 8744
<211> 155
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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ttcctggaca ctccagatct ttggatattg accaccttta cagggaaaaa aaaaangaat 120

gatgtgttct gtaaacaccg agcaaggcat agaaa 155

<210> 8745
<211> 156
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<222> (124)..(124)
<223> n is a, c, g, or t

<400> 8745
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ttttttttc ctatatgata gggccagtgg gggaaaaggt caaaaaataa ttggatgctg 120

gatntctgta actaccaatt tcaatttgga cagttt 156

<210> 8746
<211> 82
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8746
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agcacgctag tttggacggt tt 82

<210> 8747
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<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (45)..(45)
<223> n is a, c, g, or t

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gtccctggct gggactgggg gacagaggat caagcctagc caggaccttt gtatttcatt 120

tcacaa 126

<210> 8748
<211> 44
<212> DNA
<213> Mus musculus

<400> 8748
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<210> 8749
<211> 120
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8749
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tttaccacgt tttttggaga tggcccctga tcgattttta ttggtccact gaaactataa 120

<210> 8750
<211> 171
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (93)..(93)
<223> n is a, c, g, or t

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<222> (136)..(136)
<223> n is a, c, g, or t

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aaaagcatgc acaaattntt ttaccaaaag tgntcagcct ggggacactg attttcctta 120

atgccagagc tgttcntttg ggtacggttg cttttccata tgggctccaa g 171

<210> 8751
<211> 87
<212> DNA
<213> Mus musculus

<220>
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<222> (46)..(46)
<223> n is a, c, g, or t

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catgctggga aagctttgac ctcctca 87

<210> 8752
<211> 42
<212> DNA
<213> Mus musculus

<400> 8752
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<210> 8753
<211> 518
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (179)..(179)
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<223> n is a, c, g, or t

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<222> (271)..(271)
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<223> n is a, c, g, or t

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<222> (482)..(482)
<223> n is a, c, g, or t

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ggtttaaagc ttaaaaacta atagactacg gtctcagaac aatcatgggg ctggttttct 120

ttcacattaa gctctgaaaa ccttatcaga aaactttcaa gtgaacaaaa tcatacatnt 180

tcagcctaaa tatcaatttg tattgtattt tatctccata attatttcaa ttttcatgtt 240

ttgacttagc tataatatac attatttant ntatgtcaat atagaaataa tgatttatta 300

atacaatata tattaatact aagaaaatgt ttaactttat ggatgttaca agtggtttgg 360

aaaccttaaa caacactgct gcttttatga ggtntcagtt aaaccagcgg tgggattaca 420

aaaaaaaaaa aagagtccct tgaataaaac tgagaggctt ttaaaacttt agttctaaga 480

anttatccat ccattgtttc aacatttgcg ctttgcat 518

<210> 8754
<211> 114
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (69)..(69)
<223> n is a, c, g, or t

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<222> (83)..(83)
<223> n is a, c, g, or t

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<222> (87)..(87)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<400> 8754
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attatgatnc aaacaaggtg tantccntna actagagtgg attgcaggat gctg 114

<210> 8755
<211> 518
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tagcttataa ggacctatga ctagtttgca tatgtttaaa ctgttcaagt atttgctaca 120

acatagaaaa aaaagccaat tttctaagtg tggcagccca tatctctaat ctcagcactt 180

gagaaaatta ggcagaatgg ttcataaatt caagatcagc ctgggttaca tagcagcttc 240

caggacacac tggtttatat agatctgccg caaaacaaag aattaatact agattctgtc 300

aangtaaagg ctactttccn gatcagggat ttttttttc tttnttcttt gcttgcatnt 360

nactgatttt tgttcattaa ttagcagttg cagcataggt gttatcctta ttattgtaag 420

tctntntntn ttnatcccat tggaaaagat taggaaaanc ctgatacctg taatntntac 480

gaagactttc ttatcaaccc tgggctgcgg agaagtgt 518

<210> 8756
<211> 481
<212> DNA
<213> Mus musculus

<220>
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<222> (212)..(212)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (236)..(236)
<223> n is a, c, g, or t

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<222> (394)..(394)
<223> n is a, c, g, or t

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<222> (396)..(397)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aaccttacaa ctctgagtgc ccacagactt tcagccagag cacatacctc actcagcatc 120

agaagattca ttcaggagag aagcttttgg ggtgtgagga ctgtgaaaaa gccttccagt 180

gtcactctgc tctcaccaaa caccagagat tncaccctnc tgtggctgct gtaggnacat 240

cattaacata gttgctctgc taactttggt tttatagaaa tgaatcagag tgggaggagg 300

aactccttaa agtaaatttt tctctgtcac atggtgggat ggagagccca ttgggctgtt 360

ctgatccaag tatgttatta aaacaacatt gtgncnngct gctttaagtt tnttctgtaa 420

atgaggtgaa atgaaagatt cagagatgat ctgaaaggta gcttggagtt ttatactcag 480

t 481

<210> 8757
<211> 92
<212> DNA
<213> Mus musculus

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<222> (58)..(58)
<223> n is a, c, g, or t

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gggtaaaata tatgcctggt gggtttgcct gc 92

<210> 8758
<211> 380
<212> DNA
<213> Mus musculus

<400> 8758
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ctccactgtc tccttctgaa agtcatgacc taagttcatt agaggctaat gtatttccga 120

tgtcgggttc acgcccagtc acgcacccct cataaatcag agcggctcta gcaccaaaag 180

actgtttccc tgagtagctc ccggcaccac acaggaatcc tctgattttg tttctcttgg 240

acctctgtgc ttggaccaca gatgctctgc ctagccacca acatgcacca agccttgtct 300

gcagagatac ttccatctta gcttccaaca ttgattacct gtgcctgtat tgatacttct 360

atcttagctt ctgacacttg 380

<210> 8759
<211> 556
<212> DNA
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<222> (272)..(272)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (516)..(516)
<223> n is a, c, g, or t

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<222> (518)..(518)
<223> n is a, c, g, or t

<400> 8759
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tgnnttacac tctacggctc ctcagagcca tggtttatct ggaagatgag actgtgaaca 120

aggacctttg tgagagaggg gttattcatc aactgataga aatttttaaa actatgatga 180

gcagacctgc tgagaaggaa gaggccattg ccttagaaat ccagtctgac acattactta 240

ttctgtcagg tctttgtgaa aattatatcc anaggaagga aatgtttggt actgaaggag 300

ttgacatagt tcttcatgta atgaaaacag accccnagaa tttacagagg ggtttaggct 360

acaatntcct tcttttcagt acgttagaca ncatttggtg ctncattttg ggatgttatg 420

attctgaaga ttattttctt gaaaaggaag ggatttttct ccttttggat atactagcan 480

taantnatnt ccannnnctg taacccgagt tagtantnta acacaaaaca taaatgcatc 540

catactaacc tttccc 556

<210> 8760
<211> 538
<212> DNA
<213> Mus musculus

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<222> (316)..(316)
<223> n is a, c, g, or t

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<222> (339)..(339)
<223> n is a, c, g, or t

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<222> (475)..(475)
<223> n is a, c, g, or t

<220>
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<222> (512)..(512)
<223> n is a, c, g, or t

<400> 8760

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agctgttcca gaatgttaaa atatacgtgc tcaggttgca tagtagcaag aaaactcctc 120

aacagccgaa attttagcaa gtttttgcac tcatgtgcat accagtgtgt tcaccataaa 180

gtcattatgg aagctgaaga caaatataaa aatgaactaa ggaaaacatt tatctgtgca 240

aaaaaaattt tgctgactcc ctgtagaaga agacaacttt gtaaagaatc tactgcctct 300

gaagaactaa aaattnttca tcaaaaacca gatagtaana aacttccagg tttggaggca 360

caggccttaa ataccagcat tccagaggct atggaaagaa gatcaccagt tccaggccag 420

agtggactac atagtgagtt tgaggcaacc ccaggctaca taggaaaagc ccatntcaaa 480

aaaagaaaaa gaaagaaaaa agaaaaccta cnaacttcct ttagcatgat gtgacctg 538

<210> 8761
<211> 445
<212> DNA
<213> Mus musculus

<220>
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<222> (314)..(314)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (386)..(386)
<223> n is a, c, g, or t

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<222> (416)..(416)
<223> n is a, c, g, or t

<400> 8761
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cctaagactc accactgggg ttgtatcctc tggctttccc tctgcctatg cccaagttag 120

cttctaaatg gaggatttag aagccggagt ctgaggttgc agtcctgaat cttcaacatc 180

ctttcccaag acccacagct ccatgaaagg acagttcaag ctctcaggat ttaggctgtt 240

tgctttgttg ttttgtaaac ctgggccctt gcaagcccct tccttcttgg tcaccgtccc 300

tttgctgagt tttntcaatt ttaagagtga gagtaaaagc aagaggatcc naacnccntc 360

cntntnatcc gntcctagat ttgganccca aggtggggag gtgggcctct tgacantcgg 420

gaagcaactg ggacatactt atttg   445

<210> 8762
<211> 423
<212> DNA
<213> Mus musculus

<220>
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<222> (371)..(371)
<223> n is a, c, g, or t

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attctggccc ggctcacctg gtgggagtac tcgtgggaca tcatggagcc cgtcacctac 120

ttcatcacgt acggaagcgc catggccatg tatgcgtatt ttgtaatgac gcgccaggaa 180

tatgtttatc cagaagccag agacagacaa tacttattat ttttccataa aggagccaaa 240

aagtcacgtt tcgacctaga gaaatacaat cagctcaagg atgcaattgc tcaggcagaa 300

atggatctta agagactgag agacccatta caagtacacc tgcccctccg acagatcgga 360

gaaaaggaat natccgagat gaccgtgaat cccggcagag agtgcgcctg tttgtaactc 420

acg 423

<210> 8763
<211> 491
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (440)..(440)
<223> n is a, c, g, or t

<400> 8763
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ctgcatctgt tcccaancca actgtggcac ccattaacac tgtgtgttca aattcggcat 120

cagctgtgaa agttgtcaat gcagcccagt cactcctcac agcatgcccc agcataactt 180

cccaagcttt ccttgatgca aacatctaca aaaataagaa gtctcatgaa cagctctcgg 240

ctctgaaagg aagcttctgt cggaaccagt ttcctgggca gagtgaagta gagcatctga 300

ccaaagtgac aggcctcagt accagagagg tgcggaagtg gttcagtgac cggagatatc 360

actgccggaa tctgaagggc tccagggcca tgatgcccgg agagcatggc tctgttctca 420

ttgactctgt gccagaggtn ccctttcccc tggcatctaa agttccagag gtgacctgta 480

tcccaacagc a 491

<210> 8764
<211> 441
<212> DNA
<213> Mus musculus

<400> 8764
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ggctgcccag gcatctgctt ctggaatgtt tcctgcacag agaagagaat aacagaatcg 120

gaagtgtccg gtgccatgtg actggatcac atggggaagc gctttatata gacatcagtt 180

ccatggtgtt aatttgaaat gccttaatgg caggcaaaaa accagtcatt tcattttgta 240

aattacagat tttatcacag agtaacaaat gttgctgtaa ttaaacttct gttttatata 300

tatgtatata tatacgtata catatctgta tatatacata tatatatata catatatata 360

tatatattct ttacttttt gtaacagtaa ccaggctcgc acacacaggg tctgctgcca 420

agttgcaaac cactcagtaa a 441

<210> 8765
<211> 154
<212> DNA
<213> Mus musculus

<220>
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<222> (26)..(26)
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<220>
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<223> n is a, c, g, or t

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<222> (43)..(43)
<223> n is a, c, g, or t

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<222> (46)..(46)
<223> n is a, c, g, or t

<220>
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<222> (116)..(116)
<223> n is a, c, g, or t

<220>
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<222> (121)..(121)
<223> n is a, c, g, or t

<400> 8765
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gtggacggag cacaaagcca tagtgttaga tagaggctgg tgatcagaaa ggacgntcat 120

ntccgttttg tacaggcctc aacaaggact taaa 154

<210> 8766
<211> 293
<212> DNA

<213> Mus musculus

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<222> (255)..(255)
<223> n is a, c, g, or t

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ttggtcctgg tgcttccaca gaacaatctc aacagcacct tcaggacttc cttctaagca 120

gctgtcatag tttgcaggtt ctttaacttg tgtgtcattg ataacaacat actttactaa 180

agacagttga gggaaaggcc caaaattata aaattcgttg cttataagct ttttcatatt 240

cttatgcaaa gtgantggaa gaacaaataa catctagatc tctttactaa aga 293

<210> 8767
<211> 492
<212> DNA
<213> Mus musculus

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<222> (94)..(94)
<223> n is a, c, g, or t

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<222> (216)..(217)
<223> n is a, c, g, or t

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<222> (349)..(349)
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<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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tcggaaaact gtgtcttacg ggtgggggtg gggnagggga agtttttcca ttatctttcc 120

tgttttgagt cttctcttcc ttttccttct tctctctctt tattttcttc ctttttaaaa 180

aatatatata taaaagtgaa aatctttaaa aaaaannntaa aagagagaga aagaagaaag 240

aactaaatca cctagcgtgg ggcatgtgac caagtctagc cagcttcatg gcacccccta 300

aatatgatct cccaggctgt ggagtgcaga ggggtggagc atctggagnc tgtgagactc 360

tagtggggag gtgaagactg tgcctgggga ccnantnagg gtggcaagag gggtgcaggc 420

tgggaaacat tgtgtgntcc ntccacctcg accccatctt tattgtacac tgtagctgtt 480

ctattgtaca ga 492

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ccctgtgttt tctgtggact gtctccttgc gtctgcaccc agccccatgg aggggacaga 120

cagtcctgac tgaacagatg aggactctaa ctacggagag gtggctaact ggtgaggaga 180

aagcaagacg taccagactc tccatcgctg aatttcccag taacacgtct tgtccttcca 240

cctgaatctg gtttacaatt tcgtcctgca agtcagctac aactcagctg aactcagtac 300

<210> 8769
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<212> DNA
<213> Mus musculus

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tcgcgccgcg caaggcgctg ccgcagccgc tgccccgcaa cctcccgccg gtcacctaca 120

tgcacatcta cgagacggag ggcttcagcc tgggcgtgtt cctgctcaag agcggcacgt 180

gcatcccgct gcacgaccac ccgggcatgc acggtatgct caaggtgctg tacggcacgg 240

tccgcatcag ctg 253

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<223> n is a, c, g, or t

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gccctttggt ttcaccccag aantgacacg aggaagggac tgtggntcaa ctagggactg 120

tggattcaga ctggggttnt ttggggtttc agtttcatcc cttccctgga agttttgtta 180

ccccaacact agtattactg cacagctttc tg 212

<210> 8771
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agaatatgca aatagctaaa tngtagcttg agacccttaa gaaatgagag ttactaaaaa 120

antgtgctta nanttgtgcc acgtaattct ccaacagata ctagaggtga ctgccccgtg 180

ctgtaaaact gccaagtata atcattctta aagaattgtg aagcataagc aagacacttg 240

aggaaatagc tattttccat ncanntnnat ccncanggan nttcacnnac naagttgttc 300

cattcatatt tacctatntc cttaaagtga cacatgatgt tatatttaag agattgannt 360

tggcataaan tcggggactt tatagcttnt aaactttata aagttgaaat acttttgatg 420

tgaactagtg antanatata agtgataatt gcagtaactt ggcta 465

<210> 8772
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<212> DNA
<213> Mus musculus

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aaatctgaca gccataaaaa ctgagccagg attttcacaa tgccctaaag gtcaaagtcc 120

tttgactgtg tatctaggct gggtggttct tgtctttcct aaaatggctg agaagacctt 180

cataaaggat ctagaagggt caccttctaa ctcagcaatt acgaatgttt gctttcaaac 240

atccttaaga acaggatgtc ctaacgagca gacgagctca cctggctgat tctcagcctt 300

cttcccaccc tccctgtccg actttcacaa aatat 335

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aaaaagattg cagataaagc tgatggaaat actatacgtt gccagagtga aatcactcca 120

tacacaagca gaagntgaat taagaaaagt tgctttagtg actgtgtgct ttcatgacag 180

gctaattatc agactcatca gcctagcata aatttgaatt caatatatgc tgtcactctt 240

aagtttcttt taggttgagt tcacagatta tgctttgaac aagttaaata tggactggag 300

actgcatatc taggctctta ggcagatgga aaatttacgt agtacagata ttgtaagagt 360

cgtttcttac ataaccattt tcctnnnaaa aaaaaaaccc acaaagatag cagtatataa 420

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cagtctatga ttgaattntg cacagatgaa caaatgacat ccaagtttc cccctntggg 180

tccnaacaca gttgtgactg acgctgagca ccattaggcg aggaacccat atagtggaan 240

caactgtctt ctagtcagaa ccaagcctgt aagcactgct gaaggtgggc aggacgaang 300

tagacttcag gttttacagt gttaaatgag gggcaaccgt ncctacagta gctcccttcc 360

ctnccttcaa cctccaacaa gctccacatc tagctcctnt accttcanaa cttgatgggt 420

ggtggtgttg gctattgcta gacat 445

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<212> DNA
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ctaggtatag cagaacaagc cagtaatcaa ttaattcttg tgaaattgtt tataaaatgc 120

atcttacaat caaatacaat ctataaccta atatttcatg tgtacttaat acttgtgaga 180

atgcattgta gcgttataaa gcataatcag tcagagcttt gtgctttatg tacttaaccc 240

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tgtaaatgtc aaaatttatg ttctaagttc tataggctga t 341

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ccgatacctg cgtttgtcca agaacaacat caagaccttg atcaagctgt gcaaggatgc 180

agggatggat ntgnacntcc acccccacat ggtggaggcc gagatagacn caaagaanat 240

nttcggacag cgattaagcg tagcactcta nccgctctgc ccactggaga ntcatccctt 300

ggcgactaag caccctgtta actagnttct gtagaccgca ccaggcgaat aantcaaatg 360

catcacacta gnngatntna nccntntnnt nagctnnant ttnnntnnac cnaggagtna 420

ccgggnagag agnttcctta ggggaanttt ncananattt ncctgtattc cantgcagat 480

anagacgggg gggggggggg ggnnctcaag ggttcaagtt caatgccagc ttgggactgt 540

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tcaaaattat aggaagttat ctttttattt tttacatcag tcacctcatt atacnnnnnn 120

nttttatttt aatgttaagt agaaaattaa gctataacta gaaataactt gaggaaaact 180

ttagtattct aagaaatgtt taatgtttac acttttaaag tgtaatcttt tatgttagca 240

tttagaagca tacaaccttg aatttagtan catttccaaa gcatatntag aattcatgtt 300

ttttngaatt tccaggncac ttaagntagn naaatgaaga gaattnantn gtgaaatgct 360

nttatgtccc cagtatgaga accagcatgg antcacagcg ccaccttgtg gtctccacgc 420

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ttttcaagnt caggnaagac aatttgaaag attcccctat tgatgtaaaa aattattcag 120

atgttaagtc atttcatcag gaatgaccaa taggctgggg aatttgcatg gatgtttacc 180

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tataaatata aatatatata tttaaagaca aggttttgat actttttttt taaaaaacaa 180

aaactacaag agaagactgt acaaaccacg ggcttttaaa atagnatttt gctctctaca 240

agctgttaat gtcaggggtg aggggtgagg gactggtttg canacacact atccaaatgg 300

atttgcttgt tttgtcaagc caccctccaa attaccatat ttggtgtaat agtaggncat 360

gtaaagttat tgggtcccat taaccatttc tgntnttgtc atntcattcc gggttccgtt 420

agntcccgta ctcgncaatc cagcttnttc cagaggcaga ggggctgaag gaagtgtgct 480

ccatttcact agctgtactg a   501

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<212> DNA
<213> Mus musculus

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tcaatctaag agtccaccac aacagaagaa aataggacca agttgaagga tgcattgggg 180

gcaaattaac cctcaccggg accgcactga tattaaagtt gaaggatggg gggcggggga 240

ggggactaat cctcatgggg accactcatc cacaccgatt atttctgcag tttatttacc 300

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atttttgggt cacttgcttt tgatat   386

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tggacatttg actaaactca ggagcttgca gtggtaatgt ctgagcaacc gagttttatt 120

tttatanttt ntcaatacaa gggtttactc tgtagctcaa gctgacttgg aactcctaga 180

tagcccaggc tgcactnaga ttgatgcaat cctcctctat caacccctca gtactgggac 240

agcaggcgtg aggagccatg caaacatcac tacaaactcc tggctgtgga tgtgccgtgg 300

ctgacaggtc actaaactaa aaccctgtgg gggacacatg acatctatgc aactg 355

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aatatgagac cctgtatggt tgtctaaaaa catactgtta gctccttcag tcacacctgt 180

ttggggctgg ctggtgaatc agaaggaacc ttgttgggtc tgctgctcac cacctatggg 240

gctgtgggca tggtggcagc agcagttgtt gccacttctg ctttggccaa gcacagtagg 300

tgatcctgat agtcagcagc acagattccc attgattcta gtctatgtat ttgcttatgg 360

ttggtacaat atttaatgta tataggcaga agtattatag ggtctttaaa tangtgaaca 420

tntgtngcan ngcttttana cttannacgn atatgatatt tttcanatgt caagacacac 480

tggtaaattt ctgttacata ttgttttcaa gttttctgtt agtcttgttt ctatgaggta 540

ctttta 546

<210> 8783
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ctacaaaaca acactacttc tccaagcatg acaaccgcac ttccttcgac aaaggtccct 180

actgcctgct gcagggaatc gggagacgga aagacctgga acgcctgtgg aagagacaca 240

ccttcctgcg ctgggcaccc tgtgagctgg aattgagcca acagccgcct ctggaatcgt 300

cctaccagac tgacttccgg tcaggcacag gactcgctag gctcccccag cgccttgtcc 360

agtttgtgca ggtccancct tcctatgcca ataccacnta ccaacacaan ttntnccanc 420

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cactncctga cntcccgggg atnacaaaac ccaagttgct gcagcact 528

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<211> 189
<212> DNA
<213> Mus musculus

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aactccagcg gcccggagcc caaagagaat gagcctccat cccctctggt gtctggcatt 120

attgattaca acatgcccct cacctctacc tacttgaagc agatgaagct gcgagtgatg 180

aactctcag 189

<210> 8785
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<212> DNA
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gacggtcaag attttgcagt tgaaggtgat gaggttggaa cacctggtac agctgaagga 180

ccagcggatc tgggagctga tgagnactnn acccnangan cntcagagnt ggangnngnc 240

ccnacccaga gtcnntcaga cctnnatcct gagcccaacc ggagctcctc actggtcatg 300

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<210> 8786
<211> 474
<212> DNA

<213> Mus musculus

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ggttcctgat gcagtcactg attggtagct gagtgatatg tgcttactcc agggcacttg 120

aatttgggct gtagttattt ttttttnnnn atncngtagn aacntntcna tttnaacttt 180

aactttgtaa atancgaagt gtgtaattaa ngccaatnan atatgggttt gaatattgtt 240

tnatcttatt atttttgata tgttttggta tcaaatttca aggaattgna aactagtaat 300

aacttggccc tagaaaccca tttatttgta ancaagctgc taaaacaaag caaagatgat 360

ttctcaatct attcattttg taagctcttt gtactccatt tgtacaagag catccccatg 420

ataaggttac attctgttat tccagcattg cttattaaaa tgatggcacc atcc 474

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caaccacgct ttggctttng taaaagatat tggccaacct gctcaccttc caggctccca 120

cttaatgcct aaggggggcag acacagtggt ccacgttcag gtggctaatg atccttttaa 180

ctgggtttct gcttctcggg atggaattgt gggtcacccc agcntcaggg ganggaactn 240

tgatatntgg angcccgagg tctcactgtg tgctcttccc aagtgcntgc cctttntgga 300

tctcagtgcc ccactnttca ncanagaant nagaccagac ctgggcaggg cntnttgact 360

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcctgactta tcagtgccca tcactatctg gcgttctgaa agtcccatag aaaagtgtca 120

ggaaagcaac gtcatcaagg atataaagag aaaggagaaa gagcaagatg aggaggagat 180

ggtggatgaa aaggcaaact tgaagaaaaa agccaagggc aagttaacta agaagaaaac 240

cccagtgaag tcggagtctt cccctgctga tctgagccaa tccgtaagag gacccgtgag 300

gacaccagag tctagcccag aaagcccggg agggcnggng agcgagtaca gttgtgaacg 360

gggtaaagaa aggccctcta gtgaagatgt tgtagagtca ttgtccccca gaaagaaaga 420

gaagacatca tctggccagg ccaaa 445

<210> 8789
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<212> DNA
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<223> n is a, c, g, or t

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atcctggaaa tccacatgaa catgtcctca cccaacctgc aacatgggtt cgaagtctta 120

tgatttttca aacatctgaa atgacaagac cacagtcaga agtataatac ctaacatcct 180

aaggactaga gagaaccaag agagatggaa ctgggatcag ttaaagtgct tccctgatgg 240

ataactgtcc actgttcttc taagaagggg gatgctgaac atctctgaat ataancatgg 300

aaaccttcca taacatctgc tgctaanttc tgccagctga aaagtgataa tgatgatgaa 360

tacttttntt gatgatgtgg atacattggt ctaactaaat taanttgcag actcagggca 420

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<223> n is a, c, g, or t

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ggacctctga aaaaaccatg gagctcattg ctccaaagcc aactggagag cttctcccaa 120

tcctgctgct gctgctgtta cagctgctta caacagccat tgtcgtggct agagtcttat 180

attcactgtg acaccatagg agaaatgatt ccacttttgc tgtcttacat gacctaataa 240

aaggaggcac atcccattat actctcaaac cctgtctgca ctcagggaga ggttataacc 300

tcattaagga tntttggagc nattttntag gtcttngnaa ccatggttnt tgaatgggta 360

actgctggca gaacatgaaa tccttcctaa antgattgtc cacttttttn tttgacattn 420

tcttgagaac agccactagt ttntcagtgt gcttagcaaa tatgaattta caatataaat 480

caatatggac attcatgttt cacagacttc a 511

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<211> 422
<212> DNA
<213> Mus musculus

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actccagtat ttgatcaagg aaggagttct caaagatcca gtcagagttc cagatggcgg 120

ttccctccaa tcgtttttga agacccctat catgttgcac ttcgctatgt ggagaaacac 180

aacatcctgc atatattcca gcagatcact gaaaacctag tctatgaaag gccagatgac 240

ccactgtatt tcatgctaga ccaggtacag aacatgatca aacacagaga cgaaaggcag 300

agcgactgaa gacagacgtc ccaagcactg cttactgtca tccatggccc gactgtactc 360

aacctgctcc cacttgaaaa atgtgttttc agtaggcatc ggtggtaact ctgcctaaat 420

gt 422

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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ggtcctatgg tgaaagcaaa gcctggctaa aacggttgac atcatcgcca catacaggaa 120

ggaaggaaga tgtgggagca gagaggaaga ggacctanag ggngaagcat nnatggagag 180

cngnctccca aagcantanc ggggaacgca nccatgccng taggcttngt gctccnaaat 240

ggaccgagac aaaangatnc ggagacaaaa gctcagatcn tgtgnttgtc actgatgcta 300

aatgcttacg acggtaacag agagcctgca gcagcgatgt ggattnatag aaaccagagc 360

ccctccgttg gcagaaggct atgaggaaat gcattgctta cacatgaagt 410

<210> 8793
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ggaagccttc cagcccctac gctttcgggg gtgcagtcgt tcagtcagtc gcgctggccc 120

tggtagntct gcctggcagg gtttgcgttt attgcagaga gagacttaag cattctgtca 180

acacatatgg cttagaaagc ttcaaccata acattgccgt ttttacagtt actgctttaa 240

gtatgttagc agacagaaca tccttgtttt acccgaggga atggaataga ttctgggcaa 300

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ggtccttcaa gccactggtt cagttcttcc gtctgtagcc cagaga 406

<210> 8794
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<212> DNA
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<223> n is a, c, g, or t

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tcctccacct ccttcctcag gccttcatca gcctctccgg cccattctgg ttcttctacg 120

ccaccgcata tcctgggcct gccccgaaga ggtcagagac cccaaggcca gatgttatct 180

ccttcttgca gcacccgaag cccgggggag ccaccctcgt gtcccctgtg aggtggagct 240

cccacctcat gtgttgaggt gttcattatt ttctctgttc tgtagcaggg gacctatagg 300

gtcttgcacg tccctggctc gctctctgcc aggctgggag gatgcagccc cttccttccc 360

atactgcttc tctctngata actccagctg tcttgtggct ctgcacagtt ctggaga 417

<210> 8795
<211> 254
<212> DNA
<213> Mus musculus

<400> 8795
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tatcttgact ttctaattcc ttttgctttg ccctgccctc tctgtggtgc agggtacagt 120

tctgccctta ttctacaggc ccaggctggg cttttgactc tccagacttt aacttggata 180

gatgatgtgg gtctgattgg tggaattaaa ggcctgagat gtttctgggg tggtggtcag 240

ttctatgtga gcca 254

<210> 8796
<211> 75
<212> DNA
<213> Mus musculus

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agtggtcatt tgacc 75

<210> 8797
<211> 120
<212> DNA
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catcaatgac aaatttagga agaccaaggg cctccccaga gattgggtct tcaccacctt 120

<210> 8798
<211> 314
<212> DNA
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<223> n is a, c, g, or t

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ntcgctggcc acagcaggcg atggcctnat cgagctgcgc aagctggagg ctgctgagga 120

cattgcgtac caattntccc gctntcagaa tgtcacctac ctgccagtgg ggcagactgt 180

gcccctcaag cttccctagt gaggcctccc ctgcttcacc ttntccggcc aatcagccca 240

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ccaancggtt acagtccaaa gaggaagagc tgctgaagag gaaagaggcc ctacggaaca 120

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acccaggtcc taagaaagca gttgttctca accttcccag agctgtgacc cctgaataca 180

gttcctcatg ttgtgctgac cccccagcca cagaattatt ttcgttgcta cttcattaac 240

tgacattttg ctactctcga aaancataat gcaaatatct gtgttnnnnn nnngtcttcg 300

gcaacccgtg acagggtcat tcgactcgct aaggggtgga gacccacagg ttgagaactg 360

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ctggactcaa aggaaaagcc tgacaattgt gagaatccaa ccaaccccgc caagaaccct 120

cttagttaag gcaaacgtaa aaggtacact taggacaagg acttactaac attaacagac 180

ttaagctgag ggcaggtttt agccatatat gcttggggag agtcaggtcg ttctcggtat 240

taccactgta aatctgaaaa cttgtaagag gaaccatnat acacaanaga ccntcggcaa 300

ttntntaagc cagtcatgtn aatgctattc acaagcacat actgcctntn ttntnttcag 360

ccaaaacagc ctagctgcct tgacntntnc antgntcccc ttnnanccan ttccnaccca 420

gctaaggaga ctttaaaaca gaaaatgaaa caagcntcag acttnntttg tntgagaagc 480

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gccctggctt agattnaaaa gccttttaaa aantggagtc tgactctcag ttcctcctgt 120

tccactgaaa tgccctgtca ttcacacaga cagctgtggt ggactgtgct tctcagaccc 180

ttggtgggtg aaaaacagtc gatgttgcct gctgctgtaa gaccccaatg caatgtgttt 240

cttaggcccc tagaaacaaa gcccaggatg gagttctttg ttcttttgcc atcagcccta 300

aagaaaggtg agatgggtga cnnacctagg catctgaccc attgtgtaag 350

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ctctccagct cagttcctta tctaaacaga cataataatg tccatcttac aagactgttg 180

tgaagcttan atcagataat gtatttaacg tgcttggagc aatgtctgga ccattcagta 240

agtgtcagct tgtattatta ggagtgacat tagctaagtg agcagtcacc atgcctttc 300

tgcagtcttt gcactgtang catgcatacc cagcntnatg atggncccta ggaggggnnt 360

ntggaaccca tccccgnnat cagnttgggg tgatagacgc agangngaca aatgacaaca 420

gaanccatnt gagactgtgt ntcagntctn tntcnccacg gctgctcntn tttntacaca 480

cagactttgc gtcactttga gggca 505

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ctgcagtgat agaatcagcc aaggacattc aatttggaac agaactgccc atggacaagg 120

agttnccctc tcctgaagat ggggttcttg ttcatgnaat gttcatggat gcttctcggt 180

gggatgataa agacatggtc atagaagacg cattgccagg acagatgaac cccatgctgc 240

ctgtagttca ctttgaacca aancaaaact atgagccagt ccacacactn taccactccc 300

cactntacaa aacaggagcc cgggcaggaa cacttnnnnn cncaggccat tcaaccaact 360

ttgtggtgac tgtcctctta ccctccaaga ggatcagtga ttactggatc tccaaggggt 420

cagcgttgct ctgccagctg agtgagtaag tgggagcctc gccgatccag aagtcttccc 480

tnangaggag gaagtgacct ctgagtcgac ttaaggatgg cagctgtggc tgttatttct 540

cc 542

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gcaggagaat cgggacttca cattagcttc aactatttaa caatttcaag gctagcctgg 180

gctacatgag acactggaag tttctaaaca agcaaacaaa acaaaacaaa agccaatact 240

tatgagatcc actggtgaaa ctactgtgac aaagttccca agactgggct ctgcattccc 300

tgcagntagt ggtnttgtaa cttgttggac tgtcattaac ngtaacaagc aaggctggta 360

agatggctca gcaggggatg gtgtgtgctg gcaagcntga cagcctgagt gtcaggaaag 420

agctagctcc tgcaaantat ccnccaatcc cccacacgca caccntcagc tcaggaaaga 480

gctagctcct gcaaantgtc ctccgatccc ccacacgcac acactcagca tgttcacaag 540

tgtgcgcgga ca 552

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ctacaaggga cggatggata cacggttgcc aggcatccta gggaaagatg ccccaggagt 120

gacaaaacac aacaaggcta agctccagca gctccaacan actgcagcag ctgcagcagc 180

tccaancaac tgcagcagct gcnncanncc cagcatgccc ggcccacgca cacaggcagc 240

naagcctggg caacatgatc tcgccaccct ctcggcntca gagtgnacag atgatagcgg 300

acagcaaagc agttcnttca gggcnaaaga aagacagacc agtntcntct gaggggcgtc 360

tcctgcagtc gaatgtgagc cattcatcca tccctacaga catagccagt ntgcagggta 420

gccaacaggg gctgaacatg cacattgacg tgcctcc 457

<210> 8809
<211> 354
<212> DNA
<213> Mus musculus

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cgcacccttg tctaggcctt caacccagga caaccaatac caaaaatctc atgattgtgc 120

ccgagaacaa gagctatttg actctgacca tatcagggat ccacttctta atcctaaatt 180

agtgaaaaac agggaccgac agcaagctat ccttaagggg ctttcagaac taagacaggg 240

tcttctccag aaacaaaagg agttggaaac gaatctcata cccttaactg caaaccaaga 300

agataatttt agttcttcgt tttaaatatg cttaccacgc aacagcattt ttca 354

<210> 8810
<211> 284
<212> DNA
<213> Mus musculus

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tctaaagctc catgggatct aatacctctg gtcttcacaa tcgcctgtac acacacacac 120

acacacacac acacacacag aggcataatt tttaagaaaa ttttccagga ggataattcc 180

acgactatga ttgtggaatg ttgcagattc agagccaagt tatcctgggt catactttgt 240

tccattagta gccattcatt gcccatctct tgtgtctgat ttta 284

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ctcataggtg gggaatatat catcccactc tttggaattg ctctgccccc caaaccccaa 120

ggtcccttcc taatcagagc cggatacaac atcatcatcc ccttcaagaa tgtcttcttg 180

catgcaacaa gcttctcctt cattgtggag aacccagcct tcagcatccg ggctgcagag 240

accgtgcggc ccaagaagat caacaacatc acagtctact ttgaggggaa cccgtcgggc 300

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tttgagaaaa gacgctgtct agttattgag ccaatatgat tgttttcctg gcaaaatttt 120

tctccttttct aaaattaact ttccctaagg aggaatagtg cagatgcgca tgattcagcc 180

cagccaactc ccgagaatcc tgtaaagtgt aaaagtgacc ttccttcatg cctgtggatc 240

ctggggtgag atctgatggc agcacatgcc gacaagcccc ccgcctgctg gccttggcca 300

ggtgcccctt cgatggcatg ggcagagnta cagtattnca ctacnggttc tatcngtgag 360

gcnaaagtat tattatttcc canagatttc angtatnttn tactcactgg atctgagant 420

tccanaatta tatatgtnac acatggtttt aataggaacc aaaaaccaca atatttttct 480

ntgtggtggg anagttaagc attaggtttt gatcactttt tc 522

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tctaatggtg atcgcccacc tttggtttta agtacaaaaa gtagtatctc cnccgagttc 120

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<223> n is a, c, g, or t

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ttgacctgta tagtaaatga tcttattcaa ttttttccat ttcaacaata gcacaacttt 120

taaaaatgat cattttatag acacagtcaa ccactttgac ttatgctata gtaaagagca 180

tagttgagtt tttggaaagt ccaggatcta caaatttggt caataaaaca cacaccnaca 240

gaattactac aattaangan acangnaatt nattggtgca tnagatgaac gttnntttga 300

aatnaatatt tnaaanataa tngtttnaat aattnggtta atttnggata atnttntnta 360

cnattaagtt gataatggtt tttgacgttc ttntggtaga gatgattcat tttactgttt 420

tgtggtaact gtgagactct aa 442

<210> 8815
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<212> DNA
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tcctntccga gagcggcaca gtaccactgg ctnttatgac ccccatcntg actgcctctg 120

tcactggctc agatgtgggg actgctcacc ttaatgcgcc ttcccgcccc agccgtactg 180

tgtgcagagg gtgcaggaga agggtcctgc cccaggcaca tggctctttg gcgtctcagc 240

tcctccccag gggactggct cgctcagtnt tctgagcccc ttgggcaggt gttggggggc 300

agggagttgc cctccccctc cctgggaagc aaccgaagaa tgtttacatg ccacacagaa 360

tgtaacagcc ctngcccacc ccttccagtc actgcatggc ctctgcccac cctgtgcctg 420

cccactcccc tgacaccaac accttgcaag tcgctgtcac aactagatcg ggtctca 477

<210> 8816

<211> 274
<212> DNA
<213> Mus musculus

<400> 8816
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ccatagatga catccaggtc ccacggtctg agcccccaaa gcagaaagtc tcaatcctca 120

tacggaggaa gctggccatg ctctctctgg aggaagagag cgagaagccc ctgattgaac 180

gtgggagcag gaagtggcca ggcatcaagc ccaacgaaat caccattcag aacaagatac 240

tgactcggag gacaccatca ataaccacca ataa 274

<210> 8817
<211> 303
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctggagtat ggagctcaac tttgaaaatg aatgagaagg aaaaccaaga cactcaagta 120

actaaagagg aaaaagaaag tgacgtctta ccctaatatg agtttatgaa gaaggaaact 180

cttttctcat aaagaaggtg tgagaccaca tgtcctattc atactgcntg caaatgaatg 240

aagaatnatc tcccacccnt acatantgan tgcaaatgaa tgaagaatac tggtgctctc 300

cca 303

<210> 8818
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctggaggaat gccctctgga ctcgagcctc tgttctgacc atagctgcag ctctcgtgct 120

ccctttcaga gcagcaccac ttctntggtt cctgtccacn tgagangcag acccatcnnt 180

gccacccant agcccgagcc ccagcccagc tcttgccttt tggaaacgtg tcaggattgg 240

cctggaggat atctggaaca gcctttcttc agtgttcnca gagactcaac cagtagaaag 300

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<210> 8819
<211> 322
<212> DNA

<213> Mus musculus

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<222> (104)..(104)
<223> n is a, c, g, or t

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acatcttagc tccacttcaa caggacaatc tgagactgac cagngacaat ccttgggaat 120

aggccttgac atctatgatt acaggacctg taactgtgat aaaattggag aatgttcatc 180

tttgtcctca tcccatctgg cagggcatca tgcatctggc ccaggattca tgttgagcac 240

tggtgacatg ggactgatat cagctgcgac tgtatatgga aaaggcactc ccattcagga 300

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<210> 8820
<211> 352
<212> DNA
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<223> n is a, c, g, or t

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<222> (131)..(131)
<223> n is a, c, g, or t

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gtcaagggnc nggggatgag ggactgaggt ctaaggnatg ggtcaaagtc cccagggaaa 180

tggcatccct gtatgaagcc gaacagctgg ntcggtaagn tcagcntngt ntccccgacc 240

cgcagcaccg gaagccttgt ggctggagct tcgggatcag acantcagac tacctagccc 300

ccatgataca gtaccacgtg gacgantgat gcctgcaagc acgcgcgcac ag 352

<210> 8821
<211> 244
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<400> 8821
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actacaagtg aagtgttagt accagtacac tccatcctgg cctaactata taacccttga 120

cctgcgttgc caggacaacg accctcaatc ccacaatcca cttggctcag ttcccaccct 180

cactggtgtg acgtcatttt ccgtataaat ggggggggag aaggaattac caccaccctt 240

ctct 244

<210> 8822
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<212> DNA
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<223> n is a, c, g, or t

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gttcaataag ctggaaggat gcatgaattt ccccataagt caggcttggg 110

<210> 8823
<211> 103
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8823
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aattcattac gcgttgattt ttcagctgct acagtataag gtg   103

<210> 8824
<211> 148
<212> DNA
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<223> n is a, c, g, or t

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agtntaaatn nttgtaccnt tatatattnt gantattatg tttatgcttc atntccttgt 120

agnttttcc cagacacaac ttccaggt 148

<210> 8825
<211> 203
<212> DNA
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<223> n is a, c, g, or t

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anttntntta atgnnnatgt acacaccgag atccctgatt cctattccct aaagcatagt 120

ctacaaggag tggtntnttt aaagccatgt atgacattga agattcgtgg tagaaattgt 180

gtttatatag cattggtgtc gac 203

<210> 8826
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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angggagggc gntattcaan cnttcaaatg tgcttcagat gagctttca nggtcaaatg 120

gcctcgattt tatgacactt t 141

<210> 8827
<211> 45
<212> DNA
<213> Mus musculus

<400> 8827
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<210> 8828
<211> 72
<212> DNA
<213> Mus musculus

<400> 8828
agatccccta taacgagaat tacagacact tgtgagccac cgtgttggtg gtgtgaactg 60

aacccagata ct 72

<210> 8829
<211> 64
<212> DNA
<213> Mus musculus

<400> 8829
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gtgt 64

<210> 8830
<211> 98
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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agaaaactgg acattttgca acgccaaagg ggcagatt 98

<210> 8831
<211> 60
<212> DNA
<213> Mus musculus

<400> 8831
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<210> 8832
<211> 63
<212> DNA
<213> Mus musculus

<400> 8832
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tcc 63

<210> 8833
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aagggcaaat tggcaacctc tgtgcccaat gccaagctta a 101

<210> 8834
<211> 68
<212> DNA
<213> Mus musculus

<400> 8834
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tttatggt 68

<210> 8835
<211> 468
<212> DNA
<213> Mus musculus

<400> 8835
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tggacacagg ggcctggtcc cagcccacct gctggatgac ttgcctgtcc atggagagta 120

agcacgactc ccttggaggg tagtggcatc cggtggccca acacccccttg gaaacagaag 180

caagcacatg aattttcaca cagtatccct cctccctagc caccgtaagc aacactggct 240

ccaggcaaca tcacctgaaa ctgacaacag tcctcagatg ttgtcctagt aaccaacagc 300

agcaggactt aaatctgagt tgttccccaa agaaaagtaa accagccaac ccctgagagt 360

ttgataggct atttcaaaga cacggataac catgatgggt attagagatg ccttttttctg 420

tggtcagtat gttttcgtta gcaggttaac attatccatc cattgcct 468

<210> 8836
<211> 542
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caaaggaagc tttatgtgct tggaggcaat gacctggatt acaataatga ccggattctc 120

gtgcgtcata tagattctta caacattgac actgntcagt ggacgcgctg taatttcaac 180

ttgttgactg gccagaatga atctggagtc gctgtccata atgggagaat atatttagtt 240

ggtggatatt caatttggac aaatgagcct ctggcttgta tccaggtatt ggatgtgagc 300

agagaaggca aagaggaagt gttntacgga cctacactgc cctttgcttc caacggcata 360

gcggcgtgct tccttccggc tccgtatttc acatgcccca acctgcagac tctgcaagtg 420

cctcaccaca ggatcggcac tgtntgataa gccagcatcc acaggagacc gaatgagacc 480

ttgacatctg gacacagggc atggacatcc tcagtgcttc cctatcgtgt cttacaggtc 540

ta 542

<210> 8837
<211> 528
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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actcttggaa gaattgaaag aagccaaaga aaaccacaca ccagagatga agcatttcat 120

gggcttagaa aggaagatca agcagatgga gatgaggcat aggcagagag agcaggagct 180

ccaacagata atacagcaaa cacgccaagt agtagaaaca gagcaaaaca aggaagttga 240

gaaanggaaa agacttgcac agttaaagaa tcgggagctg gacaagttcc gcacagagct 300

ggactccata ctggacgttc tgagggagct gcaccgacaa ggggttgtgg tccccanggc 360

tctcgcaggc gaagagaaca cagcagagtt ttagtcggaa cttggatctg agtgaccaca 420

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accaccagag taacatatca gaataaactg ccatgagcca acaggaga 528

<210> 8838

<211> 417
<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

<220>
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<222> (366)..(367)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcaatcactt aacgctataa tgtgtttcct gcgaatatca agcatgtaga ccaagtgcag 180

catgggagcc actcaggaag tttatgaaat taaactttca tgcataattt accatgaaat 240

atgtagattt cagccaattc tcaatactta acatttagtt atatatgtga actctccttt 300

cttaattcgg gaatgtagca tnatatagaa tgctgttaaa cttaatttta acccttttta 360

actttnnttt tttttntggt aagccaagtg atctaccttt cagcagttgt ctggttt 417

<210> 8839
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acttcagttc atgtaattnc atttttataa ttgcagaaag gtttatgtct tgttnggcgt 180

gatactcgag ggaatagcag cggttctcta tgagttcaag gccagcctgg tctacagagc 240

aagttctagg atagtcaggg ctacacagag aaaccctgtc ttgaaaagta aaaaaggttt 300

atatctctac agataggata aacatangaa ttcttttgct ttatttttcc acttaaaatc 360

gtcagttaaa aatagttgta aactctttgg gctacagaaa tggctctgtg gttaagagca 420

ctgactgctc ctccaggcaa ctccagttca gttcccagta cccataaggc aatgcacaac 480

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aagcatctac aaaaacaact tggccnaaat cagcaaggag tgtgagatct tgtccaaaat 180

ggtcatggag attaaggcgg ataaccagat tctgaaagaa gaactcaaga aacacagtca 240

agaaaacacc aagttcgaaa atagcatcag tcggctcacc gaagacaaga tacttntgga 300

aaactacgtg agaagcatag aaaatgagaa agacaccctg gaatttgaga tgcggantct 360

tnagcngaga ctanttgagt ttaantgatn aaantctcca gtcagaanca acagcngcat 420

caaantcaac ctatatttca agacgagana aantntactt cgataantac gatgcctatg 480

aagatgcttc cantnttagg aatcggcctg tggcttntga cttgaaagga ataccacata 540

aactgtatca acggcttcca tccaagatat g 571

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tntagtttac aaantcgggg gctntaattg nataatttgn tttgaggaga tntattaggt 180

tttcttgttt gtttaaagct ncatccaatn tcaaaattac cttgagtaac ttctgataat 240

ttactntntg tggacaaagc taagtttttt ttcttanaca gcaccttgct tgaagatgac 300

tttaaagaaa ttaatatatt gnaaacttat ttgantnttt attttantcn tcccantaaa 360

acatgacaaa ttatttgacc attccagtca ntgtactgct ttaatttntc ccatttncct 420

ntcaagagcc cacatgcctt gttcattggt ctttctctgc agtaactaaa ggcaagacta 480

gatagacaca caattggaga ctgaacttat taagcttaaa ataatttggg aacttaaaat 540

cacttgcatt 550

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ttcatctctc cannnnanan ntcngcnaag gaaagaancg cagcctccaa gaaggaggtn 120

cacaaccccc ttacnccgag gctganttca ccaagatgct ccctagaaga agatggagac 180

actgtntcct aagaggatcc tgtaccccag gcnagggtaa ttctccccca ggngcctaan 240

cctnttntgg gacatcaata agtgtgtaaa ctccaccctg tanctcccct tgtccaaaac 300

aagtccactt ctatgtgcta gatgccagct aatagtagaa attacaatcg ccagcttata 360

tctgatatac tgtggtttac tcagcnccat ccctaacatg gtcacacagg ccctga 416

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nnaagnnnnn ngnnannnnn tnnncnnnnn nnnnngaaga tggacgacat gtcgcccagg 180

ctgagagcct ttctctctga acccattggg gaaaaggatg tggcctgggt ggatggcatc 240

agccgtgaac ttgccatcaa tttggtcacc aaaggtttca acaaggccta tgtcctgctg 300

ggacagtttc ttctgatgca caagaatgaa gcagagttcc agaggtggat catctgctgc 360

tgtggagcta cggagtgtga ggcccgccag agctccacct gcctgaagga gtggtgctcc 420

tgtttcctat agatatctct ggcctggcag ct 452

<210> 8844
<211> 73
<212> DNA
<213> Mus musculus

<400> 8844
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tcacttttta taa 73

<210> 8845
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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aagccgacgc gtgcactccc cttccccaaa cgagtgagag ggtaccgtgg ggcaagcccg 120

cccacccgct tgggcagcga tggtagcaag ggaccacccg cgttagtgga ccggggactg 180

gggagacgca gaccacatca acgactctcc atcgccgcct ctttcagaaa ccaagagaaa 240

atggtgggag gcgaaaagaa aaactaaata aaaagcaact tgtcttagga cctcagctaa 300

gcaaatgaag ccttcttgcg tgtgctgagc ctgcagttct caaccttcta ggaaagatgg 360

gaggantggg cgacagaagg cacagcagga atgccccgca gtgagtgcaa ccggagctct 420

gcccgctgcc cagcagaggc ctaaatccaa ctcggcagga agcgcccgcg gcgccgggag 480

ccacgcaccc tcgccagcga ccacgtgatc acttttt 518

<210> 8846
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<212> DNA
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cagctctgga catggcagag tgtaatccgt ggccccgaat tgtgctgtcg gaacacagca 120

gcctcaccaa cctgcgagcc tggatgctga ggcacgtgcg caacagcaga gggctgacca 180

gtgctgggaa catgggcgcg agcaagaagc gaggggctcg aacccctccc aaaagcaaca 240

acagcttgcc tgtttcctgc tctgaaaatg ctctgagccg ggttcgcagt tttagcaccg 300

gcacgagtac tggtggcagc agcagcagcc aacaaaactc tccacagatg aagaactctc 360

ccagcttccc ttttcatggc agtcggactg cggggctacc aggcctgggc tctagcaccc 420

aaaaggtcag ccatcgggtg ctgggccctg tcagaggtaa gccagtct 468

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gcccacatca cagggctgcg tgaaatctca aggacagcac agtggtaagc agggtcccac 120

ctggactggg actgcagatg cccgggcctc ctatgtctca gtttcccacc tggacaccag 180

catgactttc agacagcagt cantntgact ntggagccca actgagactg atcagatcaa 240

tcggctttca gaaatgggga tgtgacaagt gacgccagct aaacctcctc tagcgactgc 300

gccacgcgca tggaaagata cactgtagag cgaggggggac agagttacgc ccgggctntt 360

tggatggcag ctttggaaag ttgacgattt atcacctacc ccaantcntt ntcaagtntg 420

ntntggnant nnttgctcat ccgtgtgatt ttgccaagtg gtgtttggac ttggcgttgg 480

gagttcacac t 491

<210> 8848
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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taaaagtttt cttgtctata attctgttta tgaagagtct gtttttacat ctgagatgtg 120

tttgatgaaa gcaaacatga aaatgctaca agacaagcta cttaaggaga tgcatgaaga 180

ggaagttctc aacatacgca gaggactaca gtcattattc aaggctcatg aaggaaatga 240

tgcatgaaan ctggctgctg tcaatgaatt ttatgattag ttttttgtgt ataaataaag 300

cactaataaa gtagctttgc aaagatgcan catctaagca cctctattct tgtgtgcaag 360

aacctcccga ctcaaatgtt agagatgaaa aacatgactc caaatgcagc ttgtatgtcc 420

tatgagcaaa 430

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gccagcaaat tccttacagc tcgaaatacc tactatgttt gtaaagtgga acgtggggca 180

ccaggtacca gaattgagaa ttcctacaaa gctattgtgc ccatgctgaa gaatccagaa 240

cctgaactag ttgactcgct gcgcacacaa tgtgacttcc tggagaggag cagaataaag 300

atgcttagaa ntctagaagc caagagactg gcagccatgg aatcntctgt aaatntccca 360

gcaagntntc ccaagggtgg tggagcccag cagactacta gcacaagcan tcaactgaan 420

tctaaaggtg ggcgatcaga tgaagacgga ccacct   456

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<211> 479
<212> DNA
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<223> n is a, c, g, or t

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acgccatgaa gaagaccatt ggagtgatgg acaaagaaaa ggactttctc caggagactg 180

tggatgagaa gacagaaaag atcgccaacc tgcaggaaag cctccttagt aaagaaaaag 240

tcattgccca gttgaaggtc acagttgcag agtatgaaac atcacttaac cagctacaag 300

aaacttngac tactcgagac cgagagataa acancctccg gcgccagctt gatncatctc 360

acaaggagct tgatgatgtt gggaaatcta gagagatctn ttttaaggaa aatagaaggt 420

tacnagatga cctggccaca atggcgagag aaaatcagga gatctcactg gagctggaa 479

<210> 8851
<211> 259
<212> DNA
<213> Mus musculus

<400> 8851
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atctagcttc aagactgtgt tctctaccag aaaattatct ttccaagaca ggtgttcttt 120

cttgtcaaga gcagggaatg ttgacaagac tcccagaccc caggagcctt tgactttcca 180

tttccacaca ttggactgtc catgtcccag gcaggacata ttttcctgac agagatgaga 240

cctgcccaag cctacaggt 259

<210> 8852
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<212> DNA
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<223> n is a, c, g, or t

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gttaagagaa aatgaggcag aagnangtgt tagccangag cttccaaggt ccagntgctg 120

tntgcaggac tccaaacagc cacgtttaca tgttcaacaa tggcagcggg gactctgggg 180

actcctctga ggaagagtca catcaggtgg tgttacgacc ccggggcaag gagcaccaga 240

agaacagcag ccaacggcca ggagcaggca ccatggttct gctgcagcgg gagctggctc 300

aggaagacag cctcaacaag ctggctctcc agtatggctg caaacactca gagtgattaa 360

cagtggcaaa gtaagttgga aagcgtttct ggaatcgctc ttttctcccg cattgaaaca 420

gtctgtttcc cgctgttgac tccatgctat atacatgcta tatacatgct gtatacatgc 480

tatatacatg ctatatagta catgctataa tcatgctata tactggcaga agctttcacc 540

aagcttgcat cagctaca 558

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<212> DNA
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ttttctcaag caaattgaga agacgatgcg aagggcttac gagaagcacg tcatcatcca 180

catgggcccc aaccccatga gctgagccag tgtctgggac cgaggacgtg gatccttacg 240

ctgcctggat atttgtgtgt gtgtgtgtga atatttaatg gtgctctgtg actgttgcgg 300

ttcaaaagcc tgattgtatt ttcctaagtt aattatccct anaagggaat angcttttcn 360

ttattttctc cngatatctc ctgaatcttt ttatttttaa agttatntta tgaatctnat 420

atngtcccna tgggctgaga gagaaaaggg gaacttttc tagccctcaa atatgagccc 480

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tgc 543

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aggaagacaa tatgactatt tcagcttcca agagaagtga atgatgcagg gaagagccaa 180

ttcagccagg tggcagcaat ctggctctgg gcttcctggc ctctgacagg gacgtgcagg 240

acgacccttg gagagaaatg ggtcacttct gcgtcttgtt agatggaccg ttacacagac 300

tgagaggacg ctgattgctg aaggaggcag ccagccaagt ctgtagctac ccacctctga 360

atttattgaa gacagggaag aaaagaaccc caagaganga annngaannc catattntaa 420

aaggaagttc taattggcaa tgagcatgga aaactnacnt ggaantacaa tcaagctggg 480

cacaagagta ctactgtc 498

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<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (197)..(197)
<223> n is a, c, g, or t

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gatgcccctg gaaactgtgc aagcctgcat tctttgcctc cagctatgtt cctggactcc 120

tctgtgttgt ctgggctttt actgtacnng tctgttccnc tgttaaataa tttttncttt 180

gtgcccttgg gtatggngga gctgtttcta ccagtatgag gaacatgcct ggccgggatg 240

ctgtgaagac cccataggtg atcctgtgtc tagctgtcag aaagattata gaactccctg 300

cgacatcata tccgcaaatt ccagtaaagg gtgtcccaca ctccaaagca cgaagtcctg 360

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cagaaactct tgattctt 438

<210> 8856
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtcccaggag ntgtagattc cgtatntgtg gtcacacctg ataaactngn tgatntccgc 120

agatntccaa gccgaaggan cagatgttca canttccagg agcggccagg accaattcct 180

acatcgcacc tgccctgtta ccttcaaatg ctgtcttttg tctttggaga tcacaaagcc 240

ttattgcatc tgatcagatt aaagttaaaa ttctgtagat tggacattta cggataatat 300

gacgtgcttt tatatcttta acaaa 325

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gggtgacaaa cgcaattacg aaggtcgcca catctcgctg ccggtgcccg caccccagga 120

caaccccaca tgggaccccg cggatcctcc ccgcgtgggg acggcggcct cgctcaccat 180

ggcgcggatt ccaanttcgc ctcnctctcc gctcanctnc cggcagatgg tcnatantgc 240

tttcctcaga ttcncaacaa agcgggtaat atggcggaca ggaagtgccc gcccactatg 300

actgaaggct cgtctcgaag ttctgattgg ctactgaggc ctgagtgaca ggagcagtgt 360

ccctaagaga catcgtgttt cccatctccg gcttccacta caggccaaga gcgggcctag 420

atcataaggc aggcattgct gtagaacttg ttcctggact gcaaagtggt ccctgcactt 480

t 481

<210> 8858
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttcgttgttg tttggctttg gtgctggggt ttgaacctca tgtgtgctga gtaagcnccc 120

tactactgag ctacatcctt gtccctcggt tttcacattt tatttggaca tggggcctta 180

ctaaattatc ggtgctgact ttgaactcat tctgtagctt gggttggcct tgaacttgca 240

gtgctccagc ctcagcctcc caattagctg ggattacagg acttgtagca naggcccanc 300

taaaaanacc ctattcaaaa aanggngctg ggccagccaa gtatctatgt gcaaaagagt 360

gaagttgact ctcttcagcn ccgtactcct cccncctcat ccaggtggat acagtgtatg 420

tgtatggaga tgtcncagtg aaactcattg ttttgtactc taatttaaaa attcataaaa 480

taccaagtca agatgaatca ctgacctaaa tgtaa 515

<210> 8859
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<212> DNA
<213> Mus musculus

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tcctaaaatg ccctctgcca gataaatcac ttcataatct ttcaatttag cttcactcag 120

attctcagga catggtcaga atgaagccgg atccttttc caaataacac ataaatggtc 180

cccagctcag ttcctgatcc agtccttgtt tccctttgaa accccagcaa ctgggcattt 240

ctctcagcat tcttctctat gatcccacca gaattgccca ctaaactcca ttttctaacc 300

ccaggttcca aactctttca cattccattc acagaacagt ctcaaaggaa gaagagccac 360

ctggtgaggt tcattatagc agtgacctca cttcttggaa 400

<210> 8860
<211> 361
<212> DNA
<213> Mus musculus

<400> 8860
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aatcttgtag atctgggtct atgttggaac ttcaccacct gcttgctcca tatctttaaa 120

gaattagctt caattcttat gcttttgctt cttcatctat agagtgggat atgagtatct 180

atttcataaa ctgctggtat gtactaaagt gagtgaagta gaaaaatgag gtgtgcatct 240

caggcctgat gaagtaagag agcatggagt gacatttgat tggtaactgg agagggagca 300

ggctttttga ctgttcacct agcatctaac catgccatat gctaatcctt cctaggctct 360

g 361

<210> 8861
<211> 461
<212> DNA
<213> Mus musculus

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ttctggaggg tttacatagg cgaaggtggc tgaatagggc gggaagcgtc cccttgcgca 120

agctctgtgc ctggagggct ctaaagcctg aggcgactgt agccgaacca aggagcctgc 180

gtttgcccgg aagcaggctg ggaggaagga cgctcacagc ctctgacaca gtggattcgg 240

agataaggac ctgatagcgt agtatgactc acactcctat ggacttggag aattgtggtc 300

ccgaggttcg gccgacccaa caagcaggcc cgacttagag tgaaccgtga gaggcctcat 360

cattaccaac tcgcagtgct gaatccaggg tctagatttc aaacacggtt attttaaaga 420

tgtatttact ttttgtatgt gaatgtactg tcttcggaca c 461

<210> 8862
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<212> DNA
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<222> (274)..(274)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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accagcttga gactcaagag accttccact ccgatattct taactggcct tcagactcta 120

tcatccagtg agtacaagag agacttcagt ctgtctcagg tgctctcagt tgtgctgtgt 180

gtggtttatc agtcatggat gaacgtcaac atgaggccgt tcccagacca gcgagacnnn 240

gcaccagcag gaaggcagat gaatacttaa agcntagcct aggcaagaaa aatctgatga 300

gctttttact aggcagacag ctgggaaggc agaagagtga ttcagaaatg tcaaagtggc 360

tgtggatggt gacccgagga antccagggt ggagttggcc tttgccaaat caccacatta 420

ctta 424

<210> 8863
<211> 336
<212> DNA
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<222> (56)..(59)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (71)..(76)
<223> n is a, c, g, or t

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<222> (78)..(83)
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<222> (102)..(105)
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<222> (120)..(120)
<223> n is a, c, g, or t

<400> 8863
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nnnnnttnag nnnnnngnnn nnngnngnnn nnnactncct gnnnnannnn nnnncgntgn 120

tgctatggag tctttaaaga ggtagtgatg ccatcagcag aggccctaca tcagcagtgc 180

tagtgtccat gcaagaagag gacacagggg cacacatgct cacactggtg agtctatggg 240

aaggcacgag gagaggacag ccatctagac accaaggaga gtgagcagga agaccccact 300

gacagctgga tctcagactt ctgatctcca agtttt 336

<210> 8864
<211> 384
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8864
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ttctcttcag cttttagtgt tggactttgc tgtagtggta gacatgagat aagtggtgca 120

aagtttgtaa caggacacta ttaccgtggg tgtgcantta aggctgtctg tcctcaggag 180

acagctntac cttgcctggc tctgtagtag acagttcact tacacaggac agcgcttgct 240

ggaagatcaa nttttatatg gattttaaag aaaatattga agacaaaaaa ttctatttta 300

cttgtaattt tatttttaa aaagaagatt atactatttg cctctntcct tactaccata 360

attgaccagt ttcattcagt aaaa 384

<210> 8865
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ggctacacct agtaacacag atgactcttc tggtgacagc gtgactactg taaaaactga 120

gtctccgtt 129

<210> 8866
<211> 238
<212> DNA
<213> Mus musculus

<400> 8866
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gagtctcaga gtctctcatt aggaaaaact agagagccga atgggagaaa tgccaatgtt 120

tggagtgttt cagataaagc tataaagtgc agacatttct ctgaagttta tctgcgttca 180

tctgaacaac ccaagtctag agatcagctt gcagatctac cacagtaatt tctctggc 238

<210> 8867
<211> 178
<212> DNA
<213> Mus musculus

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<222> (112)..(112)
<223> n is a, c, g, or t

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<222> (117)..(117)
<223> n is a, c, g, or t

<400> 8867
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ccaccagtnt gggccagctg gtgtgaagtg cctccacggt gtggttccgt tntgaantcc 120

acttatatcc gtaaatgagt ataatcacca acgtgtgcat gctttcggtt tcaccgtc 178

<210> 8868
<211> 137
<212> DNA
<213> Mus musculus

<400> 8868
aaacaaaaat gttgtcacac tggaaattgt acatttttt aaagaaaagg tatagtttta 60

taactgagat gtacctaaat tatgaccatt tggtttatga atattctact gtgacatgaa 120

aagttcctgt attttca 137

<210> 8869
<211> 551
<212> DNA
<213> Mus musculus

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<222> (192)..(192)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (262)..(262)
<223> n is a, c, g, or t

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cagaaagagc acagcctgga acagagagac atctgatgaa actgctcctc ggattatttt 120

tttttcctct gttctccagt tttgtgtctt actcattact taacatatat ttacatgcct 180

gctttctaaa antagctcta gttctaatta ctctgcttag taatttccag gaccatttgg 240

gctgaagatn aaatgccaga tnttccttga aaaactactt ttaaggcatg tagagagagg 300

cacaaaatta tacttcttga caattctgat gtgtgcccgg ggaagcagcc ccttccacac 360

aaacaccacc gctcccaatc tggcagggaa ggccacagct gccagcgtca cgtgtaggca 420

gatgcagagg ataaaggagg caaagaggac agttgcaact gccaatttcc ccaatccttc 480

ggaaatatac ctcatttacc tcaagagaca ggacaggaca tttacagtcc cagaaatgta 540

ctcatatgcc c 551

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<211> 416
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<223> n is a, c, g, or t

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<222> (125)..(125)
<223> n is a, c, g, or t

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<222> (127)..(127)
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<222> (332)..(332)
<223> n is a, c, g, or t

<220>
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<222> (335)..(338)
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ctgctgctgg agagaatcca agagtggcct ggaaagctcc agccccttg ctgtgccctg 240

agctgggtgt ccgaccacca ccacaacctg ctggccctcg tgcagttctt cctggatgtg 300

acgcctcggg gcaggtgggt gcttctcaac cncannnnan ngggatcttt caaggatcta 360

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ttgttactaa agagtatttt gcaattctct ttctggatgg ctgtagatct tcatagtcag 180

cctgtgtggt agctgccatt gaaccatacc ttatttaaac ataaatgttt gggctggaga 240

gacagctgag tggttaagag gcctgactgg tcttcccgag gacacagatt cagttcccag 300

cacatacaca gcacctacaa accatccgca cctccagctc cctcccgagt gganggacgg 360

gtaatctagt gccctcttct gcctctgcag gctctgtgtg tacacatgtg gntgtncatg 420

aatacatgca agcnaaacac ctatacacat aanctaacag taataagtct taaatgtaaa 480

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aaaaggagac cggcttctaa tgaaggacct ttgccttttc tctgtcacat tgaagagctg 180

gtaagctgtg taggtgatag ttcttcccct cgagatgcct ttcttagcct tgtggctatg 240

gaaagaggta atacctttag aggaacgtgt gtcangcaga gccttggcac agacatggtt 300

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gacgagcata ccagatagag gagctggatc tcctgctctg ctcactgcct ggagcccatc 420

tcctaaagcc atcgtcagtg acttgtgcaa atagcaagca gtcaagtgga atgtgcatgt 480

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tcactaaaat tcttttatgt gtctagttaa cgaagtattt ccccttgatt tattttggtt 180

ctctttgact acagaacatt ttcttgctta cagtgaaaca ttgtttattg ntatactntc 240

caanttcttt ttntgntttg acggcagaag ntnaaactga tatgctntca aaatntaagn 300

tntcaaacag ctgaagcact tacacngcag aagaggaaga ggtatacttt gtgncagcat 360

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caaagagctg gcggcctagg ctgaaaccgc ggaaacaatc cttcctggag gagaacacag 180

tccctttaaa gataggaaag atgctactca cgttgtcgat cacaacaggc tggttggcga 240

tcacatcgta ggactccatg gcagaggaat ntttccntcc gaggaaggaa ctnccagccc 300

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cagacacaaa cacacacaca caatggaaga ccaatatgat ttgtagatgc tgtctcaaaa 240

taggttgttt tgcagagcta ttctaagatc agaaaactgt tttgccttag gctgggcttg 300

ganaagtcct tgactgcatc ctagntaana ccagaataga ccttaacaag ctctgtctga 360

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gtgagaccac nagtgggncc cgtgcacctg tcctttcctg ttctttctca gtntccggca 240

gacanaccct ccgtatcaac tttnacctna acaattaatt gnattcaaga gtattntgag 300

aantgcccca gagctttcaa gggagttntg gccanagaaa gattggagcc agctgntctg 360

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cgnggntgag aatntanttn tagaggttga agaacatttc caagntntga ntacaacatt 180

aaacctnaga atggaagaga tgggaagtng catcgaggan ttacagagaa acgtggatga 240

cntnatgact caggccggga tcgagaattc tatcaaagaa ccagcgacct gaagatgtta 300

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agttccagca aacccgcagt tcttctcctt gagccagaga tgtgccagac ccagagcacc 180

acctgcacct gctggtgaac agaatcaact tatggatccc atattcccta atgaagaaag 240

tcagcaagta atacatggga caccaggttg tgcacagtgt gagatgttac agaaggaaat 300

agatgaactc aaggaacaac tcgggctggc actgctgtga cccagcgttt gaggactgcc 360

tatccatgct gttctcctcg gtcatgcagg ccctcagtga aacgttccag gatccttgaa 420

gttggactca agagtttctc cccacagaag aggccaaact accacctgtg gatcctgctt 480

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cttcaacaaa caagtcagat gacncgtaag tgaggnnaac tncaaggcta aggtggatcc 240

aggggcagga caaactgttc gcacgcctag catctntgga ctcnaccctc caagcgcttc 300

cccgnnnnnn nngtcttgtc gcgagaacca gaaccgtcgc tttcaggaac tctccatact 360

acagagtgct tctgaacgtg tacaacacta ntaacggaag naggtcaaag ttcagaaaga 420

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gctttatctc tagcacctac gttctttccg tatatttgga gatttagatc catgttcggc 180

tgaaggttga ggctttgctg gaattttatc gcagctgccc cccaccttta gttgtttggt 240

tttgttctga nacagggtnt ctggtanccn agnctgncct tggactnggt gnntagtaga 300

tggtgacttt naactgatcc tttncttntn cctcataagn gcctggatna tatgggagta 360

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aagagcnaaa aatggtttta aatgtattaa aaaagaagta gaaagcttct tcagttggtc 180

atctaaatgg tttatttcag gtgctggata tcacatcgtc atggagaagc aacaatattg 240

tgatgttgat aatatcattg caatgattca gcagcatgtt ccaggtgctg tgttggaaaa 300

taatatagaa aatgaattat catttatcct acccaaaaag tatgtatcaa gatttgaaac 360

tttgtttaca gagttagaaa tgagacaaaa agcactaggc attgccagct ttggagcttc 420

gatcactaca atggaagagg tttttgttaa gtgagttata ataaccagga aaaaaattct 480

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tatggagcca tcaattaccc cttcacatac agtttttgtc atattccaga ggtaacttgg 180

aagacataga aaattacctg gcaggagttc aactgatgga ataccaggtc acttgcctat 240

cagctgtcct gagatgctcc tggccttgag ctccagttcc tgcagtctct agcattccag 300

attccaagct caataaataa aggtgtttgc cattggtgat ttaagttcag ctccccagac 360

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ttccgaggct gcgacttccg aacaaaaacc ttgaaagctg tcaaatccca cacaatgnaa 180

cgtagagncc aactgatatt gatacnagct gctcgnccta gattggacaa atttctctac 240

aatactctat tattantcta tgatattcat aactacctgt ggctatttcn agccacttgg 300

atctgattcg tcnttcttcc tccatcttct ctgtctctct ctgtctgtcc tctctctctg 360

aaactctcag ccctgtcttc cttcttcatt gcccaatcac aaactctatt cttatatttc 420

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aaggaaaagg cagtagtatt acccgccgtg gagaattaac caaaacaatg acagaaagcc 180

ttgtccttcc tacccactta tttttacact ttcacggtct tctaaacaca gccatctgga 240

gcactcagca gctactttca gcaagccgac tccaaaatta aggtctggag ctctaatctg 300

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gtacagggtc ttggctgctg tccctctggt cctctgcaca gtaagtggaa atccacagat 180

cttcttaccc cactctgagt cccagttatc cagcctttga gtatctctgg attaggacag 240

annnngntan nnnntnnnnn cnnnnnnncc tntntnnctn nnnnnnatna aagtnntaga 300

taaaaagaga tgntccgaac agggcatggt tggacgnaac atcangaaga cttccatgtt 360

gatcnagntn ttgggcgcnc ctgggaattg cnnccnncnc acgtaccttg gggaccacat 420

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tgatttntcc tacacgatta agcattctga ggag 514

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caagggcaag tctgtctcct gatgttgnat ccacagtgca aagaaaatac tgatgagctg 180

tgatagtcac tacttagtgg aatcattatt tttgagaatt cctgtaaata agttctgtaa 240

ttctgcattt attaatgatt taaaatacta gacttttatg tttataaaag taaatcataa 300

tgtacttaat gaaaatgaat ttactagctt atatttatgc tacaaattat actttattat 360

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accgcttgcc taaccctaac cctaacccta accctaacgc taaccctcac cctcaccctc 180

accctanacc ctnaccctca ccctnaccct caccctaacg ntaaccctca ccctccccgg 240

cccacctgtg aagccgcatc ctctgcgctt tcctccgcac gggccgctat ctcagaacgg 300

cctggtgcac gcaagtcgat gccctccagg gnagctcccg tgtgcacncc ccgcaaatcg 360

cggctgtctg actcgagcgg tagctccata gcggagtctg agccctctct ctgttctggg 420

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tccgaacatt aattaccaaa atgtccaaca tgttcatgtt tacattttta tgaaaactgg 180

agtatatgga tttcaatcta agccctgaca ttaagcagct gatgaccana gatgagtgtg 240

ntcntgtaat ccatcatcag ccctgctaag tacttcttac aaatcggccc cagtgtgtgg 300

agaacgcctg gctaagggta aaggcttgcc tgaggcacac atataacttt ctttttctc 360

cgtagaagga tttgccattt tgtgtggcaa cctagtcctc ggtcnttcca atttcctttt 420

ttttttcttt acaattttct cccttatctc tgaaatggtt ttattctttc cccacaagca 480

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aaaagaggac cgggaactga aggaggagaa agatgtccaa aaggaagaag aaattcccga 180

aaatgcaaac actgaaaaga tttccatgga aacactgctc aaagtgtttg gaggaggaaa 240

tgaagtactg gatgccaaca gatttgccag ctacctaaaa tcagagaata tttatgcaga 300

gaatttcatc aagacttttc aggacctggg tgccaggaac ctggagccaa ttgcagttaa 360

tattctcttg aagcatcctt acattcagga cctgattgca aattatgtag actataaatt 420

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cacgaagctg cccagaaagg aaggacgcag ttatgtgccc tgctcctagc acatggcgca 180

gacccaacca tgaagaacca ggaaggtcag acacctttag atctggcgac ggctgatgac 240

atccgggctc tgctgataga tgccatnccc cctgagncct naccnacntg ttttaaacct 300

nnngcnncnn tnnntnnnnc ctntcnnatc tnnccagnnt ccacccccctc cnncctntnt 360

ncnnccanca ncanagataa cctcactngc ccnttaacgn atctggcngt aggaggggcc 420

tccnatncag gnganggcnn tncnggtnca gaaaggaagg aaggagaagt tgcggntctt 480

gacatgaaca tcanccagtt ccttaaganc cttgnccttg agcacctgag ggacattttt 540

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tgtgcangga aggacattcc aaaggaagta cagcggagca gaaccttctc tgtggntgtt 240

tncttgttca cacaatcctg gagangccag tgccgcccaa cttcacaagt atccataang 300

gatccagann nngtcaccca ttgccggtgt gaggctcctg gtggctgggt cccgggccct 360

gttcacgaga tggtcaggag cccctntagc cctntgaact gtggctccag tcctaaggcg 420

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gtcaagaaat accagtggaa tccccctgct tatntgagaa atggtataga tcttgttttt 180

cgtgtaatat tgctggagga aacagatgga cacctgaaca acaaaagcct tgagctctga 240

atacaacaca cacaatccta gaacaagggt gggtttttg gcaatgtagt agatgaatta 300

aaggatttgc catataatgg cccnnaannt annanannnn caaatagaaa ttttaaatcc 360

aggaattatt ctagcaaanc tcctaagatg tttatgggga aatgatattt attaaaggnc 420

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agtccagtac cacaccantt ccagcctntg agaagtatag gaccgcttca gggngtcaag 180

cctntcaaac tgtntngcag agaattangt cagatttctg ccatggagct gtcattgcgg 240

cgatgcantn ttgnagctgg gggccggtca atgactgctg attcccttga agaccccgaa 300

gnaaactagt gatttcaaag cccnggcact gaacaataaa acttctaatt tagtaaatgt 360

gtggaaagat gcctnttctg acttacagaa ttaaacctcg gggnagcgag ctctttcctg 420

ggacacagga aaggggggttg gcnccantcc tatgtangac agtgtatgtg ggggctttgt 480

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caacatatgt gttcttgaaa gctgctattt tgagcatgct tccagaggaa gaagtggcag 180

cgactaagga gaatgtggtg tctctgttta gacaggtgga tgntctgaag cagagaatcg 240

cgggnaaatc tctcccaaca gagaagttcg ctgngagnaa ggcncggagg tactcacccc 300

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caaataactt taaatccatt accagagcat tcagtgagtc acttaataaa acttattgag 180

gcacagtcaa agttacccat gacactttca aaaagacaat tacatccacc ncaagcaaaa 240

ctatcaagtt tcaccttgag tgaagtttcc actctacagt catcgttgtc ttctatgaaa 300

tcatctattt caggccagag agctctaaaa ataangcagt atacantaga gtcagcatat 360

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ccctctttct gttttctacc ctaccacatt cccttctntg aggaacactt cctacttccc 180

cactttcatg atggccatgc ccagctcctc ctgtctatcc aaaatttcct ccaactgccc 240

tgttctctct gcatcccctt cacatttgtc taccctcatg actacctctc ccaagaaagc 300

accgatggat agatacctcc tttctgtttc gcgtntgagg ccttcagcca gccaggccaa 360

ccagnggaac ctgaaatgct aagactacaa gattntcaag taactccaag acccaaagtt 420

acaacactnt ntacaaaacc taaaatatga catntaggac aanatgatta ttanagaggt 480

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ccacctaagt tcatgcccaa gtgtctgtct tccgtgtgca aagggagcgt gggaaacggg 120

gggtctggat gagagtgcct gtggtgttga gcaggcaggt gagcctgaac cgtactcctc 180

ccactccgct agggaagagg actctcctag agagacaaat cctgtactta gaaacatcag 240

ctttcaagga gcttgacaag aattcctctt tggtttttgt ttagtttttc acttgtttag 300

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cctggggcac ggagaccact gcagacagac ttcaagacag ggaagcgagc atagcagagg 180

ccatcaacct cgggccacca acatcctgcg ggccatcaac tcagccgctg aaggaacagg 240

aaccactgag ggtcagggag ccaccaactc atctgctgac tggaagtggg gtacctagct 300

aaccactgat gatcagggga ccagcaattc tttcacngga gaggaagggg cccactgact 360

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gccaaactca gactggtttc gcgcaggcac ggatcgcttc cggaaatgcc ttctgctttg 180

ggtctccggt caaaaagtgg ggagcgctgc tgctgtgcag agctcattta gttccacagc 240

tgtctatcgc ccgtcccatg gagtnnnnnn nnnnnannnn nnnagnnngg gcaagcgggc 300

gcagcgctgt tnttncaggg cgntcagaca cagctgagga tcccatttta gtgttataaa 360

gagaaaacaa atggatggaa gaaaatcaaa tagaggagta aagaaaatta gcaaagaaaa 420

ttaacctgtg ctttgaaatg atctcaa 447

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cttcatgatt gctttttact tcaaagaact gtgtaaaaag accagacaca gcagggagtc 180

ttcggacttt tcacatgaat gctttcaagc atctgtggca atatcttagt ttacntatgc 240

antcnantgg acagcagana naantnttna tggatgggca gcacccctga actacatgct 300

gtantntcag ccatgatgct attntnttca natnttntta gatgaatgga aggntcaacc 360

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cttgacgcct ctgaaaaaca ggttcccttt gaggaaaaaa atgtctnatc tntaagcatt 180

ancctcnaan ctcccctctc ctntttgctt tgcttcctac cccngcttct catttctttt 240

tccttttana aaaaaaaaaa aaagaaaaga aagaaaacaa ctacctttct gaatgtattg 300

tatccaaggc ctttgcaatg ttgggagcag agtgagcagg tgtggggagt cctgaaagac 360

tggttacatt acggaggtca tctggcatcc agagaaagct actgctt 407

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gagatgctca aggagaaagt gaaggaaaat cagctccagg aagcagagct ggctcagcag 120

aggcagatag agaacgaaga gctagaagcc aggctgaaca tcctacggga agaggaggcc 180

agganacaag acttcgaact tgacatcact gtgctcaagg agccatcgga gatcccagcc 240

tctcagcctc tcacgcccag ccccccctaaa gaggacctgg cttccatcca gactagcaag 300

gccagccctg gcaagaagaa gaagaagtga aggcacgcag tgtcatggtc gagctgcaag 360

gacaagt 367

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tgagactgtg tcctcagaaa caaaaacaaa acgtaaccag ccaaactaca cagatgtacc 180

cggctggaaa atgactgcag ttcttgcagg atcacaaaca aatttctccc gggggctagc 240

cagacaccat aggtacaaag aaaaccaagt ctatatataa tctctctctt acagtaagat 300

ctactttatg agctattctt tgctgggtaa aaatttatcc cccngactta actgccttga 360

tgtaataaag gttaatttac atagagcctg agggaca 397

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ctcagntcat cagggcccct ttacccaatg agctatttta caggttctga aagcaggttt 180

cactcactca ggctgncctt gactttncag tagtgctcct gctctgcagn tctaggatca 240

cgggcttacg acatcatgca tcatcacttt tttattagga t 281

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atccgnnaag tgtaccgaaa caagttgctg gagncagagn cgcttgaggn atggaggcct 180

tgncagnctc aggaagnctg cagtgaagat agagatagag aanaantcac cagcttctga 240

ctcacanaag aagaagaaag taggaaagaa aaagtaacgc ccccatggtg cactatgcca 300

cagaggaggg agtgttggac gcactatcaa tcactttcct cttgatcaag cattaggtca 360

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tggctacaac caggcaactt ttccccgccc tatactggct ttttctggct gtttctgggt 120

tcanccgggt ggaggagcaa gggcagaanc aggcagcatg gtggtgcatg atggtctgta 180

agccaaggaa gccatcatta aagatgctaa tacatnanca cgntnttctg taagggaaac 240

tgcctgagcc tcctaccntn tgccctccgg tttcntcctg tccgttttct tccccagccg 300

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<210> 8907
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<212> DNA
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tggccatgat gacccatgac tgaccaggga caggctctta tctggatgtc ctaaagacca 120

ttcctctgat ggagagaagg aatagaaatg ctgtctggct caaggaacct gntgntggct 180

gggantnatn actgntcctt ngcatggaat gntccgagga cagaagccca gntgagagct 240

agttatgcnt tcntaattta tggtgggtna cagagggaat gaggctagca ttcctaagtn 300

tccctgtgcc aagtgacaag cactggcctc acgtgtggca   340

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<212> DNA
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<223> n is a, c, g, or t

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gatcaagtta gacgcnctgc tcagaagaca aatggcatca caggacagat ttgaaanaag 120

ttttgagaaa acagctgcnt tanaagacca agggagttcc aggaacaaga tgagaagagt 180

attttactgt atggaacatg ttnttcattn cgactntggc aactaaaaca gtcnctatgg 240

ntggttatca attaagtccc tatcaaaaaa 270

<210> 8909
<211> 244
<212> DNA
<213> Mus musculus

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cgtacgcgca cactctggtt gaaaaagatc caccaccaag aaaaacctgg gctctttact 120

gaaagaactc ggccacggac tggtggctca gcacttgcta ccaaccctga agattgaatt 180

tgatccccag gacgcaacct gctggaagga gagaaccaac gtccagtaat tgtcctttga 240

tccc 244

<210> 8910
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<212> DNA
<213> Mus musculus

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ccctccccca cccccaccac gccccgagca ctctcacgcc gtatttagac taaaaatgag 120

gtggattctc cgccagtttt tctctggcga aggcaatctt cagcttaagt gttcccgcgt 180

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<210> 8911
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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gtttttctat gtaactattg cagcacagtc tttgaaatat tttatagaag ttcgttgtnn 120

ggatgtctta taatttatat caccatttcc ttattgaata ctttctaatc ttganttatt 180

acaaataacg tgataaataa acgtgtntgc accccatttg gaccacaaat tctcagtaga 240

cagccttggn taaggtnacg tggtttntat tattttgaga ctggtctctt gttcaaactg 300

gccttcanct ggctgtgtga aggaggatga ccttgaagct ccggatccac cttgcttcca 360

cctccctcca agcgtcggag actacagtca catgccacca catccaggct gttacttgtg 420

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tgcaaaatag taacatgtct catagagtcc tgag 514

<210> 8912
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aagtccattc caggcctgtt catcgaatnt gtcaaaataa aggatcatcc tttgtagccc 120

agcattccct ggcatataat cttttnctga cggcagctgt tggtgatggg attcgactgt 180

gggacttgag gaacttgagg cttatgtgta tgaaatgggc tccagcagct ttctgcaccg 240

tcttgcagga cacacagata cgattactga agtggccttc aacccagcag ctcctcagct 300

tgtcacancc accttagacg ngaaacttna gctatttgng gctgantgat naccntcatn 360

ctggtaagaa tncaagaaga gaggagagaa agcatccatg gcttagctat tgaagtcgat 420

gggcagtttc cataggagnc cttgctncac ccctnttctg taggactgac cctcatctga 480

ga 482

<210> 8913
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctcattggt tttgtttctc cggagatcct ggatgtatct gctgctatgc gtatgtatat 120

gtatatgctg ctatgtgcta tcatctacag gggcgtaacg cctctactgg tctcaggaga 180

caagaccttc aagtaacaca tggtaccctt gtaggttttc ttcggttact gctaaccctn 240

aaagcaaaca gtntaagaag agctttcttt ctcagaaaag ctatccttag tatctcttag 300

aagggctctg cgctgaacaa taaccatgta gtgatcatcc tcccggcaag tatccaggtc 360

tcataaacag ggtggctaga cgctattct 389

<210> 8914
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gatcactgcc agctttcgca ggtttggacc ccttgtggtg gactggcctc ataaagccga 120

gagcaaatcg tacttccctc ctaaaggcta tgctttcctg ctgttccagg aggagagctc 180

agtgcaagct ctgatagatg cctgcctgga ggaggatggg aaactgtacc tgtgtgtgtc 240

cagcccaacc atcaaggata aaccggtgca aatccgaccg tggaacctaa gtgacagtga 300

ctttgtaatg gatggntntc agcctttgga ccccagaaaa actatntttg ttgggggagt 360

tccangaccc cttngagntn gtgagtggna atagaaacag canagcaaaa gcgctgagtc 420

cccaatgcct tagntntggn tntccagtna gccaccctca gcctcaaagg gaagcctgcc 480

atggcagttc actgagcgac ggcctaatgg tt 512

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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtggtggaag ccgacataga ggacattaaa aaaacgcaac agcgcagttt aatggactgg 120

agctttactg aatattttca gccaaaagtc ctgcttcagg ttcttcagga ggctcaccag 180

caataccgat gtgttgactc ttactaccac acgcaggata actctttact tctggttttt 240

cataatccaa tgaatctaca gcgtctgcaa tgtgaacatt ggaatattnc tnttcactcc 300

aangtcggat tcaggtgact nagataattc tgctaaattt tggctgantt tgccacatag 360

gttttggttc cttgatctgg tctttatggc tcaactcaat gaaagcattt atattgtggc 420

atagattcaa ctgagctccc taaattaata tgtatcatgt gctatggttg tacattgtgc 480

tta 483

<210> 8916
<211> 474
<212> DNA
<213> Mus musculus

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gtgtgccctc gcatcctgtg cctttgctgg ctttcagcct aaggtaccct gtcatgccca 120

ttccctccag aacacctcag cctttacatt ctaaacatga aggaactcag atctggcaga 180

gctcctcccg gctaccaggg gcatcactca gcacctcatg gtctcctgag gtcttagctc 240

gctctctctc tgccactgat ctggcacctt gctgtggtct gaatgggttc ccagaaatcc 300

atgcattgag accccaccac tgatggggtg ttgccagaat gtgggtcttg tgggtgggga 360

ggagttaggt tgtgatgatg gagccctaaa gattggggtc tgtggctttg aaggcacttc 420

agcccaccca tgtatgagta ctgagtcggg gagtgccacc tacaaaccag gctg 474

<210> 8917
<211> 173
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tcntattctg ttttcatggg cagccatcct attttctgaa agactcaatg aagccatagt 120

cacattaata ataggtttag ggatagcatt acacaatgaa cttttcctct tac 173

<210> 8918
<211> 451
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (286)..(286)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (295)..(295)
<223> n is a, c, g, or t

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<222> (297)..(297)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (390)..(390)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atctaatcaa cccgatagcc aacttgcaac agcatcaact tattccaact gcttgcataa 120

atagaagaag atacagcata ccttggacac caaccagaaa tctccctttt aaagcccaaa 180

ggaatcttat gacagacacc tccgaatggc tccagtctgt gccccttggg tcatttgaaa 240

gtttgttacc tctctgcaat cttcagnaga agacaaaaca ttttgnantc tgggncnaaa 300

aggctaagga tgtgcagctt gccaccagcc natgggaggc tgtgcccttg agttctaaca 360

tggatgcaag tntcatcagg ggtaacagtn ttctgcancc taaagaattc accatgagga 420

gctctaagca gagaattcct tacctaacca a 451

<210> 8919
<211> 470
<212> DNA
<213> Mus musculus

<400> 8919
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gaagaaaacc ttgctgctgt aatgtctgtg gaaaatcttt cagccagtgt gcccacttta 120

atcatcatca aagaattcaa actggagagg gagcctacgc atgcatgcaa tgtgggaaac 180

caaaacttag tgataaacca aaacttgtgc cgtatcagga aactcaccaa tggtgagaag 240

ccctacagat gtggcgactg tgggaaaggc tttcagaagt aagtactatc ttagtgtgca 300

ccagagaacc cagaccaatg agaagccata cagacgcaat gagtgtggaa aatcttccaa 360

ggataccaca atttttaatg ttcttcaaag aatccataca gaagagagac cctgtgaatg 420

ctgtgactgt ggagaggctg ttcgtgtgtt ctcatccctc attaatacat 470

<210> 8920
<211> 566
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (264)..(264)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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acgtgctggc tgtgttcaaa cagcgngcgt ggcccgtgcg ccgcggtggc caggaggcct 180

gggtgccacg tgctgaccta atntgcggct gcctgcgcct gcgccctggc gctgactacc 240

tcctgctggg ccgtgctgcg cagncccacg acgacgacaa ctatgaccct gcgcgcctca 300

tcctgaaccg ccacggcctc gcgctgccct ggagaccacg atgggcccgg ccgctgcggc 360

gactgcagca gaaggagcgc ggaggtgcct gccgaggcct gctgccaccc acacggagcc 420

ctgggcccag gaactaaagt gagctactaa tgtaaggtgt gagtccccag agccaatcag 480

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gactgcttgg acctgtgagc cttata 566

<210> 8921
<211> 432
<212> DNA
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<222> (251)..(251)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttctacagat ggccctttac gtggagcctc agatacgtac agcctgtcta aagaagccgg 120

gttccagaag cctgccttgt gggagttccc tgcctcttgg actgacactc ccctggactc 180

cgccccctca cagcatgaag cagctagagc ggtcatcgtc ccctttcctg acaataattg 240

gtgtcaatct ntgaagtggg gaaggaaggc aggttagatg gacataggta gactaggaaa 300

gtgagagcag acttcctgac acaaggcttn ttattctcag aagacactgt gagacagggt 360

atgaaagctg aaactataga ggaagggagg acaaaggggc cctataaaat acctacgcca 420

gaagcctttt ag 432

<210> 8922
<211> 432
<212> DNA
<213> Mus musculus

<400> 8922
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attcctgttc agcttatgca gtacccagcc caagccataa aggtgctctt ggcagggttt 120

aaacctccct taagtgactc gggaaaaaca agaataccat actgtcccaa atggagcatg 180

gaagccttgt ggactatgat agactgtctc caaggaaaac aactttatgc ttcttctgtg 240

gctcaggcac cagaacaaat agtgacatta tatgaagatg aacaataccc agttcacatg 300

tccttggtag aaatggggct tgcagataaa gatgaatgat gtgcacaaga gctcctgcag 360

ctgtccagaa aaaaagtttt ctgttagatt tgtaccactt caggtttgat tttaacttgt 420

tctgcagtgg ta 432

<210> 8923
<211> 369
<212> DNA
<213> Mus musculus

<220>
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<222> (36)..(36)
<223> n is a, c, g, or t

<220>
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<222> (144)..(144)
<223> n is a, c, g, or t

<400> 8923
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aaaagtccag gcaggtaaat aaaggttagc aaaagtttgt atcacacaaa caatgtgtgt 120

ggaatgctta ggccttgtgg tagntggcat gtgagattcc agctgtgctc atacaaagac 180

agtagtgtgc tactagtaac aaatatgaat agggaggatg agataggatg gaaaatactg 240

taacaccttg gtcaaaacaa taaatgcaaa gatgaattaa agatagacca attctatcct 300

caggaaatga tcgattatat gtataaactt ttgtataaac atatgtatgt acacacagac 360

taattttgt 369

<210> 8924
<211> 439
<212> DNA
<213> Mus musculus

<400> 8924
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tatgcagaat tttgcaagaa aatacaccat ccctattgac ttactaggct acgaatttga 120

ggtgattcct ttcgattact ctgacacccc accagaagat ggcgtctaca ttcatggatt 180

gtatcttgat ggagcacgct gggacaggtt cagtggattg cttgctgaac aatatccaaa 240

actattgttt gacctgatgc ccatcatatg gataaagcca aatctgaaga ttgagattgt 300

gaaaatagag gcctatatct gtcccctcta caagacgagc gagcgtaaag ggactctttc 360

cactacagga cactctacca actttgtcat tgcaatgttg ttaaagacag accagcctac 420

tcaacactgg atcaagcgt 439

<210> 8925
<211> 497
<212> DNA
<213> Mus musculus

<220>
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<222> (360)..(360)
<223> n is a, c, g, or t

<220>
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<222> (379)..(379)
<223> n is a, c, g, or t

<220>
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<222> (399)..(399)
<223> n is a, c, g, or t

<220>
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<222> (403)..(403)
<223> n is a, c, g, or t

<400> 8925
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aactacatag tgagacttgt ctcagaaaat caaaatattt tttaaaatta aagatatata 120

cttcagctat ctgattttat tttatgcaag ctgctaaaaa aatagaaacc catttctaat 180

gacagaaaat agatcagtga ttgcctagag acagaattga ctgttgaggt attgggcatt 240

ggggcaatgg aaacatgatt tagccctcag agctcttgtt cctcttgcag agaattccat 300

ttggttccct ccacacatct ggcagcttac aatagctctg ttttctggaa atctgacacn 360

ttcctcttgc cactgaagnc accaggtaca catgtggtnc atncaagaaa tattcatata 420

cataaaataa aaatattttt aaaggtattg ggagctttaa ggaagtattg agctgggtat 480

aatagcacac atcttta 497

<210> 8926
<211> 501
<212> DNA
<213> Mus musculus

<400> 8926
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actacctatc taactgggac ataagtaaat gctctaaaaa ccttcttttt tataaccaga 120

ataaagttac tgtgatagat gaagccaatt tttatttcta tatatttctt tttcctaatg 180

tcttaggaat gtcttctttg cagttgtctt cattcctgtt tgtgtacata catgtacatg 240

tgtgtacacg ggtgcactgt taggtctcaa acccagaaca aatggctgag gcgctcatta 300

atgtatcaaa gcagacagtg gccaccatgt tctgcctgca tctttcagtc cctacctgtt 360

atgtgatatg gttggcatac ccctgcccct accctaaact ccaacctcga ggctgggttg 420

cccttcctcc agctgctctt ctgcccatat aatccagctg ttttggttac caatcctttt 480

tggtccacct ttactctctt g 501

<210> 8927
<211> 449
<212> DNA
<213> Mus musculus

<400> 8927
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tctgtacaaa ggccgaatga gcagccagtt tgggactcgg actggggaga aggacattgc 120

agctgtgaaa gtttcatatt acaccattcc aaacctgact gatcgtgtgc gcccaggatc 180

cttacttgct ccgggctatc cacccttgag cccccgcacc agtatcacct ctgccaccac 240

tctacactct gccaccaaca ccacgacggc acggccacca tccctgccac cagtgccaca 300

gctaccacca ctgatccctg tctcaaggga tacccaagag gcccctggat ctgccaagcg 360

tttgaaatct ccacggctgt agcacaccaa cccgtgaaac ccaagcctgt gactcaacta 420

ccattgggtc cccttcactc aaagaaaga 449

<210> 8928
<211> 484
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
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<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
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<222> (256)..(256)
<223> n is a, c, g, or t

<220>
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<222> (263)..(263)
<223> n is a, c, g, or t

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<222> (284)..(284)
<223> n is a, c, g, or t

<220>
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<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<400> 8928
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atggtcgtca ttgtcaccaa gacttccttg tcttcccaga ccccaacttt gtccctttta 120

caccaagcac tgtctcacca gccaccagat gctggcaacc tctgttgtct gtctctacct 180

gtctgaccca ccttggcacc tcatgtcagt ggatcataca tccattgatc tttcngtgan 240

tggtttnttt tctggnacat ggngtgcaca agtgttaatg aaanggcaca catcagcatg 300

tactccattt ttgagactat ntaatatttc ttttgtgggt ttcagttatt catagagana 360

cactanccat ctccatcctt ttgatatagt gaaaatgaat gctatgtatt gacatgaatg 420

tacatgtgct gtatctgttg gattcttttg attcatacat atatagccac gatgtaccac 480

aatg 484

<210> 8929
<211> 497
<212> DNA
<213> Mus musculus

<220>
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<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

<400> 8929
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agaaggaagt tttgtggcaa aatagaattt tccgagagaa acaatttgaa gaaagacggc 120

ttaaggattt ccaggatgct cttgatagag aagcggctct tgccaaacaa gccaagattg 180

attttgcaga acaaaccttg agggagaagg aaattcatga aaagatctct gtggaaagag 240

cccaacagcg ttataagaag cattatggga tatgtgcaga gattttggat caaatgctag 300

atttgtgcac gaaggtggca gactataggt tgctgacaaa taatcttatt ccacataaga 360

tgatgcacga ttggaaagaa ctngtntttt agtggaattc cncatatatg aacagacttc 420

ntcttacaca tggacaaaca gaacccactg aggatcnccg tgcagaagtg aagaaaagga 480

acttactcga tagcaaa 497

<210> 8930
<211> 464
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<400> 8930
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gggaacagca ggggaagaag gcagcccagg gccagctggt ccacggggag atcctggtgc 120

tcctggtctc ccagggccac caggaaaggg caaggatggg gagccgggac tacgtggacc 180

acctgggtta cctggtccct taggaatcaa gggtgaccga ggaacacctg ggattcctgg 240

ctctcntggc agccgtggtg acccaggcat tggggttgct ggtccacctg gtccctcagg 300

acgaccagga gataaaggac ccccgggatc tcgaggctta cctggattcc ccggccccca 360

gggaccagct ggccaggatg gtgcaccagg aaacccagga gaaanagggc ctcctggaaa 420

accagtatgt cacctgccgg gtctggatga atgctgactg tcag 464

<210> 8931
<211> 456
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (228)..(228)
<223> n is a, c, g, or t

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<222> (240)..(240)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<400> 8931
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gatttttcct gaaaaatcta gtggctagaa gaaaaacaaa agcttctaaa gtgtagccaa 120

gcccttcaag atcacaggag tgttgcgatt ttgcttccag ttggtgtgag gatggtgtca 180

ccctgtcagg attcctgtga gtgcaaggca gcaccgttnt gaagggtntg atggctgatn 240

gaagnggaat ggtgtatacc tgtaattcca cccaggaaaa aaaaaaggaa aagaaaaaga 300

gaaaagaaga aagaaaagaa gcctataacc ctgtaaacga canacattta gtgataattc 360

atgganttnt tgctggcctt tgtcctnatc cttgtcagtg atgacttgat cacagaacag 420

cttggaacgg cttgctgttg ccattgtaat tcaagt 456

<210> 8932
<211> 257
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
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<222> (86)..(86)
<223> n is a, c, g, or t

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<222> (115)..(115)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

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tntcatggca cggagttttc ctcccnaaag agtaatttct atctatttaa aaaanaaatc 120

aaataatttt tntttgatat ctgtattgaa gagtacaaac ttcagaataa aatcacatgt 180

ttaaatctag aactcagtag ccacttgtaa tattctagga ttaaagccaa ttgtccagtc 240

atgtttctaa tgtatag 257

<210> 8933
<211> 160
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(56)
<223> n is a, c, g, or t

<400> 8933
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tagtcatgcc ctcgagtact gctctgggga aaatggctgt aaagccaact agcaggaatg 120

ctgtattgtt tttccgaaca attgccactt gccggcggcc 160

<210> 8934
<211> 320
<212> DNA
<213> Mus musculus

<400> 8934
caaggtgtgg tgtggatgct acccaccttc cttcctttgt gtaaatgaca gcagcacatt 60

gtggggttcc agccattgtg acattgaaag aagccacgaa gagaggatag aaagtctgtg 120

gagcacgctg tctacctgca gctgttagag atcccatctc tctggggctc cacagtgaca 180

ttcatgttgc atgtccctct ttaaccagtt tatccatctt gctttcatag cctgtgctac 240

attgtcctcc ttctatattc agcacatgct taataagctc ctgtactatt cttggcaccc 300

gagggtcact gatggacatg 320

<210> 8935
<211> 415
<212> DNA
<213> Mus musculus

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<222> (100)..(100)
<223> n is a, c, g, or t

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<222> (117)..(117)
<223> n is a, c, g, or t

<220>
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<222> (125)..(125)
<223> n is a, c, g, or t

<400> 8935
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gctaccactg ggcagtggcc agctccagtc tacaaaggan ggcctcaaag gatattntac 120

aagantacaa aacagagtcc taatgagcct gtcagcagag cccccaactt ccctcattag 180

gccagacatc ttgcatctct tacagcagac caaagaggca gctctgaaca gcagcttaaa 240

gcgatcacca gcctggattg ctcagggcag cagagctgtg gggcccgctg gctttgcagc 300

acattcctgg ctgggatctt ccattgtcat acagtgcatc cccagaccct cgctcagtgc 360

accgaggttg tcctgccagc cctgctcctg gtctgagagt ctcctgcacg gtgac 415

<210> 8936
<211> 400
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<400> 8936
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tgtgntacta cggaggatat tatggaggcc tgggctatgg ctatggtggc ctaggctgtg 120

gctatggctg tggctatggc tgtggctatg gtggctatgg atatggctgc tgccgcccac 180

tgtgctgtgg aagatactgg tnttatggct tctactgagg agattcagca gctgctcact 240

ccaactttnt tcacttcaga tgtccctaaa tatcctcatc aatttacaat atntgaggaa 300

taatatgtga aacgcagcat gtccaccctg ttctttctct ctaatttgat ttcataaata 360

cttgtagcaa ggttnttcat tcttgcgata atgccttgta 400

<210> 8937
<211> 346
<212> DNA
<213> Mus musculus

<400> 8937
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tcttagtgct tcagacagac agtgaaataa ttactggact tgtacacaca gagatgaatt 120

cacaggaatt agatggagtt ttatttttgt agtatgtgtg cgcacacgtg tgggtgtgca 180

tgcatgtgtg tgcatgcaca tgtacgtagg tgcctgatga ggccagaaga ggggattgga 240

tcccctggag ctataattat aggtaagcca cccaacagtg tgtgctggaa acccagctgt 300

ataagaacag caagcacttt tgagtcattt ctccagactt aataaa 346

<210> 8938
<211> 334
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

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<222> (81)..(81)
<223> n is a, c, g, or t

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<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<400> 8938
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ttaggtgacc agctggtcct ngagnaagat tctgatgaga cctacgttcc cagtgagcaa 120

gaaatccttg actttgccag agtgattggt anttgaccct atcaaggaac cagaactgat 180

gtggctggcg agagagggta ttgaggctcc attgcccaag ggctggaaac catgccanaa 240

catcacaggt gatctttact atttcaactt tgacacgggg cagtccatct gggaccatcc 300

atgtgacgag tactatcgaa agttggtcat ccag   334

<210> 8939
<211> 327
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<400> 8939
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ccctggcatt atagaagact gtgacccgcc atgtgggtgc taggaactga acctggatcc 120

tggggaggag caggcagtgc tctcaacctc tgagccacgt ctccagctcc tgagtgacta 180

ccaacctggg atcaggcttc ttacttctgt acaagtantc cttcatgagg aagagagacc 240

aagtctngaa tgcggtgaag taagcagaga agattttatg gcgtttcaca aatttntctt 300

ggcctccgag acagcaaaat aatcata   327

<210> 8940

<211> 185
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (60)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(67)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<400> 8940
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ngttgnngtt gntgttaacg ggagaagaaa actttactaa nacaaatctt aactacctta 120

tcctgaaggt gtcgcggtga gagcaagctg actcngcatg gcccccgcat atccgtggtg 180

tcttt 185

<210> 8941
<211> 361
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

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<221> misc_feature
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<223> n is a, c, g, or t

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<222> (124)..(125)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (130)..(131)
<223> n is a, c, g, or t

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<222> (136)..(136)
<223> n is a, c, g, or t

<220>
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<222> (165)..(165)
<223> n is a, c, g, or t

<220>
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<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

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nccttttctca gtgggtcctt tgttttaagg aggctgttgg tactgtgtgg ttgttcttgt 120

tgcnngttgn ngttgntgtt aacgggagaa gaaaacttta ctaanacaaa tcttaactac 180

cttatcctga aggtgtcgcg gtgagagcaa gctgactcng catggccccc gcatatccgt 240

ggtgtcttta tcctaccttа cttggaagtt cgttncaaaa caggcagttt tagaatttga 300

gattttgaga ttgtttaaaa antcctagtt ttttgatgta ctgctctttt gtggtcattt 360

c 361

<210> 8942
<211> 330

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<400> 8942
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gcggccgcgg ggacgagcag ggctccggcg ccggggatct ctatttctct ctctgtcccc 120

gatgtctgcc cggcggtggc agcacgtgcc tgcagactca ccaacccggt cagcctgnag 180

agatccagtt gtgattcctt catcccagct ctccncaccc gcccctaaan tggcnggnga 240

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gcaatgctct gatagttaat gggtactgat 330

<210> 8943
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<223> n is a, c, g, or t

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gccttcttca gtgtnccnan ccatgtttnn tgggacccaa aagnnaatgt gagaancaga 120

gtnttcattt ttggcagttg ntttgttta tttttcaacc agatanctgt tgtgtttttt 180

taaaaatgta agaaacagga ctgaaattgt aaatactttg taaacacaag catttgtact 240

tgaataggat t 251

<210> 8944
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<212> DNA
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<400> 8944
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aggctcagga cttgatcttt gaaattttcc ttatgaaatt ttctttagtg tgaaatcagt 120

gtgaccacat tttcacacta gtggatgacg tcgggtctga tgttggagga ggtataagga 180

ccagctgagg ggtcagtggg ctccaggatt cagtttgtgt aattgcttcg caccatgatt 240

acatttttat catgatgggt gtggttgatt ttttttaac actcagtggc agaatgcttg 300

ccactcacga gggagga 317

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaagagaaga agtaagaatg agggggagcc aagaagacac ccagcaacag cancannanc 120

annaacanca ncagcagcan cancancagc ancaacaaca acaacaacag gctaacaaaa 180

atagtataaa tagctgactg tctagcctca acattaccag caaatgatca cctgttttaa 240

aactgtgccc tttaatatca ggcgctgaag caaaattcaa acggcctacg atgcatgaat 300

ntgtaaaact cagaatatat tctaaagacc aaggactgct ttagaggcat catgcaccaa 360

attgacaa 368

<210> 8946
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggacagaaca acttttctcc cacagtccca cgtgcacgac gttacaccgc gacttagttc 120

ggagtcttta gttctcagcc ctcccnttcc gtcctcgggn tctggaacag ctgtggggtg 180

gatctgccag cattaaaagg gcagatgtgc ctttaatccc agcacttagg caggcggatc 240

tgtgt 245

<210> 8947
<211> 311
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gactctggtt tcttatctcc aaactgtaaa aattctatcg ggcaaaattt ttgagacaaa 120

tccatcttag atantcttgn aanttcatta agagggaagt agaagggaat tnaaantgcc 180

tgttcaccgg ggataggcag aggcatacac caaaatcttt caagtagtgt actcagctat 240

aaagaatgct ttttatttta catgttcatn aaatatgtga gttttttgcc ctagctcatg 300

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<210> 8948
<211> 332
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cacatcntgg agtgtcagag gctgattttg agagggncgg atggagaggc agancacaga 120

agaagcagaa gagacntctg cctctctgct gccccaccca cagggcctgc ctttgttagc 180

cagagcacct gtttcagtgg gagccaggag aatgactgag taaagctgac agcatcttca 240

ccacccacgc acagaagtta tcttgaccaa atggcctatt ggtacctact cttaatttat 300

tctttcaagc actcccccta aatatgtatt tg 332

<210> 8949
<211> 311
<212> DNA
<213> Mus musculus

<400> 8949
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ggtttcttgt ctcacgctgt aagaaatagc gaattaatct tttctattaa atactataaa 120

aacttttatt taggacaagg aattaagatc ttttttgcct ctcccatctt ataagacttg 180

caaatatttt aatcctacta cctggtaaaa ctccagttta ctcagagtga ttccttcccc 240

ttcctccatt gtctgtgcat ctgtactttc ctgatcagac aacttaatga gactgtgagg 300

tcggacccca g 311

<210> 8950
<211> 59
<212> DNA
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<400> 8950
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<210> 8951
<211> 268
<212> DNA
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<223> n is a, c, g, or t

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gcccatgctc acctctgtgg tgaaaggacc caggccgtgg acagcctccc cagtgattag 120

tgtgttacat tgagagtaga tacgattttt gaggcaaatc ttataggttg tagacnaaaa 180

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gctggaccaa gcttaaacat cagcagaa 268

<210> 8952
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ttgcgttttc cattntggaa tntgagttcc aacagttgtc aaanttcatt tctcctgttt 120

atatatatat atttttagag nttttattta ttaaaaacaa aagtcccgtc atgcggaggt 180

cctgg 185

<210> 8953
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cctttattat ccttaggacg atcaancaan ttnaaagaac tntagagtgt tnttnatagc 120

cacacactat gcccacagtt tnttgtgaat tgancnaaag ggaaacttag gatgtgtgct 180

attaaataca tttantttta cagcagtgcc tttaatgagc acggttccca gtttgccatg 240

cgttttgatg actgatagac ca 262

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<212> DNA
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gaaagtgagt tctgtcaaaa tcatcgcagc gctcagcaca attagaatat gttaattatg 120

catttcatta aggtggatgt gagatgaaat gtcactgggg taggcatccg aaaaagggaa 180

gattgccagg cacaactttc tntagacaat gtgtgacacc ttcattacca tcaagaatcg 240

cgagtctgcc gtgac 255

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<400> 8955

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nccttcatnc ttnaccctga gnttccccaa acacacctgg acctggaact taaatctttt 120

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<210> 8956
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<223> n is a, c, g, or t

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ggagatcctg gacccaacct gacccantcc tgttcagccn ttcaacttcc aaccntgggt 120

tntgcagact tttgcacatt ttttgagcag agggtggtaa ggagaactag aacccaacca 180

tcccagntcc accctattcc cactttcanc cccagaatcc acccatcacc acaagccatc 240

tgttttcacc tgg 253

<210> 8957
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<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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tgctntcatt cggtaatggt gcgcttgcct aacacgcgag acgctcaggg tttgaacccc 120

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggaacagaac tgcccagact gtttccagca agaggcatta tntccggaac ctntacccac 120

aatccatttc acaggacaag gaaagacatc atntccntcn tntntgcttc ctcantntcc 180

acggcctggc aggctcctat aagttcatct ccagccttag ttt 223

<210> 8959
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ttagaagctn aaagtgacgn tggagtgagg gcgcagagga agtcctg 107

<210> 8960
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<212> DNA
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<223> n is a, c, g, or t

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<222> (129)..(129)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ttagaagctn aaagtgacgn tggagtgagg gcgcagagga agtcctggat tggaggggg 120

aaaaaagcnt tgtccagaga tcaaccaaga aagtgagtcg gtaatntgta ttcctacatg 180

gcttttgcct tgacttcct 199

<210> 8961
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<212> DNA
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<223> n is a, c, g, or t

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<222> (146)..(146)
<223> n is a, c, g, or t

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cgntgacaag ttttttagat gntttgcttt gaccattttg atcntcaatg gagccatntt 120

tttcaaccgc ctgtgcctgg agtttntggc catcaattac cgagaggaga gacactgagg 180

cctggggatt ggggacagga ctaagacggg agatggaaaa agctgcttca 230

<210> 8962
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8962
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gtgccggcag actgaccaat cccaggagga cacatagctt tccccagtgc cagggtgtat 120

ataagcattc ctccctgggt ttccagagtt cctgt 155

<210> 8963
<211> 90
<212> DNA
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<223> n is a, c, g, or t

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ttntagacgc tatagactgt ggcttttcat 90

<210> 8964
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<212> DNA
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agaattaatg gacttatatt gtatatggag aggattcagt gctnctgtcc agcatattca 120

ttcttgccta agantccatg acagccatgg gaattgattt cttccaaaga aaaagtgttt 180

ccttgttgta gctttgagaa atcacttgtt ccatatcaat tt 222

<210> 8965
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<212> DNA
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cactagcaan ccctcaagca cactggatga tttcaattac ntaaatccct gcagcttntc 120

agaaganatt tacntgtttt ttatgacgta tgaatacctt tgactttgat ttagaaatcg 180

agatgcattt ttaaaaatct gtgacctgta tgagaacatt ttatt 225

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<223> n is a, c, g, or t

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ccaagttcag tttccagnac ccacgttgtg actnatgaag taattccagt tccagggaat 120

atgatgcttc ttctgacntc tgtggacacc agatgtanac atggttacat atacatatgt 180

tcagg 185

<210> 8967
<211> 67
<212> DNA
<213> Mus musculus

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accttgg 67

<210> 8968
<211> 150
<212> DNA
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<223> n is a, c, g, or t

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cattggcttt cantcattgg aactgattct gaggatgcat cggcaagcgg cgtgccgtnt 120

cacaacacaa catccggcta tttgaaaaac 150

<210> 8969
<211> 195
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (102)..(102)
<223> n is a, c, g, or t

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<222> (144)..(144)
<223> n is a, c, g, or t

<220>
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<222> (168)..(168)
<223> n is a, c, g, or t

<400> 8969
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cctcctgcca tgatggcttn tnccagttcc agaagcacag anacctgacc agcaactgaa 120

acctttgaga caaccgggag ccanacaatg gaaagttcgg cttttaantc agacctccaa 180

gtcctgatat ccact 195

<210> 8970
<211> 197
<212> DNA
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<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cccgggtccc tttgtggntc agaatgggtc ccgatgagaa cctgagtgtg agagtgaaac 120

tacggagtnt catttgtagc tttgttcctc aagacttgcc atgagattta agtagagcgc 180

ctgtgtggaa attgtta 197

<210> 8971
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<212> DNA
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<223> n is a, c, g, or t

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<222> (45)..(45)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggggagnggg antgtgtgtt gggggggtgg ctgtgncctn atgatgggaa gntgctcaca 120

gggcctntgg cctgcccccc gcccctcccc ggggacntcc tgagggactg tgatcctatt 180

agcttgtgat gtatagagct ttg 203

<210> 8972
<211> 127
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8972
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ntantcaggt ggcattntga cacatcgagg gacagactgg atgccattat ttggcatgca 120

aatcatt 127

<210> 8973
<211> 129
<212> DNA
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<223> n is a, c, g, or t

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<222> (62)..(62)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (80)..(80)
<223> n is a, c, g, or t

<400> 8973
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antgatggtn tccatgcccn tcctgacagc tttttcttga ccagagtgcc ctggttttcc 120

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<210> 8974
<211> 187
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (159)..(159)
<223> n is a, c, g, or t

<400> 8974
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acattacnta cnagaaggtn acccccttaac ctngagccac tcccagagcc tgtttggtag 120

acatggtgtg gtcacaggat ttgctgacac tgaagtgtng tccaggtgtt cttgtaatgg 180

catagaa 187

<210> 8975
<211> 147
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (77)..(77)
<223> n is a, c, g, or t

<400> 8975
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caaatcagtg ttttctnaga agggcacatg ccctcaccct ttgccctaaa attcctgggc 120

aggcacaggc taccctcact gtacaag 147

<210> 8976
<211> 158

<212> DNA
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<220>
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<222> (105)..(105)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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cccaagagca tgaaaccagt gttttgagca gctttttaga agtantggat tccctggact 120

gcttactttt canacatttt tggcttgttc aagagaca 158

<210> 8977
<211> 51
<212> DNA
<213> Mus musculus

<400> 8977
aaaccaggca gtgcggtgct ttacagaatg ctcagactgc aagaaaactt t 51

<210> 8978
<211> 125
<212> DNA
<213> Mus musculus

<220>
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<222> (32)..(32)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8978
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gattgttcag tttttcatgt gaaaantttt ttntcaagat ttctcgtggt attttgaacc 120

ttggc 125

<210> 8979
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<212> DNA
<213> Mus musculus

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 8979
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ttaggaagga cccagcatcc aagccctttg tcctcagcga ggtgattttt gattccccta 120

catttcatgt ttgg 134

<210> 8980
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<212> DNA
<213> Mus musculus

<220>
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<222> (88)..(88)
<223> n is a, c, g, or t

<400> 8980
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ccatttccca ttttctgaag acattgcntc acaaggcttg acctgctttt tcaagacaga 120

tgtttagatg aactt 135

<210> 8981
<211> 90
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

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ctgtaccttg tatgtaaccc cacgtcaata 90

<210> 8982
<211> 71
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<400> 8982
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ccaattccag a 71

<210> 8983
<211> 120
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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ttcatagatc gaataaatcc attcactgca tgtgcatttt caagtgggta gacactgtta 120

<210> 8984
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<222> (50)..(50)
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<222> (55)..(57)
<223> n is a, c, g, or t

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<222> (91)..(91)
<223> n is a, c, g, or t

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gacacactgt tctcacagac tacatgcata ntgtgctacc tttgatgttc gctttct 117

<210> 8985
<211> 95
<212> DNA
<213> Mus musculus

<400> 8985
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gactcggtgt atggatctgt ggtcatttcc tctgc 95

<210> 8986
<211> 40
<212> DNA
<213> Mus musculus

<400> 8986

cagatgtacc tgagctttct tatttctgta cccaatcctt 40

<210> 8987
<211> 40
<212> DNA
<213> Mus musculus

<400> 8987
tgtgcgcact cacaggatct tgctatcact gtaaccaact 40

<210> 8988
<211> 234
<212> DNA
<213> Mus musculus

<400> 8988
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agaaatccaa agtcgtgggg gaccttggag aaggggacgc aggtcttggg ttttccctgg 120

tcagtcaaaa gacacgccag gatggagagc aggagaagag gctcctgcac agaccactcc 180

agggctcctc acaacagggt cacacctttc atcttgagga tgcctgtcca caca 234

<210> 8989
<211> 486
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (279)..(279)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agctccagtt cccagaccca cctccagaag tcttnatgga gacagactct gagcaggaca 120

tggaagacag tcaaagcgag gaatccattg tcccagatcg tcctctgaga agtcagtgat 180

ggcctcctta ttaactgctc cccatattgt agacagtaag ctccggcctc gctcccggca 240

gcttggctct gtctcaatat taggcaactc ccgccattnc cctcggcact gtcctaggtt 300

ggcttatgcc actcaccaca gaaacctacc ctagctccca gggtttactt cagaaatgct 360

cttctggtat tggagaccgc cctgcatggt gacagtttnt aggctcccca acctctgtat 420

ccctttaaga gcacagcatt gtcattttct ttgatgaaca ggtagggact gcactaccca 480

aaatgt 486

<210> 8990
<211> 324
<212> DNA
<213> Mus musculus

<400> 8990
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ctcagcagct gtgcccctta ttaacccagc tggacatgga cctggtgggc ctgggcatct 120

tcttttgaaa cccatctcag atgttctacc cacgtttaca cctttgccag tgtcacctga 180

caacagtgca ggtgttgtat tgaaagacct tctaaagcaa taggtagctt tcaaggctga 240

gacttagtag cactttaaag aaaccatgaa cactgtatgt gtgtgaactt tatcacaaag 300

tggccttcta gaaagagtca ttta 324

<210> 8991
<211> 487
<212> DNA
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ctgcatggta atgcgctaac cagacgagag aggcgaaggc tgttgagaac gtgtgccgat 120

gtcttccgct tggttccatt tatggtgttc ataattgtac cttttatgga gttcttgata 180

ccagtgtttc tgaagctctt cccagacntg ttgccatcaa cttttngaaa gtgaatccaa 240

aaaggaagaa aaacagaaaa aaacgatggc tgccaaactg gaaatagcaa aattccttca 300

agaaacaatg acagagatgg cgaggagaaa ccgagcgaag ctgggagatg catcttccca 360

gctttcctcc tatgtgaaac aggtgatggg gctcgtccca ggccagcgac ttctgggctg 420

gagttacaaa aacatgtcat tgtgggctat ccagattgtt cagaatctct gaaatgccac 480

atcctaa 487

<210> 8992
<211> 391
<212> DNA
<213> Mus musculus

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agtctctccc tctgaatgac aggtctccaa agaacagttg actgaaggat ggggcaggca 120

gggagaggct tgctctcctc attttgctca ggagttgctt gggcatcccc atctcctctt 180

cccacgaaga ggaccctaat ctggcttttt cccccaagaa gggcatgagg tagtcttcat 240

gtctgtgccc atgaaggatg aaggatnctc cttcccaacc ctttgtcacc atgattttcc 300

agggccagac tctgccaaaa tgcagagaga gccagattct cacccaggga gaggcagatc 360

agagagaacc actggtgcga aagctgcctg t 391

<210> 8993
<211> 505
<212> DNA
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<222> (113)..(113)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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attggaggga tgtttggagc tggaatttac tttgctgaaa actcctcaaa aancaatcag 120

tatgtttatg gnnattggag gaggaacagg ctgtcccaca cacaaagaca gatcatgtta 180

tatatgtcac agacaaatgc ttttctgtag agtgaccctt ggaaagtcct tcctgcaatt 240

cagcaccatg aaaatggccc atgcaccccc aggccatcac tcagtcatcg gtagaccaag 300

tgtcaatggg ctggcatatg ctgaatatgt catntacaga ggggaacagg catatccaga 360

atatntcatc acctaccaga tcatgaagcc agaagcccct tcacagaccg caacggcagc 420

agagcagaag acctagtgac cacccctggt aaaggccaga gtgattcaaa cctgcaactg 480

gagtacagtg gattgcttcc aacaa 505

<210> 8994
<211> 331
<212> DNA
<213> Mus musculus

<400> 8994
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agtacctgct gtgctaagtc ctgtttggga caccaacaca agagggtgca atgacattat 120

tgacactttg ccctgccacc accaccacca ggaaagaact actgaattcc ccaccttctc 180

agcctgtgaa tgtcgaaggc cctaaaacag aacacacatt tgtatcaaga tttttgactc 240

tgttcctgtg acctgcctgt caccttgccc tcaagtttgc aactgccttt ttcaggccct 300

ctctattttc gcaagaagag tgagtcctgc t 331

<210> 8995
<211> 368
<212> DNA

<213> Mus musculus

<400> 8995
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tgtgtcttga aatgtagaat catttcattc aggattgtta ctatttgttg ggaagaaaaa 120

atgaaataga agcaacctag tcttacatcg tgtcttgtta ccatttaaga ttgacattta 180

atttttcaag tcattgttgg tgcctaatca cttaagttat taatttattc tgttttcaaa 240

aaattgtaac atatttatct tgtgaagtct gggggtgggg tgggaaatgt gttcaagtga 300

gtcctgtttc acagtggtaa caaatggtac aggcctggag cttgcaggtc ccttttatt 360

atggtgta 368

<210> 8996
<211> 360
<212> DNA
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<223> n is a, c, g, or t

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tcttggctaa aattccttat ctaaaaaagc tgttcttttt cagcagtact ggggattaaa 120

cccagggcct gtgtatgcta agcaagtgct ctaatactga gctatgtcct cagtcaccta 180

cccacttttc ccctttaagt tcttggtgcc gattccagac cagcccttga ctctactact 240

taaactgaca tgatctggct ctaaactctg acctctctta agaatggaga taaggacttg 300

ttttagagtc tctttgggca aatatagctg gantcattcc atctagggtc tcaacttaat 360

<210> 8997
<211> 215
<212> DNA
<213> Mus musculus

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ctcactggca gagtttctgc acaccaaaga atttttcctg gaaggaagaa tatgttaccc 180

gccaagcctc gaaccactgg gaaaaacgag ccatg 215

<210> 8998
<211> 173
<212> DNA
<213> Mus musculus

<400> 8998
accaagagga gcgtctgatc atggcctaag ttggtgtttc acgttattat atttttttac 60

ccccatcccc ccccccacta aaatcatcat tttgggcctg gcgaacctgt ttgttcagtt 120

tttcatgtga aaactctttt ttcaagattt cttgtggtat tctgaacctt ggc 173

<210> 8999
<211> 508
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
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tctgtggagt cgtgtgaaga ttacgtgaat gttcctgaga gtgaggagag cgcagaggcg 180

tctctggatg ggagccggga gtatgtgaat gtgtccccag agcagcagcc agtgaccagg 240

gctgagctgg cctctgtgaa ctcccaggag ntggaagacg aaggagaaga ggaagnggtg 300

gatngagagg aanctccnga ctatgagaat ntncaggagc ttaactgaaa nccnactgca 360

gctntctntc ctgnaactgg acttgctgnn gggtgtcgct aagaggatcc catttgacnt 420

nctnccttgc cacancctga gantcttccc ctaactnatt gtcactttgg ggtccantct 480

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taacaacatg agaagtccac cttgtgttca ctcagacaaa ccttcattgt ttattgtttg 180

gccaatgaat cttcggaaac ttgcacaaac aggaaggaag ttggaaggac aggacangcc 240

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cagtaaaaca aagtgtctta aaagttttaa atagagaaaa atgtgcttta cacagttgcc 180

tataaaaagt ctatgttatc caagcaattc actctagaag cttcggtctc gttgttgtat 240

gcaattttta ctatcatgca ataagcttn aggtaaataa aactaataga tcaccttagn 300

aaatnatgca attaatgtga aaataattga tgtntncnat gntntcttcc tttggtttac 360

aatcaatttt aaagcgacat ctgtataaag tttctgtata aaggtgtatt tctttttat 420

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gtgcctgttc tgcctgcttg ttctcaattt atcttcattg ccaactagaa gttctttgtc 180

acggattagt ataaatgtag gcaaatgatt actgtccttt gtaggtagtg atattctgta 240

tggtaaatgt caggggaatg tggctttcca tgctggancc nccttntccc agataagaac 300

ctggcttnan attctntntn ttcattctng actggcacct actncataga actcttcaca 360

tcctgactct ntntntcctg agttttagtn tntnggtagt tgaacttcat tntcagccnn 420

acctgaattt agaatcacat ggaaacataa ccctggactg actgactacc tttgagcacg 480

ttttcagtaa agttatactg aagaggaaag acccncctga aatggtggta acacccatta 540

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gttcctggcc tcctggagtt cttccaaagg agttttgtat ggtgaaagtg tggacaagaa 180

aagaaatata attcttgagt cttcagactc aagccggccc tttctcagta tcatgaatgt 240

gaagccagag gacagtgact tctacttctg cgcgacggtt gggaggagag cccgaattca 300

cttcatgaaa cagtttcaca aatgatcagc gcccacaaca ctgatagcct gctagaataa 360

aaggactgta actcaatcaa agcaagatct ggactagtga gagacagcgc attcaggact 420

ggagaggccc ttgcccttgc tcaagctgcc tgctttgaac tgctgcaagc tctgtgtgtg 480

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tctctgttta ttctcttttg ggaaacctta attaagagac gatttctggg acatccaatc 180

tggaagataa acactggaac cgagagaagt ctgtggtgtg gtttaggaga ctggccccca 240

tacggtggta ttggctctct taacctcaca tgcacgaagg ctttgatgga cgcgtgtgca 300

ctgcttactc cagtntcctg cttgggaaga tgggattctc ttctgctggt ttctntctta 360

catttttttt gtaaatggtn ccctgtgttc acagaaaggt tttggtttga aatgtatttt 420

gtagnccttn caattcataa tgtttggaac tatgtattta tncctagatc aggagagtat 480

ttattgcttn tcttcatgat aaaaaatact gcaggtatnt cttaccctct gtgggggcca 540

caagtcaatc attgcttat 559

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<211> 363
<212> DNA
<213> Mus musculus

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ggaggcccta gctttggaca tgatggagtc ggagcaagtg gtagatctga cactacccaa 120

ggttgaagcc ataaagaaaa gactgggttc cctggcagat gagtttaaag aacttgtcta 180

tcctccaggt tataatcccg agggaaaagt tgccaagaga aaacaagatg atgaaggttc 240

tacgagtaaa aagcccaagg tagagttatc agaagaagag ctgaaggccc attttcgtaa 300

gggcacactg ggtaagctca ctgtacctac actgaaggac atatgcaagg ctcatgggct 360

taa 363

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cttgggaagt caatttgcag gctcctggat gagccctgcc ccgttttcac ttgccagcac 180

atttcagtca tgtggtgtga tagccaaaga tgttttggac agagaagaaa ggatagaaaa 240

accttctctt tggctaagtt ggtgtttggg gtggggatag gttagagtat agtacttaac 300

tatttgaaaa ataatgaana cacttttttc actcatgaaa tganccactt agctcctaaa 360

tagtgttttc ctgttagttt agaaagttgt ggacatattt ttttaatgat ttctgaccat 420

ttttaatcac attgactcat ggaatggccn nntcaaagca ccccccagtg cttctttcct 480

cattcccgnt catgggaact cagtattatt aatagtcaca acatgatttc agaac 535

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gttggacttc aacatagcta gagcctgtgt tctgtgcttc caagggagtt ctgaagaagg 180

ccacacaaac attgggactt ctttttgaca cnnttacgga gtttttnnca angtgtaaan 240

cnaantanna annngnangg nnnnatttnn tnaannntnc atgagtaaat ccagctttta 300

ttgtnaggtg ggactttatn agatnccnnn nnntgggaga tgtggggtga aggctatgnc 360

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gttcctaaat cttcttgagt gcattatgta t 451

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<211> 496
<212> DNA
<213> Mus musculus

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taactacata tagaatctgc atatagaatc tgtactccta tgaggaccat gtagcccagg 120

ataggttgta cgggattctc tcaggttaat atggtaggaa acccatccta agtgtgggca 180

gcaccattcc tgtggactga agacacagta gaaagatgaa agcaatctcc ctaccacttg 240

tggcttcaac tgtggatgcc atacaacaag ccagccttga cttctctcag aatgcattat 300

ccagccttga ccgaatgtat catcatgata catggagctc aacaaaccat tcattaagtt 360

ggttttgtga gggtatttca tcacagcaag aggaaaagtc actgatatca taatagtgat 420

aatcctggaa actacttaat catccctgag ttagattggc aataaatttt aatatgactt 480

gttcttggag tactgt 496

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<212> DNA
<213> Mus musculus

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caacaattaa gttaattact cagagtaagc accagctgga ggatgggagg agtctgctga 120

agtgccgtct tctaggcatg ccagtgccaa tgaactcact gaagctacag tttcctgtac 180

aagaccagac ccaccaacgt ctcagcatgt atgaggaagg aactactgcg ctaaaggccc 240

tcccactcac caaggagcta ttggctattg atgattgctg agggaaggga gtaatttttt 300

ttctctttct gaagtgtgac ttgagtaaat tgcccatagt tcagtatata atccccaacc 360

tgtgctcagg caagcaaccc taat 384

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caagttctga gagctcaggc tgcctgctgt ccacttcatc agatgttaac tcatggcctt 120

caaaggaaga ggagactgac gactggctga ggacttccat atacactcaa cgtgcaaacg 180

attgctgctg gtattctgta caaactaatc aaagactaat acacacatta gctggttaat 240

ggtgcataat tccgtcatgt ctgctaggta tgcctttcta gcttagctag tgacatgaat 300

tcatcaaggt aagattttct cctaccactg aataccactn tgtagattac natntccctg 360

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atctggaata tacttttact agtagtgtca aaataaatat ggtgactgtt ttattcagtg 180

tttcatattt atactttaga gtatttttgt acaagatcca gatttatttt gcttgaggtg 240

tttatgctat cataaagttg taaataattt tctaagactg ttttaatgcn atctacagtt 300

ttcctaaaat atttttcttg aggccntctt ttaactatca ctaggagttg tctctctcaa 360

ataaactnaa atcncaatan ccatgtgacc acacgattag tgantcattg ngctgcttcc 420

gtggctgaat ccttgcatgt gcaaaagcat ctcttaaatt aggtttgaat ttgtaattcc 480

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gacaggacag gagaaagaga tgctgggact ggtgttggga ctggtggtgt ttttagtaat 180

taaagactag gcttatctct cagccagata tgcccaacac tccttaatgt acctccagag 240

ccatcagcat gg 252

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aacccctgc aagtgtatta cagaatgtgt gaaaactgca ttgagctaaa cataggcacc 120

atatccggct ttatcttcgc tgaggtcatc agcatcttct tccttgctct tggtgtatat 180

ctcattgcgg gacaggatgg agttcgccag tcaagagctt cagacaagca gactctgttg 240

caaaatgaac agctgtacca gcccctcaag gaccgggaat atgaccagta cagccatntc 300

caaggaaacc aactgaggaa gaagtgaact cagcaggact cagggtgtcc nnnnnncccc 360

ttctatccag cacccagaat caaaacaatg cattttggag agagcccagt agagagattt 420

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agaagccgga tcaaggcatc gtgacgcctc tgcagtatcc agttgaaaag tcctctggca 180

ggggcccaca agctcccaca gggagaagag attctgatat ctgcctgaat gcaccatgaa 240

gaagagtaac tcactctgta ctctattttc aataatttaa gtatgtgcca agtcttgtat 300

attgtagata gtacagttca gcgagctgca aatgcctttt aagcacgact ntantcctgt 360

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ggatgcaatg gctgagaagg aagctgcaag atatgcacaa ttttgttagt cttggagtcc 180

aaatggctgc cagagatggc agtcaccaga agcccaccaa gaaggaggaa aatgtccttn 240

ttgatggcaa tccaaaaagt cttgntgagg gagacaaagc ntgatgtgga tgtatnagtt 300

aantcnaant ctcagtnaat nctgatttnt tntagacagt gcagggcact gacatatgct 360

gctacctttt caagcttatg aagatcacca agtgctaata cttctactgt aatgaaactt 420

tggaattttt ttgattacat ttttgctcat ttaagntctc tttcaatgat tccatttcaa 480

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agagatcttg agaggatgga ggangccatt ctggtttcaa atccctcctt gatcactgct 180

gttctcaccc ccccctcctt nccccccaaaa ccctagttct cttagagtga ggctgggaga 240

gatgcacaga gacctgccgc agtgtgtgca gagcctggga agtggaccat gctggggtcc 300

tttatggaga gagcattgtg gcaggtggct gtgccttcca tccaggaggt caggggtcta 360

agggctctcc ctgagagtct tgatctgttt ntcatagatc cacagcctcc tctgcctctg 420

tcgtttgcct gcttcagcac ttccttcccc ttttttcctc ttttcttccc agctgncctn 480

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ccactcctgc ttcctgagct gacagaaaaa 570

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tgctagactc caaaatcctc aagccccatc gaaaattgtc atcctatggg attgacaagg 180

aaaccactat ccaccttacc ctgaaggtgg tgaagcccag tgatgaagag ctgcccttgt 240

ttctggtgga gtccaaaaac gaggggcaaa ggcacctcct ccgagttcga agatccagct 300

cagtggccca ggtgaaagag atgatcgaga gtgtgacctc tgtgatccct aagaagcagg 360

ttgtgaattg caacggaaag aagctggaag atggaaagat catggctgac tacaacatca 420

agagtggcag tttgctcttt ctgacaacac actg 454

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tccttccaca agatatgtct gtccaagacc ttctgcagta cctagaactt cttaacccca 180

ccgtccaatt ccctgccact ccacaacatt ccgtttctgt ctaagaggat ttccaggtta 240

ttttctcctc cttatgtttt ttgaactgac tgaaactgga aatgtacaaa nnttttnnnc 300

nttggnnnnn nnnnnaaaaa nnnnatattt ntnnnnnaat ntacatggaa gaaaagaaaa 360

tgtattcttt tatttattct atgtattata tggcattcat ttgaattcga cccatggact 420

ctatatgctt ctcagttata ttacagga 448

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tgcagagtca cgggttggga ggtatgtggg ctagggtatg tggtttcctc agtcctaaac 180

gtctgtgtgg ccaactcagc atctgcttcc agaagtttcc cacttgcaga tgttcagtgc 240

agttacagac atgcgtttga ttccacagtt ttgtttcatt tcaaaagaat tcccctcaca 300

ggaggatggc tgagcatcaa aggaggncaa ccatntataa cttggtgtca ttgacaacta 360

tattaatgtt tatccagctg ccgtagtttg aaacnttntg ggctgggaga agagggaccc 420

cggggtttct aatttcaacc ccaaatgaca tgtttatttg cacctgatgc tcaggagcca 480

gatgtggacc ctgcagagcc aggcttgtac cacagctcag aggcgtcaag tttccaatt 539

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acgggccctg ggactcctac cccgatgtcc tggccatgca gttcaattgg gatggctact 180

acaaagaagt gggctcggtc ttcattggca gcagccctga gttcgagttt gccctttact 240

ctctgtgctt catcaccagg ccaggcaaaa agtgccatct gagnccnggg tggctatcct 300

ctnnccatcc agacctacac ctgggataag accacctacg gaaatggcaa gaantacatt 360

nccacnncct acgtggtntn ttnttcccaa tagancctnc anccanctgg gntcctgagg 420

gcagagggac aagcaggntc ctggtgctat ttgctcctna ctggggaggg gagggaggan 480

tctgggagga atcccagagc tcagttttgt aaaaggaatc tcgaatctag aaatgcccac 540

ttgg 544

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<212> DNA
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acggagtcat catcacagcc ctgtacctga gagcaaaatt cagcaggagt gcagagactg 120

ctgccaacct gcaggacccc aaccagctct acaatgagct caatctaggg cgaagagagg 180

aatatgacgt cttggagaag aagcgggctc gggatccaga gatgggaggc aaacagcaga 240

ggaggaggaa cccccaggaa ggcgtataca atgcactgca gaaagacaag atggcagaag 300

cctacagtga gatcggcaca aa 322

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ggatacctgt ttggccccaa aggtgtgaac attggcgatg tgggctgcta catctatgac 180

ccagtggaca taagatccaa atgagccatt cgcaggagtg attaacctna ctcaggcttc 240

ccaccatntc ntccgaggtn cttttggaat ntctggaatt ctctantcct nnggggagga 300

agaaggtgac acccnggggg cctggnccta ggctctgtgg tagatctgag tccagactgt 360

ntntnccagt tctgtttccc cattccnatc tggatacccc anccaccccc acacactnag 420

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agcaagcata gccatgtcct gaccctagcg ctctgatggc aggtgggcag gcgggcacac 120

gttagtccct ctgcccagcg ccccagttgg ctctctgcat cactaacctt tctacctttg 180

gggattcgtt tttttttnn gttttcttgt tcttctgtcc cattttctg gcttggtttt 240

gcacttttct ccccttaaat ttccttgatt tccttgccaa aaaagaggaa gatgaagagc 300

ccatcgtgga cacttgccct cccccanccc cgantntccc ctncctttcc tcctggatct 360

gatcccatca gaggatttaa taatcacana tacactgnnn aaaaaaannt gcctggacat 420

ttttccnang ccccnnnnga ttttttttc cccctgagga aatttagact tagctaaagg 480

actgtgtgct ncaaccccca ttttcaggcg cacggaaata ttttanccat tcacacatga 540

catcagccca tgcaggatag gtt 563

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gcttagatgg aaaaaagaga aagagactcg gtgttagata acggactatg cactagtatt 120

ccagactttt ttatttttta tatatatgta ccttttcctt ttgtcaattg aaaaacttat 180

ttgggagaat tttgcatttg ttgtacattt ttgtttttta ggatttttt ttttgttgtt 240

gttgtcggtt tataaaagca ttgcacttct ttttcttttt ttgggagatt tgtgttgttt 300

atgtcatatg ttttgttttg agttcagcct gaatgttcat ccgtttgggc gtttttctga 360

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ctgggcttca gggaagacaa atatggaagt caacagccag tttctgcctt gagagcattt 480

gcaagaatgc t 491

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gcttagatgg aaaaaagaga aagagactcg gtgttagata acggactatg cactagtatt 120

ccagactttt ttatttttta tatatatgta ccttttcctt ttgtcaattg aaaaacttat 180

ttgggagaat tttgcatttg ttgtacattt ttgtttttta ggatttttt ttttgttgtt 240

gttgtcggtt tataaaagca ttgcacttct ttttcttttt ttgggagatt tgtgttgttt 300

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cttggaagaa cattctctgt aggtttctaa gtgtacagag ccggaactgc ctcgtggttc 420

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<223> n is a, c, g, or t

<220>
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<222> (470)..(470)
<223> n is a, c, g, or t

<400> 9027
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acgagttctc tctgtcggcc ttgactcagc ccacattctt atcccgctgt ctgatgggga 120

tgcccaccat ctctgtnccc attggggatc cacagtncaa tnggaacccc cancttttcta 180

cttntgacac ctgnaggaag aaactgaagg acctgnctnn ccgagtgact gtnttnacta 240

aggaaatnca nncaaagccc gatgaggttg gtgttgcnca aagaatggan nctanannaa 300

aaaggccnnn tnaannnncc cnnnnnnnnn ncnnnnnnnn nnggngnngn annnncntna 360

taacctcgaa ggtgacagcg aaaatcaaag aaacacaaaa tcacacctag cagagaaatc 420

caagaagggt tcccagaaac accctctaaa gcaactgttc ccaacctgtn taatgccttg 480

acccttgaat acagtttctc acactgcagt a   511

<210> 9028
<211> 462
<212> DNA
<213> Mus musculus

<400> 9028
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cggtgcaccg gaagaaccac accggcgagc ggccttacaa gtgcgagctg tgcaactacg 120

cgtgcgcgca gagcagcaag ctcacgcgcc acatgaagac gcacgggcag atcggcaagg 180

aggtgtaccg ctgcgacatc tgccagatgc ccttcagcgt ctacagcacc ctggagaaac 240

acatgaaaaa gtggcacggt gaacacttgc tgactaatga tgtcaaaatc gagcaggctg 300

agaggagcta agcgcatacg tgggggacac tgcgtgcgtg cgtctgtaca gcgtgaccat 360

cgccaacctt cgccaacggg accggtgacc ggactggcct ctgcatcccc ggggcccagg 420

gaggcggcag tccagcctaa cctgtgtctg cgaagtccta tg   462

<210> 9029
<211> 372
<212> DNA
<213> Mus musculus

<400> 9029

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catgctgggt gaccctgagg ccttatctca ctccgtgtct ggcactttga tcctaagcct 120

caggaagctg ctgaaggggc tgagtagccc acccactgct gaaatacagg ccctggccaa 180

ggggctgcca ttatcaccca ggaagtcagc gatgtctcaa tacaacctgg ggcctcaatc 240

aatcagagta gcagccgctt tagcacgggc atggcctccc tgggcactgt cacctaagag 300

taaccatggc gaatacatgc ttgcttccag aggtctctga gtccaccaca ggcactagct 360

ggactccttt ct 372

<210> 9030
<211> 447
<212> DNA
<213> Mus musculus

<400> 9030
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ccttcataaa atagaaagaa aaaaagattt ggcttatttt tcactgtagc tagtctttta 120

tacaataatc ttgtaagaaa atttcttgaa ttctaaatat tactctttct agatttttga 180

aatcaaaagt tttcagtaaa aagtttctta ctttatttta ttatattagg tagttaaaga 240

aaatgtaggg ttatttacca taacctgttc attaatatca gaaatttaca atagcatttt 300

aagagcatag taggttctag cataccatgt agttcctatg gagtattgtg agagcgaatt 360

gttggagatg agctgctttt catcttgttc tccagtttcc attgttggtt tattgcagat 420

ttgtattctg tgtcaaattc aaggtat 447

<210> 9031
<211> 587
<212> DNA
<213> Mus musculus

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<222> (258)..(258)
<223> n is a, c, g, or t

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<222> (441)..(441)
<223> n is a, c, g, or t

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tgaagaccct gaagaacctg ggatgcatta gccaggccca gtgggtttca ttcacaagga 120

gagagggtag cttgaagctt tcttctatgc tactggagac aacttcgggg gctctctccc 180

tatgagagaa cttctcacag ggcatatggt ccttttttgga aataatgaga tatatagcca 240

caacacagtc taaagagnca gtaaatagta agaaaactgg gggtggaggg caggaaaaac 300

aaaacaaaca atctgggatg agcctaaaca acttttatca tgttcagtca gaatctacca 360

aagtttccaa aactgagcac tccagaagcg cagcagttgg tttttggtta tagtaactgc 420

agttctgagg aggatgcttg ngcagcagca aagacagccc agccttgcac atgctgatca 480

tcagtgcagc tgggttttgg aggcagagtt tcttcagtgt tcccagtttc tgttacttca 540

gatctggtgc tactcctctt tagaggtgac agaacactgg ctgccac 587

<210> 9032
<211> 474
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (231)..(231)
<223> n is a, c, g, or t

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<222> (234)..(234)
<223> n is a, c, g, or t

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<222> (243)..(243)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (299)..(299)
<223> n is a, c, g, or t

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<222> (305)..(305)
<223> n is a, c, g, or t

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<222> (315)..(317)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (332)..(332)
<223> n is a, c, g, or t

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<222> (335)..(336)
<223> n is a, c, g, or t

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<222> (343)..(343)
<223> n is a, c, g, or t

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<222> (350)..(350)
<223> n is a, c, g, or t

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<222> (354)..(356)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
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<222> (417)..(417)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

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ccagggagaa ccactgtccc tagtttggag ccacctgtca gacaggttag tcagccaatg 120

tacagctgac cacatcacat tacctggagt cttgctccca atccacttct gtgtcaggca 180

gaagatacca tgtccaaacc tagctgcaag cacaaactnn gaaaggnnat ntancctgtt 240

ccntggtgtg gccctcacag aattaagctg gagaatatgt ttgnatggtg ggaacctanc 300

ctttnggact tcctnnngnc aagaggcact tnctnncagg ttntcccatn tctnnnccna 360

gngacatgcc ctttccttct gaggntccct gctacctccc ctttccatac tctgtantcc 420

cnacagttta caacctttaa attttagatt aagaagaact ggtaggttgg gcat 474

<210> 9033
<211> 560
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ccacagcacc ctccagaatc cacagataca gcaacaagaa tctcagagac aggcagccta 120

acagccttgg ttgctaggca cagaacacct ggcttgctcc aggggcccac ccctaactca 180

ggaggaggca acatgaccag ctcccatgga accagcnagn gnnnntcnnn annnnnnnnn 240

gnnnnnnnnn nntnnnnnnn tccctgaacc nggggccatc aattcaagag gtgggggnnn 300

ngntctatgt agntgtatca tcttaagggg ntcctgccgc ctctgacagc catatctctt 360

gttattgctg gctggacctc cctattggcc taggaggttt tgtttgctgt aggtcagatg 420

ggttggactg atctcttcag ctgcctaccc tacnnnnnnn nnnnctgccc tctgccacac 480

cctccccatg ccaatacttc ttggaccaag aataccntgg tttgtcacac aaaataactc 540

tgtggtcaac gggcagcttt 560

<210> 9034
<211> 580
<212> DNA
<213> Mus musculus

<400> 9034
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cagccgccct gctgccagct ccccgctgcc tcaccagtgt cctctctgcc tcagttcctt 120

tcctctccta attggccctc atagctaagc cctttcctac agctttctgt ttttttcttt 180

tctttctttt taggttttct ttcttttctt ttttattcct ttttatttaa tctttttttt 240

taaacactcc agattttatt cccttcccgg cccatcctcc gactgttaca caccccatac 300

ctcctccctg ccccttgtc tctacgagaa tgtcccccac cccccatccc cacctgcttt 360

ctggtttttg gtttttggtt ttttttttt tttttaaact ctgtgtttta cactcttctc 420

tgggatggat tctgtaatca ttggcacagg tcctgcccca tttatagatc ctggcccagc 480

ccctgccaca ggtgcctctc cagatttccc cttagatcct cggatggtca tcaccatctc 540

catgaataca ccagcccccc ctctgctaat gcaaaaggca 580

<210> 9035
<211> 411
<212> DNA
<213> Mus musculus

<220>
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<222> (211)..(211)
<223> n is a, c, g, or t

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gctccagttc acgatcacct ctgcctacta cacctacctt ctcctgctcc tcaagagtgt 120

gatctacttg gccatcatca gcttctctct gcttagaaga acatctgtct gtggcaatga 180

gaagaaatcc taaagaaacg agtggtggta nagcaagtca gctggatttc atcctcactg 240

ccataaaggt gccttaagga ggtccagctg ccttcacttg ttggctttca cttctataaa 300

gtccctcact catgttgcat aaacattttc tgaacttttg tgtgcaattt ctgcaacttc 360

tctctaactc acatcacctc attcctgatt ccatccactg cagaagtccc c 411

<210> 9036
<211> 70
<212> DNA
<213> Mus musculus

<400> 9036
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aatgagaaga 70

<210> 9037
<211> 535
<212> DNA
<213> Mus musculus

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<222> (106)..(106)
<223> n is a, c, g, or t

<220>
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<222> (109)..(109)
<223> n is a, c, g, or t

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<222> (205)..(206)
<223> n is a, c, g, or t

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<222> (216)..(217)
<223> n is a, c, g, or t

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<222> (260)..(260)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 9037
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gaaggtggat gctctcgacc atttccagaa atgcttcctg attctnaanc tggaccacgg 120

gagagtgcac agcgagaaga gcggccagca ggaaggaaag ggctggaagg ccatccgtgt 180

agatctggtc atgtgcccct atganngccg ggcctnngcc ctgcttggat ggaccggctc 240

cagacagttt gagagagacn tncggcgcta tgccacacac gagaggaaga tgatgctgga 300

caaccacgcc ctgtatgaca ggactaaggg gaagactgtc acgatttcac ctttggatgg 360

gaaagtgtca aaactacaga aagccttgag ggtgtttctt gaagcagaaa gtgaagaaga 420

gatctttgcc catctgggac tggactacat tgaaccatgg gaaagaaatg cctaagacgg 480

agttgttgac atttttcttt tcggtttaga caagctgtgc tctgtgttag taaaa 535

<210> 9038
<211> 455
<212> DNA
<213> Mus musculus

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<222> (123)..(123)
<223> n is a, c, g, or t

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<222> (247)..(247)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ggtaactggg atgacatatg tgtgcccacc cacgggatta gttttgcaag cagttgtttg 120

atncatgtgt atgccattag atactgtatg gcagttgttc tagttttcct ataagatagt 180

ttaaatcaga gttgatactt tgtagacatt taaaattttt ttctttcttt aagtatctat 240

gtaagcnaaa cccngaattn atttnttttg ggagatattt tgtggggttg tattttactt 300

natnatnatt gttatnattg tnattatttn acatatattg aatgatacat tttgttcaat 360

ggcttccacg antntacttt tcctctctga ggggaggttt agacaccagg atgcnatgta 420

ctatttgatt tgaggaccta tatttccatg ttaaa 455

<210> 9039
<211> 548
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (418)..(418)
<223> n is a, c, g, or t

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<222> (434)..(434)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tgaataacag tcttacctaa attattaggt aatgaattgt gaccatttgt taatatcata 120

atcagatttt ttaaaaaaaa taaaatgatt tatttgtatt ttagaggata caacagatca 180

gtatttttga ctgtggtgaa tttaaaaaaa aaatttacac aaagaaatat cccagtattc 240

catgtatctc agtcactaaa catacacaga gagattttta aaaaccagga gaagcattat 300

tttgaatgtt agctaantcc caagtaatac ttaatncaac cctctaggag ctcatttgtg 360

gctaataatc ttggaaatat ctttattata ctaaaccatt tcatgaggag aattttgntt 420

gtcagcttgc ttgnaaagtt attactgtat gaaatagttt tattgaaaaa attatatttt 480

tattcagtaa tttaattttg taaatnccaa atggagaaat gtnttcgctg ctatggtttt 540

agcctgta 548

<210> 9040
<211> 542
<212> DNA
<213> Mus musculus

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<222> (354)..(354)
<223> n is a, c, g, or t

<220>
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<222> (403)..(403)
<223> n is a, c, g, or t

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<222> (416)..(416)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (474)..(474)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tacaagtgac cgaatatgag gacaaagtat ttgtgacctg caataccagc gtcatgcatc 120

tagatggaac ggtggaagga tggtttgcaa agaataaaac actcaacttg ggcaaaggcg 180

ttctggaccc acgagggata tatctgtgta atgggacaga gcagctggca aaggtggtgt 240

cttctgtgca agtccattac cgaatgtgcc agaactgtgt ggagctagac tcgggcacca 300

tggctggtgt catcttcatt gacctcatcg caactctgct cctggctttg ggcngtctac 360

tgctttgcag gacatgagac cggaaggcct tctggggctg ctngaggttc aagcantgct 420

gaagaatgag cagctgtatc agcctnttcg agatcgtgaa gatacccagt acanccntct 480

tggagggaac tggccccgga acaagaaatn ttaagatgga ggtttctcaa agtgccatag 540

ca 542

<210> 9041
<211> 530
<212> DNA
<213> Mus musculus

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<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

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aagatgcagg ttcagtcagg gaatgatggg gaaaggggta ggaggtgggg gnagggatca 120

ccccctcctc taaaacacga gcctgctgtc tccnaaaggc ctctgcctgt agtgagggtg 180

gcagaagaag acaaggagcc agaactctga ctccaggatc taagtccgtg caggaagggg 240

atcctagaac catccggttg gacccagctt accaagggag agcctttatt cttctttccc 300

ttgcccctct gtgccagccc ctcttgctgt ccctgatccc ccagacagcg agagtcttgc 360

aacctgcctc ttccaagacc tcctaatctc aggggcaggc ggtggagtga gatccggcgt 420

gcacactttt tggaagatag ctttcccaag gatcctctcc cccactggca gctctgcctg 480

tcccatcacc atgtataata ccaccactgc tacagcatct caccgaggaa 530

<210> 9042
<211> 517
<212> DNA
<213> Mus musculus

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<222> (157)..(157)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

<400> 9042
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cgtgtgtcct gcagaagctt gggccactac ctggcaaaga tacacctcca cctgtgactg 120

tgccaacatc atcactaaat tggaaaaagc tggaccncag cctcctgttt ctggaagcac 180

ctgcgagtgg ggaggcatct ctgctcagtg aggggctccg agagtccctc agttcctaca 240

tcagcctggc tgaggacccc ttggatgatg cttanccctg gagcacaaag agaaagggaa 300

ccaagactgt ggcaccgaga gctccaactc cgctgaccct gacaaagctc caggaggcaa 360

ggctgggaga acagagacgg ctggggtggg gcacagacac tcggggcctc acctgggctt 420

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agtgcagttc aaagcagggc tggcctctac agagaat 517

<210> 9043
<211> 385
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<400> 9043
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cttaattatt taacatttat tgtttttctg gtaagaaatc caacattgtc atgcattcta 120

cggctgttgg cccattcatg tcctcttgat gtatatgctg cttgccagag gttagctttc 180

tgcatacttc agcccataat aatgaaatca gcagtactca catattttgg gcatagaatg 240

cacccataaa atgtgacaat gggcagcagg tgtgagcatg catccggtca cccctccctg 300

ccctccctaa cgcaccgacg tttgaaagtt cgtgtcantc ttaagtcctg aatggttctt 360

aaccacctga ctttcttact gtgaa 385

<210> 9044
<211> 450
<212> DNA
<213> Mus musculus

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tttctgccat gagggacacg aataataagt acgttctcac cctgaacaag ttcagcaagg 120

aaaacgaagg ctactatttc tgctcagtca tcagcaactc ggtgatgtac ttcagttctg 180

tcgtgccagt ccttcagaaa gtgaactcta ctactaccaa gccagtgctg cgaactccct 240

cacctgtgca ccctaccggg acatctcagc cccagagacc agaagattgt cggccccgtg 300

gctcagtgaa ggggaccgga ttggacttcg cctgtgatat ttacatctgg gcacccttgg 360

ccggaatctg cgtggccctt ctgctgtcct tgatcatcac tctcatctgc taccacagga 420

gccgaaagcg tgtttgcaaa tgtcccaggc 450

<210> 9045
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<212> DNA
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<223> n is a, c, g, or t

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cagactgtaa caccagagct agttccagtt tcggggtcca tgtcgctggt ggcctcagca 120

cccacttgat ataaatctcc tgtctgccca tcatatagaa gaagctgaag atcagaggtg 180

gaaacagcag gatctgtaga cccggagaga acccaagcta gaggaaccct cactgactgg 240

tgcagggatc tcac 254

<210> 9046
<211> 420
<212> DNA
<213> Mus musculus

<400> 9046
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gcctgcctgt gatcctgaca ctcaggaggc tggacccgga gagtaaagag ctgattgatc 120

atcgccacac tataagtgtg tgcatgttta tgtgtatgtc tcccagtggg ggccagatgg 180

aaggccatgt tctccctggg caggtgctct agggttggag gagaaagcag gctgactggt 240

ctatatacca ccatatctgc cttggttgtt gtgataccag atgtctcttg tttctttgta 300

ctttttttt aaagatttat ttactttatg tgtatgaatg ttttgcatgt aatgtctgta 360

catgctccgt tatagatgcc tgtgagccac caaatgagtg ctggctatcg accaatggtc 420

<210> 9047
<211> 406
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gaccggccca cgtttgacta ccttcggagt gttctggatg acttcttcac agccacagag 120

ggccagtacc agccccagcc ttgataggcc tttcggtccc aagatcctcc caaccactgt 180

gccctggcta gggnncagat ggaattcctg tgccatatct gtgtggcctg tgcacacatg 240

gactctgact ctgtacatga aacctgtgcg tgtgtcacac ataatgcagt ttctgtcttg 300

tacacacatc tgtagttatg tgggttctac acatgtgtct tatacctgtg gagcacgtga 360

gtctaagcct tggatacctc ctaagatgtc tcttcctata ccgttc 406

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<212> DNA

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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ctggaagaga aagggaggca gatcttaatg aaagatggtc tgctggatat aaacattgca 120

aatatgggca gtgaccctaa agacctggaa gagaaggtca ctcgaatgga ggggtcagtg 180

gacctcctgc aaacgcgatt tgccngtatc ttggctgaat atgagtcgat gcagcagaaa 240

ctcaagcaaa gattaaccaa ggtcgagaaa tttctgaaac cgcttattga aacagaattt 300

tcagctctgg aggaacccgg aggggaaagt gagctcacgg agtctctaca ggactgaaaa 360

gctggtcaac agccaaaccc atgcacggtg tgtgatcctt ttgagtgttt gaccagagac 420

agctgagaat tgggagaaag agtcgtctgg gaaatnncnc nncngtgaaa atgtgtgtgg 480

gtagatgaca caaatcgttt gtgtaatact gcaacaaaag tatcatcttc tcctgggatt 540

tttcacaatg gacaccgtgc gagggacctg aactgattaa cgtgtctgtg tcaggatct 599

<210> 9049
<211> 74

<212> DNA
<213> Mus musculus

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ctcaaagctg acag 74

<210> 9050
<211> 504
<212> DNA
<213> Mus musculus

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cacattgtga aaggcagaga ggcaggtaca agggagtcca ggtaaatgcc agccagaggt 120

ggctcaaaga agggaagcaa cacacaagga aggttcctag ccacagggga acagtaacaa 180

ggggcctctt tccatcaaga gtactttcca catctcccag cctttgtgcc aggcactcca 240

ggaacggtaa gatgtcttac cttcatgaag accatgcttt taagagtgca aataacttgt 300

gtacaaactg acacagaana taggatggnc cattaccncc aacgacaagg gancaagagn 360

aaaggganca antcctncct tnttccagga actcggttca tccctntcag gtggcaggaa 420

gacccagacc acccagntnt gcaacgttcc cagtgacaat cagtgnccgg caaggtcatt 480

gtgtcattaa agtgcctgta ccca 504

<210> 9051
<211> 62
<212> DNA
<213> Mus musculus

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ta 62

<210> 9052
<211> 141
<212> DNA

<213> Mus musculus

<400> 9052
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gcccagacag ctccaagcta cttttacata tatctgccgt ggatccagaa gactcagctg 120

tctatttttg tgccagcagc c 141

<210> 9053
<211> 242
<212> DNA
<213> Mus musculus

<400> 9053
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gcctgagggt ctctgctacc ttctggcaca atcctcgcaa ccacttccgc tgccaagtgc 120

agttccatgg gctttcagag gaggacaagt ggccagaggg ctcacccaaa cctgtcacac 180

agaacatcag tgcagaggcc tggggccgag cagactgtgg gattacctca gcatcctatc 240

aa 242

<210> 9054
<211> 362
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<222> (74)..(74)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (185)..(185)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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aataatagag gtcngccctc tcatgcaagg tcagtattta gccaatcacc ctccacactg 120

ctctgtaacc gctgctgtcc cctcactgtg cctcctctgt gtagctncct ccaaattcct 180

gtganctgct ctctctgggc cagcatttga tgcagagatg gtacaggacc atctggtttt 240

acatgggtgn cgcttagctg ttccgttgtg atctttaatt taaccttagc tctgacgtga 300

tatctctgct cctctctcca tctcttcccg atgcctctcc tttgcccttt gctctgcagg 360

ga 362

<210> 9055
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<212> DNA
<213> Mus musculus

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gcctgagggt ntntgctacc ttctgncaca ntcctcgaaa ccacttccnc tnccaagtgc 120

anttccatgg gctttcagag gaggacaagt ggccagaggg ctcacccaaa cctgtcacac 180

agaacatcag tgcagagncc tgggnccgag cagactgtgg aatcacnttn ancatccnat 240

catcaggggg ttctntctgc aaccntcctn ntatgagatc cnnactgngg gaagnccacc 300

cnnnntntgc tgtgctggtc agtggcctgg tgctgatgnc catggtcaag aaanaaaaat 360

tcctgagaca aacttttatg catcctga 388

<210> 9056
<211> 286
<212> DNA
<213> Mus musculus

<400> 9056
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ggaaactcag ccagtaatgt gaacgcagat aatctcaaca gaagcgggtt gagttttaga 120

gtcaaagaat ttaactccac ttgtgagatt tttcttacga atttgttaca gtgctgttga 180

ggggatttca agcctttcgt cctctaatca ggcccggagt aggttctgct gtcaagacct 240

ttagctcgtg acattttata tgcatttttt agtttgtcat gggcaa 286

<210> 9057
<211> 531
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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atggggatgc ccaccatctc tgtccccatt ggggatccac agtccaatcg gaacccccag 120

ctttctactt ctgtcctgaa gacacaggga ggacaaacaa cacctaccgc ccccccaccc 180

catctttcct gtcctctcaa acacctggag gaagaaactg aaggacctgg cttcccnagt 240

gactntcttc acnaaggaaa tccanccana ncccgatgan ntnggtnttg cacaaagaat 300

ngancctaga aaaaaaagnc cttcttaant ntccccaatg ntnanntnct ggcacgggag 360

gggaaggacc ctcataacct cgaaggtgac ancgaaaatc aaagaaacac aaaatcacac 420

ctagcagaga aatccaagaa gggttcccag aaacaccctn taaagcaact gttcccaacc 480

tntctaatnc cttgaccctt gaatacagtt tctcacactg cagtaacccc t 531

<210> 9058
<211> 287
<212> DNA
<213> Mus musculus

<400> 9058
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gaggggagca gtagagagag gtctgcttcc atggtgtaaa agacaagaag aaacttcaaa 120

gaactgtagt ggatagctat agaggataag ctgtgataac tcaaaagccc aagggatgtt 180

ttagtagctc tatcgtttgt ctgaacaatg ggcctttgta tattctctca agccacacta 240

tgcaaggcca ttggtaaacc taaaatgatt ctcatctgca ggtcaaa 287

<210> 9059
<211> 393
<212> DNA
<213> Mus musculus

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ttgcccccat aattggtata ctttgaaaat ggtgtttcat ccttcttcat ttacccagaa 120

ctaggaagtg gggaccactt cattatccag gaggaaataa tcttaagaga gagaacccgt 180

atctttttag ctaaacatgg aaagctgtac tcaactcatc cctagccaga gccccctcct 240

gcctctcctg aggcgagcat ggcccagctc ccccccactt tgtatttact ccaatagtca 300

cacaggagag ttttcctagc agcactatgg tgtgaacaat tttagcactt tctgtttctc 360

ctaatacttt acaaacaaac tcacacttgg ctt 393

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<211> 564
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtggcccagc aagctgggga gacncaggct ctagctataa agcacactta ctctaagtga 120

aaccgtccag ctgacaaaac tacatgccag gggtggaaat ggctcaccaa gggctccaga 180

gggggcttgg cagtgaggag cacgaagtgt tcctccagag gaccagagtt tgattcccag 240

cactgtcaaa tggatcgaaa ccagctgtaa ctctactttc agagggtctg acacctttga 300

cctcctctgg catctacnaa cacaggacnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnac 360

acacacacac gattnaaaat aataattttt tttaaaaaaa tggaatganc caccggcagg 420

tnccctggta ccagaaggac tgactnccnt gagagacacn atctacagac acacagactt 480

cctgnccttg gttctntntt ctctgtaagt tgtgacagtg ctgtgggaaa gctgaggctg 540

agactttctc tcagttgagc taaa 564

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<211> 459
<212> DNA
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<223> n is a, c, g, or t

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<222> (380)..(380)
<223> n is a, c, g, or t

<400> 9061
gacagtcaga gctggttgca cagagaaaca tcaaaaaaca aaaaaacaaa aaanaaaaca 60

aaaaacaaaa aacaaaacaa aacaaaacaa aacaacccca acaaccaacc aatcaagtaa 120

aaatccaaag ggttggagag atggctcagt ggttaattcc caaccagcgt tcaattcccn 180

acacctacnt ggcagctcna anctntcttc aactccagtt ccagnggatc tgatagtctc 240

acacngacat acaagcaggc naaacaccna tgcacatgaa ataaaaataa aatganaaag 300

aaaaatatgt natataattt accttccacc tatgttttna attacttgat aaatttatca 360

cattgaanaa atcattgctn atctttaaat gtgttttata atgtttagtt acaaatgtcc 420

ttcacttgct atttgtttta ccatttctca atattgtat 459

<210> 9062
<211> 434
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 9062
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taaaaataaa tccatgctct ttgcaacaat taaaaattaa gaacatagaa aattctacta 120

gtcagagata atcactatga ataactttct ctgtgttttt ggatatttta ctggacataa 180

ccatctatgt gtatcagcct ttttttttc tgatttaact taaaagtagg ggattgtgca 240

tattatttaa attctctttg tgtatcaaga gactatggct ttagttctac tacatttaac 300

tatattaacc tgtattcagc tttgtatttg atgattctgg gcagcaaaca caggntcttt 360

cagatgaaag acgagtgctc catcctgagc ttcatcccaa gtctgtctca aaattctgat 420

gtctgcattg tatc 434

<210> 9063
<211> 149
<212> DNA
<213> Mus musculus

<400> 9063
gggctacagc tgatttatat ctcatacgat gttgatagta acagcgaagg agacatccct 60

aaaggataca gggtctcacg gaagaagcgg gagcatttct ccctgattct ggattctgct 120

aaaacaaacc agacatctgt gtacttctg 149

<210> 9064
<211> 216
<212> DNA
<213> Mus musculus

<400> 9064
ggtgctgtgc tcagtgtacg tcttgtcaca gctgacactg ttgctgctgt catctggcct 60

acccagtcac ccaaaggttt gtgggaactt ggtaccataa ttactaaaaa ttgctgtaga 120

aaaggtgttc tgggaaatta aagatgatag ctcagcagcg ggttgatctg aaaccttggt 180

gttctgcttc aggaacttaa ccttaataat gtcact 216

<210> 9065
<211> 258
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

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ggggtggggg ggcttaatct gtgaaaatac cttggcagtt gaaggaagga gaatgntctt 120

aggtttgtgc tggntctctg gtgctcttca ctgttncctg tcacttttt tctcttttg 180

taataccgat aacatcaatg taacacttga gatctttctg aactcctgtt gtaatggcta 240

aaatcacata aacctttg 258

<210> 9066
<211> 451
<212> DNA
<213> Mus musculus

<400> 9066
actcctggct tactctgatt tttaaaagca ggttctgact agtttctttt ggttttgctt 60

tagtttgatg tccacttttc aaagatgctt cctaaaaaac aagaagggcc agagaattgg 120

taaagttggt tgaatgtttg catttcatgc aaaaagtctt ggcttcagtt ttcagcatta 180

tataaactgt tcatagtggc acattcccat aattcctgca cttgggaagt tgtggcagaa 240

agatcagaag tttgaggtca tcctcaattg tatagcaagt ttcagtttta gcccaggctg 300

agctatctaa aacccttttct caaacaagca aaaaacacta cctcttttct catactaaac 360

cttataagta aatatgtaat atgtaattga tctctgcatt attttcaggt atattgaaag 420

acctctgagt tttcacacag catctagtat a 451

<210> 9067
<211> 478
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(352)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<400> 9067
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tactaaagca aggaacccat aaaacctctc tgtggtggac atggttcctt gccacattct 120

agaaactctt tttgagccaa acttaaccct gagccttgaa aaacaagttt tnttgtttgt 180

ttgttttaac ttttttttt tcattctcgc tgtagatagc ctgaatccaa agaaaaccaa 240

aaggggntta tccaagtnat tccacacaaa aacaaaacaa aaaacccttn anntgttcct 300

actttagtca ctcatttctc aatccaaaga tcatgtttcn aacgtagtgt tnaanntctt 360

gagaaantcn gnccaagtgt ggtagtgtgc acctataacc ccagcacttg cgagatagag 420

gcaggggac ctctgtgaat tccaagacaa ccagggctgt atagaagacc ttttctca 478

<210> 9068
<211> 485
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<400> 9068
ggtttttaaa actggtgcat tcacagcaaa aagggattct gtagctttaa cttgtaaacc 60

acatcttttt tgcacttttt tttataaagc aaaaacgtgc cgtttaaacc actggatcta 120

tctaaatgcc gatttgagtt cgcgacacaa tgtactgcgt tttcattctt gtatttgact 180

atttaatcct ttctacttgt cgctaaatat aattgtttca gtcctatggc atggtgatag 240

catatgtgtt caggtttata gctgttgtgt ttaaagattg anaaaangtg gaaaacatct 300

ttgtacattt aagtctgtat tataataagc naaaaagatt gtgtgtatgt atgtttaata 360

taacatgaca ggcacgagga cncctncctt ttaagaggca gttccgttaa gggtttttgt 420

tttaaaactc tttttttnc ctttcttttt ttatttcttt ttttttaacc atccatcctg 480

tgcaa 485

<210> 9069
<211> 355
<212> DNA
<213> Mus musculus

<400> 9069
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caaggtcctt gattgtcaca gtattttcaa taaatgagct attatgaact gcctggtgat 120

attttcagca agagcaacta aaatgtgtat ggcctgtgct atatagccat ggaggagatg 180

ggactgtgct aaagccagcc agaaatgtgg atggcagtgt gggaacccag cagctccata 240

gccatcaaaa aacggtcata gaaagaagtc tctcaagggc ctattcttgg attcagtgtt 300

ccctcagaag caatccttta aatgtaaata gtgaatactt gcatgtcttt ggaca 355

<210> 9070
<211> 134
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<400> 9070
acaaacaact ttgccttttc ggcagtctta agctccactg natattattt atagtttgag 60

ttcttagatc agagcgtcca ttcctttatc cagggtggat gttgagctac aggatccagc 120

tgtgagcaga tgga 134

<210> 9071
<211> 308
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<400> 9071
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aaattcaact acatggtaag atggaccaga aattgcaatg ttcatgtcca tatagccacc 120

attaacccaa gttaagcaca gtagtgtggg ttctctcagg acttgtgaat gagtttatgc 180

tctctacaaa gacaggtgaa gcttaaatct ctcttgcact gctatgttta tgcaaatatc 240

aagattgttt ctgtaccagg gacttnacac nttctattcn tactatttc cctgtctaca 300

atgttatt 308

<210> 9072
<211> 44
<212> DNA
<213> Mus musculus

<400> 9072
acaaatcctg ggttattcat attccttggg attttgactt ttgg 44

<210> 9073
<211> 266
<212> DNA
<213> Mus musculus

<400> 9073
tgggcttggg aaaatctggg attctttgac ctcagaggat gctggcagca agtggatcat 60

aagtatacta tgcagagaga atattctaag gcaactttga attcttgata aaccaggatg 120

cagccatggt tcacattctt gggccatctg tcctactgtt gcatagaatt catattcttt 180

tttttgcttt gtttgaataa aaatgttctt gtcattgcag catcatctag agaagcgcat 240

caatccccac ctgactcctg tgtgtc 266

<210> 9074
<211> 246
<212> DNA
<213> Mus musculus

<400> 9074
ggattgatgc gcttctctag atgatgctgc aatgacaaga acatttttat tcaaacaaag 60

caaaaaaaag aatatgaatt ctatgcaaca gtaggacaga tggcccaaga atgtgaacca 120

tggctgcatc ctggtttatc aagaattcaa agttgcctta gaatattctc tctgcatagt 180

atacttatga tccacttgct gccagcatcc tctgaggtca aagaatccca gattttccca 240

agccca 246

<210> 9075
<211> 291
<212> DNA
<213> Mus musculus

<400> 9075
gaggagactg gattactcga agcaaaatgt gaaccctgaa gcgaacacag ccttccacct 60

ggccctcccc gtccgaggtt tgattccgtg attttggtgc tttctgtgtc tgccctgcat 120

agccaaggca cattgatctc tgcggtttgc ttttgtactg gcaaggcgga atattttat 180

taccttttct attacgtatc gtatgagctt ttgttgtttg cctagagggt ttgtctctta 240

cagcaagttt ggagctattt attattgctt ggtatttgtg ctctgctttt a 291

<210> 9076
<211> 537
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (45)..(54)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

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<222> (62)..(62)
<223> n is a, c, g, or t

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<222> (66)..(67)
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<223> n is a, c, g, or t

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<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (90)..(91)
<223> n is a, c, g, or t

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<222> (98)..(100)
<223> n is a, c, g, or t

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<222> (105)..(105)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (150)..(150)
<223> n is a, c, g, or t

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<222> (154)..(154)
<223> n is a, c, g, or t

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<222> (196)..(196)
<223> n is a, c, g, or t

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<222> (204)..(204)
<223> n is a, c, g, or t

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<222> (260)..(261)
<223> n is a, c, g, or t

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<222> (284)..(284)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (309)..(309)
<223> n is a, c, g, or t

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<222> (313)..(313)
<223> n is a, c, g, or t

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<222> (328)..(328)
<223> n is a, c, g, or t

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<222> (345)..(345)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

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<222> (350)..(350)
<223> n is a, c, g, or t

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<222> (395)..(395)
<223> n is a, c, g, or t

<220>
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<222> (397)..(397)
<223> n is a, c, g, or t

<220>
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<222> (401)..(401)
<223> n is a, c, g, or t

<220>
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<222> (438)..(438)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

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<222> (461)..(461)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

<400> 9076
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cnatgnnccn ttgcnatacg ttccntgctn nccagttnnn ttccntgtnt gagttcntgn 120

ccccnccttc cttcagtgat gagcagtgan acanaagtgt aagccaaaca aacccttccc 180

tcccagctcg ttcttnagtc acgntgtttc gttgcagcaa tagaaaccct gagtaagtgc 240

ccaccccgcc ccccagtttn naccatcttg ntctgactcc cttnatatga ncctatnccc 300

cttcnttcna ganagcttca cttctcantt tgatggtttc aggtntncgn tagaggaaga 360

aatgaatgac agttccgaga ccttctatag aaagntntgg nccaaggaag ggagacttgt 420

agtggtatca tttgagtntg aggccaggaa acaacttant nttctgcatn tccgaaatta 480

cataggttac agagcttcat tgtatccctt tatgtgacta taacttatga tgctgta 537

<210> 9077
<211> 558
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<400> 9077
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attatgaaca tgacaaactt gtaaaagtct tcaagtctta gaagcaagta tttttgctga 120

gagaaactct gaaaatatga caatgaagaa aattacttat tctcaaatat ttcatgatgg 180

agacaaagtg agaaagccag aagatgtggt attgtgtaac agtgctttga aaccaaaata 240

attcaatgga aaaggaaagt gattattgca gctaatatac ctctcaaaaa taatactgaa 300

actaatagca ttctgtatgt ttaactcaaa tgaagaaact cagacaaatt atacttctta 360

aaagaggata gataggacca actgagccac cnacataata tggtctttat cctgttgata 420

tacctacaga tatgcagttt tctcccagtg tctagtattc atgatctgta tcatattctg 480

gtttcaaatt tctgcatagc taactgtctt tgtgtccctt gtgctgttgt caacaacttc 540

ttgctcatat tcctgtat 558

<210> 9078
<211> 566
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

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<222> (334)..(335)
<223> n is a, c, g, or t

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<222> (337)..(337)
<223> n is a, c, g, or t

<220>
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<222> (341)..(341)
<223> n is a, c, g, or t

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<222> (353)..(353)
<223> n is a, c, g, or t

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<222> (359)..(359)
<223> n is a, c, g, or t

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<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (525)..(525)
<223> n is a, c, g, or t

<400> 9078
gttgcgaact cactaacagg tttatttctt tttctttttc tttctttctt tttttatttt 60

ttatcttttc ttttcttttc ttttttaatt aggtactttg ttcattcaca tctccagtgc 120

tatcccaaaa gtcccccaca ccctcccccc cagggttact ttctgagctc tgtgttcctt 180

gttaaacaaa tatatgcttc aatttcattc agagatagct gtttaaccgt atttcacgtg 240

gtatgtggtg gaggtcaggg aggtctcttt ccaccatgtg ggccctgggg caggcttgat 300

gctggttacc tttaccttnt cantnatcnt gctnnangtg nctttaagg ctnattttna 360

cagatnctga taatttgatt ntctgagttg tcatnaacca gacataaata agtagccaat 420

tcattttctg tatatgactt ntctagattt atattgttga gttgtttgaa tatgcttaaa 480

ccctaatatc actgtcaata tatccatcag tagaaaacca agttntccct ttcatttttt 540

atattttgct gatatgacag gcttgt 566

<210> 9079
<211> 432
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<400> 9079
aagagagcgc gcacttggta acaaagtgtc attactcggt tttcttttct aacactgcac 60

ttcaaaaaca tcttgggcca tttcactttt ttcctgtggt acttaagagc tatacctgta 120

taccttaaaa aaaggatggc tcataattaa agcagcagta ggaaaggatg tttgatgttt 180

gctgaaactt agcgtataga gtgggagtaa gtcccaacat gaaagggact taccgttagg 240

catatgtgat gtggaaaatc acagagtcgt acactcagat ctattcagtt gtgtaatcac 300

cgtctgtctg aattcacttg ctttttttgg aggcggggtg gggagaatta ctggagatca 360

nccccaggac ctcacacatg attgacagat gcgctactac tgaattatat tctcagcacc 420

tgaagtttca aa 432

<210> 9080
<211> 247
<212> DNA
<213> Mus musculus

<400> 9080
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tttctatttt attacagttt tttatagcgg tacatggtat cactttaggc agtttgccaa 120

aattgagatg agagagaacc caacatggtg ttacacaagt gtaatcccag tgtggctgac 180

atgcaggagg gcctgcgttc agggccagcc tgggctactc gtgcaacaaa agccgacgca 240

gagggaa 247

<210> 9081
<211> 528
<212> DNA
<213> Mus musculus

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<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (295)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(307)
<223> n is a, c, g, or t

<220>
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<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
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acgatgcagg ttggacccag atttctcgag agcaggtgcc caggttgggc agtgatgtag 120

cctgtagcct ggcttacact gattatcacn aggcagccat gggcctgggg gcccnaggga 180

ttgatactct cacgggacaa taaggatcaa gtggtcaagg tacttcgtga aggccagcag 240

ctgtgccagg atggtcatgc agttgtggtc aacatcctga ttgggaggac agnannnncc 300

nanganggc tccatnttct gtatagggac tatccagggt nagtgtgctt ncctctttgg 360

accaggactt nntctacctg gagttttcat ccttncctnn tcctgagctt ntnctcataa 420

ggtctaaccc tctaagtggg gaatgtgggg gtggggaacc aaagctcaaa gaggcacctt 480

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gatgacctta cagacagcag aaaggacagg aaagatagtg ggagacagta gttttcctca 180

caaattctta cattccagcc aagacaaagg atgtgtgaag tctgagttgg tactgttcct 240

gcagaatggt aggagcaggt gggatctcct gatacaatct ggaacaaagt ttggcctgtc 300

acatgaggtt ttgtttacca ggctntcttg aaatntctgg gcagatgggt nntctnccaa 360

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gttgggaatt ctagggagtt aagccccagc ttctgtntcc cnnnnnctgg tctcactttt 180

cacactgact ggggctcccn gtcaccctcc tcttanttgg gcgggaggng gaatcaccct 240

acttccagag aagtgtccgg tccggtacag cttccggtac agcttcaact aggttnaact 300

gtgcagctga actcttaatn tctcacaagg ncctgctttc aggtctggct agngagttnt 360

catggctgag gttttttaaa gcgggtctgn ctcagaacta aactaaccag tattgtattg 420

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<212> DNA
<213> Mus musculus

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tttccttgaa accgttacag taagttttaa atggtgggtc tataaaatct gctctgtcac 120

agcaacctgt aaagtcggag ttttagtaaa ttttttttctg ccttgggtgt tgaattttta 180

ttttgaaaac aaaatgtata gaaacttgta tttggggttt aaaggggggat tgctgcaatg 240

tgtagaaaaa gtatgtagag aaagtgctta atattgttac tgctttgcag aagaagaaaa 300

aaaaaatcac acttctgacc tgtgcgtatt tttctctccc acctccctct ggaatggatc 360

tattggtcgg ttcatatgat gtaggctctc gctgtatttt taactgg 407

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<212> DNA
<213> Mus musculus

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ggatagactc cctcttgctc tctaaactcc attttaagtt gcttgtcctc agagtgacat 180

ggccttcacc cttggcatct agaaaagtga ccacaaagta ttatcaggag ttgaaaatag 240

acataaaacc tttggctagc tcataataac aagatagatt ggtcacaata acaggatgat 300

ttcagaaaac ctgagtcatt cccagntcaa gancccctna gatgtacact ctctccttgt 360

ggtttgaaca gatgatttnc accaatcagt ttaaaggtca atatttcttt actcatttac 420

ccaatcatgt aacaccaagg cttgaaagct cctgcttgca atttttncc tatataaatc 480

ctaaactcct agacctttct taatctgttg catcaggaag gtttgtgttc cgagtccaaa 540

t 541

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acggggtgac ctcatccgca ttctgagcaa ggagtacaac atgtacggct ggtgggtagg 180

agagctgaac agcgtcattg gaattgttcc aaaggactat ctcaccaccg cctttgaaat 240

ggaaggaata tgaagcccag ggaacatatt ctcagaccat cagaaactcc cntcccctac 300

tntggccatg gatccttctc ttccctgaat ggagccaaga ntntgctgct tcctgtgact 360

ttaagccact gataagatga gtaggaagaa gacagttcat cagacctgtt tctcaagcan 420

ccagcttcta gcttcctncc ctctctgtnt ccccacatcc ataanccttt cctacaancc 480

tgctacaaag aagacagcaa cgaaggaaat catgggagga agaggttact gatgggttgt 540

ggcttgcaa 549

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ttttttcagaa cttgacatat taagctgggc gtggtggcac acactgtagt ctcggtttct 120

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gctagcggaa acacgcttca gcgcagattc atcgcgttat ttttagataa ggaattagaa 120

gtattattta agggcagagg ttaatagcaa agtactggaa gtgttatgtt agtcatgggc 180

aattaataaa aataaggatc tgtctgggaa gtgccgaaga cacagaagtg acaatatagn 240

caaaatgttt gttgaatgan tcnngnttct ctttctgaaa tatttgttaa acccncacga 300

gtntgatnat ttaggaatta gcnntcatta ttanccnttt tnaaagaact aatgattttc 360

ttttccaaag nacatctgtg atccacatgt ttttcccttc catccaagca ccaagtgatc 420

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ttgttggcct tgcgagtgct tcaaagtaag aacaagagac tgcaggatcg gtggcagcag 120

atgctgtcct gtttgcacta cagctttcnc cgcggtggct ttccnanatn tnagntacan 180

agcttaaatt tgaaganatc accagtntnn tcaacnagag aaagtacccn angangnnac 240

aacaatatga aataaccagt acccccccaga actgtntctn nanttgcata tntancagag 300

gatgncctan ttnnctatca atgagaggag agncccttgn tcctncgaag atcatatncc 360

ccagtacagg ggaatgccag gnccaagaag cattagtgga tgggttg 407

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ctattgagag ctgagattac aagtgtgcac caacacgcct tgatatattg tttctgattt 120

aaaatagttt cttcattttt tttgctttct tatttttaac aactaattgt acaggctatc 180

atctacattt ttactctcta cctacttatg tctttaaatt tnnagtntct tttgatacac 240

atantatatg ctttnatatt tttcttccat catnttaagt gtgnntnnat cattntnntg 300

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tttcatgttt tntatttttc attgctctct acatttt 397

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<223> n is a, c, g, or t

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ctacagtttg gatgaggatg ctgtttttg atgggcacta ctacccatgg gtagttaagc 120

ttgagaataa atcacacaag aggtaagacc ttgagtactg gaaaggtttt gttttgaggg 180

aatgtgctat tttggcatct gaggtcaagg agaataattt atgngtggca tttgatgttg 240

gcttcgtgtg tctgaactcc atgttgtgcg aattgaggtg agcccacaat agatngacgg 300

cnnnttnnat cggagacttg ttatggatga gtgaaanccc tncctttcat tatgcagcaa 360

cttggcaggg tccaggcaga gta 383

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<212> DNA
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gtcctgggta aggaggcggc agaatggcga gcctggtggc tgagccagga aagctaaggt 120

gagattgagg ccacagctgg gattgatcac ccctgaaata ggggggttct cagtttgttc 180

ctgttgagac ttggccagtc taggtctgcc gagtccaggg ctctgccggg ccaggctgtc 240

tctcagcttt tatatcttca ctgtcctggt ctcacaacaa atgccaacta catttacact 300

ctttatgctc ttgcttattt actgtcgccc ctaaaagtag tcatttacca ctcagaaagt 360

cgccctggcc ctgaaacaat aaagacaacg agaactgaac gcacaggacc tggaggtcag 420

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<223> n is a, c, g, or t

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cctcagtgca agaaccaggc ccacccaccc acacaataaa caaatgtaac tttcaaattt 120

tctcttaagg aagagaacac agtcagaaga tctgggtttg atgttatttt tatggctact 180

tggccaattc agacctttac agatcatgtg atcagatgtc ttaagtggat agccttataa 240

tggccggaat tccggtttca ganctnacca cagagtagan ttcgntttgg ancctacaat 300

atttagtgtg agaatgagta catttcaaan tcatttcttc cntctttgtg cactngacgt 360

ttttgttttc cttcatgtgt acggaattgg tgttcttgaa actcacaacc attatttata 420

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<210> 9094
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gacgcttacg tacgtacata cgcttacgta cggacgctta cgtacgtaca gacgcttacg 120

tacgggcact ttcatacagt tcgttggcgc ctgaatggga cagatatccc cgctagccca 180

agctaaaaga gagtgctgga ggtgaagttc ttgtgataac tccatcctac gtacttatct 240

gatgggaggt catgccgtta tggagtantc atagccgatg gtacctgncc tgggcntgat 300

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tatgaagaat taagttgacc actctgatat aattggaagg taatatgtta ctaatgtatg 120

tataatttgg aaaaatattg tttacttttc agttgctata ataagatacc atgaccaaga 180

aaacttatta agaaagttta tttggagctc acagtttcag agggttagag tccannacca 240

tcatngcagg gagcatggca gnaggcaggc aggcagacag gcagcaggca ggcagcaggc 300

aggcatggct ttggagtagt agctatctgg gaatggtttt ggaaaactca gtncctnccc 360

gcagtgacac cttctccagc aaggccacag cttctaatcc ttccaaacag ttccaccaat 420

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atacccactg ggtagacagc tgtggcctgt agtggcggga aagaagagac taacaatgtt 180

ctctcaggct tctcctggca agatggcttc tcttttcagc ccccagccta cagataaatc 240

ccaggtgtcc attgctacag tggtaacttg actgtgtccc aagcagacaa ctggccctga 300

tggtgaactg gagaagttag ctgcggggtc gctcatctca cgctgatggg cactgtaggg 360

caaaggaatc tcacccgttc tctcttcccn gaggagctgg taagagttct gtccaaggtn 420

ccccacnctg cttccgtttc tgtgttttnt cttttccttc ctccaattaa gttgggacat 480

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tgttggtatg tgcagacatg tgggctgtat tctgttatca agactatgtt ctttgagtcc 180

taaccaaaac acaccgaaga atgatgaaac aagccataac aggtttcatt ttgaaagagt 240

ctgtgaaatg caagcataca tgtgcatcca accatatatg tgctattgaa agaaagatga 300

agtcagcaat tnccctctga ttnacnaagn atgtctgaga atccnaacag gtcacgagtt 360

aatgtatatc taggntcccc tnnagaggct ttcannccaa tttnttnctn gtnctgggag 420

atgtntntat nttgaggagt ggataagagt gtgtgtgata tcatgtatga ggtncatgta 480

tgtgcacaca gacacgagaa tgcattcaga gagagtatga acacntccac cagaccagga 540

gagctatttt tgggaancaa agcaccagtt gttgacctga at 582

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aagg 124

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caacctggtt atcgccctgc acagttatga gccctcccat gatggagact tgggctttga 120

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gcacacacaa acacactaat atttaggcct atttaatgtt tagtgcaact tctctgcttt 120

aactctatag gtgctgacgg gttggctaag atggcaaggt ttacaagtcc agggtcatct 180

atgagtctgt gcatcccaga agccctgcca tgcagagcat tgtttagcct cgtctttctg 240

gaactaaggc ctggtctgat gtctgcagct ccctggtacc gtgganctgt ntctgctctg 300

atagcntggg tagcatgcnt tctcacttac actgcatgga cctnataaat gaaactgacc 360

ctcacctngg ttanctttcc ttctttttct ccccntctta cagaagtaag gatncacttt 420

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ttgttcccct tcagagagga aat 503

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<211> 241
<212> DNA
<213> Mus musculus

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cgaacaatgg aggcatcggt actgagcccc acatcctggg agaaacgaag ggcctggtta 120

cgacagagtc gtaactggca aacccaggtc ctggaagagg aagcagcagc agctcttcag 180

gatgcactgg atcccgagcc ttctagcctg gatgatgttt tccaggaagg gaatccaatc 240

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<210> 9102
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gtatgtacac atactatata atgcaatcaa tgtgtttttn tagtatagtt gtttttaaat 180

tgacttttgg cttcttccct ctctcatcat ataatgaaga gtaaaatacc aacccaccat 240

tccanattna gntacngatn ccangtctnc atnactgata ctcaggtcct aaggacttag 300

aaactcttta gtcatcaaac agctttctct gagatatatt ntctcatacn aacatcacaa 360

gagaacatat atttgggaaa aaactttcag aaaggattga agcattactt ttttttttg 420

tttgtttttt gttttttgt ttttcgaga cagggtttct ctgtatancc ccagctgtcc 480

tggaaccact ttgtagacca ggctggcctc gaaaagcact actttcttga ttttgct 537

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cccgctcttc tgaattcttt catcaacccc tttgaactaa cctctacttt tgcttnatca 120

aatttcaagc attaaaatga ggttgaatca ttttctagct gagaagaatt tgtcccaggt 180

tgtggctttc ctttgcttaa gtgttctgtg atgtttgctc atggcagtac agtaccagat 240

actgcttttg gcagatgtct ccacagacat tatttggact agttatttgg gtcttnntcc 300

ttgcaactaa actcttnacc tttgcaactn aaccagaaaa cactaataat aataatattc 360

ataataataa tnatattcat atctctaagg aagtctgatt ggtatatctt ggtgaaagnc 420

tgggaagggc tntcggaatt cataagagtt agaatccttc cagcttccca agantcctnc 480

cctcctaatc aaggttgaag tgtccctcag ttattgtcaa g 521

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tttagcccaa ggattgattt gtttgattga ttgattgatt atatgagtac actatagctg 120

tcttcagatg caccagaaga gggcctcagc tctcattaca gatggttgtg agccaccatg 180

tggttgttga gatttgaact catgacctct ggaagagcag tcagtactct taactgctga 240

gccatctctc cagccccttc atatctttga aacaaataaa taaanntncn ntnncncnnn 300

tttcanttac ccacattnaa ctttnttttg naaatatgaa atgnaaaatt tcagnatcaa 360

actattgntc agtttnagat ttcanaacat tctgagtcat ntgatgaacc atctagaatg 420

tgagtcactc ctttgtataa tgcatttgtt tacactgtac atttcntccc cattagtcac 480

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catttancca ataatgcccc agtatgtaag agta 574

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tttcataaac caagtcagac gcatttgcac agtgatttaa tgccggccat cacagccata 120

acttaaacat ttatctattt gtaacaatag gagcataaaa ngacagggac atttntttga 180

tataatgtgt tcgctttnaa aaaaataaaa tatgcaagac actgtgcaag gtttataccg 240

agatttntgc ataatgaagg tctggaatta atttnaagta taaaatttta aacatttgna 300

gatntctcat tngacgtgga agtcccactt ctaggaatgt natatagaaa ttaaatatat 360

gttnatatat tgcagatntc aatgaggtgg gaaaagtagn tgatgntcaa ttggatcatg 420

ggacatccat cttagtttgc atcaaaagaa cttggagatc tgtgtntctn tctgacntct 480

ntctntcttg gcttncagta tgtccatgga gtgtttttaa gactaaaaag atgtaataaa 540

caacagcaca tataatgatc ctttttctat 570

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<212> DNA
<213> Mus musculus

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gaacagccag aagcc 75

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cacatatttt ccccttccc 79

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atgtaagtcc tagtaactga agcagtcttt tagaccggga aacaggacca ggggagcgaa 120

ggtccttcca atttaaacac tctcaaaagg ctgtgtaatt gctttctgat aggagaggac 180

tctggcggtg gaaagactat tgttaccaca gatcatttgt ctcttaagat gtagcctctg 240

aagaaagngt gactgtctac cgtaggctgc tgggtgcttg ggggaaagnc ttaggtaagc 300

tcagagcgga cagaagatcg ttttcggccc tacactccca agccagggag agaggctggg 360

gaatggtagg agcagatttg tgtaaagggg gctggcactg tgtagataga ggttcagcct 420

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gacaaaaaca agcttaaatg ttttatcata tagagctcaa agagagaacc atgatatgga 180

atttaaattg tctatttggt ttcttaaaac ccacaagtgt ggttttcttg ttgtttaaga 240

catatttatt taatatgcat ttttatgtag cttgtttttg ctatcaacaa ttggcnattn 300

agaaataatt ttgtacttcn attattcagt agaatcctat ttttgaaagt ctanactctc 360

actgaatgtt caccttnatt tccaancant tttctttcca tttttccagg ttnatcntca 420

tttntgctna actcaataag gaaaatgaat tacatctgac agtgacttaa aatgnccaag 480

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<223> n is a, c, g, or t

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actctttttt tttctctcca ttggttagca gcctcatttg gagntnagtc cntngnngnn 180

nnntntaaag ancctttna tctttnatga atggaaaatg gctcattatg tggattaaat 240

gtttccntta tacatnnagt gtgcttctgt ttngttttta caancaacaa gaatgaatna 300

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ntctcattgg agattggaga tatgattgct actgatgttc agt 403

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agctcattcc agtataaaga gcaaacctat aaggccactc ctgtaaccat gaccccagag 120

atagagagag tgaagaggaa ccaggaacag ctgagtgcgg tttattataa aggtcaactg 180

ggaagggcta cagctttgag tgtaactcct gaaatggaaa gagtaaagaa gaatcaagaa 240

aatatcagct cggtganata cactcaggac cataaacaaa tgaaaggtag accgtgtctn 300

atnttagata caccggcttt gagacatntt aaagaagcac aaaatnatgt ttccntggta 360

ggatgcancg gatcactgtc tccatgacta aaacntacta aggaacggca agacctgtat 420

ttggatggca ttcactcact acttatctga 450

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<223> n is a, c, g, or t

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gtgtcatatc ggcggtggtc ccattgttca aagagacatt gcccaaagag acctggtcca 120

tcccttagct cctttaagtg ggtgctgtga ttcccatctg aatatcaggc tgtggaatat 180

ttggtgacag taaaaagttt ctgaaagcac cgactcagga tcaaatgtgt aataaactcg 240

aggcctttct ggctgagctt ccgtgagctg ctcaggtccc ccgtcactgt agactcggtt 300

tgaacacaag cntgcgtcac gctgcgagac accaaggaca nctgccagan tcccctccac 360

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<212> DNA
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<223> n is a, c, g, or t

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cccctccaag tgctgggtct atccaggtcc agttatgggg ctggagagat ggctcagtga 120

ttaagagcac tggccattct tcctgaggac ctgggttcag ttcccagcac ccacttagtg 180

gctcacaacc atctgtaact ccagtcccta gggagccaac acactcttnt ggcctctggg 240

tagaccaggc acatacttgc tacacagata tacaatcaga gaagacatcc atacacataa 300

aataatttta aataaataaa tagaccttaa aagtntttgt ttgtttgttt tctaaaaatc 360

agctatggga ttagagagat ggctcagtgg ttaagagcac tggctgctct tgcagaggac 420

gtaggttcag ttcccaacac ttacctgaca ncccacagct acctgtaact ctagttccag 480

gggnnntgat gccctcttct ggtctccaca gaccccagtc acttaaatgt tatatctgca 540

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<223> n is a, c, g, or t

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gcaggcaggc agacaggcag acaggtaaaa cactcataca cataaaatat aataaggttt 180

aagaaaaaga aactggttcc taactgcagc tatgattccc atttttaaca atgacatcct 240

gtgcctacgg tntgacagat ctcancacgc ttacttcagt gtgcaccgtt ttcagcccgg 300

gntntaaggc gccgagaaaa gcatggaaca gacacaatnt gtacttntga aagagacatc 360

cntcaattaa gctgagttga attgcttgta ggacctttgg aaataaggat gataccccag 420

ttgtgaagag ca 432

<210> 9115
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<212> DNA
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<222> (120)..(120)
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<222> (122)..(122)
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<222> (129)..(129)
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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nctgttgcaa ctagaattcc cttgaaagac cacccgattc cntctccttt gtattaaagn 120

cntgataanc cgggnccacc ttcagaacgt ggatcagtga tgtgncctca ccacagcggg 180

gatgtatctg caaa 194

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<212> DNA
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nttaagtgtg aggcttcaga actgtgacct gatacattca caaa 104

<210> 9117
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<212> DNA
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<223> n is a, c, g, or t

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ttgctggcat tttagtg 77

<210> 9118
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<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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actgccgcta ccagcacaac cagatgtagt gcgagtgtgg ctgcattgga aatattattc 120

cgcagnataa actctctcct cctcctcttc cctccccccc tccagctaat gtggcacaga 180

agctgatgta tcctgtaaat cttgaatgta gcgctagatt gataacaggc gattagacag 240

ttnaaccacn aacagcttnt tcatttttca caaatgaaaa ccacatgtgg tggaactaaa 300

atttcaaccc ctttttttg taagggttgg ggtatgtgta tgtgtggaag atgtccttaa 360

ataacaataa aatganncaa tccaaagaag ttaagtgttt agaaaaatgg agacattncc 420

tagtttccct ccagatttat caaaacctca tcatattccc tttta 465

<210> 9119
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<223> n is a, c, g, or t

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agatgttggt gaagtgaaac tccagtgttt ctctgcccct atttctgctg ggttganaag 120

atttctgctt tgacaacagt ctgttctcaa ctggtcaatc tgtcggtttt gttgttgctt 180

ttagtatcta aacaactttt ccaaacttaa gtttataagt tttcacattt gggtcgcaaa 240

atacagaatt tctcataaaa cagctcactt tgtgtctgtg tgtacatgta tgtgtgtgtg 300

cacaccgcgc acacatggtg tatgcatatg tgtgtgtgtn ngtgtgtgtg tgtgtatgtg 360

tgtgtgaaag ccagtggttg atgtcagatg tcttctttga caactttcta tcttactttt 420

tgactcagga ttctcactga atgtggagct catcaatttg actagagtgg ctggccagca 480

agtcccagct ttcacaatgg gtgctgggca atcggaactc acgt 524

<210> 9120
<211> 507
<212> DNA
<213> Mus musculus

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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gtttaataaa gaaataaaat cctccccaga gtcaagagac ttcataagga atcctaggtt 120

taaaatgtgt ttcagagtca tatatgctca acatatggag agagaagaag ccttaagaat 180

aaaaggagaa tttaaatacc caagcataaa acaaatggtc tacacttaaa ttagacagca 240

agccacagca aaggcttgtg agctgtcctt ctnntcccct cccnaaagga acccaccttc 300

cnacagcacg gggtcacagg tgctttaaga cctggaactt tctccctcta atactcttnt 360

caagtgtcct tacagggaaa gtgacaacca ggctgtcact ccccacttnc ccacatgggg 420

gncccaggtg tagattctag ctctttcttc tgctggtttt tgttgaggtt attgtcacag 480

tggaacacgg gttaccagaa cttctat 507

<210> 9121
<211> 487
<212> DNA
<213> Mus musculus

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<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
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<222> (342)..(342)
<223> n is a, c, g, or t

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tatttcattg agaaatattg ggtaaaatag atttccaaaa caaacgttat gacttatatt 120

ctcccagggt gagcagactg catttctcac aagctgaagc tgcagatctc ttccaaagaa 180

aaatgatggg ggttgacgct acaaatctgg gtacatcttt gggtgaagat ttaaggtaga 240

gagaccagaa ngtctgactg atgagggaca ggtgtataac aaaaactcta aagtctacag 300

gccatgtttt actctaagga acattttaac atctaaattt tnaattagaa agctagtctc 360

tttgctaaat tacatggtca tccactttaa ggaaataatg ttgaatttaa taattatgaa 420

atgttttaga ggaaaatcaa gttgttttta tgtattcctt cagactgcgt tcatcttaat 480

atgccat 487

<210> 9122
<211> 162
<212> DNA
<213> Mus musculus

<400> 9122
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actgccagag cgctgtggct tgaacattgt taatagcttc cttgagatgg tcagtttagc 120

tttgtaacca acatctgaaa atccacctta actgcctcta tt 162

<210> 9123
<211> 64
<212> DNA
<213> Mus musculus

<400> 9123
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ttca 64

<210> 9124
<211> 531
<212> DNA
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<223> n is a, c, g, or t

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gagatgtgac tctnnnnnta nngtnnnnna nannnnnnnn nnnnnnnnnn nnnnanncnn 120

ntnnnntnnn agcactctgg aagcagaggt gggcagatct ccaagaattt gggacaagcc 180

tggtctacct gacaagttcc aggccagcca gggcgacaca gagaatctca gtaactgaaa 240

acactggagc agagacaggc ctctccttcc acctgctctg ccggcagggt gggtgtgaac 300

aggaagacct cagtcccagc gcacctcccg tggataggtt tagggatatt tatgggataa 360

agatgcagat ggtcgagggt gtggggaaat gattggaggg actcagtggt ctgctntgcg 420

acgcttcagc tgcagtggca atggttaact cttgaggcac tcatccgatg gggacgatga 480

cgtcaaaagc ccatccatca gatttgtaca taggcccaag tcaagagtca g 531

<210> 9125
<211> 505
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

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tgatgccaga taaggcaatc ttccncaaaa gagggaaaac caggaagtgg aataatattt 120

gaaatgtaaa taaataaaaa ataaaaaatt tataaattaa acaagtgaaa accttgaatc 180

tggagaaaga tttatgttaa tgaatacatg ctaattttaa tcaagctata aatatgttca 240

cacaatcaga aaattccatg ctttatatgt agttaaaatt tttaattata tgtacatata 300

cattatacta taaatttcat aaatatttta ctgtattgtg gatgaatagg catgtgggtg 360

ctattgaaca tggaatccag aggcctttga tgcatttatg accagatttc atgaagttga 420

gagttatcaa attttggtga ttgtaacatt tgtggatggt cttttgcaag agtagcaatt 480

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tcagactatg gaggtcggga ttcctattgt ttagttctaa atagacacct atacatagac 240

ttatacatat actcacaggt aggcatatgg attaagcttg tagtagtcat gtgctttgtc 300

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gaccttcctt agttagagag tatggcgatt ggactcccca ggtaagggaa gccctgctgg 180

aaaggggagt cctccatttt gcactgagct cagaggagct atccagacgt ggtagactac 240

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gttttatttg ttaagctgcc agctttgtat tctgggtaaa aggtaggtca ggaaaaacta 180

gtcaaaagca catgggctat gtgtatttaa aggcagtgtc tctttccaat gcatggtatt 240

aggtgctaca ggcacattta ctattaagca tcatgtatat ttaatagcac aatgtctact 300

ttagtgtcct taaaagcctg tatccacttn atagtttcca tnnttgaaga nccnntgttc 360

anttctcttg taattttgta aagtgctggc aacccacaag agcntctaga tttanccagt 420

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tttgaagaaa gcttgttaaa agaagcaaga tgtttctgcc tggctgggag gacaaagggg 180

agttcagagt ggctctgtac agaactctgt ctcacagaac ttgcttccaa agcaggaact 240

agttttccac attttctggg tcagattctc ataagctgtg ccattcccac tgtgctcact 300

tatncnaact naactcanct gtgactatta nacaaaatat tttcctgaca naaaagggat 360

ccctgtacaa actatgggag naaanacnaa ttancacnca gaagaaancc antcttttgt 420

ggtaatatac tgttttaatt tngggntcac ctntcttgca catttaagac atagattnta 480

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attttaccta atttagttca gtgactttat tgaagcacct atgggacaca gattggctgt 180

actttaattg ggtacctcag ctggtactgt aatgtgacag ggtgtgtggt ctttccgtac 240

tgtttcttta gtatgctaga ttgttggtaa tgatgtctgg atcagtcagt catgagaaat 300

taatactaat gaccntaacc ttccctggca agnnntgcac natatntnac ctanatcacc 360

tgggaaaagg gaccacatag acnctgaatt catcanccat tcgaacnacn actggnacag 420

gacccagact ttcactntag tncctncatc ctnacagctn ccatttncat ccagattntt 480

nnacattgnt cttaantcat ttttaaaaat taacantaaa tcatatgatt tctnacaata 540

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gtttttattt tttatttttt ggaaccttct tttaaaatgt tgtnattggg gctgaagaga 180

nntcccantn atntagagca tgacntnggc tatttttcca gaggtcccag gtttgtttcc 240

cancacccat atttgatgnt ntntttgat ttctatggcc accagatgct tatgtggtcc 300

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tgtgctttta ttgtagagat ttaaattacc aacataaata agtttttaca tatttttgat 180

cagtgctaaa tacttaatct atatgtagac atagaaacta aaatcatgtt tttgagtgnt 240

ctctcacact tatacacatg cacccccccc ntacgcnaga ccagacattg taannattgt 300

tntaagcaca ttacagacag taactcattg aattctcnca agacctgnac acgncacttt 360

ctnccttttat tctggnatcc aaggggattg gatnggctgg ctgagatcac agccacccag 420

tggctggtct ggaacttctn ttctgaccat ctcaccctct aagccaggcc actatacctt 480

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cctaaccact gagtctaacc actgagncat ctctccaacn nnnnnnnnaa agcccttgc 180

tccttctggg ctgttagttc tccaaggaga tgctcag 217

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tctcccatgt ctaaacatga gacttggatg tgctcctggg atcaccagca tgctttatac 180

tctataaaca tagaatcctt ggagaacatt ccttagcacc cccggaaggn agatgtnnag 240

aggcngacta gacgtggagg aagacgctga ctgtcaaaac tgctgcccca gagctaattt 300

cctctcacag taccatataa gtaacaaata ataggcaata aaaacctgaa ggaactaaga 360

gtcacccatg ntcctcnatc tattgttacn atcattttat acctgattat ttcctatgca 420

tatatatgta agaaagatta caccctgggt tttaaaacac aacagttttt gtaagcagat 480

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gtatacacac acacacactg aggaggtggg ggcagtgaga cgnatgagtc anngaggcag 120

ggacagcctg ccagcctcac ntatnaggaa gtngtgccca tcctaatgga gtcaggactc 180

ctgccctgag gccacatgga ctgggctgtg gacttttga aaacnaggct ctnaattggt 240

caaccccncc ccatcaccat ccccagtacc cagccaaacc caggccaggg gaaatacacg 300

gtgagtatct ccagagaata aaatttgaat actcaaatag aactgggccg aggggtgggc 360

ggagcatgag aggcatgcca gccctttctg taaacactca aggcttttc acccaaaggt 420

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ttcatttgtg ttacgctgtt tttgaccttg ggatactttt ccatgtcaat tcttgtgtac 180

ctttccctct tatttctgga actccttttc cctttaaaaa atgcttcagg aagaattatt 240

tttctttatc cttttaaaaa tgttannnta gntananngt tccccccccc cacttctccc 300

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aggttccgat acatctgtta gataaagaga gttgaaaatt tgggagtttg gtgacaatag 180

atccagggac gtgggcagaa agcaagttca tttttaaact tggtgccaca aatgccccag 240

gtttgagtta aatgacctgt gtgctttgtg gagtgtaaag gaaaagcgag ctgcagcctg 300

tttgtcgatg gaaagctaca gccctgagtc tgggtatgtg cttacctgtg ggtgtttttg 360

actgactaag aaacactgtg gggactggag gctataaagt ggtctttgga agtgggactc 420

gattgctggt aagccctggt aagtgagcta aggaagaaat gatgggaagg ctgcgggtga 480

aaggtcttta tggtccagga a 501

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tagccagggc tacacagaaa gaccctgtct cggaaaaaca aaaactgatg gatgagaaca 180

gggcccacag aatcaactaa gccgagctca tatggggctc acagagcctg catgagtctg 240

ggcttggcct ctgcatatat gttatgactg tgtacctggg tgttcttaag gtacctctaa 300

caaggggaat gaggggtgtc tccaactctc tggcctgtgc ttgggaccct tttcctcctc 360

cagtgttcct cgtccagcct tgatgtgagc ctagtcttat agtaactgga tatgcatgct 420

cagttggcat ccct 434

<210> 9139
<211> 263
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<400> 9139
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tgggccaagc attcaagcct gtgagtctat gggggctatt tgtattcaaa ctgaagtttc 120

tctttgctcc tacagggact tttgtatcat gaggtcgaca atggtaacct ctgttggaan 180

caggatttgc cttctacctg ttctccagga tacaatgctt tgctgttcgc tcctctcctg 240

tcagacttaa aggcctatcg aat 263

<210> 9140
<211> 305
<212> DNA
<213> Mus musculus

<400> 9140
caatcattga cctactaaac tcagtctttg accaactggg atcatacaga gggacaaaag 60

ctcctctaga ggattataca gatgatgatt taagcactga ctctgagcag atcatggact 120

tcacgccagc cgcaaacaaa cagaattctg agttctctac tgatgttgag acagtctcct 180

ccggctttct ggaagaattc actgagaaca cagacatcac agtgaaaatt ccattagctg 240

ggaatccagt ctcccctact tcctgagaag actccaactt tgaaataaac ctgcgactgc 300

cattc 305

<210> 9141
<211> 287
<212> DNA
<213> Mus musculus

<400> 9141
tgttctgtga ctctactttc caggacaatc ctgacctcca ggatcctcga tacagcacag 60

aactcggcat gtaccagcct cactgtggac tagagaacgt ccttatgtcc tggggccatg 120

atgagtacct ataccagatg atgaagttca acaagttctc cctgccttca gaggccttct 180

acatgatccg attccactcc ttctatccgt ggcacaccgg cggtgactac cggcagctgt 240

gcagccagca ggacctggat atgctgccct gggtgcaaga gttcaac 287

<210> 9142
<211> 303
<212> DNA
<213> Mus musculus

<400> 9142
accccaagtg gtcaataagt cttatttgca aaagccatga tcttcaaggg tgagagaaaa 60

atctgaaggt cagcggagac ctcagagaaa acgggggcaa agtgtcttag gccagaagta 120

cgctgtagca ttgtaacatt gtgcagatgg agacacccca cccctctcta ccccacccca 180

cccaagacag ccttccacta gaggctgaag ccaggaagca gacagttgct gtccttattc 240

ctgttaaaag cctctggcac tatgaacaac gcagtgtggg gacagtgggt gactcagaac 300

tct 303

<210> 9143
<211> 342
<212> DNA
<213> Mus musculus

<400> 9143
gaccatgact ctactgggag gcagtgctgc cttctttctg cttgagaccc tcaatcggcc 60

cttaccagaa actatcgagg acatacaaga ctggtaccag caaaccaaga aaacaaagca 120

ggagccagaa gcagaaaagg catcccagac aatcccgctg aagactggtg gaccctagct 180

aagaacaaca gaatcctctt tcctgccttc cagagactga tcccaagcag ggcccttcca 240

aggctattcg agcaccttag gggttgggtg gagccccagc tggctccatg ctctcagaac 300

aaagacttct gagagttcag caaaagtgtt ttaccttcac ca 342

<210> 9144
<211> 504
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (133)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<400> 9144
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ggatgcgagc tctggtggca tccattctgg acttcatcga gctcttcana ccaaggncat 120

nnnancttac ccnngccttt ngagatggat atctacagga acttgggnca gtgntggact 180

tcccacgcac tgcngatggt gacctggctg gcactgtgca ccctcaactg caggaccatg 240

actttgagcc actgaggcct ggtgaaccca tcttcaagct tttcagcgga gaagacgtac 300

tgtatgaggg ggactccatt gtgtaccctg tgttcattaa tgaggctgcc tattatgaga 360

agcacgtggc attcctgaag tctgagaaga tcagggtcac agtgcctgcc ctgctgaggt 420

tgacccccg ctccacccag actccctaac ccaaatcata cctggcctga tctcagtttt 480

cctatctgaa caatgggtcc caag 504

<210> 9145
<211> 466

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<400> 9145
ggcagcatag tgagcccact gataagcatg actgccgagt tctacccctc catacctctc 60

ttcatcttcg gcgctgtccc cgtggccgcc agcgctgtca ctgccctgct gccagagacc 120

ttgggccagc cgctgcctga tacagtgcag gacctgaaga gcaggagcag aggaaagcag 180

aagcaacagc agctggaaca gcagaagcag atgataccac tccaggtctc aacacaagag 240

aagaacggac tctgaaaatg gagagggcgt cacacagcac taaagggagt ggggttctnc 300

aggtcccacc atntatngag gagggggagt gagtggaggg actggnccat ctaaatgcgg 360

ancctnccat tcagagaaat ncctccccaa aggtcacttc aatagaccta ctaggaacaa 420

aagctctaac tgtgtgcagc ttcttaagca gaatgagctc ttcctc 466

<210> 9146
<211> 348
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<400> 9146
cagggatttt ttgttgccat catatactgt ttctgcaatg gtgaggtgca ggcagagatt 60

aggaagtctt ggagccgctg gacactggca ttggacttca agcgtaaagc acgaagtggg 120

agtagcagct acagctatgg cccaatggtg tcacacacga gtgtgaccaa tgtgggcccc 180

cgtgcaggac tcagccttcc ccttagcccc cgcctgcttc ctgccaccac caatggccac 240

tcccagctgc ctggccacgc caagccgggc gctccancca ttgangaacg aaaccatacc 300

agttactatg acagttccca aggacgacgg cttccttaat ggctcctg 348

<210> 9147
<211> 526
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<400> 9147
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atgcctggtt ttctattttc tatttgctaa aggagaaatt caggactggg ctaaagaaat 120

aaaaaccaca cgactgtgaa gggaagacat gtgaaaatgg cattgataac ctttcactgg 180

acaagaaaga caacttgaga aaaatcttct agcctagact aatgtctctg aagtgttgga 240

ctcttcagtg acatctctct gtgttttgtt tccttttttct acaaaagtta gtagaaaaag 300

gagaagctga gaagcctgag gtcagcatcc ttatagaaag aaagaggatc cttcatggga 360

ctgcagtcct gggagagtcg tgaacacctg gagacaggta gcatgaggct cctgaacgct 420

cagtcgcacc cacttctgtc tgagtgattc ttttgcactg tgtattgtat gtaacaagtt 480

atacttctga ctttaaagga ggatttattt atgtcttcct ctatga 526

<210> 9148
<211> 460
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<400> 9148
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ttgagagacg acagtcactc tgtggtgtac acaagagagc tggacggcat agataacgtc 120

ttcctcgtgg ttctgaattt tggagaatca tcaactgtgc taaatctaca ggggatcatt 180

tcagatcttc ctccagagct gagaataagg ttaagtacca actcagcctc caaaggcagt 240

gctgttgaca cccgtgccat ttctctggag aagggagagg gcctggtctt ggagcacagc 300

acgaaggctc ccctccatca gcaggccgct ttcagagaca gatgctttgt ttccagtcgg 360

gcgtgctact ccagtgcact ggacatcctc tatagctcgt gttaggaagg aagctcccta 420

agagatggcc acccagaaca tcacgtacgc acagggctga 460

<210> 9149
<211> 528
<212> DNA
<213> Mus musculus

<400> 9149
caactataga ccaccattta accgcctctt gatcacagtg ctaaatagtg tattcacctt 60

ctcctacaag aaggctcagc gagatctggg ctatgagcca cttgtcagct gggaggaagc 120

caagcagaaa acctcagagt ggatcggaac actagtgatg cagcacaggg agattggaaa 180

caaaaagtca cagtgatatg aagagggaga ggacatggcc ctgggtgtta ttaggtcctc 240

cagaaaggga cttagaaaca atccaactct taacaattcc attttacact ctgtccaact 300

tgtctttggg tcaccagaag ccttgcaagt cactggccca gttgcaaccc ttcagctcta 360

agcacttgtc cagcaatgca caagatgtgc ctcagctgct gtgacccaag gataggtggc 420

tgatagtgag ttgcctggaa cctcttgtag gttagaattt catcagggct tcctcatctc 480

ctttccatgt gccaacgcat ttcgtgtctg agaaaattcc catacctt 528

<210> 9150
<211> 451
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<400> 9150
gaaggatgct gttcctacca tcaggcttca ctgaggagag gaaactttca tctgaggnag 60

atgcccacag gtcacctgcc ccttctgagg gatgataagg gcttccgtaa gctttcaaac 120

cagccgtact tccataggcc agagatcatt cccactcagg ctatctcttc caggagcagc 180

atcaaggatt ccccgtcatc actgtcaaca tttgggtatg atcactcatt gttcaggtgt 240

gaacgttgct gatggcaagg atggagtcta tcatgtcaga ggcagaccca tttggagatg 300

ggaggttgta ggtggcacac actgtttcac ttgagatgag agctgtcact cagtgaaaac 360

acaccttcag gttagctgtt cttaggaaac acctctcgag gaacaccatc gtgtctagga 420

gtgacgtttg aggcttttga gagctcctga c 451

<210> 9151
<211> 480
<212> DNA
<213> Mus musculus

<400> 9151
atacatggta cctgtggttg tccaccatga tacccatatg tggcaactcc aggtcaaagt 60

gattgtgtgt cgctgcaacg tggaaggcca atgtatgcgc aaggtgggtc gcatgaaggg 120

aatgcccacg aaactgtcag cggtgggtgt cctcttgggc accctggcag cgataggctt 180

cattctcatt cttgtgttca cgcacctggc cctggcaagg aaggacctgg atcagccagc 240

agacagcgtg cctctgaagg cagcggtgtg aatgatccaa gcagccccag ctgggaggtt 300

ggccccagct ccctctgaac tcactgagaa aggacccagt acccaagatg cactggggac 360

caagacagag taaaagccct tcaccttgtt ggagtgaaga cattatcaca ggcatgtccc 420

caaagcctga gcacctactt tatgggatga ccatgggaac actccaaatg gcagctcttt 480

<210> 9152
<211> 409
<212> DNA
<213> Mus musculus

<400> 9152
aatcataagg tgttagcttc tcaaaatatt ctagaatttt ctttttgata actgattatg 60

taggtatagt gtgtgtttgt agttactgat ttgagcattt ctagaaataa agtcagggct 120

gtaactatat ttcatatttt gaagacctaa gaaaaaaatt ttcactggag aatggctata 180

acatggcata gaaatcatta aaaatggatc tttttgaata ctgtttatat tactctgtat 240

atgatgcatc gagtaaaatt aaacaagaga tggataaaaa tggcaaggga attttattct 300

gttatcacac caacagttgc ttgtatagtt tctgcatatt agtctttagt agggcaagca 360

gatctatttg ttgttgcctg caatttgtac acatcctacc tatgctgat 409

<210> 9153
<211> 566
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (478)..(478)
<223> n is a, c, g, or t

<400> 9153
aatgcctgca atatacttac ctaccaaata ccagtattcg aaacattgta ccaaccggaa 60

tgttgatttt gcacccctgg gattgcaggg agtcacctgg agactctagn ctcactgcca 120

ctgtccccat gtttccaaag gatagtgtca cacattgtga acccaggaaa agctccccgt 180

tcaaaaacag tctcttctga atgcgtgtca cttttgcatc aatgttaaag ttgagcccct 240

ggaaagtgaa tcactgttta agtctgggcc cacgtgcagt tttgaacata gagacaattc 300

agagccagtc attatagtta acagaattca actgtgccca tgggaattat gaactgagaa 360

ttcaaaaatt ttgtttctct aataaataag gtaaacacca tatagtncaa tgtgggggag 420

actatggggg agtattaatt catctgccac tgtcaaacat gcactgctgt ctactgtntt 480

cattccgggc tggaattcct atttcttctg cctattgttt tctatgctac aaaactatat 540

ctgaactgct tctatattct tgctgt 566

<210> 9154
<211> 239
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<400> 9154
agcaggaacc cagaggtgtg agcttggaag cngaggccat gtcaagaagc caactgtggg 60

ctgccgtcgt cctgctgctg ctcctgcaga gtgcacaggg tgtctacatc aagtaccatg 120

gcttccaagt ccagctggaa tcagtgaaga agctgaatga gttggaggag aaggagatgt 180

ccaatcccca gccncggaga agtggcctcc tccctgctgt gtgccataac ccagccttg 239

<210> 9155
<211> 273
<212> DNA
<213> Mus musculus

<400> 9155
gggattccat attggcagct gcagacaagt ggttacgtgg cttggcagag tggcatgttc 60

ccaaagctgg catgtttcta tggattaaag ttaagggaat ctccgataca aaacaactga 120

ttgaagaaaa ggctattgaa agagaggtct tacttgttcc tggaaatggt ttcttcattg 180

atggttcagc tcctacctcc ttcttcagag catccttctc tctggctact ccagcacaga 240

tggatacagc cttccagaga ttggcccaac tga 273

<210> 9156
<211> 510
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

<400> 9156
gagcaccagg tgcacatgcg agcaaaacac tatacacata cgattaaaaa gataaggtag 60

agaatgactg aagaagaaat cttacgtcaa cttntgatct acacacacac acacacacac 120

acacacacac acacacagag catagtgatg tttgtttcag tattcagtgg gtaggttata 180

gggccacagg tctggtaaaa gaggttttat tccttcctct ctcaagatgg tgctgaggac 240

tgggaaagca gtcagcctgg agtgtgtatg atgctaacac cgaatggttc ttgtgtttct 300

ctgcctagtg gttgaactgc aattctaggt atgaaggaga aaggaacgag atacancacc 360

acagtcagga tgctnctgct ttcttntctc taaaggccat ccctacatct tccaaaggga 420

acaagttagc aggagaattt acttcggagg aaggttctaa tntcttgttt gttcatttcc 480

acatctgcat cattctgatt tcaccttggg 510

<210> 9157
<211> 387
<212> DNA
<213> Mus musculus

<400> 9157
tgccctatat ccaatccagc tatattacaa caattatatt tctgacaatt tcctgtggac 60

tgtgccctct atctcaggca ggaatctata ttaatgcgtt agacattgct ccaaggtatg 120

ccagctttct catgggaaca tcaagaggat tggcacattc atcggctgtg ctggtaccca 180

ttgttgctgg ctttttcctc agccaggact ctgaattcgg gtggaggaat ttctttttg 240

tagtgtttgc agttaaccta cttggcttaa tcatctacct cgtgtttggg aaagcagatg 300

ttcaagaatg ggctagagag aggaagctca ctcgtttgtg aagctgtccc acttgctgta 360

aagaagtcat tacatacgct ggctcct 387

<210> 9158
<211> 470
<212> DNA
<213> Mus musculus

<400> 9158
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aagttgcatt atatctatgt gttcctcttc cttctcagtg ggctggtgtt ttacgtgcca 120

ttgatacact ttaaagtgaa gttcgtttgg tttcagaagt tgacttgcta tctgcagtta 180

ctgtttaata tttgcatccc tgatgtgtct gatgaccaca tacatgaaga aagttgagga 240

agaatagcct ttgtagccat actgtgttcc agataaaggt taagtgtaag ctaaaatagt 300

aatgatggca atgctataaa ctgaaatggt atatagaaaa gtacccagga aattcctagt 360

ttttaaaata tcaaaggaaa tggctgggta gatgactgtg ctgttaaggg caccagatgt 420

ccttccaggg gactgaagtt caattcacag gccccactta gaagttcata 470

<210> 9159
<211> 569
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<400> 9159
accgtctcac tgacatctgg ctgganttcc cgctggtcgt atttgctgtg gttggccttg 60

ttgctggggg acttgtgcta ttgctacctg agaccaaagg gaaggctctg cctgagacca 120

tcgaggatgc tgagaagatg cagaggccaa gaaaaaagaa agaaaagaga atttacctcc 180

aagttaagaa agcagaacta agctaaagag aaagagcatc attgctgctg gagatgactt 240

tgctctctct gagaccagag gcagagcttc tcttcccctc ccgcgaaagc cacacaaccc 300

aacctcactt acccctgaat tcctgaactc catcagcagt gagctgtcgc ccgcccagtt 360

tgttgcactg atgtgtccag ctcttcctct caaccaggac ctcactccac ctcactccac 420

tctcaacagt cctggggaat gcccattgct ttgctggatt tgttggggtt tttttcatct 480

gtacatttct ttacttggtt tctttctcca agcatgacat caaaccaaaa tatacaaggg 540

agctgtgggt caggacaact aactattaa 569

<210> 9160
<211> 111
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<400> 9160
aatcccttcg agtacgacta tgaaacngtc cgcaaaggag gcctgatctt cgcgggcctg 60

gccttcgtcg tgggcctcct catcattctc agcaaaaggt tccgctgtgg g 111

<210> 9161
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<400> 9161
aagggcaggc actccctggc tcctgcgtac ctcagacacc tccagcagct cctaccatgg 60

acaggtggta cctgggtggc agtgccaagg ggacagagaa tcccttcgag tacgactatg 120

aaacngtccg caaaggaggc ctgatcttcg cgggcctggc cttcgtcgtg ggcctcctca 180

tcattctcag caaaaggttc cgctgtgggg gcggtaagaa acataggcag gtcaatgaag 240

atgaactgtg acagaagagc cggcaagtgc ccacgggtgc atgggcacca gcgatgacca 300

ccttccccag cgtgcgcacc acagacccca gcacagtcag catgggctga aggaagtgcc 360

aggcatcctg ggaacccctt catggtcatc ccctcctgcc tcagatcctt aacttcctct 420

cttccccagc ttctctaaca ccccactccc tgttccaagt tgaggagcat g 471

<210> 9162
<211> 508
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (34)..(34)
<223> n is a, c, g, or t

<400> 9162
aagaatttgc gatcgtgccc ttgcatgcag cccnaacaga agctgtgagt gagatcgacg 60

ccctctacga tgtttaccta gatgtctggc aaaagtgggg cctggaggac atcatgttca 120

tgggagactt caatgctggc tgcagctacg tcacttcctc ccagtggtcc tccattcgcc 180

ttcggacaag ccccatcttc cagtggctga tccctgacag tgcggacacc acagtcacat 240

caacacactg tgcttatgac aggattgtgg ttgctggagc tctgctccag gctgctgttg 300

ttcccaactc ggctgttcct tttgatttcc aagcagaata cgagactttc caaccagctg 360

gctgaagcca tcagtgacca ttacccagtg gaggtgacac tcagaaaaat ctgatgtcat 420

tgagcagttc agccatactg cttctggtga ggaagaatcc acttcaactc tatttggtac 480

tacagcattc caccatctca gaacagag 508

<210> 9163
<211> 348
<212> DNA
<213> Mus musculus

<400> 9163
gctgtattct gggttgagtt tgtcatgcgc cacaaaaatg ctaagcactt gaggccactt 60

ggacataacc ttacctggta ccagtaccac tctctggatg tgattggatt cctactcgct 120

tgtgtggcag ccactgtagt tcttactgta aagtgcctct tgttcattta ccgattcttt 180

gtaacgaaaa aaaaagaaaa tgaagaatga gtagagttca ttgtcaatgc accacatgaa 240

tgaactttca gcctcattct aatttatgag ccaccttcta aacactgatt tgattctttt 300

ttaatcaagg cacatcttct ttataaattc taccttgtaa gaagacat 348

<210> 9164
<211> 252
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<400> 9164
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ctgctgcctg gtccttccag tgcagtgatt cttgctggtc ctaaccaagg cttgggtgag 120

ataggctgcg tggtgcaatt cttctcaagc cgtagtgact gtactnaggc tggtggtacc 180

gggtggcagg acctgcgttc agacctataa ggagtggtct ggatcttttg cttagaactc 240

tgacgaatgg tt 252

<210> 9165
<211> 381
<212> DNA
<213> Mus musculus

<400> 9165
aggctcctgt ttaaaacctt tgcagggagt accgcacctt ctctctggga tttgggaaaa 60

gggaagaaaa attgaaaacc ccaggctctg tgtggactgc aagaaatggt agagctcaag 120

gcttctctag tcttatgaga acttgtacta ctgaatttgc gaattttgtt tttttgagct 180

ggaccgatct ctgggggacg acgttgagct aggatggcat ttcactgtga tcccccaagt 240

tcaagccagt ctttaactca gtgttggctt aagtttccct ggagctggca cgtcagcttt 300

tcttcagtga cagttggtgt tcctcttgat ttgggtatat gtgcttagtt cagagtctgt 360

tctgtatctg ctatcctaac t 381

<210> 9166
<211> 542
<212> DNA
<213> Mus musculus

<400> 9166
gggattccat gaagttcacg tccttcccga catcaaccag aagccccagg ccgagcacac 60

caagcggttt gaggacatga ttgcaccctt ccgcctcaat gatggcttca aggacgaggc 120

caccgtcact gagatgagga gggactgtcc ctggaagatc tcagatgaag agattaacaa 180

gaacagaatt aagtcccttc ggcaggtgag actgagtgag atactgctgg attactctcg 240

ggatgctgct ctgatcatcc ttaccctgcc cattggaagg aaggggaagt gccccagttc 300

gctgtacatg gcctggctgg agaccctgtc ccaggacctc agacctcccg tcctcctcat 360

ccgaggcaac caggagaatg tgctcacctt ttactgccag tgatgcctgg ggtgacggga 420

accgccaccc agaaccccaa agctgagggc ttgggataga gtcagaacgc accctctcca 480

gctggagaag aggcttcaag ttctactgta tcatcccatc catcagcgcc tatgcagaag 540

at 542

<210> 9167

<211> 396
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

<400> 9167
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actgcctgac accatccaag acatccagaa acagtcagtg aagaaggtaa cacatgacac 120

accagatggc tccatcctga tgtctacccg gnctgtagtt gcctggagaa ggaacnacag 180

ccacaataag aggaggagga agaagaggag gaggaggaag aggagaagag agagagagag 240

agaaggagga ggaggaggag gaggaggagg aggaggagna aagggcaggg ctggcgacgg 300

cgggtaaaga cacctgcctc cgggcctaaa tttctgaaac tcatgtgaca acagacttca 360

caaagttgtc ctctgagctc cgcatggaca catacc 396

<210> 9168
<211> 539
<212> DNA
<213> Mus musculus

<400> 9168
tactcagggc cacgtggtga ctaaggatta tcctacatac gcactagctg tcattgggct 60

tctggtagcc tcctccacca tgtgcatccc tctggtagcc ctggggactt ttgtcacacg 120

ccacttcaag atcagagaac agttttctgc agcctgagaa ctggaggtcc cacagacttc 180

ctgtcagtca ctgtttcaca gccactccct atatatccag cagtgggagg tctacagctg 240

ctttttaaag ccacaagtat tttctgcttc ctgaatctgc aaggaaaatt aaattctctg 300

tattaaattg taggctgaca gaaacctaac tctgaccata aatgctgagg cttttaccct 360

tttgtttttg ttttcaagac agggtttctc tgtgtagccc tggctgtcct ggaactcact 420

ctgtagatca gactgacgtt gaactcagat ctacgtgcat cccaagtgct gggaataaag 480

gtgtgcacca ccacttccca acagctttta ttcctcctct tccatgacgt atacttttg 539

<210> 9169
<211> 513
<212> DNA
<213> Mus musculus

<400> 9169
ttggcatttc catggcaggc tggcaggcta tggtcggagt gggcacgccc tttggggctc 60

tactggcctt tgtggtgctt gttaatgtcc tgcagagccg aagtcccggg cacctcccca 120

agtggctgca gacatgggac ttcctacctc gctggatgca ctctttgcag cccctggatg 180

gccttatcac aagagccacc ttgtgttatg ccaggcccga gccccgttca ccccaacttc 240

cccctagagt cttcctggag gagcttcccc cagccacgcc ctcccccccgc ctggcactgc 300

ctgctcacca caatgccacc cgtctctagg ctacaggccc cgactactgc ctggaacgag 360

gagtggtatt tttacaatgc ccacagtaga aagacagagc atgtgtgtgt gtgtgcacac 420

atgtgtagat gcgtgtcact tgaggtacat gcttttgtgc cacccttggg tacctgtgca 480

tattaagggc cacagtggca tgggcttttg taa 513

<210> 9170
<211> 75
<212> DNA
<213> Mus musculus

<400> 9170
tggcaccagt accactttct agatgtgatc ggcttcctac tctcttgtgt tgcagtcact 60

atagttctta ctgta 75

<210> 9171
<211> 500
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<400> 9171
ggatgccatg atgttcaact ttcttagtcg atccggcagc aatcacagtg tgagcacact 60

gggaacctgt ccttgcggcc gccgagatct accgtgtgct tctgtgaaga ggctttgacg 120

tagcccctct ttgagctctt acaccatgct actgacttct agaaaggcta attaggtctt 180

cttctacacc taatacccta agtcttactg actctcacgg gagaagtctc tgtgctacac 240

ctgagtggtc ttattgataa ccctgatacc agatcaggca agataaatcc gtcatancag 300

gcatggctac cctngctncc nacagggtca cagcacatag ctnnatcacc ctgttattnt 360

tcatcttgca atntggtatg gttttcctgg tgaatgatca gcttttgctg tggtattctt 420

tatacatctg gacttattat tgaaatcaaa tgctatagaa tcaatagttt attttatgtc 480

tatttttctt gatcgcagag 500

<210> 9172
<211> 538
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (101)..(102)
<223> n is a, c, g, or t

<400> 9172
gatgattctg aataagcctg ggctcaagta caagccggta tgcaaccagg tagaatgcca 60

tccttatctc aaccaaatga aacttctgga tttctgcnaa nncaaaagat attgtattgg 120

ttgcctatgg tgttctagga acacaacgat atggaggatg ggtagaccag aattcccctg 180

ttctcttgga tgaaccagtt cttggttcca tggcaaaaaa atataatcga actccagcct 240

tgattgccct tcgctaccag ttacagcgtg ggattgtggt cctcaacacc agtctcaaag 300

aggagcggat caaagagaac atgcaggttt ttgaattcca gctgagttca gaggatatga 360

aagttcttga tggcctgaac agaaatatgc gatacatacc tgctgccatt ttcaagggcc 420

accctaattg gccatttttg gatgaatact agtatgtgag gatgtctcct gaaaagccta 480

tgggtgggac actgctcagc tgctgccatc tacagacttg ccacttctct gtagcaat 538

<210> 9173
<211> 339
<212> DNA
<213> Mus musculus

<400> 9173
gcggataata agcttaccct ctgatcacat gtagcttaca cttgctgcta gctggaggta 60

tattaggtag gtgagcaaga gacccatgtt ccacttacat gaaatagagt cttaacatac 120

aaatatctat tgtcttcctg gctaaatatt ttggtatttc taccttagta ctactttatt 180

tttttctctc tctaagtggt atgcatagat gaaataaaaa tcgatgatct catagaaaat 240

taatttcaca ggtttccaat ccactattaa aaatgtatcc agatcctaca tttatttact 300

ttctaaatat ataggtattt aacccgtgct ttacagaat 339

<210> 9174
<211> 314
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<400> 9174
ccctattcta tgtgacagag gaaggaagaa tcagccggnc tcagtgggtc cacaactcat 60

gagcttacac accacctcca taaaggagtg tgccactgac ctctgcagag cacagaaaga 120

ggcagtggtc tgaagatcaa tctatgggaa gacttaagaa tgacccttta atggaggagt 180

tggcatatat ttcaagttgt ntctgttggt tccagggttt ttaacctctc tagttaaggg 240

cttagctttc ttgggacatc ggctncctta tttctgaaaa agaccaaatg taactggtgt 300

aaccagcagt ttgg 314

<210> 9175
<211> 477
<212> DNA
<213> Mus musculus

<400> 9175
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ggaggtctgt ggctcatcag aggccttcca taattcagta catagcaact ctagcattct 120

ctgcctccat cttctacaga tgcacctgaa ttggtacctc acacttttgg ctcctttgct 180

ccttgttttc ctcttgtgac cttcattcct acttagatag aaacaacttg catcatgttc 240

tcctcctctc actcatttat cctaaacaca ctgcttcaat aggctgtgtg ccctgtggct 300

cctcatgttc ttcctctctt tatccctttt atcatttggg attaacacca tatttgtgca 360

ttttttctct tgttcttctt ctcttttaca ataaacactc tttacagctc agaacacctg 420

ctctgcctta ctcctctatt tccctcaggc ctgggcagca atcattctat attatac 477

<210> 9176
<211> 477
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)

<223> n is a, c, g, or t

<400> 9176
caccaagtct tggatcactg ctctggtggt gatagggaaa gctttttctg aagcagcctt 60

tactacagcc tacctgttca cgtctgagtt gtaccctact gtgctcagac agacaggaat 120

gggattcact gcactcatag gccggctagg ggcctctctg gccccactgn gtgngtcttg 180

ctggatggag tgtggctgtt actgcccaaa cttgcttatg gggggatttc tttcctggct 240

gcctgcactg tactcctgct gcctgagacg aagaaagcac agctgccaga gaccatccag 300

gacgtggaaa gaaaggggag gaagatagac agatccggga ctgaattagc ctagggacag 360

ctcaccaagt agctggaaat agaaggcagg ctcttgtgac tgggacatca aattcctctg 420

cctaaggatg gagctgctac tggtgctgtc tgcctgtgtt tatccagtct ccaaaaa 477

<210> 9177
<211> 440
<212> DNA
<213> Mus musculus

<400> 9177
tgcagatcct gcgtgtattt ttgtcaacat taggaggagc aatttcttct gcctctataa 60

cgagtactct tgtacatgca aatgagctag tccccaccat aatcagggca actgctttag 120

gagtcgttgg aattgctggc agtgctggag gagcgctgtc tcctctactt atgatcctca 180

cgacatactc tgcttccttg ccctggatca tctatgggat tcttcccttc cttggtggcc 240

tcgttgccct tcttcttcct gagaccaaga atcagcctct gcctgactca atccaagata 300

tagaaaataa gaggaaaagc tcaaaagagg caaagaaaga tgtggttgcc aaagtgacac 360

cattataaag aattccaacc ggcctctgat caaggagaaa gatgaaaaaa tatatatcat 420

tcagcatatc gtggtccaga 440

<210> 9178
<211> 501
<212> DNA
<213> Mus musculus

<400> 9178
tgaactctca ccagtagaac tcaggtcaac tctaaatggt gtttttttag ctgttgttcg 60

attggcaggg gtcctgtctg cactaacact tgctactaga aagtattttg tatatcttcc 120

catgatactc tatggagtcc tacccatcgt ggcaacaatc agcatcctct ttctgccaga 180

gacctttaac cttccacata ctgacattat caaggatatg gagaaaagga aaagattgat 240

gagcaaaaac atcagtaaaa aagaagggca agacttcttg gaaactaccg agtgctaaag 300

agagtcaaga tccacagggt tccatccata taaagactct ttattctgtc ctgtacccta 360

gagactttac ccattgatca gcagttacgg atatatttat taaatgaagc tactgcaaaa 420

gtaaatctct tagccaatcc gttatataga tgcaagtcct aaggttttta tcaaatactg 480

gagtacaatc ccctttcata a 501

<210> 9179
<211> 257
<212> DNA
<213> Mus musculus

<400> 9179
tttaatcctc accatcaaaa acaagttggc atctttcagt gctgttcttc cttcaaatgt 60

gatatgtatg aagcccctgt ctcctgaagg aatgtggcaa aataataagt ttaaagtatc 120

agcttttgga ctcattaatt caagtcgtta cagaacacac agttgctgtg agcactgtct 180

gttgtgctgg gcattacatg gtgggaataa aacagatcct ttctctatct ttatggactt 240

catagatgct ctaagaa 257

<210> 9180
<211> 324
<212> DNA
<213> Mus musculus

<400> 9180
ttgtgtgtag acatgaggtc gcttggaagg ctctgcctgt gagcggggga gaagcaacaa 60

tcggccatct tgcccacagc aaactcacag tgcagaagga aacggccatt gggctgtggc 120

ttcttacaga gggtttacac taccaaccaa ccgcaaaggc atctgggacc acaaaacagt 180

taaccaggac gacattccag cagatcctac aataagtcag acaattgtgg atgaaaaagg 240

ccaccgtaag tgacaactta aaaaacaaat ccaaatggaa acacagcaag cttatgtgag 300

aagacactga tccggagacc tgac 324

<210> 9181
<211> 190
<212> DNA
<213> Mus musculus

<400> 9181
tcttgcttga cagaccttaa atcaaccctt gcctggcatc tcaggtgtca cctcccttag 60

tgactggaat tctggagctg actgactaaa accaaaccta cttcataaag tagggtgcca 120

aacagatacc agttaatcga aacctcagct gggtgtttgg ctctgggtgc aaactgttat 180

tgtattgact 190

<210> 9182
<211> 506
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<400> 9182
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gccaaagaca gtacttccaa agtgggcctg gcagtgcagg gaccgtcagt aagctcacag 120

gtgactgtac cagaaaatgt ggaaaaccag aactatggaa ggtccataga tccttctgag 180

atagttccag agccaaagcc agcctcccct ggagctgatg aaactcaggg cacaaaatgg 240

aanatcttca aacgaaaacc caagcagaca acgaacttcg aaaatccaat ctatgcagag 300

atggacactg agcaaaagga agctgtggct gtggctcccc ctccatctcc ttctcttcct 360

gctaaagctt caaaaagaag ttcgactcca ggctacactg ccacagaaga caccttaaa 420

gacaccgcaa accttgtgaa ggaagactct gatgtatagc cttgccaact ctctagggaa 480

catttagaca ctcacttttg cacata 506

<210> 9183
<211> 504
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<400> 9183
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tcatttcttg tacctatttt cgccctcagc ttcctgatat gatttaataa aaagctgtta 120

atgtgtaaat gtataccctg aagatttaga gtagaaatga ctgatttttt atataaaagt 180

ttagatttac gattctttga agattttgta tgattacttt ttaagataaa ttgaaacctg 240

ccagtaagac aacctgggga gaaaattgcc ttgttaagtt ataacaagtt ctttggttat 300

gaatgcatgt gggttcttgg gaataatttg tttttaaccc ataatatgta aaacatttga 360

tcatgtgaag ctattgagga gcatatgtat ctctcttttt taaaaatgta ttctcattgt 420

aattattcac ttaaagaaaa atagaatgta accncattgt ggttttatgc tgcttgaaag 480

aatttcctgg tagatatata agct 504

<210> 9184
<211> 473
<212> DNA
<213> Mus musculus

<400> 9184
atttccactt catagggcgg tcagacgata tcattaattc cagtgggtac cggattggac 60

cttccgaggt ggaaaatgca ctgatggagc atcctgccgt aagcgaaaca gcagtgatca 120

gcagcccaga cccttccaga ggagaggtgg tgaaggcatt tgtggtccta gcccctgaat 180

tcctgtccca tgaccgagac cagctcacta aggtgcttca ggagcacgtg aagtcagtga 240

cagcacccta caagtacccc aggaaggtgg agttcgtctt agacctgccc aagaccgtca 300

caggaaaaat tgagcgagca aagcttcgag ccaaggaatg gaaaacatca ggacgagcct 360

aggcccagtg agactcctga ggcttttgat ggggttctgt cttccccaat cctttcctgt 420

gacttcttcg tctccactta tggagatata agattattca cacagaggca cgt 473

<210> 9185
<211> 526
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (58)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(288)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (472)..(472)
<223> n is a, c, g, or t

<400> 9185
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gagcctgccg acaagtcatg agagagtttg gcaccgactg ggccgtgtac atgaccaanc 120

cggatggcac attcgtagtc aggacggtcc aggagctgct gccggcctcg tttggacctg 180

aagacctgca gaagattcna ntgaagnttg aagaatagaa tgtntgntga ntgtgcaagc 240

cctacctaag gaacggctct tngaagactt cataatgatg ctnnnnnntn tctggcntgg 300

ngccttgggg acacttgcca catgggtccc aaatggctgg gcaagggtga ccttgattca 360

cacaccacag cctccccttg agtgatggaa ggtgccactc acctaggcca aagcccacat 420

cctcttgggg actcagagca ctcctctcct tccactcccn aagacacggg tnttccagac 480

ccggtctgcc tccctaccag ccttcttagg ctctgtcgtg tgactt 526

<210> 9186
<211> 543
<212> DNA
<213> Mus musculus

<400> 9186
taggcggaac ctaccggatc tagaaggacg ttgagttcag agctccagag agtttgccga 60

aaagctcggc agtggcaaac ccagtagcct ggagtcgcca agctggagct ggaagtggag 120

ttccggggtt tcggggccgc ggctgctggg cagcgcctcc tccagaccga gaccacagcg 180

cagaatgacc agaaggcggt ggccttccgg cggagtgtcc gcgccaagag cgtgctgcgc 240

tggttctcca ccgtggtcct gtatgccgcc ttcctggggc tggtgagagc tgaggctgca 300

cccctcccag gctggggcgc gagcctcctt caggggacct gcccttccca gctcgactct 360

cacattcgct ccctgcacgt tctgtgactt ggcacttcgg gctcatcagc tgtctcatgg 420

gcgctatttt aatcactgag ggttgctgtc cagttcgaaa ttaatcgcac tgttttctaa 480

ctgcagcaaa ctttcctagc attgcctggg tctgtagcca ccgcactctg aactattact 540

aac 543

<210> 9187
<211> 469
<212> DNA
<213> Mus musculus

<400> 9187
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gatcccgcag cactgcactg atgtagccct tccagtcact catctccgct cagtcagtcc 120

cagcaacttg tgcttgcatt agggggggtg gccggctgca ttcagagcta agaacactgg 180

cagcatgccc gaagttcgca gggcggggct gtgacgtaag gcaaacgtca cagaacatct 240

aactaggagg agaaggagag ggcggtagag ttggtggggg ttcgggggcg gttctaaaag 300

tagcatgtag gaggaaatgg aagaagatgg atgagaggct ggaaaggtgg ctcagcgtta 360

agaaagagca ttcattacac agagcctgag ttccgttccc agcatcacct cttttggcct 420

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<210> 9188
<211> 497
<212> DNA
<213> Mus musculus

<220>
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<222> (392)..(392)
<223> n is a, c, g, or t

<220>
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<222> (425)..(425)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<400> 9188
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gctgtggtga aggatgtcca ctacctctac ttctccatga ttctgtcttt taccaccctc 120

atcactgtgg tcactgtgag ctggttcaca gagacaccct ccaaagagat ggtcagccgc 180

ctgacttggt tcactcgtca tgaacctgtg gcccagaagg actcagcacc accagaaacc 240

cccctgtctc taacccttc tcagaatggg actacagagg cccctggcac cagcatccag 300

ctggagacag ttcaagaaag tacgaccaaa gcctgtggcg atggtgtgtc tcccaggcat 360

tccaaggtgg tgagggctat cctgtggctc tntgggatgg aaaagaacaa agaggagccc 420

ccaancaaag cggaacctnt catagtttcc ttggaggaaa atcccttggt gaaaaccctg 480

cttgacgtca actgcat 497

<210> 9189
<211> 211
<212> DNA

<213> Mus musculus

<400> 9189
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ggaggaaata ccacgttgtc atgcccatgt cctacacatg ttgtgagcca tcttgcttca 120

tctttgtgtc atttgcaggt tcaacttcta caccccaaaa catatcactt cctttagctc 180

acagtcgttg tcatatcttc acttccttga a 211

<210> 9190
<211> 328
<212> DNA
<213> Mus musculus

<400> 9190
caaaaacaag ttggcatctt tcagtgctgt tcttccttca aatgtgatat gtatgaagcc 60

cctgtctcct gaaggaatgt ggcaaaataa taagtttaaa gtatcagctt ttggactcat 120

taattcaagt cgttacagaa cacacagttg ctgtgagcac tgtctgttgt gctgggcatt 180

acatggtggg aataaaacag atcctttctc tatctttatg gacttcatag atgctctaag 240

aaagctaggc tcaatgcatg ttctgctatg tgatctaaga tgagacacac aatgtatatg 300

aacttcacct gtctatccat tcatgtat 328

<210> 9191
<211> 68
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<400> 9191
ggacaaggac ggacatgcac agagagaacc acancctgg gaccatagga ttcatgattt 60

ctgatact 68

<210> 9192
<211> 163
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (56)..(56)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<400> 9192
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atagtttcac ttaaaattgt aagttcacaa atttaacatg ttaagacctn tctgctttgg 120

ttttcatagt ntcttaacct ggagtaaatt ctgtagaaca ctg 163

<210> 9193
<211> 311
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<400> 9193
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cgggtgncat gggcaccagn ngantgacca ccttccccag nntgcgcacc acagacccca 120

gcacagtcag catgggctga aggaagtgcc aggcatcntg ggaacccctt catggtcatc 180

ccctcctgcc tcagatcctt aacttccntn tcttccccag cttctctaac accccactcc 240

ctgttccaag ttgaggagca tgtgtagcct catccccctg gttttcaatg aatccttgta 300

taagcaactg c 311

<210> 9194
<211> 465
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<400> 9194
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caccagaaac ctagcagaca cttttagggt ggccagtctn ctaggcattt tacccttgtg 120

ggtcccagtc aactgtagta ccatcttctc tactgctagg tacttgggtt ggaaaaaaaa 180

aaggaagaag cagcctcctg ccccccaccc tgacactttc ttagtccaac ttcaggtctg 240

tctcatgatt ctttggcttg ctcccaaact acttcaggat gaagaaaccc aaacaccagt 300

cccgaattca ccattgagaa atatcgccag tgaaccccca tcacccccag acagtctgtt 360

cacctcaagt cctcccaagt tgagttccac tgggcagggc tcctacatac accctccaat 420

aatgggaaac tcaatacaca gccatttccc cacaatttct tttat 465

<210> 9195
<211> 239
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<400> 9195
ttcccaaaat gcttgctcag aagtcaggca acattatcaa catgtcgtct gtggcctcca 60

gcatcaaagg ggtggagaac agatgtgtgt acnagtgcta ccaaggcggn tgtgatcggt 120

ctcaccaagt ccgtggctgc agacttcatc caacagggca tcagatgcaa ctgtgtgtgt 180

ccaggaacgg ttgacacccc atctctgcaa gaaagaatac aagccagaga caatcccaa 239

<210> 9196
<211> 484
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<400> 9196
tggagagttt atcgctgtgt tcttcagaag ttaggtgtca aagcagctca ggagatctta 60

cagatntcat tcaaggtggg aaagaagtgc cccgagactg ctaaattaag ctgccctggt 120

taaattcccc tctgctctgg ttttgaattc tctcagctaa gaaaccctct gcagctggag 180

agtcgctctg tgatagagtg attttggagc ccacgcagtg ccttgggttt gatctctaga 240

gccagaagaa aacaaaaaca aaaacaaaaa caaaacaaga cctctctaca taaagtgcag 300

gaggaaaatt cacccatttc cccatccccc acccgatatc catttgaagg atatcttagt 360

tttgaaagat tgtcttagtt ttaaatccgg cagccatggc agctctcaga ctgatgaaag 420

ggaggctggc aagcaagcag ggaagagagc aggctcaggt agaaatttcc ctgcacggcg 480

ctga 484

<210> 9197
<211> 481
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(364)
<223> n is a, c, g, or t

<400> 9197
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acctctgtga aactgccata ctccaaagtc actntcaacc tcggcactga tatcccctcc 120

gccatgcagc cccaaccctg agcaaactca gggctgtgaa gattgccatt tccgcatagt 180

ggcaatgcac tgcacgcagg cccgttcttc tgctagcttc tccacatcca atgaaattct 240

ttatttcttt gccaatatct tatcagcagg ttatctattt cccgtggtgt gggttcatta 300

atctaatttg actcatatct ctagcttctt tcagtaaata gatcactgat ttttttttt 360

ttnnggtctg tcagtatgaa cttatggtac tagaaaaatt acctttcttc ttcctgtatt 420

tgaaacaaca aaatgttaaa cccttgatgc ttctctgcca catccttagc ctatattcat 480

t 481

<210> 9198
<211> 391
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<400> 9198
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catttgaaca aagaaaagct ggtagccttc agcttcctaa gtctgaacgg tgtcaccaac 120

cacagcccaa agctgcagac tttaggaggt gtccaaagaa ttagaaagaa aacagtttna 180

caaagatcaa aggccactca aggtaaaggt ggctgccccc aagagagata caggaattgt 240

caggtcttga ngnttttggt actgtgctta tatgtgggat tgcttttact ctctgtcaga 300

agagtccagg tttttcaagg atatcagcaa aacaatcttg gtttattatt gtgattcata 360

ttatgcctca gggacatttc acttggatga t 391

<210> 9199
<211> 449
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<400> 9199
aggactacac cattcatgat actgtaggtg tgtaacactc agccaatatt tgatctgggc 60

tctcagtttc atattgcatg catcccttca tttaattaac ttgtaaataa caacacttcg 120

tggcagctaa gcaaatattt taataagcca tgaaagncna gatataagaa ctctgtactt 180

tcaggtattt agaaaaaaaa aatgtacttg ccataagtta aagcagagtt gccatttgaa 240

atttccttcc cttaaaaata tgctgtaaca ccatgtgttc attgttgtct tttcancctt 300

atanatatat gatgtgacta ctacatcttt gtgaaatttt gtttaacaat taatggtttt 360

aacaatctga acaacaattc aaggcagaag taaatgcata aggaatttga gcctgtttgt 420

aagaagtcta ctccttatgt tatatttac 449

<210> 9200
<211> 444

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<400> 9200
acatgcacta cctcatttaa tccagaacag aatcncnaag atattctgat gattaatctc 60

cattttaaa taaagaaata gagccttgaa aagctgattt attgctttag aagggagctc 120

aggcttagat cttgaattag gtctttgggc tgttacccct gttcctaatc actacaaaat 180

cccatcctgc tgcctttcct tccttgtttt tacacaccca cacccacacc cacacacatg 240

ggggcagtac atgagatcat tcacatgtga aacacttagg atactcatat ttgaggtttt 300

tatttaactt gnccaatcag gaccagaaaa atgggctgga acttgggtct cattccaaat 360

cagtgtttat cctgttatac aatggaactc tgcaagtttc tcttgattgt tcttgctaag 420

agagattctc cactaaattc ctat 444

<210> 9201
<211> 411
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (178)..(178)
<223> n is a, c, g, or t

<400> 9201
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atgctttcac acagtattta aaaacaagta tgagcaaaat gttttataac ttgctcagaa 120

catcagaaaa tacaatgcat gtcatgcaaa gtctgagctt tctctcatct gttcagantt 180

ttttttttc aggatagttt agaaaaaatt cagaatttgt atagtgtctg tttgtatatt 240

tacagattcc atgtatttca aaatcagttg tagctttcga ttaatagatc actgctgggt 300

tatttctatt tatagttctt ggaaagatta agtgctacag tttcatacta ctgaggaagt 360

caataaaaat tcgcaaacat gtaaatgaca ctcaaaggtg tacttttcca a 411

<210> 9202
<211> 437
<212> DNA
<213> Mus musculus

<400> 9202
taggagaact tgttactctt cccaaggacc tgtgttcaat tcccagcacc taagttgagt 60

agcttataac tgcccataat ggtagctctc gaggtaatct gatatctttt tgtgaccttc 120

cttgacattc acattcctgt gcacatactt gcacatagat gcatatacat aataaataat 180

taaaacattt taagtggaaa aagtctatgc atatccagaa gttaagaatc gcatatacaa 240

agtttaataa aggggaagtc gggaagtcat gctttattga aagctgtgag gtcagacagt 300

atattttaaa cgaaccctga aagaacatat catttacagc agagatcatt agccatagag 360

tcttacaaat tatccaaaga actcatccag gtcacatatg caagcttaag tcacaccctc 420

agatgcaagc actatat 437

<210> 9203
<211> 415
<212> DNA
<213> Mus musculus

<400> 9203
ggaacaattg gccagttgtg aactgttcat tttcttcact gctcttatgc aaaaatttac 60

attcaagtcc ccaatcaatg agaagccgag cctgaagttc agaatgggcc taacacttgc 120

cccagtcagc taccggatct gtgcggtccc tagattgtga tgctggagca aaaaggaaga 180

aaaagaacaa gaagaattgg agtatgccct gaagattctt ggccttgctc acataaaagg 240

agaaaggcat aacagaatga aggagattca agaaatactg aagaaattag gctaagaaat 300

tgaatcaaat atctggattc ctggtgccta aatttggcag tgagaaaaat cagttatgat 360

ctcaatggca taactttcca tttaaaagtt tcaaggagaa tggtactttt tccct 415

<210> 9204
<211> 431
<212> DNA
<213> Mus musculus

<400> 9204

gaggcccacc aaacggagac gtcatccagc agccatgaga ctggttctga gaacatctga 60

ctgggatctc aagacaagcc caccagctca gagatttaag agaagacctc acaaggctaa 120

aaacactttc taaggaatgg cagaagtgtt tgttcctcca aacacatgga tcaatgcaag 180

gatgtgctaa atcaaaagga atctggcaaa ctgaacactg gtaaagaaac cgaacaaggc 240

tgggacagct caccacagaa attagagacc tgtgagttgt aggaaggaga attcaaaatg 300

ctcacattac agaagctcaa tgaggtggaa gggaacacac ttaagaagaa aagtaaagga 360

attggatggg aaaataaaca tatttatcct tcaataaaat ataaacattt tttccagaga 420

caatcatagg c 431

<210> 9205
<211> 552
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (523)..(523)
<223> n is a, c, g, or t

<400> 9205
tatgagcagt gttcagagtc caagtaggtg gtatagatgg ttcaatctaa aagggtctga 60

gaacctgtgg ccatctgtag cagaaatggc taggacatag catggagtag tcattgtagt 120

tcaggcccca agaagactgc cccagagagc cacacagcat agggaagtac ctctgccatg 180

cttagatacg tgggagtaga tcctctgtta agtagatgat cactcaaaat agacaggagg 240

ggaggaagca gagggaaggg cacaggggag agggtagcga gcaggcaggc atggcggcat 300

cctggaacta cagaggtggc agggaatttg agttagatag ttctcagtaa aaagtttagc 360

naagtatctt ttctaaatag tatgtttggt ccacaggatt actgccagaa aaaaaaaata 420

ataaaggcat gttattccnc atagctgacc cccagtgagc gagcaacaga aattaagagt 480

cctatagttt gtntctgagg aggggaccca cttcagggct ctntgatggg taagcctcaa 540

atcttgtact tt 552

<210> 9206
<211> 215
<212> DNA
<213> Mus musculus

<400> 9206
ccggttttct caagatgcac tcgagtgata ctgcattgac cagctgaaca tctggaccaa 60

tatgctggag ccatatcgcc agaacagagc ccatgatgtc ttcagcatac agctcccatg 120

tggtctcaga ggcagtccct ggatggcatt tacttcccat gcttgtttgt cttgaggttc 180

ttaaacctaa catttactct ggagctttct ttcca 215

<210> 9207
<211> 288
<212> DNA
<213> Rattus norvegicus

<400> 9207
caaagtggca catgtcttca atcccagtac ttgggaggtg gaagcagggg aatatctatg 60

agttcagggc cagactggat tccagagtga gtttcaggtc agctgtagtt gcacagttag 120

tccttgtctc ggaaaaataa gtcttcatat gagtttctaa aatgaagttc tgaaaacacc 180

actaagttgg gaaaccttcg ctgaggctgt agatgtttgt tccgtgatgg ccctgggtta 240

agcactcttg gtattgtatt gtagaactca aattcctcac tgcaaagc 288

<210> 9208
<211> 507
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(58)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(67)
<223> n is a, c, g, or t

<400> 9208
atctatgcta atatccctga ccttccaagt tcctacatac cttcccgatt aanaaannaa 60

anaaannaag agtcagatga tgaacaaaac agaaaagctt tgtatgccat ggaaattaaa 120

gttgaaaaag atttgaagac tggagagagc gtggttctgt cttcaatacc tctcccatcc 180

gatgacttta aaagcacagg aataaaggtg tatgaggacc ggcagaaatc agtctacgca 240

gtcagctcca atcagaacac agcctacaat ggcactgatg gcctcgcacc agtcgaagtg 300

gaagatctcc tgagacaagc ctccgagagg aactctaaat cacccacaga gtaccatgag 360

cccgtgtatg ccaatccgtt ttgcaggcct atgaccccac agagagaaag agtaataagc 420

cctggaccaa attctcaaga aaggatggta atgatgaaag ctaacggact ggaccaccat 480

gaaagcgaat ctgtgcacgg tatgacc 507

<210> 9209
<211> 298
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (152)..(160)
<223> n is a, c, g, or t

<400> 9209
tcagactgcc aactgtgtca cagacctccc tgccttatcc catgggggct ttacttataa 60

ataagtgtcc ccaagatgga cagtctagcc aagagctggg gaatagagca tcagctgggc 120

tgtgcacagg gcaacctggt ttcttctgtt cnnnnnnnnn tgatgtcccc tctcatgctg 180

ccctccttgt ctctccctcc ctgcttggag catcctgagc ccatggatgc ctaacacaca 240

gggacattga gttttgttgg tcgtgcctgt gctgagttcc tgctttggga gaagacta 298

<210> 9210
<211> 502
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<400> 9210
agatcatctt ggagtccttc agggccctga ctgaattctt cagaatggaa gagagaatga 60

aagggctgag caggcgcagg acttcatttt taggggggccg gcgtcgctgg gggggcctgc 120

agaagcgaga ggtttcccct tcttccaatc tggaggagat cttcgactgg aagcgttctt 180

acacgaggtg agaggtgagg cttacntang gaagaccctg gacctgcgag atagatccca 240

cagtatcaca gcgaaggggg agggggggacc tgcacccctc tcttaaagtg gagaaagaac 300

ttccaccctg aacgtactac ctaaagaaga attgccctgg ctctgagaaa cattgcacat 360

cctgctcggc ccctggccac tgtcttctgt catcaagtca caagcaaagc agcacatgca 420

ttgtggttca ccaacagtct gtaactcctg ttccacagga cccgatgcct tcttctgaat 480

tcttcaggca ccagggatgc at 502

<210> 9211
<211> 285
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (68)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<400> 9211
tactgtctgt aaatgcatct gcccttggta tgtcacttta taaacttggt cctattaatg 60

tatacatnng tgtatgtata tgtgtatatg tacatatata tacacatgtg tgtatatata 120

cacatatata tacatatata tatatattgc tacnacaaaa tatttgacca aagtaggcct 180

acagctattt caactaatag tttccagaaa gagctgtgga agatttactg gaaattaaga 240

acttgctgct gttaaataag actttgtata tttctggtct gcagg 285

<210> 9212
<211> 216
<212> DNA
<213> Rattus norvegicus

<400> 9212
aacagtgagt ggtgtcttag atcaacctga tacaagctaa agtcatgaga ggagacaacc 60

ccaattgaga aaatgctccc ataaggccag gctgcagaca gtctgtaaga cattttctta 120

attaatgatt ggtgggaaat agcccagccc attgtgggcg gggccaccca aagcaggctc 180

agcagatcac caagagcaag ccaacaagca gcatcc 216

<210> 9213
<211> 510
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<400> 9213
gggtctttc atgcatcagt gtgtgttggg ggaacagtga gaaagagacc antggtagct 60

ggtgggggac cagatttggg gaatctgtga cggtttctgg gatggaaana caggatctcc 120

tggcttctct cttcctctag ttctgagcta gagaaggcaa ggccaagagt ttacatcaga 180

atttctccac cttttgtttg tttgtntgnt tttgtttttt gnttttgttt ttgtttttgt 240

ttttgttcnt gtttttgtta atgccttcct caggtctcca cccctgtttc ccttaaaaca 300

aggtattatg tagccgaggc cagccttgac cggaactctg tatacccaag tctagccatg 360

aactcttgac cctctggcct tcacctcctg agttctggga atatgggcgt gtaacgctat 420

tcccagttta tatgtggtgc tggggttcga acctagggcc ctgtgcatgc taggagatat 480

ctataactaa tttaaatcca cagctcccca 510

<210> 9214
<211> 462
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<400> 9214
aggccagctt ctgcttggag gacactgagt gtgagggaga cattcagaag agttangagt 60

gtgccaactt cggagaacaa ggcatcacca tgggctgctg ggacatgtat cgtcatgaca 120

ttgactgcca gtggatagac atcaccgatg tgccccctgg agactacctg tttcaggttg 180

tcattaaccc caactatgag gtgccagaat cagatttctc taacaacatc atgaagtgca 240

ggagccgcta tgatggctac cgcatctgga tgtacaattg tcacgtaggt ggagccttca 300

gtgaggagac agaacagaag ttcgaacact tcagtggact cctaaataat cagctctctg 360

tgcagtaaag acgactctgg gccaggcatg atggctcatg cctgtaatcc ccgcactcag 420

gcaggaggat tgccacaaga ttttcactct ggacactaga cc 462

<210> 9215
<211> 228
<212> DNA
<213> Rattus norvegicus

<400> 9215
gaacagcacc tttctggagg agtacatgtc cgtgaagtcc ctggaggtga tcggccgagc 60

caacatcaca gtgaaatcct ccattaagaa cttgctgctc agagatgcat ccacagtgat 120

cccagtgatg gtatacttgg acccggtggc tgtggttgca gaaggagtcc cctggtgggt 180

catcctcctg gcggtgctgg ctgggctgct agtactggcc ctgctggt 228

<210> 9216
<211> 588
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(356)
<223> n is a, c, g, or t

<400> 9216
aaggcctacg tcacatggat cacgctcgcc gtctacattg taccggtcat cgtgctggcc 60

gcctgctacg gcctcatcag cttcaagatc tggcagaatc tgagactcaa gacggcagcg 120

gcggcggcgg ctgccgaggg gaatgacgcg gcgggtggag ctgggcgtgc ggcgttggca 180

cgggtcagta gtgtcaagct tatctccaag gccaaaatcc gcacggtgaa gatgaccttc 240

atcatcgtac tggccttcat cgtgtgctgg acacctttct tcttcgtgca gatgtggagc 300

gtttgggacg tcaatgcgcc caaggaagnt nntgnnnncn nnnnngnnan nnnnnnggcc 360

agcctcaaca gctgctgcaa cccgtggatc tacatgctct tcacaggtca cctcttccac 420

gaactcgtgc agcgcttctt ctgctgctct gctcgttacc tgaagggcag ccggcccggc 480

gagacgagtg tcagcaagaa gagcaactca tccacctttg tcctgagccg tcgcagctca 540

agccagagga gctgctctca gccatcttca gcatgagcca taggcctg 588

<210> 9227
<211> 496
<212> DNA
<213> Rattus norvegicus

<400> 9217
gactgtacag ggacatgcgg atgctgggga agataagttt gagatcaact ttttaacgga 60

cgcgggagac atcgccttcc atgtcaaacc tcgattctcc agcgccacgg tggtgggcaa 120

tgccttccag ggagggcggt ggggacagga ggaggtgtcc agcgtgttcc cgctgacctt 180

gggagagccc tttgaggtgg aggtgagtgc agacacagaa cactttcaca tttacgccca 240

ggaacaaaag gtgctccagt tcccacatcg gcacagaccg ctagctacca tcaccagagt 300

gcgagtgctc agtgaccatc ggctggccca ggtggagctg gccaagcggg gcctgagctg 360

gggggatggg ggctactgag tggactggac cacacagcct acaagagcca gccttggcca 420

tcctgtatcc cctgccacct ggagccacat gccacgcatt gcagatgctg ggaagctgag 480

gctctgtatg aacccc 496

<210> 9218
<211> 480
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<400> 9218
agcaacaagt tgtctgtcac acccagcgcc ttcagtaatg gcgtacctct gctcagccag 60

tatttaaaat gtgtttgtgt ttgctcattt gctttttctg aggattggaa gatgtaggtt 120

ctgtgtcgac tgggtctnac cagtggtatt aaaatcatnt gctatttagc ctcatcatga 180

atgagcaatg ggatcaattc aactaattca agaaaccaaa ctagttagcg ctaaaaagac 240

tgtttccaca ccataggcaa tcacctcata atttgcaaaa tataagcata tgcctactgt 300

attcgagggt tttcccaatc agaacgtgtt ggtctatacc agtgagtgtg tgttagcggt 360

gaaatgtgag ggttttcagg aagtctttta cctgtacaag aaggttgcac atgtttaata 420

acaatcagaa acagaaaatc tcctttaaac cacacactgc atgaccctct ctgataattc 480

<210> 9219
<211> 346
<212> DNA
<213> Rattus norvegicus

<400> 9219
gaaggtccag agctctcaag cctgtctttc acctctgtgg atgcaatgtc aattacctgt 60

ttttcagcca gcggcaccca gggcacttac acccccacga atactagaat ataaacaccc 120

tgggcagagg ctatcttttt ccttgtatct tgagcttaga ataaagtcta gcctgggtgc 180

tagtaagtat ctatagagtg agggctggtg ggatggttca gtgggtaagg atgctgctgc 240

caaggccgat gacctgaatt tgatgcctgg aacctacatg gtggaaggag agagtggact 300

cctgcaagct gtcttctccc ttccacatgt gcactgaggc tcgtgt 346

<210> 9220
<211> 265
<212> DNA
<213> Rattus norvegicus

<400> 9220
aaacttacca tgaatctggc agaaaactca aggccacact agctacatat agtttactat 60

tctgatgtaa gtagaactat ctgcatataa tgtgatttaa tttattgttg ttctgtgtag 120

aaagcaagga ttaatgattg tggatataac cctgttttgt ataatatatt tgatttctgg 180

tgcaaaattg gtcatttaag caatctactt catttggtgt ttggatataa atgtgtatgt 240

gttcttgtaa aggttcatat tcagc 265

<210> 9221
<211> 315
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<400> 9221
aataggtcct ttgaagccaa tgcaaaatca cattgaaggg gttttattca ttggagcaca 60

cagaaaaggc acttgtgcag tttctgtagt atttctctct ttgaccaaca atntgcagtt 120

gtggagaatc aaaccagtag atcagcctga ctgaagagtt aggtaaaacg gtggtaataa 180

gcccttgtta acgtgaaatt gggcatggct tattgaatca catcaccaca aaacatatca 240

agctataatc aagtcaataa ttcttttcaa tcaaatgatg aggacatatt gcaatgcggg 300

ttcgtttgtt attaa 315

<210> 9222
<211> 283
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<400> 9222
ttaatggtca cttactgacc cctggtggga ataccgattg ccacctcctt gctagccaga 60

tccagctgag aagaaaggtg ctcattcatt cccttagggg cagggctctg gcacatagct 120

atccaaactt gatganaagc tttgagcagc ttaccctatc caagctttgg tatatcccaa 180

gtgtgacatc accatgctct gcatagatgg gccattttct tctgggaaca cggcaggtat 240

gaactcaaca actgcagagg tggtcaagct gaattccatt ctt 283

<210> 9223
<211> 242
<212> DNA
<213> Rattus norvegicus

<400> 9223
acagctttaa ggataagaat ggccaagctg gggaaaaagg tgatctgaga gccattgtgc 60

ccaccagagt aacctctgaa gaagaagcca agaaatgcct gaaaacgtct cttctgaata 120

ctttgatttc ttgttcttaa agtccaaaac tatataatta tacccgtagt aagccacata 180

aataaatagt agtcattatt tgtggggaga aaatccccac cccaaaaaag ctgaggacga 240

ca 242

<210> 9224
<211> 514
<212> DNA
<213> Rattus norvegicus

<220>

<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<400> 9224
aaactcgtgt caatagtctg tgggttttat gccaactcag tggagtgata nttatatatt 60

atttctagtt ccctctcaat gtcttatatt aagattgatg tattagttgc attgttggtt 120

aatctttctt ggcgtttaag agaagtgacg tcaccttgcc tttagataga tgttaatatc 180

acctatttgt ctaggaatag gcccgctcag tggaactgtc agattaaaga tatgctttat 240

taattgaaac tctgtacagc tgtaagttta aaagaagact tattttgtat gtctgttgaa 300

gctctgattt tggtaaattg tgaaggaaca atggatgggc ggacttctgg gaatttgttc 360

agtggtcaag ggaacccaag gacaacacca gccaggccac tctagatgca tggttctgaa 420

catttaggtg cctgttattt tactgtgtat attttacttt aaatatatta acttttgtg 480

gattcattta aagtctgctc atacgcaaca ctgt 514

<210> 9225
<211> 387
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (112)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (122)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(230)
<223> n is a, c, g, or t

<400> 9225
agactgattt gcatactcgt gtatatattt acaaacagtt ggcccttgct aagaagaaaa 60

cctcattata tatagaattt gtgaataaac aggttgaaat tatttacaga annnnnnaaa 120

annanaaggt attaagaact tattgcatct gtgccagaga cgtactgttg tttagaaagt 180

ccaagccgag taaataacgg ctgccttctc gcatctcagc ttaggtgcnn atgctcttcc 240

agggctgaag cggaggggag gggaccattg tgacagccga gtgtccactg actctcttat 300

gatggctgct tagcatccca ctggctgttc agaaaggctt tctcacataa ctcttgtact 360

tagacaggca agttcccaga tacttta 387

<210> 9226
<211> 532
<212> DNA
<213> Rattus norvegicus

<400> 9226
tgtaccccag taccacgcag tgaagatcct tcgggaagac cggcagcagt tcaaggagga 60

gaagacaggc accattcaga ggagtaactg gggcaattcc cagtgggagg gctccgacgc 120

acaccctatc ctggctgccg actggcaccc tgagttgggt cctgatcgac atcctgtgtc 180

agtcactgcc taacttctcc tgtcccaagc cagcctctgg gttccttcca ccctttccca 240

agatggctct ttgggggtgg agatagtgga gtaggttgct ggcttcatgt tgaaataagg 300

caggttctgc tttctcaggg gcacagatct ttcccaccgt gagaaccacc ccttcccatc 360

ttctccgtac aatgctgtga gacacggggc atggctggaa ggacaggcat gacctggtgc 420

aggatggaga agaaggggta ctgagctgcc tctctcaccc accctgtaag accgtcttcc 480

ccaaagtgcc ttagacagag ggtcagggaa gagatcgtgt cactgtctca gg 532

<210> 9227
<211> 553
<212> DNA
<213> Rattus norvegicus

<400> 9227
gttctgtgag acgaccattg gctgcaagga ccctgctcag ggacagctcc tgaaggacct 60

gatgcaaaca cccaacttcc gcatcaccgt ggtacaagag gtggacacag tggagatctg 120

tggggccttg aagaatatag tggctgttgg ggctggcttc tgtgacgggc ttggcttcgg 180

tgacaacacc aaggcggcag tgatccggct ggggctcatg gagatgatcg cctctgccaa 240

gctcttctgc agtggctctg tgtcctccgc caccttcctg gagagctgtg gggtcgctga 300

cctcatcacg acctgctacg gggggcggaa ccgcaaggtg gcagaggcct ttgctcgcac 360

cggaaagtcc attgagcagc tggagaaaga gatgctgaac gggcagaagc tacaggggcc 420

ccagacagcc cgggagctgc acagcatcct ccaacacaag ggcctcgtgg acaagtttcc 480

cttgttcacc gcggtgtaca aagtgtgcta tgagggccag ccagtgggtg agatcatccg 540

ctgtctgcag aac 553

<210> 9228
<211> 523
<212> DNA
<213> Rattus norvegicus

<400> 9228
acgttctggc tttgcatgaa gtgctcagag ctggctacag caagaaggat ggggggaaaa 60

tcatccagca gacttggaac aggacatttg aaggtatcgc cgggcaggtg tccatagatg 120

ctaatgggga tcggtatgga gacttctctg tggttgccat gactgataca gaagcaggta 180

cccaggaggt cattggtgat tactttggaa aagaaggccg gttcaaaatg cgatccaatg 240

tcaaatatcc ttggggctct ttgaaattga gaatagatga aaccagaatt gtggagcaca 300

ccaacagctc tccttgcaaa tcatgtggcc tagaagaatc agcagtgaca ggaattgttg 360

tgggggccct actaggtgct ggtttgctaa tggccttcta ctttttcagg aagaaataca 420

gaataaccat tgagaggcga aatcaccaag aagaaagcaa cattgggaaa catcgagagc 480

tgcgggaaga ttccatcaga tcacattttt cggtggctta aaa 523

<210> 9229
<211> 514
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (452)..(452)
<223> n is a, c, g, or t

<400> 9229
gtgggcaaga cgtctcaggt cacgctctat gtctttgaaa aagtgcccac taggtatggg 60

gtggtgttgg gagccgtgat cggtggcatc ctcggggtgg tgctgttgct gctgttgctc 120

ttctacctga tccggtactg ctggctgcgc aggcaggctg ccctgcagag gaggctcagt 180

gccatggaga aggggaaatt tcacaagtct tctaaggact cctcgaagcg cgggcggcag 240

acgccagtgc tgtatgccat gctggaccac agccgaagca ccaaagctgc cagtgagaag 300

aaatctaaag ggctggggga gtctcgcaag gataagaaat agcggttagc gggccgggcg 360

gggggtcggg ggtctgcgat ggagtcttcc aaaggctctc aggtggtggt catcgagatg 420

gagcttcgca aagatgagca gagctcggag cnccggcctg cagtcaaatc ccccagtaga 480

accagcctca agaacgccct caagaacatg atgg 514

<210> 9230
<211> 510
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<400> 9230
aaccccacta ctgattttct gaactgcctc ttctgagcca gagtaccctc cgtcttagag 60

ggagaacccg atgtggatct gtgttgtgta taatctgact ctttccaaag tgctcccacg 120

ggagaccaga gctgatactc tgacaggcat acttgtgaaa acacaaagac cactgagacc 180

tcttctttga ctaggacaaa gaataataag gaagacgaag gatagcttca tctgtcaaac 240

tacnttttt tttccttaga aaaggcataa atgtatggag ttcgattatt tcggggaata 300

actcaaaacc tgcattgtga catccgatct ctggagcatg ctatggtatg ccaagcaccc 360

aagcacactg tgttcactct tacagacgag ataattgcta aaatcctctt gagtcacaag 420

gtcggtgatc gtacttgaaa accagcccag ttcaccctat gtttacacgg gaagagtttt 480

cctttgatag caatttgact tttgacccaa 510

<210> 9231
<211> 522
<212> DNA
<213> Rattus norvegicus

<400> 9231
ccagacctcc atacagtata gacttataac tcagagctga tgaagcccca cccctgcctc 60

tccacccctc caccaggccc tttggtgcta tccctttcca tagttaagca ctggatacct 120

cctggtccct ggctaggacc tttccctctc attcctattc tttctttgag taaagaggta 180

aacaagatca acgtgggacg ccctcccctg agacgcgcct tccttctgct tccttgaccc 240

agctccgcac aattccctct ccccactctg ccccattccc atgtccccaa gccttctggg 300

gaccaagatg ttgggcacaa atcaggatcc taaatggtgc tgccctgctc gtaactggga 360

actgtatgaa atggggaatg aatggtttgt ggtctattta atctgcttcc ttctgaagga 420

agtctgggat atgatgagag attccagaag ggtctctact ctccctcccc tgtgctgccc 480

tcctcccaag gacacagggc aaaactgcca tctcaagaat aa 522

<210> 9232
<211> 463
<212> DNA
<213> Rattus norvegicus

<400> 9232
ggacattgaa atctgttgct ggcattgagt tgtgccagga ggtcagacac ccctttggct 60

ttgcatgcta tgcagggctg tacctgcctc actcttgctt ggcagccaag tgtcccctgg 120

ccttcccaca tccccaagag ctcttgccca cagaccagaa gatgctcttg gcatctcaac 180

cttggctctt tgggtcccaa ctctgagtca gagggtctag cagaggatgg tcagaaatga 240

gtcctttggg gttaattctc tctcaccaac tttcaaagac atggctgaca ttcccaaccc 300

catcaccctc ttgcaccctg ggccttggca ttaggcagag ctgttgtttt aaatgccaac 360

actggtttcc ccccatatcc tcccaacaag tagtgttggt taatgaacac ttctggctcc 420

aagacaatcc atcttcctga aagcacagcg tcttcaaaga gta 463

<210> 9233
<211> 446
<212> DNA
<213> Rattus norvegicus

<400> 9233
gaccctgcta actttcagtt ctttagccac tgtctgctgg tgactcttgc ccggcactat 60

cccggagact tcagcccgga gatgcatgcc tccttggaca agtttctggg tcacgtgact 120

tcggcactgg tctccaagga tcgctgaact gaggatacac agcggtgtag tctttgcccc 180

tgcccttctt cgaattcaca atatttgagt aaacctcccc gggactgcat tgctgtcttg 240

tatgcagagt tgcacaggag aaagataccc cacacgcagt atcaaacaaa aggttccaag 300

agactggaat tacagctaaa ctagtgtgga aaacctcata ggaaagtcag cttcccttgt 360

ttttgttgtt ttaattcatt tttgcctttg agatacattt tatgctctat gtaatccagg 420

ctggcctctc aaatccatcg tacaaa 446

<210> 9234
<211> 382
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (228)..(228)

<223> n is a, c, g, or t

<400> 9234
aggagaagct acaacgtgac cccacctccc attgaggagt ctcatccctt cttccatgag 60

atctacaatg accggaggta caaagtgtgc gacgtgccct tggatcaact gccacgttca 120

gaaagcttga aggatgttct ggaaagactt cttccctact ggaaggaaag gatttctccg 180

gaaatcttga agggcaaaac cgttctgata tctgctcatg ggaatagnag tagagccctc 240

ctgaaacatc tagaaggtat ctcagacgag gatatcatca acatcactct gcccactgga 300

gttccgattc tgctggagtt ggatgagaac ctgcgtgcca ttaggcctca ccagttcttg 360

ggcaaccagg aggccatcca gg 382

<210> 9235
<211> 274
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<400> 9235
atggctctct ggtatggtcc cttttccttt cttgagattg catatgtttt cttcagaata 60

caacagtgat tcttaaaata actcaaatga aagacaccca tagtgtgcga gcatgaatca 120

cagcctgcac tgtgtgagca tgaatagtgg gataaaaagt ggatgtcaaa agagtggaaa 180

tcaaacctnt gaaaagctct ttctctctgt gaaatgtgtt aagaaanacc tgaagtctgt 240

gtctgtggtg gtacccagac tgtcaatcaa taag 274

<210> 9236
<211> 182
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<400> 9236
gaaacattat catcatcaag tcatcaggat catctacagg accagctgct cagttcanac 60

ctagggaata caaacggctc cctanaattc cgcgcaaaca tttctccagt gtgatagaga 120

ctagtctaca tctttacgga cctccaggtc tttgagagac cagcctcccg aataaaacta 180

at 182

<210> 9237
<211> 168
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<400> 9237
agagactgat ctgtccccgc caatagaaat taatctttga tccctgggct gatggcttag 60

cttgcactct cccaaacact aaacctnagc tttctccatg gaacccattg agtgatggat 120

ggnaaaactc taagagccaa caaatagagg gtgaagtaag tcagcctg 168

<210> 9238
<211> 218
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (50)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<400> 9238
gactactttt gaactctacc caatcagttt caaatttaga cccgaccacn nntgccantg 60

taccccaatn aagtgtaanc caagggttgt gcttggatgc tgaagtggcc ttagcaactg 120

ggcagttcct tgccccaaac agtcaccagt ccagcactgc agcctntcag ttttcggagt 180

cccgaggtga gacccccctgt tcattcaacg atgaagag 218

<210> 9239
<211> 324
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<400> 9239
tatgccacag ttgtcttccc gggaaggggc aaaggtgaaa aagcctccgg tgagccggct 60

caggatctnc caaacagaca aactccaccc agtaaatgat actccttagn ttatactctt 120

gggatcaccc ctggagaatt ctcggcagcc tgtccaacta gctctgcctt ttatgcccag 180

agtatgtcag caaccggtga ctcgggggct ctgatctagt atcttggttt ggtggacata 240

ggaagtggtg ctcagttatg attgaggtgt ttgggggaag aattctttcc tgctgcttcc 300

tggtgctgga tctgctgtca ttac 324

<210> 9240
<211> 405
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<400> 9240
tcggctccgg tcgatgacag tgagaagcat gctttccact gntctccctg atcccgtttg 60

ccacccagga tgtctgtgag tgagagtgca gtgtttgcct acgagtcctc tgtgcacagc 120

accaacgtct tgctcagcct caatgaccag cggaagaagg atgtgctgtg cgatgtcact 180

gtcctggtgg agggccagca gttccgagcc caccgctcgg tgctggctgc atgcagcagc 240

tacttccact cgcgaatcgt aggccaaact gatgccgagc tcaccatcac actgccggaa 300

gagtttcctg cactgtggga tgagagaagt ggtgtgctgt ctcagcctgt gagaggacgg 360

cttagcaggg aaaggcactt gctaccaagc tgttgatctg ggttc 405

<210> 9241
<211> 398
<212> DNA
<213> Rattus norvegicus

<400> 9241
caatacgtgg attctcagtg gagcctggcc agctttactg tgcctgctga gtcagcctgc 60

atctgcgcct ttggtcgaaa tacttccaaa aacgtcaatt ctgtaatcgc catctgcgta 120

gatgggacct tccacaaata tgtcttcact cctgatggaa actgcaacag agaggccttt 180

gacgtgtacc ttgacatctg tgatgacgat gacttttaag agtcctggca gctatactag 240

gaacctacag tagccgatgg ccgaactgag tcttgagggt gttgaaccag ccagcaagca 300

taaaaatgag cctttccact ctccattcaa acacagctgt gtctaaataa acagccaaca 360

tccccccaag cacttttgtg actgcgtgct aaaggcca 398

<210> 9242
<211> 320
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<400> 9242
gttgcgccaa ccactgagcg gccttngcag ccgcgatgcc acctttaatc gatcataaat 60

cggcgcgatt tttcgattga gctctgacca ttgagctgcc gcacccctc cccagcccca 120

cccctcgctt cagggcccgg atgccatctt tttaagtcag caatcagggg gggcggccgg 180

cgctctaacc actgagccgc cttgctcccc ggccacgatg ggggccagcc atcctttatc 240

agtcacagat ccgcgtgact gttcgaccgg gctctgacca ctgagccgtc ccatcgatcg 300

atcgctagag attcccaaag 320

<210> 9243
<211> 461
<212> DNA
<213> Rattus norvegicus

<400> 9243
aagactattc caactggcca accatcccgc aagtgtacct caatggcgag tttgtggggg 60

gctgtgacat ccttctgcag atgcaccaga atggggacct agtggaagaa ctgaaaaagc 120

tgggaatccg ctctgccctg atagatgaga aggaccaaga ctccaagtga gggccccggg 180

tcctcgccgg gcgggcagag cgccctcccc gtcgtcaggg ccagaaaagc ctcactgcgt 240

ggtggtgtcc tgttgctgtg gcgcttgcac tgggtctcct ggcctgcaag cgggcagggt 300

gcttttactt tagtctttgg ctcagaatcc cctctggtga actcaccacc actgcactgt 360

aaatcaacgt cgtgatcctg tattgctgta acccaatcgt tcttacgttg actttactct 420

gccagcttcg ggagtcagtc ctgatcttgt acgtggtttg g 461

<210> 9244
<211> 544
<212> DNA
<213> Rattus norvegicus

<400> 9244
ctattatctt tgttgccttt tgctttgtgg gtgtcgctgg tttttcttgc atggtttgga 60

gctgatcact taaccctggg taccagcagg ttcacagcgc tcaggctgca gtctgcaggc 120

tcacagcgct caggctgcag tctgcaggca cacagcgctc aggctgcagt ctgcaggcac 180

acagcgctca ggctgcagtc tgcaggcacg gtccttaggc tgcagtctgc aggcacacag 240

cgctcaggct gcagtctgca ggcacacagc gctcaggctg cagtctgcag gcacggtcct 300

taggctgcag tctgcaggca cacagcgctc aggctgcagt ctgcaggatg gctcaagctc 360

tttgctcaag accacacggg agctctacca actgtccagg tgtgaccagc tcatggaagc 420

taataggttt actttggtgg tgtttttaaa aaaaaaaaaa agaagaggaa gaaaatatat 480

ttttgtgaag taagacctgc ctattccagc cttttcccag gcaggaacct attgctgttt 540

taat 544

<210> 9245
<211> 485
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<400> 9245
aactaggtag ttgtcatggc ccagacgtga cctttggatg tctaagtcta acntaacttn 60

tgctcctccc gtttgattta acattgcaaa gtagtagcca gcagggtttg accaaggttg 120

ttttttgttt tagagacagg agagtaacag gatgaaattg tttatcactt aacaagtcat 180

cactgagtcc ccactggcag tcactgttcc aatgagcagg tcactgtttt attccacaat 240

agttcctgag aagagtgaac actactaggt agcacttggg cagtttacac cagaggccca 300

tcgaatggca gagtcatgga tgggcccttg ngaaggcatc cnagaaccac agtagtacaa 360

ggcccтttga tttcccccag cccactgcca tcctgtttgc cgtcagtaaa atcaacttca 420

gccagtgaga aggaccggga ttggcacagc cgtagccgtt tatgttcttc tgtttctctt 480

tgagc 485

<210> 9246
<211> 524
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<400> 9246
atcttggcca gctggattgg ttctactggg ttcctaatgc accctgcacc atgcggctgc 60

caccacccac caccaaggaa gcaacaatgg agaagctgat ggctacactg cccaacccta 120

atcagtntac tctccagata aatgtcgttt ggctcctggg cagacgccag gctgttatgg 180

tgcccctggg ccagcattca gaggaacact ttccaaaccc tgaggccaag gctgtgctga 240

agaagttcag agaggaactg gctgccttgg ataaggaaat tgagattcgt aataagagct 300

tggacatacc ttatgagtac ctgcggccca gcatggtgga aaacagcgtg gccatatgag 360

catccccaga ctcctgcttt gttgtttagt taagaccacc caagtacatc cctgtgcttg 420

agtggtggca gtcctgccct cccaagcccc gccctctgac cctcaaagcc ccacccccctg 480

cccatgtggg accctcctcc aagctgtcca ttgtctgctg caat 524

<210> 9247
<211> 449
<212> DNA
<213> Rattus norvegicus

<400> 9247
cgcccgccat gatgctaggt aacaaacgaa tggggctgtg tggactgacc ctcgctctat 60

ccctgctcgt gtgtttgggc attctggctg aggggtaccc ctccaagccg gacaatccgg 120

gcgaggacgc gccagcagag gacatggcca gatactactc cgctctgcga cactacatca 180

atctcatcac cagacagaga tatggcaaga gatccagccc tgagacactg atttcagatc 240

tcttaatgag agaaagcaca gaaaatgccc ccagaacaag gcttgaagac ccttccatgt 300

ggtgatggga aatgaaactt gctctcctga cttttcctag tttccccccа catctcatct 360

catcctgtga aaccagtctg cctgtcccac ccaatgcatg ccaccaccag gctggattcc 420

gacccatttc ccttgttgtc gttgtatat 449

<210> 9248
<211> 471
<212> DNA
<213> Rattus norvegicus

<400> 9248
atgactccca ggactttgca gtgctgaaag agggacccct cagtggctcc tacagattga 60

tccagtttca ctttcactgg ggctcatctg atggccaggg ctctgagcac accgtgaaca 120

aaaaaaaata tgctgcagag cttcacttgg ttcactggaa caccaaatat ggggattttg 180

gaaaagctgt gcagcaccca gatggactgg ctgttttggg tatttttttg aagattggac 240

ctgcctcaca aggccttcag aaaatcactg aagcactgca ttccattaaa acaaagggga 300

aacgtgcagc ctttgctaac tttgatcctt gctcccttct tcctggaaac ttggactact 360

ggacatatcc tggctctctg accactccgc ccctgctgga atgtgtgacc tggatagtgc 420

tcaaggaacc cattactgtc agcagtgagc agatgtctca tttccgtaaa c 471

<210> 9249
<211> 284
<212> DNA
<213> Rattus norvegicus

<400> 9249
ggaacaggca acaattacta cagaaaacca catccaatca aaatacgaca tcataaagcc 60

cagtcccagt gtttacatct gcaaaacact ctgacgaatt gccagcatca agaggaacat 120

ctttgcttga acttaagtag ccattactta caggtgtttt ccgaaacaaa acaatagttc 180

agagtggaat gttgaagaac aaaggaacag cacatttgaa tacaattaca ttttatattg 240

agttatttta gcccagattg ctgttcacgt ttcctttgat tata 284

<210> 9250
<211> 306
<212> DNA
<213> Rattus norvegicus

<400> 9250
ggtctgggct acacgtcgga cgaaaccgtc ctgttccgct actgcgcagg cgcgtgcgag 60

gcggccatac gcatctacga cctgggcctg cggcgcctgc gccagcgacg acgcgtgcgc 120

aaagagcggg tgcgagcgca cccgtgctgc cgcccgacgg cctacgagga cgaggtgtcc 180

ttcctggacg tacacagccg ctaccacacg ctgcaagagc tgtcggcgcg ggagtgcgcg 240

tgcgtgtgat gctacctcac gccccgacct gcaaaggggc cctggcgact ttcaggagaa 300

ctgaat 306

<210> 9251
<211> 528
<212> DNA
<213> Rattus norvegicus

<220>

<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<400> 9251
caagggtcgg gcagctaagt ccattggtcc ttagggaagt ggcagttggc tctcccctga 60

tcagcatagt tgaacaggag ccagtgtctg tcccttntac cttcccatcc agagtttgtt 120

tcccatgagg gtgctagtgc cagtcaacca ttcccgtgtg tcacatgtgc acatatgacc 180

acgtacacca gagcaggacc cctcagatga ggctagactt tgaggaccac aggaaacaca 240

cccctgcacc tagaagggct ttggaatagg gggcaacctg gtgggggcct ccccatctgt 300

actgaggccc cagccttaca tctcctctac ccctgactgc acaaaacaac cctgaccgtg 360

aggaccttct ccctgcacca gaccccacct ttgaccttta accttctctc tcccccgaag 420

gagctcttct gagtggacat gggcccaagg ccttacctaa gtggagaggg agggcagggc 480

tgctacatgt ctccttctat ggtaggtcac cattttgcac atctacta 528

<210> 9252
<211> 472
<212> DNA
<213> Rattus norvegicus

<400> 9252
attgccagga ggaaagccct tcacccccgg aggaggagca gtacctccta actgatccgg 60

cacctgcttg tcaccaggat ccagacattt tgtgttcctg agcactttgc aagagagagg 120

agtctgcagg actcagaact ttcaggagac cctgggagtt gtggctatct cctggtgggg 180

agcctccagc attcctcaag ctcttagttc tccagaaaac tggctttcat ctgtctgcta 240

acctcagaag ctgggaatgg gtgtggactg aggaaatgga tctcaaggaa tatcgtggtt 300

gttgttgttg ttgttgtttt taccacaggt taaaggtcag atttaggcag ctttcctcac 360

aaggtgacag agtacagaac caactggtgt agcagccata ccaggaagac aagcctaccc 420

tatcagagta aagactctct agagtgaggg accaatcctg tgactttaca ag 472

<210> 9253
<211> 260
<212> DNA
<213> Rattus norvegicus

<400> 9253
tgctctgtga ccctgtgtga acatattttt aagggttttg ttttgcacat tattgtatat 60

ggcaagcaca gatggacaga tttgagcttt ggatggagta ggcaccccta tctcactctg 120

agatctgttt gacacccttt ggacagcagc tttagctgct ggtgtcaagg gtgcgtgccc 180

attgggctag aaggttccag caggcttctt gcattactct gcacctagct ggcttgcttt 240

actggcactc ttgacttata 260

<210> 9254
<211> 500
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<400> 9254
aggcaagacc atcagcaccg agagccccaa acctattttt acttagagac tggctttggt 60

cagtagctcc ctgtggagac agttgacagt atttctctgt gccggtgtca ctgatggagc 120

tgcccctccc ccgcagggtt gccctcacaa actgcagccn tgcagggggc tgggctcctg 180

tctgctgatg ctgcccacct cacctgcaga ggtgcctgcc agggcgagtt ctcaggtgtc 240

tgttgctgtg ccatgggggc cttcttctgg ccctgtgccc ctcaggcagg ctctgtgccc 300

acccagcccc ccattgtcac ctgtaccagt ctggagcatg acctagctgc acagggagaa 360

ggtccagccc acacacgtct gggaggggag gagtgggcat ctctggcagc atgggctgcc 420

cacaggctgg gcagtgggtc cctccacacc tacctcaggg agccagtgtg taggcactcc 480

acagcatgcc tgttagtcaa 500

<210> 9255
<211> 588
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(392)

<223> n is a, c, g, or t

<400> 9255
catgtactca ttaggcttgg cttttgttag cccacaaagg gatcttttcc tttaagaccc 60

ccagagctag agcaaaggcc tgattcagga gcctctggga gccccatcct cactgctgtg 120

aaccctagag cctcnctggt cagcacttgt tgctgggcaa tgaaccagtc actgagcttc 180

acttttggt ccttctctgt ccctccctgt ccctctctgt ccttctttcc atatctggtc 240

cngagtatgc atggtttttc cgtgttgctg tactagtgac agagtctagg ccctttgttg 300

gatggtcatg gatgcacagt gccttgtaca catgtatgca cacaaatcga gtgaagtatt 360

ttggtaagca tgatggccta tggcaggann nngtgtgtgt gtgtgtgtgt gtgtgtgtgt 420

gtgtgtgtac aaagtcttta cacttagcat ttggaaatat taaagaaata ttgtcatagg 480

ggagggagga agaagcaact tttgggttca gaatctacat atgaaaaggt catgctggaa 540

ggcccccaat gcatcctctg ttggggcctt ggttcaataa agcactga 588

<210> 9256
<211> 356
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<400> 9256
gaggaaccct acctgagtct tgtcacctcn tccctgtctc agccctgcct ccccaaatcc 60

tgtcatcaaa gagagcctca ttggcaggag ttccaggaag gtgacattcc caattcacac 120

cctccacaaa gggggagtcc tgggctgtgg gacacatggc tgtgagccca cagtgtcagc 180

cattgctccc aagctagtca tcttctgagg gaagtgacct ccctgggttt gccccttttct 240

ctgacccttt cccttcaccc ctccaggagg gccaccttga tgtcatccca ctggcctcca 300

actgacccag aatgtccaca ttaacttttc cccaatcttt cccaatgccc ataaaa 356

<210> 9257
<211> 462
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature

<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<400> 9257
tgttacagag cccaagaaga tccaggatga acaccttcct cctcctcctc accatcagtc 60

tcctggttgt ggtccagatn caaacaggag ncttgggaca aaacagtact gctgttacta 120

cccctgccaa caaagccgcc acgactgccg ccgccaccac caaggctgcc gccaccactg 180

ccaccaaaac caccaccgct gtcagaaaaa cccctgggaa acccccccaag gctggggcct 240

catccatcac cgatgtgggg gcctgcactt ttcttttctt tgccaacacc ttaatgtgcc 300

tcttctacct cagctgaggg gaaggcattt ctaaagccnt atgctcctca caccgctgcc 360

actaccagta gcaagagaca ccccaaccca gtccctggga agggttgata ccagagatcc 420

aaggaggttc aagttgacag cccatagcca gaacgtcgag gt 462

<210> 9258
<211> 551
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<400> 9258
tgagcgcgag ttctaccgcg acctgcgctg tgtcgcgcct ctggcgctgc gtggccgctt 60

gctgccctac gtggcggagg atgagctgcg ggccgcatgc gcgcccggcc tactttgctg 120

gggagctctg gtggcgcagc tagcgctgct ggtcctcggg ctgctacacg cgctgctgct 180

ggcactccta ctgagtcgcc tgcggaggct acgcgcgcag gcgcgcgctc gctccacccg 240

cgagttctca ctcacagccc cgntggtggc cgagtcggcc ggaggtggtg catcttaaga 300

aaggacaggc gcagagcaac gacgacctgc aaattttaca ggtccctgct ggaggaccct 360

ccgccttcac ctggatcggc cttggcctct atccttgccc aacttcccag acccaagctc 420

tgcaagcctg aatccacatg gggtcaaact gctgccagta ctaccagaat gaggcaacct 480

tgagtcttca gagcctagag tgctggagca gtccagtctc ctgccagact ccgcactgaa 540

taaacctttc t 551

<210> 9259
<211> 385
<212> DNA
<213> Rattus norvegicus

<400> 9259
ttacaaatac cctgggcctt ctgattctgg tatttggagc cctcatcttt tggattgtca 60

ccaggccaca atggaaacgc cctagggaac caggctctat ccctcttcag ctaaatggag 120

gcaacgcaga cggaatggag ggcgccatag caataagctc cgcccacaac atggacgctg 180

cagacgcaga gttaagcagc gagggagcag cccggaaaag aaccctcggc cttgttgaca 240

ctggccagag gtccaccatg tgaaatgttg atgcagccac gtaacttctc ttccaaagtc 300

agccctacga tttagcttct cctacctagc cataggccga tgtatattgt ggtaaccaag 360

gaggttttcc tgagagcgat tgtgt 385

<210> 9260
<211> 259
<212> DNA
<213> Rattus norvegicus

<400> 9260
gtagctggtg caggaatctc atccccctcc cctgagctct ctgtttaggt gacacacttg 60

tgcctcaaac cacagggagc aagtggtatg aacctgtgat ctgctcagct ctgccttgag 120

cgtcagatga aacaaatcca agacaagaga actgccctta gcagtgcaac tggacatcag 180

agctccttgt aaggaactgg gaaattgctg gcagtcaagg gaaggggtag agtaaatctg 240

gaaaacagtc ccctctgtc 259

<210> 9261
<211> 479
<212> DNA
<213> Rattus norvegicus

<400> 9261
tttagctcaa gctgtctgcc tgaactgctg caagtcctgt gaatggtcag gcacgttacc 60

tggagtctca cagagaaggc cccagaatcc aggctcactc acggagtgtg ctgaagaacc 120

aagaactccc accatgacac ccctgtggct tttgtaccct tcttggactg gaccttggat 180

ggcagccttg cagccaccat ctttgtaagt tgcttggtag ggcagcatga ctggcttttt 240

ggcgtctcat gggagagagc taggtggcag ccctgcagaa gactgcacat cctcacacag 300

agaggccacc tcatgaataa ggtttcctgc aaacatcttc tgggcccttg gcagccatct 360

tgctctctca ggccttgctg tggttttggg aagctgttgg ctcagaagac agacttctac 420

ttcatctcct agtaggaaat ttcttaagct tcttctccct cgtggcttat atatttctt 479

<210> 9262
<211> 550
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (464)..(470)
<223> n is a, c, g, or t

<400> 9262
tgagtaccca gcctacaact tgctggcaag ataaaaacga tgtgctgcag ctccagttca 60

cgggcacctc tgcctactat acttacctgc tcctgctcct caagagcgtg ctctacttgg 120

ccatcatcag cttctttctg cttagaagaa cagcttcctg tggcaataag aagagatcct 180

aaggaaataa acggtggacc agcaagtcca ttgatnttca tccttactgt cataaaggtg 240

acttatgggg gtccagctgc nttctcttgc tggctttgac ttctgtaaag tcacatgcac 300

agcattctgt tattgtgcaa acatttttct cacatttgta agcaatttca gcaacttctc 360

tctaactgag ctcaccttcc tgattccatc ctctccagca gtcccctccc ccagaagccc 420

aaagtatcaa agctctggta cncataggct gcaggatttn cccnnnnnnn ttgttgctct 480

tgaaccagtc aactctctga aagcctccgc tctagacaac ctgaagagcc ttctttattg 540

ttggattctg 550

<210> 9263
<211> 587
<212> DNA
<213> Rattus norvegicus

<400> 9263
aactcggtga tgtacttcag tcctctggtg ccggtgtttc agaaagtgaa ctctattatc 60

accaagccgg tgacgcgagc tcccacacca gtgcctcctc ctacagggac accccggccc 120

ctacgaccag aagcttgccg acccggggcg agtggctcag tggagggaat gggattgggc 180

ttcgcctgcg atatttacat ctgggcaccc ttggccggaa tctgcgcggt tcttctgctg 240

tccctggtca tcactctcat ctgctgccac aggaaccgaa ggcgtgtttg caaatgtccc 300

aggccccttg tcaagcccag accttcagag aaattcgtgt aaaatggcgc cactaggaag 360

ccacaactac tacatgactt cagagatttc tcacaagaga ccgggccctc cttttcaga 420

gtttcctgct ggcttatata ttgtcctctg tattgtttta ggggtaggat ggggacagtt 480

ccttttttctt tatgaattct ctttgataca aaacatactt gtatgcacac aatggggtaa 540

agatcagact gtaacaccag agatagtccc agtttcaggg tcagcgt 587

<210> 9264
<211> 481
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (328)..(328)
<223> n is a, c, g, or t

<400> 9264
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acagggttgt cattagcatg ctcaagtggt cttttctcta cttcaagatc tagagtcatc 120

tctccaggaa aaagaaatag tcgagatgtg gctttgagag agagagtttc ctatgatcca 180

gtaatacttc tttcccagga acacaggatg ttccaaaagg atgtgaaata gtccattcaa 240

ttcaaagggt tcaggaagtc cctgaaaacc accanacaca ataggccctc tccttcctaa 300

gtatattanc tgtaaggact gctgananac actctcagac gagttgagct gcctgaaaca 360

ttatccaacc tgttgagctg tctgcaagtt gtacagaggg ttccaagttt acagcttttg 420

tgatgttgtg agctctcctg ttgcagctgt cttttgagtc attcttgctc ctgtgataat 480

c 481

<210> 9265
<211> 251
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<400> 9265
aagatcctga ttctaggtga cacaagaagt atgatacggg agtttctcca acgacctcag 60

ataacttcat aagtatccta gaatctttct cctgacagaa aatataatta tctacttttc 120

aaggtatatt ttttattaag gatagttccc atgtttggat tgtgtttgtg agtgaaagaa 180

agtaaaatta taatgttata acattaacac aatgatcagg tcntacagct ttggactgga 240

ctctaaacaa c 251

<210> 9266
<211> 539
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<400> 9266
ctgtcatcta tctcctagat ccaaaccaat aacctggaaa ggaaaccaca caagaccctg 60

cagaccatgc agaaagctag aatccaattc atgggtggtg cctggggctc tcccacagat 120

atagggcctc ccgaagctgg cctccaccga gatgaaacgt tgatgtccag ttatggagac 180

aacnttntgg cccctaccaa ccttcatggc cagaaagctg tgacaccaga atgtttcact 240

tcagacagct ggaaggatta cagaattcca agccctcntt ccaaaggtgc aaccaacctt 300

cagagtcact atgatccagg gtcagcccac aagtcttcat ggctcctgca gagtaaaagt 360

ccaagattcc atccctggga gctacagatt cagagacttc caagctgact ggcgnacaga 420

gtagcaagac ttccttgtga tcagatgaga ttacagcatc ttaggaaccc tcggacaccc 480

ccaaacccat agcatttaat caacgggata tgaaccaact cctgtaactt cctaatgta 539

<210> 9267
<211> 343
<212> DNA
<213> Rattus norvegicus

<400> 9267
aacatggagc agaccatcaa ggacctgcag caccggctgg acgaggcaga gcagatcgcc 60

ctcaagggtg gcaagaagca gctgcagaag ctggaggccc gggtccggga gctggagaat 120

gagctggagg ctgagcagaa gcgcaatgcg gagtcggtga agggcatgag gaagagcgag 180

cggcgcatca aggagctcac ctaccagaca gaggaagaca ggaagaacct actgcgactg 240

caggacctgg tggacaagct gcagttaaag gtgaaggcct acaagcgcca ggctgaggag 300

gcggaggaac aggccaacac caacctgtcc aagttccgca agg 343

<210> 9268
<211> 422
<212> DNA

<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<400> 9268
taggagatcc gcactggcca aggaagagaa ccaagagccg cctccccttn ttcctcccag 60

ctcttgagca gctgctgttg aagagcaatt cagaggaccc atctgttccg aaggcatctc 120

tttggagcag aaggcatagt cctggttcat cccagggntg atggagagcc agtcgaggtt 180

atacaggact attgagaaga aagcatttcc agtccacagc acctcttcct aaggggaagg 240

tgtgtgctnt tgctgacctg gaacccagag tgactgtcac tcctgtgcca gaagcagctc 300

cttcagatga gctacttgga aacactggag agcaagaagg gccacacacc acaccagcct 360

tttccactct gcagaagtgg ctggtcacaa ggntagtgag tgcttcgtat atggtgtttg 420

tt 422

<210> 9269
<211> 414
<212> DNA
<213> Rattus norvegicus

<400> 9269
aactgacagg tctggcatac acctaagggg cgtctcccca tcaggctgac agcagtgatt 60

ttacccatgg caggcttgct tccaattata acgccctgcc ctctgaggtt tcttcaaatc 120

gtcttgctta ttctaagctc gtttaattcc cttctacagg acaggctttg actcatgcca 180

agcctgaagt gtcaaagagc agatacagaa tgtgcatgag gaattgttct tagtttgata 240

tttaaagccc ttaattgcct ggggctgggg ttcaaatctg tgtagatagc tgggttgacc 300

cttatgtatt tgtagaccaa actgtgtggg cttgtgtttg agggtctcct gttgggtttc 360

ttaaaaacaa gctggctgat ttatctcctg ttgcctttgt tgttacttct gtga 414

<210> 9270
<211> 484
<212> DNA
<213> Rattus norvegicus

<400> 9270
gaagatgagg tcatgcctcc gcaggccctg agcgagcaga ccgatgaagc gggggcggca 60

cttagctccc tctctgaggt gcctccctgg actggggaag tcaacccgtc tcagagagat 120

ggaggtgctc tcgggcgcgg cccctgggac ccctccgata gatctgccct cttgaaaagc 180

aaactgaggg ctctgctcgc tggccctcgg agcctgcgaa ggtcaagctg cttcgggggt 240

aggattgaca ggattggagc ccagagcgga ctaggctgca acagcttccg gtaccgaaga 300

taacagccaa atctgctcga gcagatcgca aaagatccca agcccttgcg gtgtgtcaca 360

cagcttggtc gcattgccac tgagaggtgg tgaataccct cctggagctg cagcttcctg 420

tcttcatcta tcacgatcga tgttaagtgt agatgagtgg tttagtgagg ccttacctct 480

ccca 484

<210> 9271
<211> 444
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (37)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<400> 9271
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caggttctga ttcgattcca tgtccaaagg aacgtggcag tgatccccaa gtctgtgaca 120

ctctcacaca taaaggagaa cattcaggtc tttgacttcc agttgagtga ggaggacatg 180

gccgccattc tcagcctcaa caggaactgg agggcctgtg gcctgtttgt cacaagcgat 240

gaagaggact ttcctttcca cgaggaatac tgatgttggt tcgcttgatg agattcaagc 300

cgggtagatt cctttgtcct tgtgtgagac tcactcctcc tgaagcagat tttagccacg 360

tctctctaaa ancaacctgg atgtaggcta ccatttggcc atgnaggatt taaatttttg 420

tgttcatcaa ggtgcagact ctca 444

<210> 9272
<211> 381
<212> DNA
<213> Rattus norvegicus

<400> 9272
aggctctacc ctgttggtag ctttgtagag agaatcgtac actcagacct ggtgcttcag 60

aactatcatg tccctgctgg gacattcgtc ataatttatc tgtactccat gggccgaaac 120

cctgcagtgt tcccaaggcc tgagcgctac atgcctcagc gctggctgga gaggaaaagg 180

agtttccagc atctggcctt cggctttggg gtgcgccagt gcctggggcg gcgcctggca 240

gaggtggaga tgctgctcct gcttcaccat atgctgaaaa ccttccaagt ggagacactg 300

agacaagagg atatgcagat ggtttttcgc tttcttttga tgcccagctc tagtcctttc 360

cttactttcc ggcctgtgag c 381

<210> 9273
<211> 419
<212> DNA
<213> Rattus norvegicus

<400> 9273
ttttgagctg gctcggaacc cagatgttca gcaggccctg cggcaggaga gcctagcagc 60

tgaggccagc atcgttgcta atccccagaa ggccatgtca gacctgccct tgctgcgggc 120

tgcccttaaa gagaccttga ggctctaccc tgttggtagc tttgtagaga gaatcgtaca 180

ctcagacctg gtgcttcaga actatcatgt ccctgctggg acattcgtca taatttatct 240

gtactccatg ggccgaaacc ctgcagtgtt cccaaggcct gagcgctaca tgcctcagcg 300

ctggctggag aggaaaagga gtttccagca tctggccttc ggctttgggg tgcgccagtg 360

cctggggcgg cgcctggcag aggtggagat gctgctcctg cttcaccata tgctgaaaa 419

<210> 9274
<211> 408
<212> DNA

<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<400> 9274
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aacccagata ctgtgtgaag tccccacagg gacagtggtc ttccatgagg tcaaggtgtt 120

tcctgacttc tgccagtgca tgctgcttgg gcaaaggtaa ttctcttgac ttgtgaaagt 180

ggcccagatc ataagatttt ttcaggtctc ctttcagctg caagtcggta gggcgaaaag 240

ttttggccaa gaacaaccac ttcacagggt ctcntgtgct cagcactaaa gcacaaatct 300

actggagatg tgtgtgccaa gttccaaggt cttagacctt tgagtgtgag gcagtataga 360

gtcggggcct ttaatgatat aattcgtgtg aaatgagatt actgggtt 408

<210> 9275
<211> 334
<212> DNA
<213> Rattus norvegicus

<400> 9275
ctgcccagcc tgagtcacaa gaagaaaccg aggtcacagc agaagcagca tcaccccaag 60

gctgatctgc aaaattctat agttgctttt ttatttttag taaccttagc cctcctttct 120

agaatatttt aatatacctt aaagaatttg gctttactaa tagatatttg attgagattt 180

gatattctac atgtcttaat agttttctac cctttaaaat cagtctgtgt taagacctta 240

atcagtgtta agtttggatt taagttttac attctagaaa ttgagttatc tatgcaacct 300

atgtcacttt gattttgctc tgcctttctc ttac 334

<210> 9276
<211> 445
<212> DNA
<213> Rattus norvegicus

<400> 9276
aagtatgtcc tggtcaacac gtccacaggc ttggtgcagg accagacact atggtcggat 60

cccatccgga ccaaccggcc ctctccctac ttggccatcg acacgtggcc gggccgtcgg 120

agcggaggca tgattgtcat tacatccatt ctgggctcct tgcccttctt cctgcttgtg 180

ggtttcgctg gagccatcat cctcagcttt gtggacatgg gcagttctga tggagaaaca 240

acacacgact cgcagatcac ccaggaggct gtccccaaga ccctgggggc ctctgaacct 300

tcctactcat ctgtgaaccg ggccccaccc ctagacagag cggaggtgtt ctccagcaag 360

ctccaagact gaaatgatcc ttggccccaa gccatcagcc ctgacctgtg gttggcagca 420

atgcatttat gctctgactg ggcca 445

<210> 9277
<211> 392
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (31)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (50)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(75)
<223> n is a, c, g, or t

<400> 9277
ggttattacc acagtcaggg ctgttatgag nnnnnnnctg nnncnnnngn nngncncnnn 60

nnngnnnntg ncnnntttgg atactgttac gctccaggac gacccttggt tttcatttaa 120

cggagtgttc agacgtcctc tcatgtcctg tggggtgatg tgcatttagc aacccccgtc 180

tctgttcacg gagagcttgt aaaccttggc agcattcccc atgcccattt tacatcagct 240

cagtctttgc cctcaaggtt tcaacctgaa acagttctca aaccctggta tcagtgattt 300

atggggactt gtgtttgctg tcacaatagt ttgcttgcac taacgatccc gaaggaagtc 360

ctgacaagtc accatttgtt tgcttatcca ta   392

<210> 9278
<211> 473
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<400> 9278
gaaacagctt tctgaacttc gccttttccg ggttgcgagg ttgaggtggg cggaaaaaca 60

agatacttgg aagctgcnag ganaggccag ggcacaaggc cttcttcaca aagccatttn 120

tgcgctgtct cccgcagcag gctcgctttg ccttccctgt gtcccctgct ttggtgcaat 180

gtgagatata tgacccaaat cctactagcc gtgactgaga gcctggaagc aatctgttgc 240

cctccctcaa ttccaaatgc atcaggaatt attcccaatt ctagtactcg aacccgcctg 300

ccccgcgtga cagtgtcttc acgcctactt tccttggatg tctccagctc tctccgctcc 360

gcggctcccg aagcacctta cactttgtac cagcgcctct gaacctgagg tccacccgcc 420

aaacaacctc ggcggcggcc agacttgcga ttgcgctcat tcgtaggatt tta 473

<210> 9279
<211> 334
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (289)..(290)
<223> n is a, c, g, or t

<400> 9279
aaagtgcaaa catttcgtcc caaagtctga gtactttagt gcagtgaaat gttgtttcat 60

gtcctgtcaa gaattcgtat agtacgagcc tggatctacg tgtcaaactg ttccatttgt 120

ttatgtaaag tgatattaaa aagatataaa ctatagctgt ccattgcttt tggcaaaata 180

tacaaccaca caatgtatat aattcctagt ttccatattt atccgcatgt aaagggtctg 240

gtttatccat gttacagcta ttcaatattt atggctngaa aaaaaaaann tcgtatgtac 300

actttagttt ccagaactgt ttggtaacct ttcg 334

<210> 9280
<211> 315
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<400> 9280
atgctggagg cctttgcgat tttacaagaa ctctcactgg cattganctg cttatattga 60

gattagacat ttctttttaa ccntgctgtg ttcttttncc tcaataaaat gtggcattat 120

atacacataa ataatacata gtttataaat tatgtatgca tatgtacata gctttagtta 180

tgctgcaata ctgttgctat ttcccactaa attcaccttt aagaagatga tgcttgacat 240

aacaccagga ggttctagga aggtcactca atgtactatg actgtatatt ctgattcgga 300

ttaccattgt gtgtt 315

<210> 9281
<211> 529
<212> DNA
<213> Rattus norvegicus

<400> 9281
agtcattctc tctcaagtgt ctttctggat taataaggag tcggtcccag caagaaccgt 60

ctttggaatc accacggttt taaccatgac caccttaagc atcagtgctc ggcactctct 120

acccaaagtg tcctatgcaa ccgccatgga ttggttcata gctgtatgct ttgcgtttgt 180

cttttctgct ctcattgaat tcgcagctgt caactacttc accaatctcc agtcccagaa 240

agccgaaagg caggcacaga ctgcagccaa gccccggta gcaaagtcaa aaacaactga 300

atcactggaa gctgagattg ttgtgcactc tgactccaag taccatctga agaagagaat 360

cagctctctg actttgccaa tcgttccatc ttctgaggcc agcaaagtcc tcagtagaac 420

gcccatctta ccatcaacgc cggtcactcc cccattgctc ttaccagcca ttggcggcac 480

cagcaaaata gatcaatatt ctcgaattct cttcccagta gcatttgca 529

<210> 9282
<211> 435
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 9282
aacagaaacg taatgctgag gccgttaaag ggttaaggaa gcacgaaaga agagtaaagg 60

aacttaccta ccagaccgag gaggaccgca agaacgtgct gaggctgcag gacctngtgg 120

ataaattaca ggcgaaggtg aaatcttaca agagacaagc agaggaggnt gaggaacaat 180

ccaacgtcaa cctggccaag ttccgcaagc tgcagcacga gctggaggaa nccgaggagc 240

gggcagacat cgccgagtcc caggtcaaca agctgcgggt gaagagccgc gaggttcaca 300

ccaaaatcag tgcagagtaa acgcatcttg aggaggccgc caagtggctg aaggaaangc 360

acagaatgtg ctgccttggg tcgcttgctg ggtcncttgc ctctcngtgt ttacttttct 420

cccactgctg actga 435

<210> 9283
<211> 159
<212> DNA
<213> Rattus norvegicus

<400> 9283
gtgtcattgg ttgattttct ggctatgtga acatcgtagt ataccctacg tgaaagaacc 60

ctgaggttgt aggagcaaaa cttcaggagg cctctaagtg ccctcaagac acgtagtaga 120

cacaagttgc atgaggcttc tgcgtgacag gctttcaga 159

<210> 9284
<211> 296
<212> DNA
<213> Rattus norvegicus

<400> 9284
aactaaggag tactggctat gaacttatgg tgctaagatt tttgccaatg gaaaaaaaat 60

ttgaattcta tcattttgtt ttagcatgta atgtaattgg tgaaattaca taattataaa 120

attagtacaa gcaacaaggt ataatattat cttttaaaga atgtctgtaa taagactaat 180

tttttcactc aaaatataat gaatacatgt atttttttaag tgcagctgag aacttttgga 240

atggaacaat tctttaaatt ttgtgctact tgatctgtgt atgtttgtat tgtttt 296

<210> 9285
<211> 288
<212> DNA
<213> Rattus norvegicus

<400> 9285
attacaatta cctatctgag aagacttgtt ttattatttt taagtagctt tactgaatta 60

tatttaaatt ttaagaaact ttgctaagca gtatttagaa tctactcagg gcagttaaaa 120

tagtaaactg ctggacagaa aacaagtaca atgtagcagc ttgactttat gttagtgtat 180

gaaacattat tgtcctataa aagtaatttt aatctattta atatttctta tttacattac 240

atgacaaaag ccatcaaatg aatgaataac tctacatttg cctaacta 288

<210> 9286
<211> 564
<212> DNA
<213> Rattus norvegicus

<400> 9286
gacaactttg tagggtcggt tctgaccttt tgtttttatg gggcatctgg ggattgaact 60

cagctggctt ttgtgacaag tacttcaccc gctgcaccac cttaccggcc cttttattta 120

ttatgtatgt ggtcatgttc acacacatgt atttaaccta tagaatgctt actgtgcgtc 180

gggcgctgct ccaactgctg tataaatatt aaggtattca gttactccta ctggaaggta 240

ttatgtaacc atttctctct tacatcggag gacaccaccg agctatccac tcatcaaaca 300

tttattgtga gcatccctag ggagccaggc tctctactgg gcattaggga cagaggaatt 360

tattggatgt tggttcttcc ttcaagaatc gctcagggat tctcagtgtc ctcaaaacat 420

gctgaaaccg gaccccagac tccactctgg agaatccaac ccactcacag gggaaacagc 480

ccgtttaaag tgcatgtgtg ctagagaggt agggtagccg agatgatccc tcagtggaag 540

gataaccaag tatcttcctc ggac 564

<210> 9287
<211> 529
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<400> 9287
ttttatgttg ggtcattact cgagactgtg cacactgata gaggacacag agatggagaa 60

attctctttt tattaaatat tttaggtgtt taaaaggcca caatgtggaa aatcaaaatt 120

gttataaggt acctaagcaa tagcatagtt tttcataaat tatttgacta tttgcaaata 180

aaacaagtgt ttcaaccctg tttacctacc cacttatttt aatgacccat agattctttt 240

ctagtgactt gtgtgacagg agctaaggca gacatagtaa gtagatctgt taagacacag 300

acagcaagaa taaagactgt gcgaactgga cagtcaccct tttgagacca ccctttcatg 360

ctcctccatg ttcattagcc ccttccctgc tttccttagt gactgacact tggtgcttac 420

tgatgtgtga anaactattt tgtcaagaga tggtgtttat taaactggga caaggaaaaa 480

gaagtgtgtt ttttaataat gtgttacact gtgcttatgt tgtttctaa 529

<210> 9288
<211> 312
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<400> 9288
cattgcgaac ccaaaggacc caaatacttt ctaaccgcag tcactctagg atctgcactg 60

aatggctgac ctgacctgat attcaactat cctaacctca cagtccggac cattctcccc 120

ttnctaagag acctgaactg ggcagactgc aaaataaaat ctcgaagttc tatttattta 180

ttgtcttcct gtaagacctt tgggtcaagg cggagacagg aactatctgg tgtgagtcag 240

acgccccccg agtgactgtt cccagcccag ccagaagacc cctacaggtg ctgggcacag 300

gaactgtatg tc 312

<210> 9289
<211> 348
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<400> 9289
gtttcaaaag tcatatttgc tcaagacaat caattcctct ctttttttcc actaaggtat 60

ttttctttaa cataccttgg agtagcaata aaattttaaa atcaccaact gaattttgta 120

tctattttaa gtaatatatg taagacttga aaataaatgt tttattataa tttcttatat 180

gaagtgttaa attaattgat accagatacc actggaacat ttatcaactg ataatttatc 240

tcaaagaaca taatctgtaa tcttgacatt taaaagtgaa catttgtaat tcggaanttc 300

tttatttctg aaaccaagtt tgtaaatgtc ctttggagga aggagata 348

<210> 9290
<211> 513
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<400> 9290
aaatgacact gtccacctta ggatatttct gatggtgcat cactccatgg ttcacacaac 60

cccttacatc gagataaagt cagatgcacg gatagatttt tttgaagtgc tcctaagaaa 120

ctaaaacact gtagtgaagt taatttcaat tacaaggtgc tttaccacag ccatttcgag 180

cttttctgca acggcaggaa gtccacgtac ctggggcaac ttagaaaaag tccacatacc 240

tggtgcaact tagaaacagg tgtctgactt actcttatgt cagcaacgca gtattactat 300

ggtataattt ctngcatctt tgtcaaatga ttttaatggg cttatacgac atcagaatag 360

acactctgtg tgccttctat tccactggaa gtataaatta acattaagct tttcaaagtc 420

agactgaaaa cgaaaagaca ttatttattt atgctctgta ctgtattttt accgttactg 480

tttaaaactg ggaagctgta cctcacttac taa 513

<210> 9291
<211> 357
<212> DNA
<213> Rattus norvegicus

<400> 9291

aggtgcaaag cccagcgact ctgagtctga caaagccttc atgtccaagc aggagggcag 60

taaggtggtg aatagactcc ggcgctacct caacaatgga cttggagccc cagcccccta 120

cccagatccc ctggagcctc acagggaggt gtgtgagctc aaccccaatt gtgacgagct 180

agcggaccac attggcttcc aggacgccta caagcgcatc tatggcacca ccgtttaggg 240

catgtgttgc cctggagccc aacggcagct tcagctttgg ctactctcca ggactcgacc 300

ctccctgttc cctctctctg cctcgaaagt atggacggca cagctgctcc aaaataa 357

<210> 9292
<211> 544
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (240)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (461)..(461)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(465)
<223> n is a, c, g, or t

<400> 9292
gtgctgtgta caccattgct aaccacccta acataccntg tacaagaagn ctcctaacga 60

gagatttatt aacaacactg tatacgatgt gtgtagttcc tttatcanac ccnntaccta 120

atactgtatt aggtttgatt ttcatcctca tgtattttac gtgacttgtg cacatgngtt 180

tttatcataa ataaatatgc aatcattcac gtgtgttata attaaaaaga aagggagagn 240

nttggaatga gtgtgggtct caaggagcag ggaacaattt ggctanaaag caaacgctta 300

tctccatcag ggtttaaaac tcagaggatc cggaaacact ctttattcag tacatctgaa 360

cggctaaggt tcgactacgg agggcagaat catctgtata caggagggag taaatgaccc 420

cttttagagt tgccagattt accaaacatg aatacacggt ntganacgcc cacctcagct 480

tgaattccag atgaacaatg gctggttttt aatacaaccc ctcccctaca gataatttgt 540

ctct 544

<210> 9293
<211> 419
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<400> 9293
aacttcccct tgtcctggat gactttagcn tggaagcgct gctgaccgta ttccaactcc 60

agaagatctg ccgcagccgg gcctttcaac actgggagat aattcaggag gatatcctcg 120

atcatggcaa tgagaaaact gagaaggaag aagtgataaa gagaaaaatc ccttatattc 180

tgaaacggca gctctatgag aataaaccca gaaggcccta catactcaag agggcctcct 240

actactactg agaagttaat tcttgacatg tgattctcat cctttacctg ttatctggat 300

acacatgatg cttatctaga tatataatta tatgtgtgta tgaatgtatg ccagaacttg 360

attattttac cttttccaca attgtgcttt cttggatggg attttcctgc attcatgca 419

<210> 9294

<211> 448
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<400> 9294
ggccttcacc ggcaaatacg aatttgaaag tgagaagaat tacgacgagt tcatgaagcg 60

cctgggtctt ccagnagatg tgattgaaag gggacgtaac ttcaagatca tcacagaggt 120

ccagcaggat ggagagaact tcacctggtc ccagtcttac tctgggggca acatcatgag 180

caacaagttc accattggca aagaatgtga aatgcagacc atgggggggca agaagttcaa 240

ggcaaccgtg aagatggagg gtggcaaggt ggtggcagac ttccccaact atcaccagac 300

ttcggaggtc gtgggtgaca agttggtgga gatctccacc atcggggatg tgacctacga 360

gcgtgtaagc aagagggtgg cttgagccac caggctgggc tctgagggac tgcaacccat 420

caataaaagt gcaccatgga tcaccact 448

<210> 9295
<211> 345
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<400> 9295
gaatagcctt ttgtaaccgt atcatgttcc agcaaaaggt taagtgtagg ctagaatagt 60

aaaatggcaa ccctagaaat ggaaatggtg tatagaaaag tacacaggaa gttcctggtt 120

ttgacaatga caaagaaagt gcctggagag atggctcntg cttttaaggg taccagntgc 180

cctcccagag gactgaagtt caatccacag gancccncat anacngntca taactttcta 240

actttaggca cagaggagcc aatatcctct tctggattct gaaggcattg cacacatgtg 300

gtgtacagat agacatgtag gcacccatgc acatttacaa aacaa 345

<210> 9296
<211> 456
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(102)
<223> n is a, c, g, or t

<400> 9296
gcaacatggc ccagacaggt gtcttcctcc gcagccctgg gtacctcacc tctgccccgn 60

agncnnncct nnnnnncnnn ntnnnnntnn nntnnnnnnn nntgtgctgc ggtacagaag 120

ccagcagcgg caactcaacc ctgagtacac accacccaga ccccgggacc ctcgagcagt 180

gtgctaatgt cgacttctgc ccactagcct ccctgtgttg ccgagcttct gtggacgagt 240

atggctggat cgctgcggcg gttggctgga gtttctggtt cctcaccctc atcctgctgt 300

gcgtggacaa actgatgaag ttaactccag aggagcccaa agacctggca gcatgagcag 360

agctttggct cccaaggatg gctatttcta ccatatgtgg atagcgggaa ggggcggggg 420

atgcttctag aagccgggct tctgtcactt taaagt 456

<210> 9297
<211> 532
<212> DNA
<213> Rattus norvegicus

<400> 9297
gttgccttaa ccctactgaa gcatgatgat ctgcaaggtc ctggtgatca ctgtcttctg 60

tgtgctgact gtggctttcc ccagtttgga catagattca atcaatgaag aactacagga 120

ttcaatcttt gatatactaa actcaacctc tgacttccaa ctggcatcat atgaaccatc 180

aacatctcct ccagaggata gcacatacca ggaatcaaac actgacttca tgcaaaccac 240

atattccaaa agcatacaga tttctgagct ctctaatgga gctgagacag tctcttccag 300

cttcctggaa gaagtcactg agacttcaga aagcacagtg gagtttccat tagctgagac 360

aactacattc tcctctacct cctgagaaga ctttgaaaca agcctgtgac taccattctg 420

gatattgagt ctttgtagaa aatcatgtaa gtctaagatg ctcccagcaa agaagaaaga 480

acaaggaagt ggtcctggat gagaaatgct gtgtcaggca cttatgagct ct 532

<210> 9298
<211> 477
<212> DNA
<213> Rattus norvegicus

<400> 9298
taaaggcccc gagtgcacca acaagctgca gtacctttta atactatcag gatttctcag 60

tatcctctac tcattcgcag ccatacctgg atacatggtt tttctgaggt gtatcaagtc 120

tgaagagaag tcacttggga ttggaataca tgcattttgc ataagagtat ttgctggcat 180

tccagcacct atttactttg gagctttgat agacagaacc tgtttacact ggggaactca 240

gaaatgtggt gcgccagggg cgtgcaggat gtatgatata aatagcttca ggcgcattta 300

ccttgggatg tctgcagctc taagaggatc aagctatctc cctgcatttg ttattgtaat 360

acttacaagg aagttctctc ttcctgggaa aatcaactct tcagaaatgg aaattgcaga 420

gatgaagctc acagagaagg aaagccagtg cacagatgtg cacagaaatc ctaagtt 477

<210> 9299
<211> 537
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<400> 9299
cagtgagact cccaaggctc ttgctctgtc tttcccaatc cttttcttat gactccttag 60

tcttcctata gcaatatgaa attattcatg tagaggcatg tatgtgattt aggtctttgc 120

ttggttattg acacagaaca atgacacgtt tcatgctaaa agaagaaaga aagagggaat 180

aagaggtttg aagtcagaaa aggctaaaac agcaagggaa agaaattgcc aattcangtg 240

gtcaggaagg ggtagagaga aggggaaagc agaatgagga gagagagaga tgagaaggaa 300

ctggagagaa atagaaaaag ggttgtgtag aaggacacta gtgtcttcgc caagttgtgt 360

caatccttag ggacatcatg cccaaaggag aaggaaatac cacttacaga gcatgcccaa 420

ggcactgtta tacacttgtc atgagtccta tacaggtcat gagccatctt acttcatctg 480

ggtgacatct gcaggctcat cttctgcacc ccaaaatgta ccacttcctg tagctca 537

<210> 9300
<211> 392

<212> DNA
<213> Rattus norvegicus

<400> 9300
gagaggctat gacaacccta actttgtctt gtcagaagtt gatgaaacgg acgacaccca 60

gatgtagcag tggcttttcc acctacaaaa agcctcccaa ggacctaagg gttgactgtg 120

ttcagaagca tctgacgggg gtctgaaagc aggatgagaa catgcgaaat ctgctagcac 180

agtcacccct gaaccccagg gctatggttc tacaagacac atagctctct aaggctgcat 240

acggtgcatg catgtgaatg aaactgtgga agccaaaggg gcccacttgg atcctcacta 300

tgactgtgta agctcatatc gtgttgatgg aaacaaagtc attcaaggac aaaacttagg 360

agctttagaa agcttcagga actagccaca tt 392

<210> 9301
<211> 552
<212> DNA
<213> Rattus norvegicus

<400> 9301
gacatcaact ctccagtaac tgatcatgtg gagatgatgc tcacagagaa ggaaagcgag 60

cacacagatg tgcacagaag tcctcaggtc gagaatgatg gagaactgaa aacgaagctg 120

taatgagttt tctactgccc tgttcaaggc catgaacaga atgcacactt cccttcctcg 180

gaatcccgag agatacaata ggaaccttct ctttaaggac ctcaatgatt atttttctca 240

ctataaaaat aattgctgat atcactttca gaacttcagg gtgatattta agatttcccc 300

gggaaagact tttatggtga cccccacact acactttaaa gcttccttca ttttcacata 360

acattttctc ttaactcaat caagggaagt atgtgtttcc cacacagctt caaatgagtt 420

taaaactttc ctattccaga aacactattt aatttcactg aatttaaatt tccatactgg 480

gggtaattag aactgaaaat atgccccctg gttgtgtcat actgaaataa attgttcaaa 540

ttcattcttt ct 552

<210> 9302
<211> 440
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<400> 9302
taggctgcag gtccagacta ttgcctggag gcgagggacg ggatttttac agagcccaca 60

gtagaaaggc acagcatgtt tgtgagtgtg tgtgcatgca tgtagatgca tgtcacttga 120

ggtacatgat tttgtgccac ccttgggtac ctgtccctac tcagggccac agcggggtgg 180

gcnttttttt gcaattaaga agcagtgtgc acaaattaca tgctaggtcc tgagcctttg 240

tggccatcag gacaggagta tgcgagtgca tggtgtgggt acaggggatg cagatgcatg 300

aggagccccc aaaattttct gggaagagtc ggctatgccc tctcaccttc tcactaccct 360

tgtcccaaca ggagaggcag aagagcagct ggccttctgt atacatgagc ctttcctctg 420

ccaattctgc taactgtgca 440

<210> 9303
<211> 421
<212> DNA
<213> Rattus norvegicus

<400> 9303
tcgtcggttc ccagtgcaga gtagctgctc cagcgagtgc agtgagcctc aagaaggggc 60

tcgcccggga gcctgacagt acctccgccc ggaagccttg agctaccctc gagctcgccc 120

cttgcaggga accagacact tggggaccga ggcgtgggga gggaaggcag gccggcgaga 180

gacggagagc tctggagagc ccgctctggt gcctggggag aagtgcatag actcccttct 240

gggggactgt gcttagtgca tctcatttta ttaggttgta aaagtgctcg tctccgcgta 300

tttcttttcc tcacgaacag agtttgcatg atcctgagcg tgatcccgag tgcctgtggt 360

gatacagagc cggggactgt cattcccgct ttggccttct tctcctgtac ctgcaataaa 420

t 421

<210> 9304
<211> 546
<212> DNA
<213> Rattus norvegicus

<400> 9304
agagaatggc gagtcctctc aggcccggtt ctctattcag atgttccggt ttgcaggaaa 60

ctccgacctt gtctaccttc actgcgaggt gtacctgtgt gacactatga gtgagcagtg 120

taaacctacc tgttctggta ctagatatcg aagtgggaac ttcatagatc agacccgtgt 180

cctgaacttg ggtcccatca cacgacaagg tgtccaggcc tcagtgtcca aggctgcttc 240

cagcaacttg gggttcctga gcatctggct gctgctgttt ctctcagcta ctttgaccct 300

gatggttcat tgatggaaaa cagaaaacct ggtgtggctc ccagttcact tcctgctggc 360

caggagtggg gatgcaggct ggtaagcagc caggagagag ggagctcaca ctgcctccag 420

cttgcactta ccctttcct ttaaccctca ccatcaaaac cgagttgata tctttcaatg 480

ctgctgattc ttcaactgga acttgtaatg tgtctgtaca tgaagcccct gtctctttaa 540

ggaatg 546

<210> 9305
<211> 483
<212> DNA
<213> Rattus norvegicus

<400> 9305
acaggcctgg gcatgggcag caccatggcc cgggtgggca gcattgtgag cccgctggtg 60

agcatgactg cagagttcta cccctccatg cctctcttca tcttcggcgc tgtccctgtg 120

gtcgccagtg ctgtcactgc cctgctgcca gagaccttgg gccagccgct gccagataca 180

gtgcaggacc tgaagagcag gagcagagga aagcagaatc aacagcagca ggaacagcag 240

aagcagatga tgccgctcca ggcctcaaca caagagaaga atggactttg agaacggaag 300

ggcttcacac agcactaaag ggagtggggt tctacaggtc ctgccgtcta catgaggagg 360

gggagtgagt agagggactg gaccatccaa atgtggaggc tgccattcag agaaatccct 420

ccccaaaggt catgtcagta gacccactag gaacaaaagc tctgactatg tgcagcttct 480

taa 483

<210> 9306
<211> 574
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (49)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<400> 9306
tgttgttgga gacactttcc ccgtgggctg ccgtccccag gcctccgtnn tnnnnngnnn 60

ctntacnntn cagnncnntc nngncnnnnn nnnnnntcnn tncagcacag aacttggcat 120

gtaccagccc cactgtggac ttgagaatgt ccttatgtcc tggggccatg atgagtacct 180

ataccagatg atgaagttca acaagttctc cctaccttca gaggccttct acatggtccg 240

attccattcc ttctatccgt ggcacaccgg cggtgactac cggcagctgt gcagtcagca 300

agacctggat atgctgcctt gggtgcaaga gttcaacaag tttgacctct ataccaagtg 360

ccctgaccta ccggaagtga agagcctgcg gccctactat caggggctga ttgacaagta 420

ctgcccgggc atcctgagct ggtgaatggt ttctaatacc ttctctctca ctgctgaggg 480

gcaccaaggc tggacaactt cagggacaat aatagcccat gccacctggc cacagtcccc 540

acccatcaca gttgaggtca cttttgcctg gcta 574

<210> 9307
<211> 146
<212> DNA
<213> Rattus norvegicus

<400> 9307
gtgggcattt acaccaatat ttactcatat gtcccatgga ttgagaaacc ccctaaggag 60

aagattaaat gaagccctgc ttttccgtcc aaatttcacc gtttttgcca ttggccaaag 120

gagcttacat gttccctaaa ctcaaa 146

<210> 9308
<211> 273
<212> DNA
<213> Rattus norvegicus

<400> 9308
atagggaatc tatccttgaa ggaatctgaa agcttgctaa caaaaaccga tatccatgaa 60

cctcaccttc tccaaaaccc aaaagtaaag gaaaatttgt ctgagaataa ggagtaaatt 120

ctgcctccag tgatttgatt tcttcataga acgaggcaac agcgtgtttt gagggtttat 180

agacttcgtt tatcttggtg tgtatgttgt ttttttcttt atagaatctg agactttgct 240

ttatgtgtgt gaattctggg atctatttac tct 273

<210> 9309
<211> 291
<212> DNA
<213> Rattus norvegicus

<400> 9309
gagtgtatca acatccatgt ctagttctta ctgcagccaa agcgtagaag cagctgaaga 60

ctggttttct gataattctc ttgaagccaa gaacccctca aagcctttgc tcggggagcc 120

tctagccgag aaggtgcttg catacctgtc atccatttca ttagaagaat ggcctggaaa 180

ctcagcgaac acaacatttt gtagtgcaga aaaagctgag agcgttaagg aaatgtttgt 240

acaaaaaaac acagaggtta gcaaacacaa ccttcagttt gacattgaat g 291

<210> 9310
<211> 244
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<400> 9310
tctagattct ctgccagcat cggaatgtgc aagccggaac gtggagtcac ctcaggtgac 60

actgaaacac atgagccaga gctgcagtcc catgggtgtg agcagcatgg tcctccaggt 120

gctgggcttc ctggtggaca ccgccacagg caataagnta gagaccccca cacagacaag 180

acacacagag agacagagac acagatacat acaaggggag aaagacagag acatacagag 240

ggat 244

<210> 9311
<211> 326
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<400> 9311
aactgatcct tacgctggtg cacaatctaa gcacttgtaa ccaccttcgc tgtgaccttg 60

ctgccaagct cctgntaatg atctgtgtgg agcctggctt caggaaggag caggtagctg 120

agctcttgca aggtctgttc caggagctgc caaacatcca cctcaaaaat gtgcagcaga 180

ccataagtca ggccacgttg gctctgggga tccagcatat ccaggaggtg gtggaggtga 240

tcttatccct atgtcagccc tcagagaggt ggatcctacc actgtggaag gctctggccg 300

ccaactacca cgtggctcgt gaagtt 326

<210> 9312
<211> 315
<212> DNA
<213> Rattus norvegicus

<400> 9312
tatcaagtcc ctagatggct ccgtggatga gaagaaactg cgcgagctga cacatcgcta 60

tctgactctg acggcaaggc tggagaagct gggctacagc cgcgaagtgc acccagtgtt 120

cagcgagttt ctcatcaaca cctacggcat cctgaagcag cgtccagact tgcgggccaa 180

cccactgcac agcagtccgg ccgccctgcg caagcttgtc attgacattg tgccgcccaa 240

gttcctgggt gactccctgc tactgctgaa ttgcctgtgt gagctctcca aggaggacag 300

caaaccactc ttcgc 315

<210> 9313
<211> 373
<212> DNA
<213> Rattus norvegicus

<400> 9313
gatgtgagac tgaccaaggc tctacaaatg tttctgctta cagctcagaa ctgcacaatt 60

ctctgacatc agaaatacag ttcctgagga agcagaatga ggccctcagt acgatgctcg 120

agaaggggtc caaagaaaaa cagaaagaga atgaaaaatt gcgtgagtcc ctggccagga 180

agactgagag tcttgagcac cttcagctag agtatgccag tgtaagggaa gaaaatgaaa 240

gactgcggag agacatcagt gagaaggaga gacaaaacca gcagttgact caggaggtct 300

gcagcagcct ccaagagctg agcagggtac aggaagaggc aaagtcaaga cagcagctgc 360

tcttacagaa aga 373

<210> 9314
<211> 399
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(312)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<400> 9314
agaagtcaca cttgtcctag acagccctct tgtggaatct ggagagagcc ccaagttacc 60

ctgtcacaca tcagagctcc gagccgtgag taacaagaaa ggagtggtga ggaaacccca 120

gccagtccgc ctcagtggag tagattctgt ttttggtagg gtcatcacag cccagccacc 180

caagtggact ggaaccttca gagtttcaga caagtcagcc ttntgcaaaa taatcagcag 240

ggagcaccgg tggcctactg gactcaagga gcctcagatc caaatgacag tgactatgtg 300

caaacagatg nnacgctcaa tcctcctgct gtatgcgact tacaagaagn gcacctttgc 360

cttgcagcac tccaagtgag ggtccccatt tgacacctg 399

<210> 9315
<211> 526
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<400> 9315
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atgaaggtta tcagtaccat cgacatgtta gaggacgccn ttacagggga natangagga 120

ggtcagggat gggagatggc cacangggac aacacactta atggctggtt gtcgctcgta 180

ctgtagagct ctagcctttt cttaggtgga atatttctga aggctttaaa atcattataa 240

taaaaaccca aattggaact atctcctccc ctccccttt ccccttaatt tcctattctg 300

atgagacttt ggacataagt ttaaggggca gatgaatttt tggcattgtg gttttttctt 360

actcagaatc tgtttattgg gttactgccc ccataagaag taaacatgac ttttaagtat 420

ttttttataa acagctcant ntaaaacata gacagtgttt gatttttttt tccttgtgta 480

agtttgattt aaaacgttgg aaatgtgtgc tttttagtgt ttacta 526

<210> 9316
<211> 381
<212> DNA
<213> Rattus norvegicus

<400> 9316
aatagggcct tggtggctca gctgctggag tgggagaaag ccctccacgg ggaatatctc 60

acggacatct ctgagcctat ctactaacct tcgcccgtga cccagccatg gtctctgagg 120

agtctgggtt gggacttttg ggggctggga gtctgggttt ggagtagtcc tggagaagac 180

ctttgctgtc tggaggttca tatctgcatc ttaagactgt tctgttgttg ttgttgttgt 240

tgttgtttcc cccaatactg aggattgaac ctagagcagt gagtgcttct caaccttcct 300

aatgctgtgg ctctttaata cagttcctca tgccatggtg accttaacca taaagttata 360

ccattgctac tccataactg t 381

<210> 9317
<211> 450
<212> DNA
<213> Rattus norvegicus

<400> 9317
agcttggctt ttcatcttgg atcacagctt cagtcttggc actaggagga cactttctgc 60

ccctgccctc agaggccctc ctgggattgt ctcactagtc tgtagtcatt cagacttaag 120

ctctagaaat aattcactat tttctcaaac acaaactcca gatatcgatt taaaaatgga 180

gagcacattt gtcatagttc atgatcacag attgtcccaa ccttagccat gggcagcagt 240

gtgtgccttc ctgacagtcc catagtcgct ctggcaattg tcccacggtt tcagtgctgt 300

gcggcactgt gacaacttaa tacaacatcc ccagcactga tattgatgtg ggtgggtttg 360

ttccatttcc ttttactggc aatgtgtgtc agctcttctg ttaaatagga cttctcacgt 420

aaacagttgc ttgaatgttg atgtgcctca 450

<210> 9318
<211> 453
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<400> 9318
ttgggattcg aaacctttgc aggcatgcgt gcgtgcgtgc gtgcgtgcgt gcgtgcgtgc 60

ctgttcctca tattggatgg tgaataggca tgcaggagaa gtcacgatta aagtggcaaa 120

actgtgtgca aatacacaag cccctagggg ttcttacagg ctgatcgctg acaaccagtg 180

ggggtgttgc cagttgcatc ctggactcac aaagcagaca tgcactttgc taagaacaga 240

ctcttgcgtc atntaatgga tcaaaatgaa ggatggatga tttttgagtc aggagggtga 300

aagcacctga atgccctgta agtgctacct gccttttacc tctgcaaaag cactgcttta 360

ttggaaatga tcatttccta aaacaaagcc ggaacagtag gagctttggg ttttgtacaa 420

agctaccctg aaagtcagtc tagctcatct cct 453

<210> 9319
<211> 482
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<400> 9319
aaggcagaac gtctacctgg agctagaggc ctggaaccac agtccccagg gctgggagga 60

cctctgggtc tcctgtcttc gtgttctcac ctcctcaaca ttgcctctgc ctggtctctg 120

ccgccttcct gccttcctac tctgtttctg agtaggcatc agttaccaag ttggacggtg 180

tccctgacag accgtagctt gcctcaagtg gctaaaggga gagctgacca agaacggaga 240

tgaaatttgc cccttacctc tcccgttctc ttcacctctt acacccttтc ctatcccgga 300

cattgataac ttctgccact ttcctaaatg ggatcctcac aggttccacc tccctccncc 360

agcccccntga ttcccttcca caacacctgc ctgggcgtct ctcttcccaa ggcccccttcc 420

ttgacatttt ctgggaactc tgcctcctgg gcttcccatc tggactggct gcctgattgg 480

ct 482

<210> 9320
<211> 481
<212> DNA
<213> Rattus norvegicus

<400> 9320
agtgaggaca ctttctaccg gacagcaaac tcgcagcact ttaaggggga gcagtggagg 60

cagtggaccg cccagagggc gtttgtggcc ttgtatgtct ctgctcacag aggtcacgtg 120

gatgccgtgc agtatcttct agaacttgga gcgaactgcc tggccaaatc acccctgggc 180

aggacacccc tgcacgtggc cgcagccatg ggcaggacag aatgcatcca gcccttactg 240

gaacatggcg cctccatcca cgacagagac ttgaagagcg aaacgcctgt cactatcgcg 300

cggcgcctga agcgggggaa tttcgagcgc aagatgttca ttctctactg gatgatcaag 360

tctgggacca gggaccctga cttagtatcg agggatgctt cagagaaaca cagccctggg 420

gtcatggcaa ggaagacctc agtgttgatc tcctgagtac ctttgcccgt catgtgattc 480

t 481

<210> 9321
<211> 380
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<400> 9321
gggagggctg tgatcactgc atcttgcggc cggccgcggg tgtgggtggg cctccgttgg 60

gagccagcgt ggacagtgtg tggggaccgg tttcccagtc ctctccgcac agcagccncc 120

gaggtggttt aactggcgtt tggtggcggt cgggtttctc gcagttagat gtcatctcag 180

ctagtgtgac atcaccccaa accagtgtga tccccccccca acaccccaat cacatcccag 240

cgattgggca gcgcagggag acattgactg gagatgaccc tgagggtgaa gaattatctc 300

ggtttatact ccaactgttt gctgcgatgt cnatttcatg gcaacataag aaatttagat 360

gcttccgtat gctcaagcgc 380

<210> 9322
<211> 145
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<400> 9322

tggagggcgc cctacagaaa tggacttcga agtagtntga atcacccttc cagatgnnta 60

ctgtaccccg aactcattga acaggagant gggtttcctg agctgggatn ttntgcctcn 120

ccgtggactc ggaatcagag aagcc 145

<210> 9323
<211> 188
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<400> 9323
tgggacttcc gatttccaaa tccttcccag gctttagcag aagtgncntg tgttgtntgg 60

acctcccacg gcctccagtg ttgattggac ttgagattga tccgtaggga aaggactctn 120

tgctccgcct ttgaaggagt ccacactcct cttgcaccaa gcaagaagaa aaacttcaga 180

gcagccct 188

<210> 9324
<211> 172
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(32)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<400> 9324
caaatccttc ccaggcttta gcagaagtgn cntgtgttgt ntggacctcc cacggcctcc 60

agtgttgatt ggacttgaga ttgatccgta gggaaaggac tctntgctcc gcctttgaag 120

gagtccacac tcctcttgca ccaagcaaga agaaaaactt cagagcagcc ct 172

<210> 9325
<211> 322
<212> DNA
<213> Rattus norvegicus

<400> 9325
tggtagcttc aaacctacgt ggtcccttca gctggcactg tttccccaaa gtgtctacaa 60

actggcagaa gagacattgc ccgtggtatg cagtgacatg cccactctct gtgctggttg 120

ccttaatcag ggaaggatgg actctgctct taccctgctc aggacaaggt taggaatggg 180

gaaggcgtgg ttccgctgac gaagcacttt ggacagttgg tggctgctgg ggagagtcag 240

ttttcttcaa gagtgcagcc ccctctcccc ccagtaggct gactcaaatc cagtggttgg 300

cccaacccaa tatccatgag ta 322

<210> 9326
<211> 319
<212> DNA
<213> Rattus norvegicus

<400> 9326
agaccacata cttctctctg gagagtgtgt gtgaaggttt tcacccgtgc aagggagact 60

gggtagaggc tgaatattgg atcaggccag ggacatggag cagtgaggcc atctctgtga 120

agcctctgag gtacaagcgt gtggacaagg tttgcatttc cagcctgtgt gggaggaatg 180

gggtgataga ggacagcatc ttcttcagcc tggactcctt gaagctgcca gaagggtaca 240

ccccgaggag acatgacatc gtcaatgctg tggttgtgga gagcagccag tcatgctaca 300

tctggagagc actgtgcat 319

<210> 9327
<211> 294
<212> DNA
<213> Rattus norvegicus

<400> 9327
agcaggagtc ccgtttgtgg tgtttggttt cacagctgtt gaacccctca gtgctaaggg 60

gccgccacgg actcgtcagc gcagctttgg cctctcccgt gggctcgacg tgcgtgggct 120

caacgcgccg cagctgtgct ctgatccccc acgtcaggca tgtacgccgg gctattctca 180

aaccagtgac ttctcattag tgatgctcaa ggccaggggg atgtggattg acacatctaa 240

ggtcctgaaa gtaaataact accaaccaag atctctagat acagcaatgc tttc 294

<210> 9328
<211> 175
<212> DNA
<213> Rattus norvegicus

<400> 9328
aggagatctg gtcaacatgg aagcagcaaa tccatgagaa actgaggctt caggaggaag 60

agcgccagca caacatggac tgggacctgc gcaggacccg gaaggctcat gccagcctgc 120

tgcaggagcg acaacagcag cgtttgttgc gggaacagcg cagggccttg gactg 175

<210> 9329
<211> 296
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<400> 9329
gtcacttgtc cagacactaa ggcaggagtt gctatgaaag catttttgc ctgcgattga 60

agaccataat ctgctgattt tagccgagcg agagagccct agagagnccg gttggtctgc 120

cacaagactg agagtggagc tgatgcttcc tcaaggagga aaaagtctgc ntgagcccca 180

acacttcagc cagtgctgtt tgtcctgatg ctgctctctg ggattttgga cctgcctggc 240

ttgccccaca gccacataaa acattccgtn tggtaaatct ctgtgtgtta ctcccc 296

<210> 9330
<211> 160
<212> DNA
<213> Rattus norvegicus

<400> 9330
gagaagacca gagaacattc ttgaatttgc tgcatactat ttcacagatc caagacttcc 60

caacaaaatt cacatgcagc taattaaaga gaagaaggga gcctaattag caagccacaa 120

tgctcagctg ctgggagaag gcagaaggag tccagccttg 160

<210> 9331
<211> 267
<212> DNA
<213> Rattus norvegicus

<400> 9331
ggaggaagtc gcatctaccc cgtggctggg gtcacaatta ctactaccat gatgctggtt 60

atctcacgcg tgatgttgca ccggtggcga gctaaggtgg ctaagggtca gctcccacag 120

gtgaccacca attcctgcaa acactggaaa cgacagccca cggtctcaga ccgcaccctg 180

gtcctcaggg tccttcacat gctggatgcc atcctgctcc acattgaggg ccacctgcag 240

cggctggctt cccaacaaca aattcaa 267

<210> 9332
<211> 237
<212> DNA
<213> Rattus norvegicus

<400> 9332
gatccctacg acttcgcaga tgacacccta gatccgctgt gacgtgcgtg ggcagggtcg 60

tgggacatac tgtgcaccct gcccggggtc acacaggatc acgcaactga ggactacctc 120

ctcggcggcg gtgagttcaa tcgactgagg acaacctcga cactcccatg acatcctgtg 180

accccacgtg acctcgcacc ccactgtgcg cagaaccgtc gtctgtaatt tttgaat 237

<210> 9333
<211> 279
<212> DNA
<213> Rattus norvegicus

<400> 9333
ctcaccctgg tgagaatcct taggagctcg gtgcgagcgt gtgcaatcat tgggtcatat 60

gtaccagctg aaggaacatc attgcactga aacagaagaa aatgtcctcg actgggaaag 120

ttttcaacag ctgaaggctc gtctttcatt ctgtgccgag aaacctaagg tgggtttcaa 180

acacaagtca tatttcagta gacccagtag acctgacact atagatactg atcatgtgaa 240

aggctttacc acaaagtcaa ttccttatcc atgttttta 279

<210> 9334
<211> 292
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<400> 9334
gcccagcgac atattaattt ctgcaaaaat cagacctctc ggcgcgtntt cgactcaaac 60

caaatggcag ccagactggc agccagagct cagggtaagg ccccggcgag tcccaaaaaa 120

taaccaactg ttacgagtgc tgtgggtgcc cttcggcaga gcaggactgt ggagaccaaa 180

aaataaaaac cgacagcctg gctagttcca gtaagtcaga gcacgcacca tgtgcttgtg 240

ttgtcaagtc atgggagcag agcctctgtc ctgctgctgt gatgaccagc tg 292

<210> 9335
<211> 272
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<400> 9335

gagaaggaat cctcagtcct ggaatgaatg ctggaatgag gtcgattctg ggattcagtt 60

tcgttcttgg agttacacct aattgagcta ccctggaaat gaaattgttt tgtatttcgt 120

agcggtagaa aaagatgtta aanaggttgt tatctaaagc ctagttcata aaaataagac 180

atatgnacgc tcctatttgc caaatcctgg ntcttttgaa agagcagcaa ccagtgcttt 240

taaccacgga acaatctctc tagccctaaa tt 272

<210> 9336
<211> 453
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<400> 9336
tgtagttccg gtcattctcc agaagccacg caacagcacg gagttgtgag aaagtcctta 60

cgagtttcac cgataaccag tctggagtga atcagatgtg tctgcttcac ggccaggatt 120

tcagtgaatt atgccttttc ggtttgggac ccagccaagg aggtttccag tggaaggagg 180

agactcttca attgagctag aatcaggcct gagctccagt gcttcctgta atgggaaaga 240

gacgtcaccc aacaggcaac tccgaagatg ccccggaagt cattgcctga caataactga 300

tgttcccatc accgtntatg caacaatgag aaagccacct gcgcaaagca gcaaggaaat 360

gcgtcccaaa tagcatcatt aagtcttctg tcgagggttg actaggtcaa gggtaatggg 420

ccagtatcat ctcgtggtct gcctggtaaa caa 453

<210> 9337
<211> 495
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<400> 9337
gggcgtctgt gacctttcg agtcccccag ttccagctcg gacggtgccg acagccccgc 60

agtgtctgcg gtgcgggact gcagctccct actcagctct gcccagccct tgacagcgct 120

agatctccag accttccgag aatatggcca gagctgctac gacttccgaa aggcgcagga 180

gaacctttc cacccacggg agtcgctggc gcgccagcca caagtgactg ctgaatcccg 240

ctgtaagctg ctcagttggc tcctccaagt ccaccgccag ttcggnctct ctttcgagtc 300

gctgtgcctg accgtgaata ctctggaccg tttcctcctc acgacccctg tagctgcaga 360

ctgcttccag ctgctcgggg tcacctgtct gctcatcgct tgcaagcagg tagaagtgca 420

cccacctcgc atgaaacagc tcctggccct gtgcggcggg gctttctccc ggcagcagct 480

gtgtaacctc gagtg 495

<210> 9338
<211> 485
<212> DNA
<213> Rattus norvegicus

<220>
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<222> (190)..(190)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<400> 9338
aacctccaga cccagcaaaa tgtggtctca ggaactgcag gagacatgga ataggacaga 60

tcccaggaag agagcccccc gaagagtgag tttctctgtc aggagttccc tgctgacgac 120

aatcctcaac agtcaaagac ttttttgggg agaatattct tcttctcagt taatttcctc 180

attgtatagn gaccctaaat ttatgtatcc gtatgccagc ctgtctcatt gaggtctttn 240

tcctctctca taccgacaac accatttgng agacatctga ggggactgcc ttgaaatctc 300

gtgtcctaga ggagaaacag cactacaact gtgtttntaa atgttcatta agaaaatgct 360

gttaagaaat atttttggtt atgattttca ttgaagtttn ctttttgtta tatcatagtt 420

atatattctt gttnctgttt ttcatttttt ataccatttt agttgttcat tttatgcctg 480

ttttt 485

<210> 9339
<211> 494
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

<400> 9339
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ccgtgaactg aagcttcatg aagagagact catgtgaccc tcgtgtggaa gcgaatggaa 120

caaagaccaa cttttccatt tggacccctg gtttctctcg aatgcagttg tcccatcctc 180

agcctttgaa tgaaatgact gtgctggtgg tcccacgccc aggggaaaca tccngtcccc 240

tagaggaccc tcagtctgtt ggaaagtgta atgagtaaga ctcagtgagc agcagaggct 300

gagaaagttg ggggccaagg agcaggtcag agtttcccca cttctgcttt taactctcct 360

ccactcaaaa tagaaactat ttccacctta ctccctgtcc ccaacctcag cttcaaggtg 420

gtctaccaca aacactctga gtgacagtag gggagtcacc anctctcctg tgagtctgca 480

caccaagctg agga 494

<210> 9340
<211> 259
<212> DNA
<213> Rattus norvegicus

<400> 9340
aagctacgtc aggaacttgt ataagaaaag gcctttcccc tggtttgatc tgactactgt 60

gcaaaccaag gaaactccct tcagccagca catctccgct actcgtgctc ttcaggacca 120

cattagtctt ctctactgtg aatcatttgg cctctccata ggcgaagaag aactgcctta 180

catttccacc gttctccaac ctctagaaga agtctcggat tgacgagagc catgcattgt 240

gtgcaatacc tgagtgaag 259

<210> 9341
<211> 379
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (83)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<400> 9341
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atactacctg ctcagggatg gcnntaccca tagtgggctg ggctntctca tggcaatcat 120

cagtcagttg actctaggtt atgtcgagtt tgtcaaacac aagcagaaca gagaggaaca 180

gcatcccgga agactggcag gcaggcatcc agcctagtga gaaggcattc tgaggacctg 240

tgatcacagc cccttcccct gaggtcttgc ctttgggtga catagaggta tcgatgtcct 300

gggatacctg accaaggccc cactatntgc ntcctcagga aaaagccttc taaagtgttg 360

tatctaagtg ttgcctttt 379

<210> 9342
<211> 268
<212> DNA
<213> Rattus norvegicus

<400> 9342

aacattttga tcagtccaga ggaatctagg gtcacccagg acacagataa aaacacccaa 60

ggccaagcag aggacatcta tgaggaagca gaggacatcc atgaggaagc agaggacatc 120

caggaggaag caggggttac ccaggaggaa gtccaacctc ttgcacaacc aaagagtgtt 180

tctggcccgc gctactcctt tgatgtttcc ataccttgc cagcatccag cgtattccca 240

gaagattcat acaggaatgc cccaccag 268

<210> 9343
<211> 295
<212> DNA
<213> Rattus norvegicus

<400> 9343
agttccgctc tccaccaaag aaagcccaaa gtatttcccc cagcaaagac ttcactttca 60

atactttaac ccagctcgag atggaactgg tgaaatttgt gtccaaggtg cggaacctta 120

aagtctccat ggcaactagc agtaactcca ggctgcagat cccagatata cccatggacc 180

cgtacaataa tgtcacgata tatgagatat ggggggagga ggagtctgag tgaaggggtt 240

tatagcaaag tataagagaa aacaagtcta gtattgacag acagtatcca aacta 295

<210> 9344
<211> 329
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<400> 9344
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actatnccgg accgnnnagg nnnnnnangg agagaagaag gagagatcca gatgcaccgc 120

ggaagccacc atcctcgttc ctgctcttct cccaggacca ttttgacgag ataaaagaac 180

aacacccaaa ctggactgtg gcgcaggtgg ccaaggctgc agggaggatg tgggccaggt 240

gttcagaagc ggataaaatc ccctacgagg agagggctgc ggttctgagg gccaagtacc 300

ttgaagagcg ggaggcctac taccaccaa 329

<210> 9345
<211> 510
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(410)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<400> 9345
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gtgttagcat ttagaagtgg cgtctcccga ggcagtctgc aggagcaggg tccntactgc 120

ctactgcagg gaatcggaag acggaaagac ctggagcgcc tgtggaagag acacaccttc 180

ctacgctggg caccctgcga actggaattg agccagcagc cacctctgga atcatcctac 240

cagactgatt ttcggtcagg cacaggactc agtcagctcc cccagcgcct ggtccagttt 300

atgcaggtcc agcctcccta tgccaacacc acttaccaac ataacttntg ccagcnannn 360

nnnnnnnnnn anngtggtag cgtcaagtta aggccccatg agccagtcgn tgaaacantg 420

cccggcctcc cgggaatccc aaaacccaag ttgntgcagc actacctcca cgccggagtt 480

tctgagtgtt tagactggtc ccaagcacta 510

<210> 9346
<211> 531
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<400> 9346
gcgaggtcca cacgtccagg ataaaagcaa aggcatgcca cgtgtacacg tgcaagccag 60

ccctccagag ccctcagcct ctgtattctg agagcaggct ccactgggag ccagtcccac 120

agcgctgcca gggtgacctg gaagatgtcc ttttgtgtnt gtggagcctc ttccttgaca 180

caggcaatta aaaccgccag atcccagaag ccccctttc tgtgctgtca ttgctaggtg 240

ttctcggacg gccgcctttg gctgactccc tgacatttca ccatagatct ttatttttaa 300

taaggaggcc cataaatatt attgacaaga attagtgaat tattaaaggc aacaattgag 360

aagaaaaagt gcctttgttt ccagttgttc tgagaccaag catgacctaa gagtcacagg 420

cgagaggctg agaaagccct gtccttccag gctcctcaga ggccagaaca gttcaaggat 480

gcctgagaca gcgccagctc gctcacaccg gaaccccagc atgtagagag a 531

<210> 9347
<211> 319
<212> DNA
<213> Rattus norvegicus

<400> 9347

ataacccaag tcttgacagc ccttgtgggg ttccagaaga aggcactttg tctgagacag 60

acagggagac ttgtgagcag accagcactg acagtgctac caggcgtgcc agcgacaatc 120

ctgagctccc atcccagaca gaagccatag ccccttcagc tcatgaagac ccatctgcca 180

gggactctgc tctccaggac acagatgaca gcgatgatga cccggtcttg atccccggtg 240

caagataccg agcaggacct ggtgatagat ttaatatcag aggaacaaca gtaggtgata 300

gaataatgag gcgctccgc 319

<210> 9348
<211> 488
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<400> 9348
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gggcggcact ctggacgtgg aggttgcgga ggcgacagcg ggatgtgcgt tcacccgctc 120

tagctctcag tctcacggct tccctgggcg acccaccgca gcagccagcc cgcgacgctc 180

ggggcggcgc cctctggcgg cgggaggcct tgcgtgccgc cccgcagacg ccaccattgg 240

ctgcgctgcc agcgtcaggc caggaatgga ggcgccacgt cggggccttg gggctgcgga 300

agcggcggcg ataggcgnaa cccnaggtgg tcacacggaa aggggtgagc gaccgcaagc 360

tcgtgagccc agtgtcctcg ccctctccca cggcccttgg actagagaag gagacctaga 420

ttcatctgcg cacaggtgtc actttctccg gaatttgttc cttgcagcaa cttatgccga 480

gcgtcctt 488

<210> 9349
<211> 317
<212> DNA
<213> Rattus norvegicus

<400> 9349
gaggtggagc tggaccccga catccacctg gaggacatcg ctgagaagac agagggctac 60

tcgggcgctg acataactaa catctgcaga gatgcttctc tgatggccat gaggcggcgc 120

atcaacggcc tgagtccaga agagatccgg gccctgtcca aggaggagct gcagatgcct 180

gtcaccagag gggacttgga gctggcactg aagaaaatcg ccaagtctgt ctctgcggca 240

gacctggaga agtacgaaaa gtggatggtt gagttcggat ctgcgtgact ggtcaccgtc 300

ttccatttcc gggagtt 317

<210> 9350
<211> 471
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<400> 9350
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aggaaatctt tgacaatgaa ctcctggagg agaggaaccg tcgccgtcgc tgatgccgta 120

gtctccacct gnccagcacc gtgtctgtgg cctgccagag gcctgtgaga atgtgctaga 180

agcaagaggc ctagtaatgt gctgactttg atctgtgcat gggttctgcg tcttcagccc 240

tgagcctggg agatcagagn ccatcttcac actagaagac tgctgcatct atgaacagct 300

gcttctggaa gtttctgtgt gtgtacgcgt gtatgtttgg ttttatttt ttaattatta 360

ttttgtttat aaatgcgttt gaatgcaaaa aaaaaaaaaa aaangcagtg tggctggcat 420

gtacgcttag gtcttgtgtt gcttggtgtg tcagccctac agagtttctg g 471

<210> 9351
<211> 490

<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<400> 9351
aggatggcgc agaacccagt gccaactccg tgtcggccca caacctcctc cggttacacg 60

gcttaaccgg ccacaaggat tggatggaca agtgtgtgtg cctgttgaca gccttctcgg 120

agcgcatgcg ccgagtcccg gtggccttgc ctgagatggt ccgtgccctc tcagctcaac 180

agcagactct gaagcagatc gtgatctgtg gagaccctca ggccaaggac accaaggccc 240

tgctgcaatg tgtccacncc atctacattc ctaataaggt gctcattctg gctgatggag 300

acccatcaag cttcctgtcc cgtcagcttc ccttcctgag caaccttcga cgagtagaag 360

accgggccac ggtctacata tttgagaacc aagcctgctc catgcctatc acggatccct 420

gtgaactacg aaagctgcta caccaatgac tgcccagaac tctccaagct gggccagagg 480

ctatgccaaa 490

<210> 9352
<211> 261
<212> DNA
<213> Rattus norvegicus

<400> 9352
gggatgtgtc acagttcagg ctcgtgaatg aggtcttcac catagacgac actctacaga 60

cgctcaaact gaggcttcgg gagacgcaag atgcgttgca gctgctggtg atgaccaagt 120

ctcggttgga gcacgagctg gccatcaaag ccaacacctt gtgtattgac aaggagaagt 180

gcatgcgcat gcgcaaatcc ttccccagca cgccccgcct gactggctac acctgctctg 240

gcataggctc aggcccttat a 261

<210> 9353
<211> 270
<212> DNA
<213> Rattus norvegicus

<400> 9353
gaaaggtgca acaacttagt ttagttataa aaagttagtt ctaaagtttg atttggggga 60

aaaatgaggt ttctctttaa tgcatttaga gcgattgctg atttgagctt ttgttgttgt 120

tgttaagctt aagtatgtac gtggagattt gcttgaaatg agaaacctga tgtttgcaca 180

cctgtcctat ggaagcttgg ttacactaag atacagagaa gcttgaatta tttttatgta 240

ctatgagatg aaagtaaaca ctgcggtaat 270

<210> 9354
<211> 214
<212> DNA
<213> Rattus norvegicus

<400> 9354
ggaccacttc gccaagctga agcaagagaa ccccaactgg acagtggtac aggtggccaa 60

ggctgccggg aagatgtggt ccatgattac agatgtggac aaaagaccct atgaacagaa 120

ggccgcaatt atgcgagcaa agtacttcca ggagcgggag gcctacctca gccaatgcca 180

gaacagtaag atcaacctcc agggatcgtc caaa 214

<210> 9355
<211> 278
<212> DNA
<213> Rattus norvegicus

<400> 9355
ggaactcggc cagctctgga tactgctaac tcctgctctt ccaggagaga tttcattggc 60

tgctcctttt gagtttctga gagccaagtt cagctgagac tgctcagtgc tcatcttccc 120

tccctctgcc atttcttgca aatgtctaac tgttgacact agatgactac tcacaaagga 180

agtagtcaca aaaaaggtca aaagtcattt gagagtcaca gatgatctct caaacttgat 240

gtattaaaat gtgtctcacc cggctttcac aaataaag 278

<210> 9356
<211> 265
<212> DNA
<213> Rattus norvegicus

<400> 9356
tgccagaggc tacacaagaa gattctggag ctggagcgcc aggccttggc caaacacgtc 60

agggcagagg ccctgagctc cacccttcgg ctggcccaag acgaagccgt tcgggccaag 120

aacctactgc tgacggacaa gatgaagccg gagtgaggac ggaggcagag ggcatgggag 180

gaggggagaa ggtggccact ttggactata tgcatttgaa gatgtgttcc ctccacgacc 240

aactcagcca cctgccactt gaggg 265

<210> 9357
<211> 343

<212> DNA
<213> Rattus norvegicus

<400> 9357
ttacatgttc agtggccaca ccgttgtcct aaccatgctg aatttctttg tcacagaata 60

tacgccaaga agctggaatt tcttgcacac tctctcgtgg gttctcaacc tctttggaat 120

cttcttcatc ttggctgccc atgaacatta ttccattgac gtgtttattg ccttttatat 180

cacaacaaga ctctttttgt actaccacac tctggctaat accagagcgt atcaccagag 240

caggagagcg agaatttggt tccctatgtt ttctttcttt gaatgcaatg ttaatggcac 300

agtacctaat gaatattgtt ggccattttc taaaccagca ata 343

<210> 9358
<211> 334
<212> DNA
<213> Rattus norvegicus

<400> 9358
gtcctactag gaccgcttga aaactgagcc cgcgctgacc gagcctgggc cggatgggcg 60

cagcggaccc tgccgcggac cgccgagcgg ccgttgcact ggctttctct tgtcccagtg 120

tgtggaccgc accacacgcc ctcctgacca gcaacggctc ttgcgcatgc ttttcggtgt 180

ttttatcgga gagtccggca gagccctagc tcctccagag ctggcccaga accgagtgac 240

aagtgcccag cagacatggt aaaaatgacc aagtccaaaa ctttccaagc ttatctgcca 300

cactgtcaca gaacttacag ctgcatccac tgca 334

<210> 9359
<211> 387
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<400> 9359
ggctagctcc tcatgctgga actgcccccg cgagtcagct caggaaccac agctctacct 60

ttctgaggat gccaccgtga gcagccgcct acccttcatc tccagggcca ccgccccaag 120

gccaagggga ggcctaanaa ccttcctgga cacccctaac aatccggagc aggtgggcaa 180

atcgccctgt cccgggagcc agaagctgga atcctttctg cccagtttgg tgctgcagac 240

cgttntaaag caaggccgcc ntaagggcta ccagctcctt ctgccgacca caaaccggca 300

gcaggctcac aggtgaatgc ctgccagagg ccccccctgct cagaagtgta cccatgccag 360

gcaatgagga gagtgcttct tcgcccc 387

<210> 9360
<211> 516
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<400> 9360
aaggacggca tgttccacgg agatggaacc ctgttcttcc cccagtggga gccgattcga 60

cgccatctgg gagaagggac tggtggtgtc gggcaagtat accttcaaag acgggctaca 120

gtatgaggat aaacactggc actactgtga cagctatgac cggaggttct acaccgagat 180

atgctatggc ctgaagccct caggtatctc tcagctcacc aacatggacc cacccagaaa 240

aatcccccct ggctactatg actgtggaga tggcttctat aaccccatga ccagggtcat 300

caaggattac cggaaccgct ttctgagaaa tgcagatgat gacgaacatg agtggatcat 360

caggacctgc cgcaagggct ggttggtaac agcatccaca cagaagtccc agntgtgaac 420

atcccaacca ncctcggaac ctcaccagag acttccctct gcccacagct ggcctgggaa 480

actggctgta gtcctagctt cgatttgggt ttcaaa 516

<210> 9361
<211> 242
<212> DNA
<213> Rattus norvegicus

<400> 9361
aaggactgca accactttca gacgactgta acatcccagg actttgaata tcagaccaag 60

gaacctgctg aagagccatt gagggccctc aggaagtggc tgaagacaaa cttgcacggg 120

tttttggaga agctagagaa agaggtcaga gagctggagc agctggtgcg ggacctggaa 180

ttctggctcg atgcgcttct gggagagcca cactcagagg atccctgctt taccacgaag 240

gt 242

<210> 9362
<211> 143
<212> DNA
<213> Rattus norvegicus

<400> 9362
gtaaaactca aatgtcgtgt gtctctgaaa atccaaatgg aaaatgctct gatgttcaga 60

aagtggagct gtgtgtctta cgtcttagta gaattcatca gcaacagacc taaagaaatt 120

ggaaaccagg aattcaagag gat 143

<210> 9363
<211> 150
<212> DNA
<213> Rattus norvegicus

<400> 9363
gagacctgcg ctggcctaag caaggcgtgc actgagcacc accagcgtct gcctggggca 60

ggctgtgtgc tgtgcctggg tgagcatccc tgatgttttg aagaacaaca ggttgccttg 120

gcattgtcat ttgttggcac ttctggcatt 150

<210> 9364
<211> 232
<212> DNA
<213> Rattus norvegicus

<400> 9364
atcatcatta gccttgtgga agctggagct cataccgaca tgacaaacaa gcagaataaa 60

actccgctag acaaaagtac aactggggtg tctgaaatac tacttaaaac tcagatgaag 120

atgagcctca agtgcctggc tgcccgagca gttcgggcta atgacattaa ctaccaagac 180

cagatccccc ggactcttga agagtttgtt ggatttcatt aagtgactgg at 232

<210> 9365
<211> 120
<212> DNA
<213> Rattus norvegicus

<400> 9365
agtttcatgc cacagaggcc agactcgacc cgcaggtctc agaactttgg gggctttgat 60

tcagccaaga tccttccaga tcaccaaagg accagaaatc aagccagctc agctcagagc 120

<210> 9366
<211> 168
<212> DNA
<213> Rattus norvegicus

<400> 9366
taacaccaac cccagttgcc gggcacagca ccaccgctgt ttccttcctc cgttgacctg 60

cgcagtccac gcaggggaac cttcgaccag ttgccatcag caccccagcc atcccatccg 120

ctctgtctcc gaaagtatag acctctactc ggccgctgcg ctacagga 168

<210> 9367
<211> 256
<212> DNA
<213> Rattus norvegicus

<400> 9367
gtgtcactga agtgtgtcct gccttctcca gcagaggctg ctgctgtccg tggacagagc 60

tgatctgtgg tatcattggt ggagtggccg gatgaaagct catctttctc cctgccatta 120

ggcacaaacg gtagttctct gataaagcct agctcatttc tacagaggat atttttgtta 180

aagtctaggt gatatacctt ttctgaagag tattagattt tccaacaatc ttaaagtcta 240

ctgttacctg ttaatt 256

<210> 9368
<211> 104
<212> DNA
<213> Rattus norvegicus

<400> 9368
cacccaggag acttgattga agtgttccgt ccttgttatc agcactgggc actgtacttg 60

tgatggctac gttatcaaca ttgcacctgt aggccaaccg agca 104

<210> 9369
<211> 264
<212> DNA
<213> Rattus norvegicus

<400> 9369
taactcctgt gttccgttat cctttaggag gctgcacacc aagcgagatg tccttacagc 60

catatccaca gtttgccact gttccttaac tcatgccaat tctgtctata tcacatttgc 120

tttccgcacc ccgcactctc cccagctctc gcactcgtca gtattagtta gcaccaagat 180

tacaacgtat agggaggtct ctcccgcggt gagagtacct aattgtattg ttggtacact 240

agctctttag taacccatat gcac 264

<210> 9370
<211> 261
<212> DNA
<213> Rattus norvegicus

<400> 9370
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ccacaaactg gggagcaaac cccagcaccg gctgctggta gcacctgaga atgaagacag 120

gatggaggag aggctggcgg agacttccag agctaaagac catcacatct ctggagctga 180

ggtggggaaa gcaagtacct agtggcggag agggccctgg gggatcatgg tgtgcagtct 240

gcacccacat aagctaagta g 261

<210> 9371
<211> 266
<212> DNA
<213> Rattus norvegicus

<400> 9371
gagttttact ccagagctga tgcactgata ggcgtctacc cagagcacga tgaatgcatg 60

tttagccatg tgttgactct ggacctttcc aagtatccag acactgaaga ccaagaaggc 120

agcaggagcc accggaaacc cagagcacga gtatcacagt ccccgcagtc tctgtttata 180

cccatgtgtc atagaagaaa aatttcttac cattttggta gaacaagtta tagcccactc 240

cagctaagga gtgctcaacc ccattc 266

<210> 9372
<211> 308
<212> DNA
<213> Rattus norvegicus

<400> 9372
gaaaatgggt acacctttcc gatctccaat attttctgga agtgtgccga cctagggttc 60

cacagatgaa tgttgtttgt gataaatcag ccagatgaac agggagcatt ggcggctgca 120

atacattctg accagatctg actttgctca tcgtaagaca tcacaaaaag aaagtcgcag 180

gcatccgcaa tcccagtata attatagcac cttttgtcta tgccctttgg tgaccaagct 240

acatcaaaag ttacctgtga aaaaactaca tattatttac ataacatttt cttgccttat 300

tctactca 308

<210> 9373
<211> 437
<212> DNA
<213> Rattus norvegicus

<400> 9373
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gaaggcctgc accaaagctc cgaatctaag cgtatacacc cgcatcgaca aatataccgg 120

atggatcaag gagcaagtga gccgtggggc gcggtccagg cgctgcagga cctcctgcct 180

tctgttcctg ccctggctgc tgcagctccc agtcagccca ggacctcccc acccttcct 240

cttcctgctt tgcctctgct gaatggcact aggttgcctc tccatattcc acaggagtca 300

gggtgggaat ggaatgaccc ctggagaact tgggtcctgc tctggcgtcc tagcagggag 360

gactgtggtg ggtgggctag gccttgcttg agtgtccagg agaaagggag gatgtgcctg 420

tcaggaggaa cgttctg 437

<210> 9374
<211> 458
<212> DNA
<213> Rattus norvegicus

<400> 9374
aaggtgccca tgagagcact cggctttgaa cccaggaagg aagagatgaa gaaaatgatt 60

tcagaagtgg acaaagaggc cacaggaaag atcagtttca atgacttctt ggctgtgatg 120

actcagaaga tggccgagaa agataccaaa gaggaaatcc tgaaggcttt caggttgttt 180

gatgatgatg aaacagggaa aatttcattc aaaaatctca agcgcgtggc caacgagttg 240

ggggaaagcc tcacagacga ggagctgcag gaaatgatcg atgaagctga tcgtgatggt 300

gatggagaag tgaacgaaga agagtttctt aagatcatga aaaagaccaa cctttattaa 360

gtgactggct ggggtccctg cttctgcttt tgtgaaagta taacagagca gctgtggtct 420

gttccttctt cctgcctcct gtgcttgatt agcttcta 458

<210> 9375
<211> 354
<212> DNA
<213> Rattus norvegicus

<220>

<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<400> 9375
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cacgctttaa ggaaacagaa aaaaatgtat cctaatctca tctttgcccc antcgaccan 120

agagagacaa ggaaacaagt ttccatgaag tcggcggatg aaacaccaac ttcgcaagtg 180

ctttgggaac cattgacatt ttcaaagctc ctagaagaga agcctacaag aantgtgcca 240

ngggagagct gctttcgcta tggaagggcc cagcagtggg tggtcaaaaa tgcggctgtc 300

attaagtgaa gacaaatcct ttaancccct ctctgcgctc tccaagaact gagg 354

<210> 9376
<211> 466
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<400> 9376
atacgaagag atatacccgc ccgatgtcga tgagtttgtc tacatcacca acgacacgta 60

cacaaagcga cagctactga ggatggagca tctgctgctg aaagtcctgg cattcgatct 120

gaccgttcca accaccaacc agttcctcct tcagtactta aggcggcaag gggtgtgcat 180

caggactgag aatttggcca agtatgttgc agaactgagc cttctggaag ctgacccatt 240

cttgaagtat cttccttcct tggtagcagc agcagcttac tgtctggcan actatattgt 300

gaacagacac ttctgggtac ctgcacgtgt ccctcatgga gccgcccgta gttcttcccc 360

tgcagtgaac gggtcagctc aacagccaca ccagcaggct tactctgacc tgttacagtt 420

ttctgcgggt cgggccaact aatgtcagtt gtagatgtca ccttca 466

<210> 9377
<211> 254
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<400> 9377
gaatcacagc tcaaattctg gagagtagtc atcggaagcc cattcntaca cacccaagga 60

tacaaccccg tgaccagcca gccttctacc ntagactcta aactttgtca tcatgaaatg 120

tctccagtgt ttcttccagg gcctggctca gttacctgat actcaaaggc tatgacatca 180

tccttgccag aacctatggg cagcgattgt gaacttggac atcacccgag agccaggcac 240

atgctaactg ccaa 254

<210> 9378
<211> 295
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (35)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (39)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(51)

<223> n is a, c, g, or t

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<221> misc_feature
<222> (54)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<400> 9378
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tnntttgtgt tcttccccca tgtcttatta ccctagttct cctattcttg aatacagctg 120

nactataaac caaattacta tgatgttctt tactgtggag acgatgttct ggagtcaatg 180

tggaagatga caagccagaa gtagggtggg gatgctgtgt gatccaactg tgnctgacac 240

tcttctacct gggncctttg actgagttct gtgtgtgcct atcgtgcgat gcaat 295

<210> 9379
<211> 373
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

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<222> (180)..(180)
<223> n is a, c, g, or t

<400> 9379
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tgccaaaacc caagccttat gtgtcagact ataaccgcct tcttcagctg gcaacaccca 120

aggccctgtc agaaaagtgc gttcctgacc gcagtcctca gtgggaggtc ctgaatgtcn 180

ccaagaatgc ggtggccagt tcacggatca tctccctggc ccagcccaaa attcgaaagg 240

acctcaacga gggatacaac ccgtactaca tctccccagc ttctctggtg gcccaggcat 300

ctcctcgaat ttacgagctt gctgtcccca aacacatcac caagaaagtg tgacagccag 360

acgtacactc cag 373

<210> 9380
<211> 509
<212> DNA
<213> Rattus norvegicus

<400> 9380
aggtgaaaga gtccctccgc agcatcgagc agaagtacaa actctttcag cagcaacagt 60

tcaccttcat tgctgctctg gagcactgcc gggagaatgc ccacgacaaa atccggccca 120

tctccagtat cgagcaggtg cagagctaca tggaacatta ctgcaataac tccaccgacc 180

ggcggattct gctcatgttc atggacatct gctcggagct caacaaactg tgccagcact 240

ttgaggcctt gcactccggc acccctgtca ccaacagcct tctcgagaaa tgcaaaaccc 300

tggttagcca gagcaatgac ttgagcatcc tcagagcaaa gtacccgcat gatgtggtga 360

accacctcag ctgtgatgag gccaggaacc actatggagg tgtggtcagc ctcatcccca 420

tagtcctgga cctaatgaaa gagtggatcg ctcattccga gaagctgcct cgcaaagtgc 480

tgcagcatgg gacgacttag cttctgtac 509

<210> 9381
<211> 304
<212> DNA
<213> Rattus norvegicus

<400> 9381
ggtagcttga cttctccgag caagagaatg accatggcag gacgtttggg gcagaagatg 60

aatcaggatg aagttcacca gaatcagatc atgcgggaac tatttctcaa agagttccgg 120

acacagaagc tgtacacgca gtatcacgtg aatcccctgc gcaaggttca cacaatcact 180

cggaagccca tgtcttggca tgataacttg gaggagccag aagatgctaa gttcctgaac 240

ctcgttcacc atgctgcaca gggtccaaaa aagaaatatt cagagacaca gaccgaagcc 300

caag 304

<210> 9382
<211> 290
<212> DNA
<213> Rattus norvegicus

<400> 9382
aaggtgcgca tggagtttga actgacgcgc ctcaagtacc tgcaccagga gaacgagcgg 60

cagcggcagc acgaggaggt gatggagcag ctacagcagc agcagcaggc tttgcctcgc 120

cagttctcag gaggcctcca ggacctcttg ctcccccaga accaattcgc catgttcctc 180

tactgcttca tcttcattca catcatctac gttgccaagg agatggtctt ctttctcttc 240

tccaagcact acctgttctg cctcgcggcc atcttgctgt gtttgattaa 290

<210> 9383
<211> 309
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<400> 9383
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cttttcagtg tcatccaaca gaagagctga gcaggaggtg tgcaagctca ggctggtccc 120

tgaagacgta ctcacacact caggacgttg cagaggccct ccctccacac cntgccatgc 180

actgatcact gtagattctt caggggtgag caacagaaca aaggttcaag tcatttgtaa 240

ggantgactt aaacacacaa atcactatca aggatcaagt taagctcctc ccaggtacaa 300

ttgcagtaa 309

<210> 9384
<211> 241
<212> DNA
<213> Rattus norvegicus

<400> 9384
tatgaagatg gacggcgcga gcctggctgg gaacgacatg attaatggcg aggatgaaat 60

ggaagcctat gacgactacg aagatgatcc caaatcagac tatagcagcg aaaacgaggc 120

cccagagcct gtcagtgcca actgaggagc ttttgtttgc tgaattaaaa cactctgaca 180

tttcgctccc tttccccaac aacaacaaca aagttcttaa agagcccgca tgcatttgtg 240

g 241

<210> 9385
<211> 295
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)

<223> n is a, c, g, or t

<400> 9385
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cacaatagag caggcacgcc acaacaacag gttccgtgag atgaccgacc nttcacatgc 120

gccggtatca gacatggtca tgtttagnta caggaagcag tttgagccgc ccacactggn 180

tgaaggnttc ctggagatcc ttcaggtccc attccggtta caggagcatc tggaccntgc 240

gctgcagcga ctatactgcc agttttccga gggctgagtc ctcaataaac actgc 295

<210> 9386
<211> 301
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (268)..(268)
<223> n is a, c, g, or t

<400> 9386
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gtctatgcag tttactttga gtgactgaaa aaacggtcca cgtgtcccga aatcatgaaa 120

caggctgggt gtctctatcc acaaaagttn tactggcaaa agctgtgnga aagagacagg 180

ntgaagattt caaaggactg gaagcttcca tcacgnttgt gaggactggc ggagggggag 240

gggagcctaa gaaaacagtn ttntttgntc aaagcagaag tcagtgcggt tcacataaac 300

a 301

<210> 9387
<211> 219
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
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<222> (61)..(61)
<223> n is a, c, g, or t

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<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<400> 9387
gttccagggt cacatccact aggaccatgg attccaaaan ttgtgctggc ctgacctgnc 60

ntgncctggc ctggctccgg tgtgctcctg tccctggatg tgcgtcgtgc angttgattg 120

tgtncctggt aaaagctaga acacacgtgt gatgtcacca cttggacgta gctgtattgt 180

aaggatctaa gaagtcatgg tgttcgatgt tgagtgctt 219

<210> 9388
<211> 336
<212> DNA
<213> Rattus norvegicus

<400> 9388
gcgggccgcg gccagcaagc tggaacaggg gaagcggaca agtgagactc cagcagccaa 60

gcgccttcgg atggacacag gtccccagag cctgtctggg aagtccacgc ccagcagcgg 120

tgatgtccag gtgacagagg atgctgtgcg ccgctacctg acccggaagc ccatgaccac 180

gaaggacctg ctgaagaagt tccagaccaa gaagacgggg ctgagcagcg agcagacagt 240

gaatgtgctg gcgcagattc tcaagcgcct caaccctgag cgcaagatga ttggggacaa 300

gatgcacttc tccctcaaag agtgatgcca ataaag 336

<210> 9389
<211> 483
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (209)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(228)
<223> n is a, c, g, or t

<400> 9389
gatttatatg ccactcatgg tccaatgagc ttaagggaac tggagttaca acgtgattct 60

aaccttattc ttcccataac acatacaaca acaaaagtca ttgatgttaa tttaccagaa 120

gcagctgaag atttttctca gtaccaacaa aagcaagata cagacattaa acaagttgaa 180

cacaagccaa tacaaagaca tctaaccgnn gnnnnnannn nnnnnnnnag ttcactttca 240

caacatcaag ggggcccagc agatccactt ttcattacac acgtgtcacc tgccaggatg 300

tctgtgactc taccctctgc gaacctcgag gatcactctc agtccctgag caccagctcc 360

atgcatggca gtgcggagtc ctcagggaca gacaccttct gagcaggaga agaagcagca 420

cagtgttcag gaagacatgt cactggctgc agaccatgtt tggacactat cggcctttga 480

aca 483

<210> 9390
<211> 366
<212> DNA
<213> Rattus norvegicus

<400> 9390
gtggacattc atctattgct caagcaatga tgacaaccag tgagataaaa agatagtaaa 60

tagttcagca tggcaccact ggctgttgtt agtctaattt cattgatgta tgccgtgctt 120

tgtaatgcca ggattaaaac atcaagtcag ccacttaaac agtggcaaat gtgtatatgt 180

gtttggtttc catttgttaa gcagccattt tattttccca tggtcatgag ttgaagggaa 240

attaagataa cactccctcc ccaccaatgc tattcaacta cctctatctg cctgagtttt 300

ttttaagggt tcccttcttc taaatctgca caaaatagtt tcagctcatc tacattgtac 360

tcgcaa 366

<210> 9391
<211> 396
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<400> 9391
gttgcttctc caggtcgctg tcttccagtc tccggctagt ggtcagcatg gcccgtggaa 60

atcaaagaga aattgcccga cagaaaaata tgaaaaagac ccaggaaatt agcaaaggaa 120

aaagaaaaga ggatagctta actgcatctc agagaaagca gagggattca gagatcatgc 180

aacaaaagca gaaggtagcc aatgagaaga aatctatgca gacaagagac aaatgatgac 240

tggctttttg gaaaacctgg gtgctattgc cagtgggtgc atcatatgct ctaagatcaa 300

aacttcacag agtgactaat cattacatgt gttataactt gtccttataa aaatttcana 360

ttttactttt cagccttgct tgatgtgatg ttttaa 396

<210> 9392
<211> 398
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<400> 9392
agcttcgccg gctctataag tacaccanaa cgaaccagac ggccaagttc ctggtcgcgc 60

tctgtccctt ggatgcacca gagagatctt tgctcgccaa ccaggaggac agtctcccca 120

ggctctgcag tgcctggggg ttgcatggaa atatcagcgg catgaaggag aggttgtcca 180

agatgcnanc ccctggccaa gaggctatct tgctggatga gtcaaggtcc tcacactgtt 240

ccagagattc tttaatgaaa cttcctcaaa aaccaaagct gaagaaaaag aggattaagg 300

aaagaccaga gtctcccaag agctactcat aggaagaccc atagggatgg aggccagctc 360

ccctggctcc ctgagcactt gcatgtatac tctggaga 398

<210> 9393
<211> 522
<212> DNA
<213> Rattus norvegicus

<220>
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<222> (114)..(114)
<223> n is a, c, g, or t

<220>
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<222> (365)..(365)
<223> n is a, c, g, or t

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<222> (374)..(374)
<223> n is a, c, g, or t

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<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<400> 9393
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catgggataa atctttgaaa gcattcaaca tgatacacaa gattgattcg gatncactta 120

tatgccacac catcacacag agttttgcca tgggctcaat ttccccgaga gactttatcg 180

acttagtaca catcaagcac caggacggga atatggacat tatcagtact aggagtgtgg 240

agttcccagg ataccctccc acgtcacatt atatccgtgg ctataaccat ccctccggct 300

atgtgtgctc ccctctcaag gaaaacccag catattccaa gctagtggtg tttgtccaga 360

caganatgaa aggnaaaatt gcttgcctca gtnaattgag aagtntatgc cttccaactt 420

agtaagcttc ttcctcaatg tgaaagacgg cctaaagata cacaaagccc caatcccagc 480

acttcgttca catcacagta tgcactccgc tgtacacaaa aa 522

<210> 9394
<211> 240
<212> DNA
<213> Rattus norvegicus

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<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<400> 9394
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agctgtgagg gcgttgctca acacagggct ggagaagctc ttccaggccc ggaaacatng 120

accgaaagca cacntggaca acaagatgct ggctgcctgg aacggcttga tggtgtctgg 180

ttttgccgtg gcggggtctg tcctaggtat ggaaaagtta gtcacccagg ccaccaacgg 240

<210> 9395
<211> 236
<212> DNA
<213> Rattus norvegicus

<400> 9395
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ggtccttgaa cggctgttgc tcagtgagat gaagctgaag gccttggaaa accagatgtt 120

catcatatgg aataagttaa atcgacgccg gtggaacagc ggacagcgga acttctccag 180

gaggcggcgc cggtcaagaa ggaacgactc ggcgttttcc accgtatcta aatgta 236

<210> 9396
<211> 232
<212> DNA
<213> Rattus norvegicus

<400> 9396
agctgagacc cctgtgctgt gcctaccagg ccccagaagg cccagtaaaa tttacctcat 60

gtggtaagtc accctagagg cacacagcac gaaagagtca gggagtgggg gaagcagaag 120

gcaggtgaac aggagtaagc cagagcaaca ccaagggtgc gtggtgtgcg ggggacagga 180

agaggagaca gcccgctgac ttcccttgag gtgggcgtct actagtgaaa aa 232

<210> 9397
<211> 226
<212> DNA
<213> Rattus norvegicus

<400> 9397
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acaaagatct aacgaaagtc ttctgatcac cgtgctgtgg cgcaggctat ccatgttcag 120

ccgtcggggg tcttcacggt caggcaagca agacaatcag atgcaggagc gcaaacgtga 180

gggcagccac aaggaaccag aaaagggctg actacaaccc tggtct 226

<210> 9398
<211> 366
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (37)..(38)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (40)..(47)
<223> n is a, c, g, or t

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agttttcctg atggtgaaca aatagaccct gaaaatctcc acttcaacac cgatgaaggc 120

agtggaagac tgcttgttct tggaacccag cagccatact gtgaggaagt ccaaaccagc 180

cagcctgggg agactgcatg tacagggtca cacgggtatg agctgagacc tctggcccca 240

gctaacagcc accatcagct gcctgacgtg taagtcacag ggcttcagac agcaccagtc 300

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tcctga 366

<210> 9399
<211> 497
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<400> 9399
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taagtggcca agtggttggg agcgggaggc ggagcagctg ggagagctgt gggcgggacg 120

gactcgagtg cctccacagg gccaggaacc tgtggaagac tctgtctcag aggactctgg 180

atggccccta gcggtgcccc aggtcctcga ggctacgtcc caggtgctgt ggaagcccat 240

ggttatttca gaaaacatga agctggttcc tggtgtgagt atgtggaacc ggggcaccca 300

ggagctgctc aaccctgctg ccatccaaga ggaggctgaa gaaggcaccc ctcaggcgcc 360

tgagcagcaa cccatccaga caggtgtgtc caagcctcag gtgattatga aacagctaag 420

gaacgagacc cccaaagcct ggctgctccc caccaagcct gtgccccact ntgggtcctg 480

agcctccaca ctgagaa 497

<210> 9400
<211> 230
<212> DNA
<213> Rattus norvegicus

<400> 9400

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cctcatccag aatgccatca tagagagccg catcgactgt cagcgtcact gtggcatctt 120

ccaatatgag accatctcct gcagcaactg cacagactca catgttgtct gcttcggcta 180

ctactgcaag tcatcaccac agtgggagtc agctgtacag ggccttctga 230

<210> 9401
<211> 343
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<400> 9401
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gctgtggagc caccctggct gccttggagg gtgagcaaca caactgctac cgtgagctac 120

gtgacgcttg ggtccaacgc catgagcgta accggaccct gntgctgaac ctgctggggc 180

gtgtacgccg ggtntaccgc accaccaacc tcatccgccg acagctggcc cagctgagca 240

acttcctgga ggatgatacc ctgctcctga atgcccgggt gcaagagact gaggttgccc 300

cggagcctga gatgtggggt gcgcagggcc aaggtgtctt ata 343

<210> 9402
<211> 373
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (30)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(63)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (65)..(67)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<222> (290)..(290)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (303)..(304)
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<222> (309)..(318)
<223> n is a, c, g, or t

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<222> (320)..(323)
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<222> (325)..(329)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (331)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

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anntnnnaga actccaagag aagaaagtat cctgtgtctc cagcccaaag ccctcagaag 120

ggcagcgtct gagcagnttg acgtttggat gcttcttgtc ccgagcaaag agtccgcctt 180

gtgcagtaag gtccgaggaa gcgagcaaga tggcctcaag cgaacctgag ttcgccgaag 240

caagatgcgt agaaggtact tagagcgaca gcagtctacn tcnnnnnntn gnnnnnnncn 300

aanncnncnn nnnnnnnnan nnntnnnnnt nnnncntgat tttccccaat accccaatgc 360

ctcgtgggaa tat 373

<210> 9403
<211> 398
<212> DNA
<213> Rattus norvegicus

<400> 9403
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ggtgaccttg aggaaggcca ctggtgttcg agggctagag aaagtcgcca agttgaacat 120

ccctccccgg ctcatcgact acctttccta caactgagct gcaggcagga ggatggaaag 180

gctggtgact ggccctgttg tcaccttgct atgcctagcc ctggggttta aagacttctg 240

cctgtttctc tgaaacacca tcattgctgt agataggttg atgctccttc gttgatggtt 300

gataggttga tgcttttcgg ttgtcctttt cgatgtctcc ttctaaaccc cagaggaggt 360

ctctgaagca ccaggaggcc agtgcgtgac atcacagc 398

<210> 9404
<211> 368
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<400> 9404
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ccttgcagtg gtctgtagtc ctggaacgtt cagtcccgat atggatgtca cctgtcagac 120

ntgtgtttct gcccatgtct acggagccaa agcttgccca taaacgccaa gaacagaggc 180

gaacgcatgg ttgtttgcct ctgaaggtgg aggcaaagat ccgctcgcat cggagagcat 240

cgtagatgcc tctgtaaagg aagatccgta agagcaaagc tncggaagta cgcattctag 300

aaacagcaga aagcagttgc cgtggacaac caaaagtagg ttctgagaag gcctttacct 360

cagtgcct 368

<210> 9405
<211> 496
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<400> 9405
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gagacccaca gcaagctttt cgactatggc ttaagaaaaa gcatgaggag cagatgaaag 120

aaaggaagac tgaggagctg agaaagcaag aggagtgttt gttctttctg agaggaacag 180

agggccgcga gagggccttt agacaatggc tcagaaggaa acagatagag aaaatagcag 240

agcagcaggc tgtcaaagag agagcgcggc agctccgact ggaagctcgg cgctccaaac 300

aactgcagag cggcctgtac agtgtgcccg aggccaaggc tttccgcttc accgaccact 360

acaactgaag ccgcctagga aagacttcgt ttgaagctgc tctncaccag aattgtgtgt 420

gtcgtttccc atgggcccct gtcttgataa tactccaaat tgtgggagtg ggatttgcct 480

tttggtgatg ctgaat 496

<210> 9406
<211> 511
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
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<222> (139)..(139)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<400> 9406
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gctgggcaaa ctgcctgtgg gctcagctct tatgcctgtc aggactcana gcaacacgcc 120

agctccccgt tctgcctgnc angaagcaga ctcacgcttg gtatgaagtt gcacgaggga 180

gaggagagtg gagggcanta cccttgtgat aacccttggg aaggagcctc ttcangtctg 240

gagacctcan aggatgcagc caacacangt gtggaacctg cgacagtttg caatgacggg 300

gacagacatt aaccaaagac cactgcctac aataagaatc tgctatcaaa acaacctgaa 360

gtctttaagg acagggactg ggccaataaa aacacagaca gtaatgagat aaccccgcct 420

gtaaggcacc tgggataggt agcacaagga caatcattgc taacgtggca gtttctttga 480

tgcagttacg tggcaaaacc ctgtcaagat g 511

<210> 9407
<211> 520
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (302)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (335)..(335)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (461)..(461)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (465)..(466)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (469)..(469)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (486)..(487)
<223> n is a, c, g, or t

<400> 9407
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attttaaccc attcattctt agtgtgaatt ttctgaaata gaagtataaa aaaattgtct 120

ctacaatctg attttaaaaa gtgtgttttc ccaagtaaat ccccctttat tcatgagaac 180

gaaagtgctt ggatactata ataccttaat ttccccaatt tttaaaataa aatggaattt 240

ttgctgagtg aattaagcat agaaaatgtc aacccatcag aattatattt atacatatng 300

gnggataagt tcctgtcttc ccacntcaga gaatnatttt ttttaccaaa atgggcagaa 360

tagcattttg tatgtcagac accattcttt tctagtcctt ccgaacattc ctgtgtcatt 420

taagaatgtt agtagaggtc gcttctttgg aaatngggga ntttnngtnt tcctttgaaa 480

gtatgnnatc tgaagaacac agtatcatga ctcgggtgga 520

<210> 9408
<211> 358
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (57)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<400> 9408
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agcgatgaag aactgtgtca gagtttcctg agtgaaaatg actggagtat ctttcggagg 120

gatctgctgc ggttgctggt ggagcccctc aaaaagaagc cattcatccc gatccagacc 180

aagaagaaag agatctacaa ccctaagtct ttgttactgg atctntgtag ccttgacaag 240

aaggtgagac agcgctatcc tgtttttatg gcgccccgga aatacctgcc tcccttgaag 300

attgtccaaa ccatctcagc accccggcac aaagtccaag aactcttacc tcagtata 358

<210> 9409
<211> 368
<212> DNA
<213> Rattus norvegicus

<400> 9409
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cagaagtgaa actacgttct ttcagattac ggagaaggga gagaaaagtc ttcgtccggc 120

tactgggacc aaatcgaaaa aaaaggtcaa atcaagaatt cacaaagaac ctagtgagac 180

agcgctggcc ttgctcatcc atgagcgaat gaatgaaaat tccaacgtga taccaccagc 240

cgaagttcca ccggtccctg aaagcgtgcc ggttcctaat gaagacatgg ccagttccta 300

gaccccaaat gggtccaaag acctaaaaaa catcaatgaa tggggtctag gagctgagcc 360

atggtcat 368

<210> 9410
<211> 403
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<400> 9410
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gggttgggtt tccccaagca gccacatggg tcagcaccat gggcctccca gaagaacccc 120

aaaagctgtg tttgtggcag tcctgggtcc ctgcagtctt ccagacacct cccccaaaac 180

tagccatgct tgctgctggc ctgtggccna ccccttctca accctagacc atgagatctc 240

tgtggacaaa tgaacaccaa ggtctatcgg gccctgagtt ctagaggccc caacacgtca 300

caccttgctg ctgtcaccac ttcagaattc tgccctacac aagccctgcc ctcgcacacn 360

taggaagcac ctaatgaaat acgatagttt ctctcttttt gga 403

<210> 9411
<211> 438
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<400> 9411
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tgacctgagg gcagactctg caaataatnc caagactgag aaacccttтc tagactcact 120

caaggcgaag gggaagagga agaaaaggcg gtgctggcga agggtcacag acggcaaata 180

gcgcttggtc agatcctggg gtggtgtggg gcagccagtc ctgcntacag tgggaaggcg 240

agcacggcac tcaccccaag gacccaggtc atagtgctct atgtataggc ctacttgggt 300

gggaggcagc tcctctcacc actgagccat cctcagcagc tgtgctgtgt ctgcactgat 360

gcttgtcagc tgcatgcttg gcggtccagg ataagcaagc ctcactacac agcgtcacct 420

ctacacttga atctgaga 438

<210> 9412
<211> 364
<212> DNA
<213> Rattus norvegicus

<400> 9412
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tccactgttg tagcattacc atggtcacag caactacact gtttcaggac atcaagtgaa 120

gctggacctc caatgatgct ccaacttctc tgtcacagga tctctacagt tacaggaata 180

ctcctgtatc agcaattcca attgctggac ctcagttgtc acatgacctc cactgtagcc 240

gaaccttcaa ttttgcagca cctccactag aggtagaatg acctccccta tcacagtgcc 300

tccactttca aaggaccttc actgtcacag aacctgcaca atttcagtgc ctccgctgtt 360

gcag 364

<210> 9413
<211> 407
<212> DNA
<213> Rattus norvegicus

<400> 9413
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gcctttctgg gcgccttcga gttggggcac tgaacgaact ccgtacagag caccggcctt 120

gcacctacca gctgtgcact tgcaacaggc aactggagga gtgccctctg gactcgagtc 180

tctgtactga ccatagctgc agcactcatg ttgccagcac aatttctccg attcctgtcc 240

acctgagacg cagacccatc ctcccaccca ctagcccgag ccccagccca gctcttgcct 300

tttggaaacg tgtcaggatt ggcctggagg atatctggaa tagcctctct tcagtgttca 360

cagagacgca accaatagaa agaacctaga ggtaatggcc acgtcac 407

<210> 9414
<211> 553
<212> DNA
<213> Rattus norvegicus

<400> 9414
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cattggcttt gggtgtaggg atcgccgctg gagtggtcgg aggtgtgttg gtgaacgttg 120

ctctctgcag ggtcctggga gggaccggtg gcaatgggaa cctcagcagc ttataactcc 180

tgccttcctc caggaagctg agctagcttg tatgtgagtg tcccgtgcct ctgatggtga 240

agtggcaaga gagggctctc agccagagtt ggctaggagg cttggaggat gcaacctcat 300

gatagctcag ggcagcatcc accattgtag tccggtttcc tccataacag gtgctcagga 360

gccccctgca ggctttgctt ctgctcctag ggagagttct gtcttccacg gtttttatgc 420

ctcacctcct gtgtgtgtat gtgtgtgtgt gtgtgtgtgt gtgcgcgctc gtgcgcgcgt 480

gtgcgccgct ccccccagct ccacctctcc aaacagtgtg tatgggccag aatgtactaa 540

tcgcagcctt tta 553

<210> 9415
<211> 246
<212> DNA
<213> Rattus norvegicus

<400> 9415
agaaaccgct caccgtattt cagggaccta cggactgccc gggaaaaaag gattgaaaga 60

ggacccttcg gatatgaccc ggttttgcag tcggactcat tcctcaaaga agattgtctt 120

ccaacaccaa gtcttctttc ctttcgggga agccagctcc tgtctaggct gaatgactct 180

tctgatcttt gacactggca gaagtggaca aggcatgttc tgtcatttcc actgatactc 240

aacgat 246

<210> 9416
<211> 436
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<400> 9416
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ggagnctgtg gagaaggagg ctctgnccaa agaagaacac agaaggggca ccgaattgtt 120

tcgagctggg aaccctcaag gggctgcccg atgctacgga cgggctctcc ggctgctgct 180

gacgttgccc ccacccggcc cacctgaacg aactattctt catgccaatc tggcagcctg 240

tcagttgctg ctaggacacc cccagttggc agcccagagc tgtgaccgag tgctggagcg 300

ggagccgggc catttaaagg cgttataccg aagaggggtt gctcaggctg ccctcgggga 360

cttggataaa gcaactgctg atctcaagaa agttctanca gtagatccca aaaaccgtgc 420

cgcgaaagag gagctg 436

<210> 9417
<211> 371
<212> DNA
<213> Rattus norvegicus

<400> 9417
tgcataacca tcacgggcac catggccggg aaaaggcgaa gacggaacat atcccgctca 60

agaagagctg agcttcagtt tccagtcagc cgtgtagacc gcttcctccg ggagggaaac 120

tattctagac ggctgagttc ctctgcaccc gtgttccttg cgggtgttct cgagtacctg 180

acatccaaca tccttgaact ggctggtgaa gaggcccaca ccagtggcag gaagcgcata 240

tctccagaac atttgtgccg ggtggtacag aacaacgacc agctccacca actcttcaaa 300

gaaggcacca agtctgtgtt tgagtcagca gatcctgatg agaactgata atgcctgggt 360

ctcaagactc t 371

<210> 9418
<211> 392
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<400> 9418
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ctcaggtaaa gcagcaccaa cagcagaaag ctctgcagag tggagcacct cagtcaaggc 120

ggaagtaaag gctcaggaga cagccaccac agaggcaggc gccaaaccaa agacagatct 180

gcttaaccaa cagacgggcg ctgacccacc cagaatcaca tgcacgagtt tttacctagc 240

tggttgtttg tgaggaccag gcaactcgaa ctcctgtctc tgtgagaatg tatactttat 300

gctctctgaa atatatgaca cccagcttta aaaaaanaaa aaaagtgggn ntagggaacg 360

agaactntgc acttcccttg tgatatcaga gt 392

<210> 9419
<211> 74
<212> DNA
<213> Rattus norvegicus

<400> 9419
gttctatgat gtcattccgg gagctattat ttcactatgc atctggcact atgatggttg 60

gacggaactg gttt 74

<210> 9420
<211> 283
<212> DNA
<213> Rattus norvegicus

<400> 9420
gactattctg aatcacttgg gaaccaggag ccctgctcca tggagagcac atttttccag 60

tcgaatcagg ttcacctgct gtgtggcagc cagctcagtc ttgcaggctt ccacctcctc 120

tccagtaaag acagacgttg gcccgcatta attctaaacc gttgtcagct ctaacaccat 180

tagagcttgg cagctcctca ggaggaagga aagaattggt ccaagaaggt gatacgtcac 240

tacacagctt ttgtccacaa aaccaatgtc tccaagctgg cca 283

<210> 9421
<211> 268
<212> DNA
<213> Rattus norvegicus

<400> 9421
gaagtagaca tcctcagccc ggcagccatg ttgaacctat actacatcgc tcacaatgtt 60

gccgactgcc tgtatctgcg tggcttccct tggccaggcg ctcccaaagg gaaaaggggg 120

aaaaaataag atttaggtgg tagaattcaa agcatgcctt ggtctcaaag aacagaaagt 180

aggagaatgc atttagggta cctcaaggac tgcgggcaag cggcctctaa cagccaagta 240

gaaacatgta gccactgtac ttttctgt 268

<210> 9422
<211> 283
<212> DNA
<213> Rattus norvegicus

<400> 9422
gtcgccgtag tatttggtgc aaagatatta gactatgtct tcaacctgtg tgaaggtaaa 60

tttgactacc tggagcggct ctctgacaaa ctgctgctga agatcatgaa ctacctggac 120

ttggaagaca tcgccaggct ctctcagaca tcaagccggt ttgagaagct gtgcaagagt 180

gactcgctgt gggagcagat agtccagtcc acctatgaca ccatcacccc tgacatgcgg 240

gccctggcga atgacgtggg ctggagacag atgttcttca cca 283

<210> 9423
<211> 299

<212> DNA
<213> Rattus norvegicus

<400> 9423
gagtgtaacc tctatacctt tctgtacctt gtgtgcatct ccaccaagac acagtgtagc 60

gaagaagacc agtgcagaat taacaagcag atctacaacc tgattcacct ggaccccaga 120

acacgggaag gtttcacctt gctacacttg gccgtcaact cgaacacacc agtcgatgat 180

ttccacacca atgatgtctg cagctttccc aatgcactgg tcacaaagct cctgctggac 240

tgtggtgctg aggtaaatgc tgtggacaat gaggggaaca gtgccctcca cattatcgt 299

<210> 9424
<211> 175
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<400> 9424
gaggaagtgg acaacctggt tgcctggacc gatggtcttg atgaaaaatc tttgaactat 60

ganaactatg aaaactttga gaacattgac aactaacaca caaggacttc acatgctgcc 120

cagttacagt gcaacctcat gaagcagttt tgggggaggc tcaaaaccta tcttc 175

<210> 9425
<211> 530
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (174)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<400> 9425
agaatggatt acacaggctt actgaaacac aaatgtattt gatagtttca gtcactttaa 60

tagtttctat agtaacatgc atttagatag aagattcata gtgtttggtt gaataagcta 120

atttgtgaaa acagtattca gttagactaa ttgataaatt gtctttcttc tatnntncag 180

gaaaacaacc aaagttttaa gtagcatttt aagaacagat gaatttgaag ataaagaatt 240

attcatttta tattttggac acctgccaat gaagtggacc tagtaacaat aactaatgga 300

ctgtgacgat tcaatttatt tttacttttg atggttggct atttggcttc tcataaaagg 360

agaaagagat attttaaagt ataaagaatt tttctaatca gtttcagctt tgcaggcagc 420

tcctgcaaaa attgggaagg aacactcgaa agtagggatg ttgttggcga agtgggaaga 480

ctgtattata atttgcatgc tacttgcaat tcttgttttt caccacttgt 530

<210> 9426
<211> 331
<212> DNA
<213> Rattus norvegicus

<400> 9426
aatgtctact gacttttatt cctagtcacc gttccttaaa caatgtatca ggcacctgac 60

atttgcttca cattggaagt atttttagaa aagggttcaa agtacatagg tgtattcttg 120

ccggttctgt gtaaatagtc caccacttgg tttaaaggat ttgccatgca tttcaacatt 180

cagtggggtc ctggatccag cccaacttaa atggacaact aattattact cttgttaatc 240

acatgaaata ccttgtgccc atcccccacc ccctagttca caggtctgag tgaccctgac 300

tgcatgaata tcctgggaca gctgctggtg t 331

<210> 9427
<211> 180
<212> DNA
<213> Rattus norvegicus

<400> 9427
gagcctggac aactgatgga ccattctgtc ctgttccaga gggtcggaag acccaggacc 60

ttgaactaaa gctggatctc aggctttgat cttagctgaa tccagcatat aacgactccc 120

tggcggtacc tagtagcgct agcggtatag gtggaagact tattttggag ctcagcgcag 180

<210> 9428
<211> 189
<212> DNA
<213> Rattus norvegicus

<400> 9428
gtgtggtctt cagccctgga tccttcaatc cccgggatgg aactcactgc ctccaatgca 60

acaacagcgt ggtgtatgga gcgaagacat gcatgtaggc cagggccttg tgggacccag 120

tcgctcattc agcagaaaag tatatttttg aagtactaaa gtataataac tcactattat 180

gccgaaatt 189

<210> 9429
<211> 163
<212> DNA
<213> Rattus norvegicus

<400> 9429
cagtcgaaaa gcaaacccgg agagaagaaa gttgaggagg aaaagaagat cactaccact 60

ttagttacaa aggctaagga gaaagtaatg gagaaggaga ccaagcagtc tgacaaggag 120

tctcagcctg ccgaaagcat gatgttcggg tcaaagacat cca 163

<210> 9430
<211> 180
<212> DNA
<213> Rattus norvegicus

<400> 9430
gaaatatttg ctgaggatcc caacttaaat cagcctgtct ggatgaagcc atgtagaatc 60

aattctagtt attttcgacg tgtgaaaaat cccaataacc ttgatgaaat caagcacttc 120

ataacaactg aggtactcaa actgttcagt cttaagaagg agccaaacca caaaacagat 180

<210> 9431
<211> 185
<212> DNA
<213> Rattus norvegicus

<400> 9431
ataaatctca gactccatat tccgcgtttg ttcagctgct tccggttctg ttgattgtga 60

ctatttctgt cattactcag ctgctggctg ctaatccgcc atatagtcta ttctataaat 120

cgaccctggg ctacaccatt tctagagaaa cgcagaacct gcaggtgcct tacttcgtgg 180

ataaa 185

<210> 9432
<211> 253
<212> DNA
<213> Rattus norvegicus

<400> 9432
ggagatgttt cttcttgtca tccttcccac tgattacatc agtgtggggt gtgcaccgtc 60

ctcagtatgt tgacagacat gttctccatt gtgattcgtt tgactttata tgtgcgtacc 120

ggtccttagt tcatctttta ttcagtaact ttcaactgga tgaaacattt gaatatttaa 180

taaaaatgaa aatttaatcc tgctgggata cagatcagtt ctgtttatgt gctggcatgt 240

ttccacacat gca 253

<210> 9433
<211> 287
<212> DNA
<213> Rattus norvegicus

<400> 9433
ccagtggccc cgaaatcatg gagatgagcg accccacagt agaggaggag caggccctga 60

agtctgctca ggagcaggcc ctggcaaccg ctgaggaaga ggaggaggat gatgaagagg 120

atgaggatga ggacctggag gactgaggtc cccaaggccc tccccatagc cttccccctt 180

atgtgtagaa cagactgtat ttttcctatt ggttttgttc cctggccttg cacgacacag 240

gtagaaatcc acccagtgct ctaaataaaa ctcccacagc acagccg 287

<210> 9434
<211> 263
<212> DNA
<213> Rattus norvegicus

<400> 9434
gacagtcacc tttggcatca agcattctga ctacatgaca cccctggtgg ttgatgtgga 60

atagctcctg ctctccatcc catcagtctg tgactagatc ctcccacaga aatgtgctgg 120

gctggcaatg attgggcact tcaccaatgg gggctgctgc cagcctgggc ctgcatcaca 180

gagcacgcta gtttggacgg ttttgacaag ttatttttt ctatgctatc tcttgtttgt 240

taatcttgtt tcttgccatg tcc 263

<210> 9435
<211> 259
<212> DNA
<213> Rattus norvegicus

<400> 9435
gaactaatgc ccaaacatcc aagcatttta aaaataaacc catctctaca agaggtaaag 60

ttgagacgtt tacccataaa tcctgagaga ataaggagga ggaatttagg tgtctctcca 120

acagaatgag gtatcaactg aaaggaagag ggctagtttg ggctcctgag agtggaagtg 180

aaaaggtggc tttcaaaggc aagatccaac agaagctaaa tcagtcttcc cacagcaagc 240

ttcagacagg aaaacccaa 259

<210> 9436
<211> 262

<212> DNA
<213> Rattus norvegicus

<400> 9436
gatcggaata ataccttcac ctgcctattc actgttggta ccttgccctg gataacagaa 60

ttccagctct tcaagaatgt gtgttcatag ttcctctgac tggagtcatc cacggtctgg 120

ccatgtactt ctctgcatcc atgaagtggt taatcttggg agaacctctg tgctcatgtt 180

ccttgttttg caacattgta tggtatgaag actgggtatg tgaataataa ctagggaaat 240

gcatatcact gttgtttcat ca 262

<210> 9437
<211> 287
<212> DNA
<213> Rattus norvegicus

<400> 9437
cactctgccc gaggctggac aagaaggcag tccgtcgaaa gcaggctagc cataaccatt 60

ctgtgctgga tcagtgtgtc cccacaagcc tgggccctga cctccatggc ttcttcctcc 120

agccaggaca gcaaggaagc agggaacaca gctccgacag tagaaagtgg cttagctccg 180

tgccagcccg aacccactga tcctcgggaa ctctggctcc acaagttcaa ggcctgcaga 240

cagtaggcag ggcctggatt tgggagcttg ctttcatggc ctggtaa 287

<210> 9438
<211> 258
<212> DNA
<213> Rattus norvegicus

<400> 9438
gtcaaaccac acttgatttt ccacccagct ttcctgttaa gaaagatgct cttataaaga 60

aacactatac tgctgcattc ccaataggtg tcctaacagc taccatgtca ctcttcggtg 120

tgattatgtt ccttttgag atgagctctt tgaaaccaca gagtgaagtg gaggtccagt 180

gtgtttctag accaatcaat caaaaggcat gaggcaagcc agaagactgc ttaaagaatt 240

tgtccgtatg cacatatt 258

<210> 9439
<211> 271
<212> DNA
<213> Rattus norvegicus

<400> 9439
gtcacagcag atgcgaggcc acgatcagcc attggcggtg gagcccaagg aagttgggag 60

gcttgaagaa gaggggagcc tccagtctca gagctgtggt gatagttcag atgactgcag 120

caccaaggta ggtgctgcag acacacgctc tgggtcccgc ccttctgact agccctggag 180

ataagcagcg gttttgtttg cttggttttt tcttaccttc ttcacttctt aaagtatgtt 240

tcttatacaa tgtttcagtc agagcggtaa t 271

<210> 9440
<211> 274
<212> DNA
<213> Rattus norvegicus

<400> 9440
ggagactgaa actggagatg accttgaaca aagaccattc ttttcccccc ttcactggaa 60

acctttcact tcacccacca gcatcacggc ctcagaatat atttttaac acaaaatact 120

aggaaagtgg tgttgtcagc agggatgaca agtacctccc acagcggtgt ggggactggc 180

tgggacagcg actagtgggt cttcagctgc tccacaggct gcggctttta atagacttga 240

ctcctttctg aggctataca aggtttagct gcat 274

<210> 9441
<211> 205
<212> DNA
<213> Rattus norvegicus

<400> 9441
gacagtgagt tgagatcctt tcttgtaaat gaagagggct ttgcagacaa atgtaactgg 60

agaagacagt cattcaacga ttattcacca aattcctata cccattcaag tacaactcaa 120

tattctcttg tggacgacaa ggaacaagga acaccttggg tcaccaacaa gaaggaacct 180

tccatttttt cagcaggatt caaag 205

<210> 9442
<211> 289
<212> DNA
<213> Rattus norvegicus

<400> 9442
agcgagttat ttttacacat ctgtatacgc acaccagaaa aggaaatgtt ttggtaggcg 60

cgaatgtaat ttctgtctat aaaaacccgt gcagttcatg gatgatggat tttaagcagg 120

agttggtgat gttaatttac agcaatgatt actctgtgct gaaaatgaaa ccagaccatt 180

tctttttcac catgccacac cttttaacat tagcttggat acatctcagc tgttttgtca 240

agggagagtg atcctggtag aggatcgtct cttctgtgac agtgccaaa 289

<210> 9443
<211> 270
<212> DNA
<213> Rattus norvegicus

<400> 9443
gagtcctgaa ggaagttgtc cccaagagag gtatatcatc tcatactgtg gacatcatga 60

acctcatgat caatgacatc ttcgaacgca ttgctacgga agcctgccag aggatgaacc 120

tcagaaagcg ctgtaccctc acctcagaag atatccagaa ggcagtgtat atgttgatgc 180

cgaagaagct ggctaaactt gctgtgactt tcggaagtaa agcagtccac agattcatcc 240

attcctaagc tccatgttca agcctaattg 270

<210> 9444
<211> 288
<212> DNA
<213> Rattus norvegicus

<400> 9444
accagctttg ctgagcggca gaaacggctg caggtggtgc agagccgacg cctgcaccgc 60

tctgtgctgc tgagccggcg ccctggagcc cggccatccc ctctcgagaa tggttcacac 120

caaccctatt ttgcagccac acgcaattcc aagacagaca gaacccatga cagataaaac 180

cacgtgctct cagaaatgag gagactgtat tttctctatt ttactatccc tgcatttatg 240

caaaggccat aatagaatgt tacgtcctct ccctgtagac tgaaaata 288

<210> 9445
<211> 276
<212> DNA
<213> Rattus norvegicus

<400> 9445
gcaaattcac aaactggtgg gccatgagag tgaagtgcac actgtgatat tttcccaccg 60

tgcagagaat ctgtactctg gtggttctga cggcaccatt cggttgtggc tctgatcagc 120

aaaagcatac cctgatgcaa agggcattcc ctccacagct caaaaatgct ccatacagtc 180

tgcttacaag ccagcaacta gctggatata acgaccaata aataaaatat ttgttttgaa 240

acaagctttg ggtgaatact atataacccc tactgt 276

<210> 9446
<211> 268
<212> DNA
<213> Rattus norvegicus

<400> 9446
taaacccatt taaccatgag tcccttcccc ccagcagggc tggctctcat gaacaggcct 60

gttttctctt ttatggggaa acttacgcgc tcagggtgag agattgccaa ccaaacccct 120

gcttccttta gccccatcag aggtcaggag ggagggagga aaggatgcag ctccaacagc 180

ccaagggccc cggagaccca tgtgagaaga catgaggcag attacaggag caaccacaag 240

tcctacactg actccacatg cttgaatg 268

<210> 9447
<211> 377
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<400> 9447
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caaatttcga gactggctgg actgcagcag catggagata aagcccaatg ttatagctat 120

ggagatcctg gcatatctgg cgtatgagac agtggcccag ttggtggatc tggctcttct 180

tgtgaggcaa gatatggtat ctaaggcagg ggatcccttc agccatgcca tttctgcaac 240

cttcattcag taccacaatt ctgctgaggg gtcctcctgt ttgaagtcca gcccagactc 300

tcctgagaac acacctcctc ctacaccaac agctccctct tctgggtcnc agcatgcagg 360

tagagctgcg tctggct 377

<210> 9448
<211> 358
<212> DNA
<213> Rattus norvegicus

<400> 9448
atggaagctt acgtgttgct ccctgcaccc cgagaacaca tggtgcagtg ccgcatcgtc 60

cgaaacaagc atggagtgga caagggcatg ttcccttcct actacctcta cctggaggca 120

gaggatggtg tagcagtacg ctccagccct ttggggcatt tccttctggc tgggcggaaa 180

aggaaacgaa gcaaaacttc aaattacctc atctccctgg accccaaaga catgtctcgc 240

aatgggaaca actttgtagg caaagttaga tctaatgtct tgggcacgaa attcaccatc 300

tttgataatg gggtgaaccc tgagcgtaac tactggattc cagacagtgc ccggatca 358

<210> 9449
<211> 269
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<400> 9449
aaagctgttg agtcaccact tgagtgttta ctccctaaca actttaatca ccatccttat 60

tntcttcgaa atgtctctcc atgcatctgt ggtagagtaa cagctctgtg gctccatgtt 120

agctaccttа tagttactgt gcaattagtg ccacttaatg tatgtcacca gaagaactaa 180

gatctacccc agactagatg tagcattttt ggaatacttg gattttctga tactgatatt 240

tgtcattccc gcagcaagta tactggttg 269

<210> 9450
<211> 285
<212> DNA
<213> Rattus norvegicus

<400> 9450
gcaggcctat gagttcatgt gtttgcacat gctcacctct gtggtgaaag gacccagccc 60

ctggacagct tcaccactga ttggtgtatt acatgtagtt ttgagagcag atacgatttt 120

ggcagcaaat tggataggtt gtagacaaag aagggttaac caccacaaag tctgttagtt 180

aagagcccaa agatagaaat gtgggacgtt ttagctggac caagattaaa caccagcagg 240

accatgtaca ttttgtgtct ctagggacaa actggttcat ttagc 285

<210> 9451
<211> 395
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<400> 9451
gatggtttat aagggccacc gcaactcccg gacaatgata aaagaagcca atttctgggg 60

tgctaacttt gtaatgagcg gttccgattg tggccatatc ttcatctggg accggcacac 120

tgctgagcat ttgatgcttc tggaagctga taatcacgtg gtcaactgcc tgcagcccca 180

tccatttgac ccaattctag cctcatctgg tatagattat gacataaaga tctggtcgcc 240

actagaagag tcaagaattt ttaatcgaaa acttgctgat gaanttatan ctcgaaatga 300

gctcatgctg gaagagacta gaaacccatc actgtcccgg cctctttcat gttgaggatg 360

ttggcgtcac tgaatcatat ccgagctgac cgtct 395

<210> 9452
<211> 177
<212> DNA
<213> Rattus norvegicus

<400> 9452
ttccatataa caagagctgc cccggaaagg gggggaactt tagagacaga catacatacg 60

gacgtgaact gtcaggacct cttcggacat tcatcagaga ccctgtggca ttgggttgca 120

gcccagcgtg gccgccatct ttccgctaca ctgtttcttc gctgtacgta actatat 177

<210> 9453
<211> 184
<212> DNA
<213> Rattus norvegicus

<400> 9453
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atgggggaa aaggttttac cctataatac caatatccaa gtcagtccaa agccatgaaa 120

tactattggg aaaacgtgct aagaaaaata tccttgtttt gtagttttca cagttgggat 180

gtat 184

<210> 9454
<211> 169
<212> DNA
<213> Rattus norvegicus

<400> 9454
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accactttaa taatgcgggc ccctccggat atcagaatcg ctatacagat ggccgaccag 120

tgaactatga agcaacttac aggaactatg acatctacac agcaggcct 169

<210> 9455
<211> 186
<212> DNA
<213> Rattus norvegicus

<400> 9455
gaagtcgtaa acatccagac ctggatcaac aagccagaca tcaagcacca ttttccttgt 60

aaagaagtaa aagaaagcgg gcatatgttt cccagtcatc tgttggttac ggccacacat 120

atgtactgct taagggagat tctttcgagg aaaggactgg cttatatcca gtctcgacaa 180

gcacta 186

<210> 9456
<211> 206
<212> DNA
<213> Rattus norvegicus

<400> 9456
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gggaggaaga cggatgacct gggccggtgg caccggaaaa atgctatgaa catgaacttg 120

cagaaagcac tggaagagaa atatggagaa aggagcaggt ccaagggcaa gtagttgaaa 180

ggacattgga agggacgctc gagaat 206

<210> 9457
<211> 212
<212> DNA
<213> Rattus norvegicus

<400> 9457
aacagccagc aaaatatttc acaagataga gagagacaga gagagaatga ccgtgaaccc 60

cctcaagcct tcaagaatgc gcctttctct ctgtttgatg agatgcctgg acccagaagg 120

aatggctaaa gaatggggtt cacaacccaa gagtgggaag cctcacaaac tcagctagaa 180

ccatgaaggc taatagcaga ggaggctgcc cc 212

<210> 9458
<211> 236
<212> DNA
<213> Rattus norvegicus

<400> 9458
aagttctcct tacccagaag ctggagagga tcttcagaga gtgggctaaa ttttaagcat 60

gggggaatcc ccaggaaaga tcaagacttc tggcgtatta taacgttgag tagcaatcac 120

gcattaactg aagattaaag gaaaaaatag ccaatatttt tactcaaatt cttcctattc 180

aagttcgatt gatttcctgc tgatgtgtac atttgctggg agctgggata gtaaaa 236

<210> 9459
<211> 250
<212> DNA
<213> Rattus norvegicus

<400> 9459
gaggtctcag cgatctgttc ctgaggaatt ttcagctccg ctggaactgt tgcagcctct 60

ctcaggcctg gtggatgact acgggctaag acccaagcac ccgaggccag gtgggcccag 120

acccccttctc tcccaggccc agcagcgcaa gcgggacggg cccgacatgg ctgactatta 180

ctatgatgtg aaccccgcat aaagctattc tgggcagcaa gtgcttggct ccatagccta 240

tgtgcagtaa 250

<210> 9460
<211> 260
<212> DNA
<213> Rattus norvegicus

<400> 9460
gctttgttcc gcatccagag ggtggggaat ataccagaaa cagagataag cgtttcctgg 60

atgaggaagc tcttgggctg tcttcatact tagaatgcaa gccacatgac agcagatgga 120

gaagctaagg aaacaaacat gaaagtgatt tgctctgggt cacacaacta gtaaatggta 180

aagccagagc tgcccaagca cactggctcc tacacccaca cccttggata gtgtgttgta 240

ttcttctcca gtctgcttgc 260

<210> 9461
<211> 275
<212> DNA
<213> Rattus norvegicus

<400> 9461
ggagaatgac aagtaccgaa gacacgtagg cagcctgata aacaaggtaa cgtcatatga 60

agaaattatc aaatgtgctg atcaaagact tgagatatcc cattcccaga ttgcacattt 120

ggaagaaaga aatagacatt tggaagattt aatcagaatg cccagagaga aagccagagg 180

gctaagacca agattagata atcacccaaa gtccatgacc ttgataagtc atcttgaggg 240

ccaccataaa gaatgttcta tttccatgtg aactg 275

<210> 9462
<211> 276
<212> DNA

<213> Rattus norvegicus

<400> 9462
acaagcagag gaggaccggg ccaaagccta tgtcctgaac agtaagttac ggaagcagct 60

ggctgagttc cgggctccgc aggtgatgat gtacgtcagg gagaagatcc tgaatgggga 120

cctggagaag accatcaaga tgtgggagag gaaggtggag atcgcagaga tgtccttaaa 180

agggtaccgg aaggcctgga ataaaatgaa gacttcagat gagcagctgc agatggtccg 240

ccccccctggg aaatagccag gagcttgcag accaag 276

<210> 9463
<211> 169
<212> DNA
<213> Rattus norvegicus

<400> 9463
cagagacccg tgactgcgag ttcggacgct gggtgcggct gctctaccgc ctgcgattcc 60

actcgcccac ttgcgcagtg cccttcacac atgaggacac tgtgcctgag gagtctgagg 120

atgaggatga ggtcgaggag gggcagttgc agcccccgga gtttcatgc 169

<210> 9464
<211> 254
<212> DNA
<213> Rattus norvegicus

<400> 9464
tcaagaacag actggcgctc ctggagctga agctggaaca gaagatgggg gaggtctgga 60

aggagctgaa gacggagaag ctccagtcgc cagaggttca gatgacgcag aggaaccaga 120

aatccttcaa acacgcacag acacagacgg aaacacagac agaatgagag caggttcaga 180

ccgaacctca gcccaacctg gagggacatc tatcctgctt gggccacccc ggtccttgca 240

cacaactttg agaa 254

<210> 9465
<211> 286
<212> DNA
<213> Rattus norvegicus

<400> 9465
catcaagagg gttgccaagg agctagggga aaacttaacc gaagatgagt tacaggaaat 60

gcttgatgaa gctgatcgtg atggggatgg agagataaat gaggaagaat tcttgaagat 120

gatgaggaag accagccttt attagctctg ctttgtgctg tccaagacag cttgcctgtt 180

aagcagttca gtaatgtaat accttagtgt acccatttcc atttttgttt tggttagtcc 240

cttggtgtct actctgtgcc agaagttatg tgtccctacc aatgtc 286

<210> 9466
<211> 242
<212> DNA
<213> Rattus norvegicus

<400> 9466
caggacgacg cctccaaaga aagatgtctc tctgtggctg aggaggagca tccagagtcc 60

atgacgctgg ataaccttct agaaaaacag gcaagaactt ctcactttag ccacgggagt 120

tcggatataa accatctgtg tttgtggaga tcgacctggg cgaccatact gaggaggagg 180

tcatcacctg tgccattaaa gaagagaaga ggccccccca tgacacaggg tacttgtctg 240

aa 242

<210> 9467
<211> 159
<212> DNA
<213> Rattus norvegicus

<400> 9467
taacaccaac cccagttgcc gggcacagca ccaccgctgt ttccttcctc cgttgacctg 60

cgcagtccac gcaggggaac cttcgaccag ttgccatcag caccccagcc atcccatccg 120

ctctgtctcc gaaagtatag acctctactc ggccgctgc 159

<210> 9468
<211> 291
<212> DNA
<213> Rattus norvegicus

<400> 9468
tgagactcgc ccatctgttg ttgcttccag ctgccacagc tccgtttctg ctccattctc 60

ggatgagctc acatgtcccc gccatccccc cactccccca agctgtgtgt tgatctggtc 120

ccggccccac ccctttctgc tttctagaac ggagtgtcag gacacctatt ctaactatca 180

aagcctttgg ccccttctcc tccacacaag cctccacaga ggcttggagg acagaggtcc 240

catcccagct cgacttttgt cccctaggga cccagacaaa gcacatcagc a 291

<210> 9469
<211> 307
<212> DNA
<213> Rattus norvegicus

<400> 9469

gactgtgttg ctgacacctc ggaaaaagag accatcctat cttgacaaag taatcgacct 60

tccacctaca cataagccac cccctgtata tgaagaacga attccttctc tccctcagaa 120

aaaccgtctg ttccaggtat gtgttcctga agacacttaa atcacctgaa ctagcttcta 180

aacgtctgcc cagctgtggc ggcgcacatc tacctgagag gctggagcag gaccagaagc 240

ttaaagtcgg ccttggctac acagtgagtt cgaggcctgc ctgggctact ggaaacccca 300

ctgcaaa 307

<210> 9470
<211> 305
<212> DNA
<213> Rattus norvegicus

<400> 9470
aaagaaccgc acattatatc caaaggtcat aagtttctca tctggctttc ggacacctta 60

ttaatgcgga aagctttatt tgaccacctc accgcccggg gcattcaagt atacatttgg 120

gttttaaatg aagagcatga gtacaaaaga gcttttgatt tgggggccac gggagtgatg 180

acggactatc caacgaagct taaggagttc ttaaataaca tgtcagcatg aagcactcca 240

gatcattgag aggagtcatg atcagaaaag atctgaggaa aggtgtgtta gccacggttc 300

ccctg 305

<210> 9471
<211> 323
<212> DNA
<213> Rattus norvegicus

<400> 9471
tggctaatac ttggcgcaca atccccacta tgtttaaccc tcgtagcaat tttgggatcg 60

aggtagtgga cgacctcttg tttgtggtgg gtggctttaa tggctttacc accaccttta 120

atgttgagtg ctatgatgaa aagaccgatg agtggtatga cgctcatgac atgagcatat 180

accgcagtgc tctgagctgc tgcgtggtac cagggctagc caatgttggg gagtatgcag 240

ctagacggga caacttcacg ggattagcac tgcgagatga agtaaagtat tccgcttcga 300

caagtaccct acctgtatga gcc 323

<210> 9472
<211> 305
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<400> 9472
gggtacctga tcttccattt aagttttata aatcccgacc tcctggtcaa tgcactgccc 60

aagattctga gcagngacgt cttgtggaag ctgcgatgtt tcctctttcc atctctcaca 120

cttgagacag aagacatgtt accccactga tcccaggctg tacctgaggg cagtggaagg 180

cagaagggac acaggctcac aaatgggagg tagcaaaatc tgtggaggga agaggtttgc 240

ctcagtgttt cccttgagct ttgcctactt agtgactgtc tgtcaccatg tcacttttcc 300

aagat 305

<210> 9473
<211> 325
<212> DNA
<213> Rattus norvegicus

<400> 9473
aggtgcctca tgttttgttt catcccatca cgcccggagg aggtgggtga gttctggctc 60

aagaaacgag ccaccttcga ccccaaggcc tggagggccc aatgtcgctg taaacacact 120

catgaagagc acgcagccac tggatctcat ccctgcaggc accgtggctg ttactgcaac 180

tcctttgagt ctaatttcct ctgtgcggct tgcgaccggc gctgggagga gcacgaaact 240

ttctttgaga ctgaggagac caagcgaaga ggaaaaagac cttatgggac aaacactgcc 300

aagaaccggc acaggccctt ctgag 325

<210> 9474
<211> 235
<212> DNA
<213> Rattus norvegicus

<400> 9474
gggtggctcc actggtttga actaccagca acggcctaac aaccagactt tcagtgtcga 60

gatgcctcag aggcctgtga tcaaactgcc agagatccct ctgtttggca atgggttctt 120

ttctttaggt cgtctgccca agttctggga agcaatccgc tctggatgga atgttcctga 180

gcccacctct aagcccgagg gctggtggtg atttggatgc caggcttgtc cagtg 235

<210> 9475
<211> 300
<212> DNA
<213> Rattus norvegicus

<400> 9475
tatgccagac actcacacag cgttatgtga gcatcatgaa caggctgcag agcctaggct 60

acaatggacg ggtgcatcca gcactgacag agcagctggt gaacgcatat ggcatcttgc 120

gtgagaggcc tgagctggca gcatctgaag gtggtaccta cagtgtggac ttcttgcagc 180

gtgtgctggt ggagactgtg caccccagca tgctcaccga cgccctcctg ctgctctcct 240

gcctcaacca gctgtcccat gatgatggca agcctatgtt catctggtaa caccggtgcc 300

<210> 9476
<211> 370
<212> DNA
<213> Rattus norvegicus

<400> 9476
aaagcatcta tgagccgccc atgggcacca tcattgtcag gtggaccaaa aagaacttgc 60

aaccctcaga ggacctcaag tcagtgatcc aaagactgtc agcacttggc ccaattatct 120

cagtcactcc ttgtggccgg gaaagtgctg tcgtggtgtt cagagatgcg gcctcagctt 180

gtaaggctgt gagtgctttt cagaccatgt ctgcagactc aatgttccac tgctcatggc 240

agcatcgatt catgtcaaaa aatgtaagac ttcctattgt caaaaaaccc taatttttct 300

tgaaactata taatttcccc tccctttcct ctccctaacc cctcccttgt attgcttctc 360

attgctctca 370

<210> 9477
<211> 327
<212> DNA
<213> Rattus norvegicus

<400> 9477
agacctgaat ccagatgggc gtggtgagct ggaactttgg ctgtggtcgt cgccaatttc 60

caagcatcta caccagcacc tcccacttca cccagtggat caagagacag attggcgacc 120

tgaagtttgc cagcatggcc gtcccttcct tcctgagccc gttcatcctc actggctaca 180

ttctgctggt atccttgggc tccctgtggc tcttgtgaac tattgtctct taaacagcca 240

ctcctggagg ctacttctcc gtccttctgc tcagccctca gaagacgtgg acaacggagg 300

ctgaacattt caggacagag ggacttt 327

<210> 9478
<211> 367
<212> DNA
<213> Rattus norvegicus

<400> 9478
tcaacatcgc tctgcaggtg gagtatgtgc atgagatgga cacagctctg aaccaccacg 60

tgttccccga ggctgccacc ccttccgttt atctgctcta taaaacatcc cactacaaca 120

tcctttatgc agctgaaaaa cactgattat taggccatgc cagagcctgt catctaatgg 180

actgcactct gaatggaaca tttctgcctt ggcaactttt taagtgattt agacaactaa 240

aaaacatata gccttttggg taaagccact gaactgagac ctgtgcccac tatggactgt 300

gatgacttaa taggaatttt agtatttatt ttgatagata tataatgcct gctaactttg 360

gaccaga 367

<210> 9479
<211> 423
<212> DNA
<213> Rattus norvegicus

<400> 9479
atagtctcaa gccttacctg cagaaacagg cagactctgt atcaagctgg atggctttga 60

ggcaaaagca gaaggcagag ttggagcaga gaaggcaaaa gacacttttg gagctgacag 120

aacaccccaa catgagcttg gagatccatt acaaggctga gctggaggaa gaacgcaggg 180

agcgtagacg gatgcgtttg gctctcctta aatcgtatcc cacaggggtc caggccccgc 240

ctgttgaacg aaatattcct ctggacaacg gtcttctcga tgaggacaaa cagaaccaga 300

tgatccgtga ccttcaacag cagatcttag agcaaaacaa gatacaccag gagtttttgg 360

aaaaagccag gaaacgcttg caagagtttc agaaaacatt ttaaaagcag acccacccat 420

gat 423

<210> 9480
<211> 382
<212> DNA
<213> Rattus norvegicus

<400> 9480
aagatttaca tcaagattac caggggtatt ttccaaaaca cctgatatta cccgaagaca 60

ggacttgtat cctcaaactt tctctggaga agctcaggtt tcttgaagac ccagaaacct 120

acctaagaag gtctgtgtta attaataatt tgctgaggaa gatacaccta gagacggaga 180

aagagagtta tgaatacttc aaggaagctc cctgctataa gactgcttat tctgatacaa 240

gaaaacggct gaagtttatg gtacaggagt gctgttccca gtctctctac tatgaagagc 300

tgcattccta ccacattgtg ccttacactt cggagaatgc catctatggg atgggctaca 360

ctggtgacca cttggagcaa aa 382

<210> 9481
<211> 414
<212> DNA
<213> Rattus norvegicus

<400> 9481
tacgcatgcg caagggcagc actgtgcagc agttcctgaa gcgggcgctg caggggctgc 60

gcagggactt ccgggagctg cgggcggcgg gcgtggagca gctcatgtac gtcaaggagg 120

atctcatcct gccgcactac cacacctttt acgacttcat cgtggccaaa gcgcggggca 180

agagtgggcc gctcttcagc ttcgacgtgc acgatgatgt gcggctgctg agcgatgcca 240

cgatggagaa agacgagtca cacgcgggaa aggtggtgct gcgcagctgg tacgagaaga 300

acaagcacat cttccccgcc agccgctggg agccctacga ccccgagaag aagtgggaca 360

agtacaccat ccggtgatgc tgagtcccag tttggtgacc ttactctctt atac 414

<210> 9482
<211> 437
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<400> 9482
ggcagctcga aagcgtgcat ctgaaattta accaggagtc gggagccctc atccccctct 60

gcntaagggg cagactcctg catggccggc acttcaccta caagagtatc acaggtgaca 120

tggccatcac gtttgtgtcc accggagtgg aaggcgcctt tgccactgag gaacatcctt 180

acgcagctca cggaccctgt ttacaaattc tgttgacaga agagtttgta gagaaaatgt 240

tggaggactt agaagatcta acttctccag aggaatttaa acttcccaaa gagtacagct 300

ggcctgaaaa gaagctcaaa gtgtccatcc tccccgacgt ggtgttcgac agtccgctgc 360

actagcctga gctaggccct gcaggggcca agaggagccc agctgctcct agtgacttcc 420

agtgtggcag cttgtaa 437

<210> 9483
<211> 405
<212> DNA

<213> Rattus norvegicus

<400> 9483
agcaaggcag cgatgtgacc ctggccaggc tccatgccat ccatatctag gaatgaacac 60

tagtcaacag tcagctcaga gtggacatgc cagccaggct agtttctaat ccttctgaaa 120

gtggggactt ggtggccgag gtgtgggaga cctgatgtca acggtgggaa gaaaggcaag 180

ggtaacctga gtataatcct atctgtgctt cacttaggcc gaagaatctt ggagaattct 240

tctcaccagg ttttgtatat actaagatta tatttacaga ctttttatgt cctgggcatg 300

ctacctgccc tcccttcatc tgagcacttt gtattgtctt ttgtgagaac actgaccaga 360

gccttttgc tgtactcttt atgacttacc tgtattggga gtgac 405

<210> 9484
<211> 400
<212> DNA
<213> Rattus norvegicus

<400> 9484
acgggcctca tcaagggtcc tttgttgaaa agagacctgg aggcgcgaga gaaactgaac 60

agacccttgg ttcgcatgta tcagagacat gtgggcaccc agctgccgga agctactcgc 120

cttgcccagg gtactgacct gctaacccgc cacaacttgc aaatggaaaa gaacttaaaa 180

gaactccgta caacacacga caacctcgcc tggagcctca actgcaaaaa gataggacac 240

gatgtggact atgatgtggt gcgtctgcgc ctacgccagc tccacccgca cgtgtgctat 300

gagcaggcga agcgcctgat caacgactgg gaccctcgca caccaccacc gtgcagccga 360

accaatacct cctccaagtg atcacagcta gccttggccc 400

<210> 9485
<211> 492
<212> DNA
<213> Rattus norvegicus

<400> 9485
tcttcatctt tccacgacat cttaaatccc cacagagacc atggctcgag agcggagccc 60

agagacaaag aggaaaccag gcaaaccctt ccctattcgt acagcatgaa ccacccctgc 120

tttgctggaa tagaagacag cctttccagc cagatcaacg agagtctgcg ttgggatggg 180

attctcgccg accctgaggc agaaaaggaa aggattcgca tctacaagct caaccgaagg 240

aagcggtacc gcctcgtggc tctcaagggc ttccattcgg atccctgtgt ggaggagagc 300

gtggagaacc tgccctacct ctcagacaaa gaatgcagcc ccagcagcaa gcagcccagc 360

tctaagggcg accacgcgca cagctacttt gaggcctcaa agctcccgca cccagaatta 420

gccaccactg cggtcgagtg acatctgtcc tccctgctgc tgagtacctc cttgccacac 480

gtttatatgt tt 492

<210> 9486
<211> 291
<212> DNA
<213> Rattus norvegicus

<400> 9486
aggtgcccaa gtactcagcc aaggggttag caggaagcgc agtcggcatc tcaagctata 60

cgcagagaat cctggaccac agggaggaca cgtccgtcac gtggctatcg agcagctcct 120

caagaactgt tccaagttgc cctgcctcca agtgggacgg accggaacaa ggccacacct 180

atccactaac aactgagctg agcacagctc ccgcgctctt catctctgtc gctctgctaa 240

gcatctggac cgagaaagca tttgaagaac gtcatggtcc attttcatgg t 291

<210> 9487
<211> 305
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<400> 9487
agaatcggct ctgtatccta gcagagcaga caagcggtgg atacctgagc aggagtggtg 60

gccagccatt cctggctggt gcgtttcctc gagcaggtgc tgctgtcctt gccctagggc 120

atctccaggg ccctgggatc tacgggctct ccacacatag ctgagcccct tggtgcttcc 180

tcttgcggca tccacntgga gccatccagc cttcccctgc aatccctcac tcgggcccta 240

gcacccacct ggccatcctg ctgctgtgcc cagcctctct gtgtacttac cgcatagggc 300

agagc 305

<210> 9488
<211> 341
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature

<222> (303)..(303)
<223> n is a, c, g, or t

<400> 9488
ttagcccttc taagagttcc tgagctaaaa cgtgtgctct gtagaactgc acgcaaactg 60

acagccgagt aaaagggggc ggggctgcaa ttcctgagtc tgatcggtca caaagttttc 120

acctctccag actctccact cctttactca tttgcaactg caaatgtagc aatttgcaat 180

cctaataccg ggccagaacg ctgggtacct taaagcttta cttgacatca tctagtgctt 240

tctgtccatt ttttaatgac ttttgttttc ttgtttcttt aaccctatcc cctccttcta 300

ccntagtatg agacccgtac ccctttactg tgtctaaata t 341

<210> 9489
<211> 341
<212> DNA
<213> Rattus norvegicus

<400> 9489
tgctatactc tttgtgttct tccttttttgt catgttctca ccttttttgc ttgagataga 60

ccagcacatc aagaaattct ttctcagatg ccgatgttct ctgcgcaatg cttcccgtaa 120

ggataaagac agtattaagg tgaagatgaa ccatctggga ggggcaagaa gtctccttca 180

gacccctggg agagaagctc caagaaaaga gacaactggt gggagagaag acagctcaat 240

tctggtggaa attgtaggag agaggacccg ggaagtctgc ccagtgacac cagtttgagg 300

tgaccatatc tgtgaggtgt cttgacatcc ctgttacaga a 341

<210> 9490
<211> 391
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<400> 9490
ttactctgta gttcgctgtg aaaacagtct ggcaagatgc cactgttcca gtaagcagac 60

aaatcgagga tgcttgtctg tatcttaacc ccctccagtc aggaggctga gtcccctcct 120

ccataccagt ggcccaaaga gaatgagaca gagttagaag tcatagtagt ctgtgtttgg 180

aagggcagtg gctgctctca ttgatgtgta gctgggaagt tttggggacc aggcagccgt 240

actagcagtg ggcaaagcaa gagacaatcc ctggtgcaac acgcaaaatg ctggaaggtt 300

tttngagtat tgttatagct gttgcaacgt gagccatttc ctctgcagtt aaacacggtt 360

tagtttatgc tgcagcgcga gcccagggta a 391

<210> 9491
<211> 385
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<400> 9491
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ggcaggagcc agacagtagt ttcaggttca atttctacaa ctcacagtat nccaactctc 120

tcaatccctt ntacaccctg cagaaaccca cctgtggtta cctgtaccag agagaaactg 180

accacacacg gaaatgcttt ggcattcctc ccgcaaacct ggtcttgtgg cgcagcacct 240

actaaatcca aggcatctgg aagtccccac cctgcacctt cactctgtgg tcctgggtcc 300

cagagggaaa agtcattcat tcctggagaa gcggcgtata cctgngctag ccaggtatgc 360

tgtgacagct gagggaggcc tcttc 385

<210> 9492
<211> 380
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

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ctgccgggac cagacccagt atggcctcat tgattaagtc cnccagctgg aggcaaccat 120

tagtatcatg aagcagaaac ttgcgcagac acaggatgct ctggatgccc tgttcaagca 180

cctggcccgg attcaggctg atattgcgtg caagaccaac accatgctct tggacaccaa 240

gtgtatggat atccgacgca agctgaccgt gccggctgag aaatttgtgc cccaggtgga 300

caccttcacg cgcacgacaa accgcacact gagtccactc aaaacctgcc agctggagct 360

aaactagact ctggcggctg 380

<210> 9493
<211> 466
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

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gaatacgggt cggtgaacga atgcatggaa gncatctgta agatgtacga ggagcacctg 120

aagaggntga acccccctcag ccagtccatc acctatggcg tcagtcagct gtttgagttt 180

atcgaccgca tggtagacct cagctgcctg gtgttccgcg aagataccca gacctacaag 240

cctcacagcc gagaatgggt caaagagagg atctacatgc ttctcagtca gcaggcgcaa 300

cgagacgagt cagagtgatc ttctagaagc ttccagggct ggggctgtct cggaccgccg 360

ggaacatttc tgatcgaagc agcaggaaca agctggagcg atgagccatt ttccatggaa 420

ggctgcccct aacctgtgaa taatttctct tcacgtgagc tttgag 466

<210> 9494
<211> 472
<212> DNA
<213> Rattus norvegicus

<400> 9494
aagcgacact atttcatggc gtacgtggaa gcttgctgct cgaagggccc gtggaattca 60

gaagaggctg gaggaaaaag aagcgccatc tcttcttgtt gaatgatctt ttggttgtgt 120

ctaataatgt acacaagaag aagtttaaga taaaatatat catcccactg agttacctct 180

ggatttgtga ctatgcagac cttgtgggag gagacaacag gactgcctcc aagtccatct 240

tcctttgctg gcccatggaa aattttgtgg ccaccttctg taccaaggaa cagaaaaaat 300

ggtggtggtt tttcctccaa agatacatca atgaggccaa gatgaatggc gagagtaaga 360

gtgctgcact gcagatggtc acagaggaca tccgacgctg caccagcgca tgcgcctaga 420

catctgctgc tgtctttgcc caatccagag gaagactccc atttattccc tc 472

<210> 9495
<211> 436
<212> DNA
<213> Rattus norvegicus

<400> 9495
aggaggtccg aaccaagctt cgcatccacg tgctggctgc actcatcacc tttttggcct 60

atgcaggagg gagcctcaca ggagcgctgt ttaacccagc actggcactt tcgctgcact 120

tcccgtgctt tgacgaatcg ttctataagt ttttcgtagt atattgggtt gctccttctc 180

taggcgtact gctgatgatc ctcatgttca gcttcttcct tccgtggctg cacaacaacc 240

aactgagtaa caagaaggaa tgaccactcc caaagactca aacgaagtca gtggacgatc 300

aggctggatg tgacggtttg ggcacctttc aaactctgga ctcatcctgc ttctccttcc 360

tttgtggaag gtgtcttact gttttcacta cctggacttc actgtgaaaa tgaggcagcc 420

tgtatttctc agttaa 436

<210> 9496
<211> 531
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<400> 9496
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tatcctgcgt ttcccccacc tttcccaccc cagcactcca gccggggtgg cnttcatggt 120

ggcccaatgt catctcntgc tgctactcgt gnttccgcga gcgttcccat cgctgccagc 180

tgcacgccgg aggtcaccgt agcccgcata tctgtctcca gtccaacttg gttcggccan 240

tgcgacccca ctgaaaccag gcgcagtcag atagccgaaa gggcccggag tcctcacgaa 300

ggaaagactt cggaaaaggt tgaagagcct agagaaggta tggctgttgc taagcctgag 360

gctacaccca tggttatgac tgctgctcat acgcccacct caccctcgct tagttctggt 420

catggagcta atcccagcgt gactactgta aaagcgccac cggaagagtc gacagcgctc 480

tgaacctaga gacaacactc cacgtttgag caaacggttc ccaagggtcc a 531

<210> 9497
<211> 468
<212> DNA
<213> Rattus norvegicus

<400> 9497
aaagatggtt gcttccttgc aaagtgagat gatcgaaaac caagcactcc aggatgtgca 60

aaatgaacaa agagtatatg caaaaataca agctacacat aagcagagag atcaggctca 120

caagtcatgg gaaaacttct tggctagaac atcaaatgct aaaacattaa agaaagcaaa 180

gagacttcaa gaaaaggcca tagaatcctc cagatacagc aaacgaccac aaaatgcaat 240

attccaccaa acagttatta aaggccttaa cacaacggta acttcgggcc aggtggtgac 300

agtggaaagc actcctactc gattgctggg aggacctctg gctgacacag acattgctct 360

taaaaaactg cctattcgag gaggagcctt gcagaaggtg aaagtgaagc cgctggatgg 420

ccttaaaaag accgtcccga tctgatgtgt tccactgctg ctgaaata 468

<210> 9498
<211> 458
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<400> 9498
aaggccaagg tcttcagtcg ctgtgagctg gccaaagtgc tgcatgactt cggtctggaa 60

ggctacaggg gatataacct ggctgactgg atctgccttg cgtactacac aagcggcttc 120

aatacggatg ctgtggatca cgaagctgac ggaagcacca acaacggcat cttccagatc 180

agcagccgga agtggtgcaa aaacctcgcc ccgaacggnc ccaatctttg caggatatac 240

tgcacggatt tgttgagcaa tgatctcaaa gattctgtcg cctgtgtcat gaagatagcg 300

caagagcccc agggcctggg ctactgggaa tcctggaagc accattgtca gggcagggac 360

ctcagtgact gggtggatgg ctgtgacttc taggaccctc tctggatgga ctaagccaca 420

cacagctggc tgggaagtgt gggcttgttc ctgaccca 458

<210> 9499
<211> 230
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<400> 9499
gtcaggcaaa aatcctaccc ttcaatgcat gggcaacaga ggattctgta ggccttcntg 60

caaaaagggt gaacaggcct acttctactg cagaacttac cagatatgct gcctccagtc 120

ccatgtgagg atcagcctga caggcgtaga ggacaacact aactggtntt atgagaaaca 180

ctggccaaga ataccgtgaa tgctggtacg ccatgcacag acttccagag 230

<210> 9500
<211> 243
<212> DNA
<213> Rattus norvegicus

<400> 9500

gggtacatca gatactccgg gcagtatctt gagctgggtg gagctattga ctctggtgca 60

gcgtatgtgt tagagcaggc ttcttctcac attggtaatt ctactcaggc tgccgtaaga 120

gatgccatcg ctgggagacc acctgctgat aaaaaatctc aatagcatct taatgggaag 180

atccagcaag agcccagtca gcgtctggat ttctgctaat gccatcacgg gttcagttcc 240

agg 243

<210> 9501
<211> 238
<212> DNA
<213> Rattus norvegicus

<400> 9501
tttaccagag gtcacaccgg cccaatgtgg agttgtgccg ggacaatgcc cagttcaggt 60

tgatgagcga ggtggaggag ctgaacatgt ccctcaaagt gctaaaggag aagcttcagg 120

atgcagagca ggcactgcgg aacctggagg actcacgcat gagtctagag aaggacatcg 180

cagtcaagac caacagcctt ttcatcgacc gccagaagtg tatgacccac cgcaaccg 238

<210> 9502
<211> 300
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<400> 9502
gggacatgtg tagacaatgg gcttagagca cctcctcctc attccccaaa gcctntcaca 60

gaacataagg tgtctggaac ctcagcatct ggttaacctg accntggaaa atgcctctga 120

gtgtctgacc cagcactgac agtggctgcc agccccagcc ttggcagggg ccagaactca 180

actgcgctnt ggcagcctat tcctctggag atgctagcag ctgcctgctt caggtcacct 240

ctcccactcc cgtggagccc aggctgggcc tgggcaggga gatggacttt gtgtaagata 300

<210> 9503
<211> 384
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<400> 9503
tttgttttca ccagtgtgct agtgatntac gggattgtca cacttgtggt tcgatcatat 60

tggctgcatc tggtatactc agcactcgga acactgctct tctccatgta cctggtgatg 120

gacgtgcaga tgatggtggg ggggcgctac cactatgaga tagaccccga agagtacatt 180

tttgctgctc tgaacatcta cgtggacatc atcaaccttt tcattttcat tttggacctg 240

attgggcgat agctgatggc tgaagctggc taagcctcag aagaggaaag gtggggcacc 300

cgtggcatgg ctaccaggct caggcgtgcg gtggtgacca ttcatgggcc ctttgaatag 360

tcactcattt accaattgat ctgt 384

<210> 9504
<211> 379
<212> DNA
<213> Rattus norvegicus

<400> 9504
tgtcccaggg tcatgtggcc accactggtg ctgctgtttc tgctgcttcc tgctgcccat 60

ggcgcccccc acccagctgc cgacctccag gaaaactttc caagtgtact cgaagaaatt 120

caaactgaag gagacagagg catgtggagg gaagacaacc tgtttgctgg ctcccgctgt 180

cctcctggct cataaggtgg cttctatgtg gtccagaagc tggggctgag gacctgtagg 240

ctcatgaggg cctgccaggc acaggatcgg gagtttccca cttcctcctt ccggtctcct 300

ccagggccct tcagctgctg aaggggctgg gggtggacac cagtatccta gcaggggaca 360

tatatgaaac tcaccagac 379

<210> 9505
<211> 406
<212> DNA
<213> Rattus norvegicus

<220>

<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<400> 9505
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gagtactggg aatcgctggc tatggttatc cctttctcca agcagaacct ctgggatgcg 120

ctgttcaagg ccttggagaa atactacctt gtgctgaccc agagggccaa gctgctgatg 180

gagaatgact ccctggagca gcagaatgca gagatgcagt ccctgctgca gcagtatctc 240

cagnccaagg taaatttgga actgcaggtc cctccaactc agggcttccg gatgccctca 300

aaatagagaa ggctgtgcac agcctggtgt catagagtct gcacctgttg cctgagagcc 360

aggccctccc tggattctcc tgagctgcat ctagctgcca aagcaa 406

<210> 9506
<211> 427
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<400> 9506
gactcactgg cgactctaac ttggagttcg ttgccatgcc ggctctagcg ccacctgagg 60

tgatcatgga cccagcatta gcaaagaaat atgaacgtga cttggaggta gcacagacca 120

ctgccctccc tgatgaggat gacgacctat gagaaagtga agcttggaag gcatcgcaag 180

cctaggggga caggaaaatg agctataaca tcagctgtgt ggcctgtgtg tcaccttgct 240

acttaactaa gcngactcgg actcccaagt ctatgggagc caaacagaag acttcggagt 300

gaatgtggca gttacaaaca tactttccgt ntggaattcg cagatttagc tgcttggtgt 360

gcatttgttt cttctcagtt caaaactaag agtgctgcag ttacatcctg tattctgtgg 420

caagatc 427

<210> 9507
<211> 381
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<400> 9507
gtgtgtgaga gcactgcatg tttaagattc ttgtcttggg caaacactct tgtgggggct 60

ttcagactaa gacaaaggca catccgggga atttcaggga acccaggctt gaaagagcca 120

atcagttacc tttcgcagat attagaaatt gaaaaatcat tggagaactc tttcgactta 180

tggccacatt gcgttttcaa cattgatctt aggtatattg ataccaggac aaaantgtta 240

cacattcgaa agaagcttag tngtgtgtaa aattagagta gaaagattcc taaatctctt 300

tttatgtnta ccatattcac tcaccatgga ttacacaaaa agtaaatgta ttacacgtaa 360

aaatggtatt gatttctgcc c 381

<210> 9508
<211> 505
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<400> 9508
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tcaactcccc catggagcca gaatccatag aaatttgtcc ttataaccca caccaccgaa 120

ttcctctcag cagattccag taccacctgg cgtcgtgcag aaagaagaac cccaagaaag 180

ccaaaaagat ggccagctgt aaatacaacg cctgccacgt ggtccccatc agaaagctgg 240

ctgaacatga agctacctgt gtcaacagaa gctccatgga ggaagaggac gccttnggcc 300

ctctgcaagt cagcctccca cggnctcaga acgaggacac antacaggtc cgttggcttn 360

ccagccctga tatttggaat gttgacggtg ccaactgtca cccaatgttc gtccttaaga 420

gttttgttcc ccaaaaactt gtttgtgaaa gtgacatcca agagtcaccg ggaggagacc 480

aatgcccaga agatcctcag actag 505

<210> 9509
<211> 284
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<400> 9509
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ggactgtgag ctccagtggg gtccacgagc aaatctggaa nccagcaaga tgaaagtcct 120

gaaatttgta gctaaaatcc acaatcaaga tcccaaggac tggcccactc aatactgtga 180

agccttggca gatgagcagc gtaggctcag acctgagcca agtggtccag tcccaacctc 240

ttgaagtaaa tgtcctagat tctcacgctc acgccggaag aata 284

<210> 9510

<211> 283
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (94)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(102)
<223> n is a, c, g, or t

<400> 9510
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agagcatgga tccctcctga ttcctctctg gccnnnnangn nncttacggt caagctgctc 120

ttgggccgaa gatgcagcct gaaggtatct ggaaaagaaa gtgtggccac gctgaagaag 180

ctggtttctc agcacctgca ggtgccagag gagcagcagc acctgctgtt ccgaggccag 240

ctcctggctg atgacaaata cctctcggat tacagcattg ggc 283

<210> 9511
<211> 329
<212> DNA
<213> Rattus norvegicus

<400> 9511
atagtactcc tatcatatgc catgatgctt ccattggcca gatgtgcact aaaccatctc 60

aagattcaaa gcattccgaa agttgtggga agacagaaac actcaaagcc ctcatcaaat 120

tttcatgaca aatatggcaa tatgatgctg ttcagtgggt ctgctttctg tctaggtgca 180

tatataattt ttatgaccca gatgggggtg gagtggaacc tgtctcctgt gggcagagtc 240

acccccaaag agtggaatga gtaactttct cagtacacta acagaattgt ctcaaaccta 300

acttgtcacg gacatgttct tctgttcag 329

<210> 9512
<211> 512
<212> DNA
<213> Rattus norvegicus

<400> 9512

tcaaggatga tctggctgcg gcacacgcca atggctgtga ggaaccaagt ttccagatga 60

agctggatgc ccatggtttc gctccggagg acttggtggt gcggatagat ggccagaacc 120

tgatggtgac cggcaagcgg caacaggagt cgaatgaccc gtccagaggc cgctaccgcc 180

tggagcagag tgtgcaccga caaatgcaac tcccgatgac cttagatcct gcagccatga 240

catgcagcct gacccctct ggccatctgt ggttcaaggg acaaaataag tgcctacctc 300

tccctgaagc ccaaacaggc ccccaaacag gccaggcctt gagattcaag aggggaagtt 360

ctaagtgccc caacccacct taacgaacta aacaaccgag gcgtgcagta gccttaaagt 420

ccctcagtgt ttttccggag ggtgaagagt tggaaataag tggctacccg actcccccaa 480

agtccaaaca ggccagggca tgagactcag ga 512

<210> 9513
<211> 227
<212> DNA
<213> Rattus norvegicus

<400> 9513
aagggcgcag cagtgcagag catccctgtg tttggggcct tgcgttcaac ttcatccttg 60

cagcggacac taagagactt gggtgacgag ctcgccagac ttgacctgcg gcgctgggct 120

agcttcatgg acgccggggt ggagcaggat gacatggaag agctgctgca ggagctacac 180

agcctggccc agtgctacca ggagggcggc ggcctttcca actgacg 227

<210> 9514
<211> 277
<212> DNA
<213> Rattus norvegicus

<400> 9514
atgaccaagg aggtcctgaa gctgaaggag gccctgaaca gcctctcgca gctctcatac 60

tccacaagct cgtccaatag gcagacccag caactggaaa tgctacagca gcaggtcaag 120

cagctgcaga accagctggc tgaatgtaag aaacaacacc aggaggtcgt atccgtttac 180

agaatgcatc ttctatatgc tgtacagggc caaatggatg aagatgtcca gaaagtcttg 240

aagcagatcc tcaccatgtg taaaaaccag tctcaga 277

<210> 9515
<211> 254
<212> DNA
<213> Rattus norvegicus

<400> 9515

atgtatatgg actggctgac tgtgtgaatc acaccccaat gctgcggctc tggatatcct 60

ccatgaagca ggaccccgca gtgtgcgctc tgcacattga taagaacatt ttcctgggct 120

tcttgaatct ctatttccaa aacaaccctt gtgcctttga ttttgggctg tgtggcccaa 180

tcgtacggta atccagtcat tgcccaggat tctcctcata tctgattctg catcacgggt 240

catcttggag tcag 254

<210> 9516
<211> 316
<212> DNA
<213> Rattus norvegicus

<400> 9516
tttgattgcc ctctgtgtga agaagtgaac atgactagac agcgtttgct ggatcattgc 60

aatagcagcc accgaggtca tgttgtgcca gtcatttgcc cgatttgtct ctctcttcca 120

tggggcgacc ctactcaact caccagaaat tttgttagcc atcttaacca gaggcatcag 180

tttgattacg gagatttcgt gaatcttcag ctggatgagg aaacccagta ccagattgcc 240

atcgaggagt ctttccatgt taacatctag gttttcctca tcccgacaat tgctcctacg 300

ggacaattta catgaa 316

<210> 9517
<211> 356
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<400> 9517
gaatctcagg aaaacgcacc cagtttccac caaaattaaa ggtttatacg gaataaaaga 60

agaggtgttc ctcagtgtgc cttgtgtcct gggagagaat ggcatatctg atattataaa 120

ggtgaagctg agccctacag aggaggccca gatggtaaag agtgcagaca ctatttggaa 180

aatccagaaa gatatcaagt tttaagtcac ccttgtaaag atattgaaga cagaagacgc 240

agtgatgccc agtgtggggt gactggagtc tgaaagctgg agcgcctccc tttaggtctc 300

ctgttatgta gcacccagtg gctgnggact ttacagtttc tgggtgacag cattaa 356

<210> 9518
<211> 436

<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (202)..(203)
<223> n is a, c, g, or t

<400> 9518
gggacaagaa cctcatgctg gccaccttga agcaagaggg tctcctctcc cgttacaagc 60

agcagcgcct gttagcagtg cttccctcgg gagtgagtaa gaagtgcagc tcccagcctg 120

tagagccccc tgagtctgca gcagcttcac cgtgcaagga gtctatgaaa ggctccctga 180

ctgtcctgct tgataacctg cnnggcctga gcgaggccat ctccagagac gacgctattt 240

gtctggaaga taaccagaac actaagagcc ctccttccaa tccactgctg ggccggagct 300

gtcaggagga ggagtgaagc tagcctggaa ttggatcccc aggagggttg gatgggagga 360

catggggtgg ggccagcctg gccctgctcc ccagcaagcc ttgggacccc agcttccacc 420

aagttcaaac tctgta 436

<210> 9519
<211> 478
<212> DNA
<213> Rattus norvegicus

<400> 9519
gtctcccagg tgttttggcc aggaaccttc acgcaggaag tcatggttcg aatcaaggag 60

ctggccgcat gtaacccaat tgtcctggag gaatccaaag ccctggtgcg ctgcaatatg 120

aagatggagt tggagcaggc caatgagaga gagtgtgacg cactgaagaa gatctggggc 180

tcggcccagg gcatgaactc catgttaaag tacttacaga ggaaaatcga tgagttctga 240

ttggcaggct gagcaggaca ccagcgactc ccacttgcta cggtcgttct taacagtagc 300

ttgtgtttgg aggcagacct gggaacatcc aggctattta ttgccgacgc gtttttaagt 360

actgtaactt taaaataact acaaggcttc tttgtctaag cgtctttatt ttatactcat 420

gtatacacaa gtataaaaat gtaattgagc actaggctgc tcctggaagc tctaattt 478

<210> 9520
<211> 483
<212> DNA
<213> Rattus norvegicus

<220>

<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<400> 9520
gagcagattt atcacctaca ggaacaactg aaatgtttcc tgaaggagta aggaaagcct 60

cagcctagca cacaaagtgg attaactttc agatgaaga ctcaggggga ccacatactt 120

ctgtccctct agttactttg ttgggtattt ttttctagtt agagtaaatt tgaggatcat 180

agttatatag aaggagacat atatagaagg agttacataa atgcataata agtttagaaa 240

ccccactaaa taggggattt tgtttctttt tgtcaatttg ggattatatg tatgcatttc 300

tttatctttt actctatggt accatgagat catccagcca tctttgtcaa aganccatag 360

gtgttttacg taagttagct tttcaaacac tgttttaagt atttcctact gtattgaaaa 420

taatcaattt gtcagcagaa gcagaaggtc aaattgaagg ccaggctggc ctttattgta 480

aga 483

<210> 9521
<211> 363
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

<400> 9521
tacagctccc aaccgtggga agtttcaaga ccgacagaac ggggcgacaa gggttatgtc 60

ccctctgttt ttatacccat ttcaacaatc cgaagtgatt ccacggagcc acagtctcct 120

tcagaccttc tccccatgtc accaagtgca tatgctgtgc tgagagaaaa cctgagccca 180

acgacaattg agactgcaat gaattccccg tattctgctg aatgataaat caactcttca 240

aagaaggaag cagaggaaac tagagactgt tctttaccnt agatcacaat ttatttcttc 300

agctttgtaa ataccggttt ctagaaaatg ataggaagtt cgaagctctc ttctcacttg 360

gtg 363

<210> 9522
<211> 430
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (318)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(331)
<223> n is a, c, g, or t

<400> 9522
gaacgtccaa gggattgtac ctcgatctta ccattggccc cttccctggc cggtagtcca 60

ccttagtagg caagttaaat atagccggct ggtaaacgac acctaacagc ctcnccgcct 120

angggaacga acgaggaatg gtccgaagtg ctaagaactc cgtgagagaa gacgccatag 180

agtaaccacc tcccctgcta tctctcaagt taccttgact gaacccattg agttatctgc 240

tcagcactgt gatcttttt tttctctcca aaggacccgc gttggacaac aataaagaaa 300

atttaccata tcannnannn nanannnnnn ntgttgttaa gcttggggct tctataccgg 360

gcagccacca tgtcccttgt gtcatccagc cgcgccaccg tgcgcgtctg tatcctaagc 420

gctggccttt 430

<210> 9523
<211> 149
<212> DNA
<213> Rattus norvegicus

<400> 9523
cttctgggtg ctgagatgaa aggaattgtc tgagtctcat ttctttacca agggatatac 60

tttgcatgtg atcccgtaaa gtgtgtaagc aatcacttta ttaaccactc actttgctaa 120

tagtcataca ttccatcagg gccctttca 149

<210> 9524
<211> 379
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<400> 9524
tgaagatctg gcatacgtac cctattattt ggatttatct gatcacaaat atttgctgga 60

aggtgccact ttatttaaca aagaggaaca ccattactct gcagctttcc agatcgacgg 120

acattggatg cactatgatg gcctcagaaa tgtgaattta attttgttaa ataaaccccc 180

agagtttctc ctcttgtcat cattggttta tattcgagca acagagaaat aaatatagac 240

tgatgctgaa ttaaattgtt ctcccgcctg cccgtgctcc ccagaggaag ggctcttgtt 300

ctgtatatac ttggtatcca aggagacagt tcaactatac tagtttcana gatggatttt 360

tcattgtttt gccccaggt 379

<210> 9525
<211> 203
<212> DNA
<213> Rattus norvegicus

<400> 9525
cctcaatcca gaaccgtatc cggaagcagg attctcctgc accagaactg gaatgcaagc 60

aagctacaga agaaaccaag gcactggcta cagaggaact caaggcacag ggcctggaca 120

aactgataga aaaaatccag atgcacctga aggacatttc atgcaaagac aacctccggg 180

aaaggttcca agtatacgac aag 203

<210> 9526
<211> 476
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (178)..(180)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<400> 9526
ttacacccag atccagaagt tcagtcagca aaagatgaaa cttttggtga atacagtgac 60

agtgatgaaa agcctctcaa gggaagcctt cggtccctga atagaaacat gcagcccaca 120

gagagtgctg acagtttagt ggaatatgga gaaggagatc agtccatatt caacgnannn 180

ggatcattta ttggcgccta cacaggagct aaggagaaag gatctgttga aagcaatgga 240

agttcaactg ccaccttccc actccgagca taagcacagc acatccatgc accaaggctg 300

gctcacctgn acctctccag tctcttaagg ggagcaaggc cttttccaca ggagtgaaaa 360

atgtgtgtcc agaggttgat attctgcaat tttgctcaga aaaatagcac tgccttccaa 420

aanaaaaana aaaaagaatc atatgccaag tacttcaacc ctgtgtttca ttttgg 476

<210> 9527
<211> 296
<212> DNA
<213> Rattus norvegicus

<400> 9527
ttgccatcta tctcaggcag tgagagccag ggtgttggtt cttctgagct acccaggaag 60

aggaggaaaa gcttttgcct gtctgccctc tcagatggta acagtatgac tcagctacca 120

cacttcaaga gaaaaccctc tctcaagaag ggggaaggca ctcagcttcc ctgaggaggc 180

tgggcccagg agaacaaggg cagggacaat tcccctgacg atggctctta aggaagggga 240

cccagcttcc tgtctgctct acttcatccc tattcaaact tcagtgcatt gcacat 296

<210> 9528
<211> 373

<212> DNA
<213> Rattus norvegicus

<400> 9528
gaaacacaac aaggctaagc tccagcagct gcagcagctc cagcagatgc accagatgca 60

gcagctgcag cagctccagc atgcccggcc ccacgtgcac aggcagccaa acatgggcaa 120

cctcggcatg ccgccctctc ggcctcagag tgcacagatg ttagctgaca gcaatgcagt 180

tccttcaggg caaaagaaag acagaccagt ctcttctgag gggcgtctcc tgcaggcgaa 240

tatccccaca gacatgggaa gtctgccggg tagccaaccc gggatgaacc tgcagatgga 300

tatgcctcct ggggagggga tggaggagcc cacccgggga ccacggtcca ccactgctca 360

ctgaacagac aga 373

<210> 9529
<211> 395
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<400> 9529
gagacttaga cgcagttggc aagcagtcct gcaggcttct gttantattg ctcaggcggt 60

atcntgagcc ccttcntctn tggtgtnttg gcaacccact gtgnccattg gcatgctgct 120

tcgcagtaca agccagaaag ccaagcagac tcccaaagcc tgcagagggc acactacact 180

gagntactta gagtgagggc tggtgctcca ggcttgtggt tgttagccag taagcgctcc 240

ttgggaacct nctgagccag gtgcntnctc tgaacctagg ggctggttga cctaaccttt 300

gggcgagagg aagcaagcat ggacagaggc agttgtcact agggaaccca cattcctcaa 360

agtcagcgtc ttggctccgg gcatctttca ttaaa   395

<210> 9530
<211> 337
<212> DNA
<213> Rattus norvegicus

<400> 9530
agctgactac agattatgag gcactgaaaa cacaacttca agacaatgag acacatgctc 60

agcttacaaa cttggagagg aagtggcagc atctggagca aaataatttt gtaatgaaag 120

agttcatagc aaccaagagt caggagagtg attaccagcc agtgattaaa aatgtgatga 180

agcagattgc agagtacaat aaaaccatca tggatgctct ccatagtgcc agcagaagct 240

gaaacgaagt ccactgaatc tacaagaatc cacaagcatg ctaaaagtaa attagcttcc 300

tcttgaagag ttagacccca ggtttttaaa tgccatg   337

<210> 9531
<211> 350
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<400> 9531
agttaatcct acaaatgctt tccagggact gggcnccaag ctgcctccag tcgttggaat 60

cgccagtaag cttaaagcta acctaatgtc ggaaaccagt ggtagtatac ctctgtgcag 120

tgtattgcca aagctgatca gctaatggac cactcagact catacatacg tatttttaat 180

taccttacag acatgcaaat ggaaaaaaaa ataattgaag cccattcacc gatggatatg 240

tttttgttag acnttttttt ttttaacaag gcagaacatt tttatatgac tataaacaaa 300

tgcttcaagg gctaatgtct aaccagcttg tattggccat ctggagtata 350

<210> 9532
<211> 378
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (93)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<400> 9532
tccctcttga cagtccttga caggacagtt ggcaaaatgt ctgcaactcc agaaactgtc 60

ccttactctc ttctgcctct tgattgtcat tcnntggaac ttggaatgca acttttggt 120

ctggctncca gctttcaaat ttctgatgaa catatccatc tagcagtagg ttctacatga 180

ggttaagtaa aatatatcta gagagtgggg taattaaatt gacttctgat gaaaagcctt 240

tatagccaag tagccccgta gtctaaagga actgtttctt gcctatgtct aaggatggct 300

taaaggttca acgagtgggc aaggtacaga aaacctntat gcactgatcc gatgactcgg 360

ttgtctttgt actaatta 378

<210> 9533
<211> 410
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (74)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<400> 9533
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gctggacagg tacnnnnnnn nnnncncatc gaccaaagtg tccaatgggg ttgcaaccac 120

ttgggttggc tgtgagaatg gctcatcttg aggttgctga agaaggggcc catgtgcccc 180

acattgctgc ttttgacttc tctccttctt tttcctcttc ttcctccgct tgggcaatac 240

ttcaaattca cgaagatcca gggtccccag tgtcagctct actagctcca actctacttc 300

ggagccatct tcttcctgag actcggaacc tagaaaagga tatgatctca gatctgtcta 360

aggaataggg agagggtaga aagatgtggg cttcctcaga tgggtttaca 410

<210> 9534
<211> 501
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (207)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)

<223> n is a, c, g, or t

<400> 9534
accagtgtgc gacatccttc aaggacaacg acaccaagca tcactgccgg gcctgtggtg 60

agggcttctg tgacagctgt tcatccaaga cccggccagt gcccgagagg ggctggggac 120

ctgcgcctgt ccgtgtgtgt gacaactgct acgacgccag gaatgtccag ttagatgtgg 180

ctgaggcgca ggcagatgat gaaggcnnnn ngntgatcgc caggaaggtg ggcgaggccg 240

tgcagaacac cttgggagcc gtggtgacag ctattgacat accactaggc ctggtgaaag 300

atgctgccag gccggcctac tgggtgcccg accacgagat cctgcactgc cacaactgcc 360

gcaaggagtt cagngtcaag ctctccaagc accactgccg agcctgcgga cagggcttct 420

gcgacgagtg ctcccatggc cgcagggctg tgccctctcg aggctgggac catccagtcc 480

gagtctgctt caactgcaat a 501

<210> 9535
<211> 517
<212> DNA
<213> Rattus norvegicus

<400> 9535
taagctcacc tatactccca tttttaatga atatatttcc ctggtagaga agtacattga 60

agagcagttg ctggagcgta tcccaggctt caatatggcg gccttcacca ccacactgca 120

gcaccataaa gatgaagtgg ctggcgacat ctttgacatg ctgctcacat tcacggattt 180

cctggctttc aaggagatgt tcctggacta cagagcagaa aaggaaggcc gaggactgga 240

cttaagcagc ggcttggtgg tgacttctct gtgtaagtca tcttctacgc cagcttccca 300

gaacaaccta cggcactaga tccctccttc acacagtggg tgtgatggat atgaggtcac 360

cagcccagca ggctcagaga aatatgggct aatgacagat gcatcctgca agacccactg 420

tgccacagcc cttcgttcat gtgaagtatt gacgagtcct ggaaaacatg actgaccctc 480

ctggcccttg tcagaacctc cttcctgtag tcagtaa 517

<210> 9536
<211> 532
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<400> 9536
ttccaaggtt ctctggatcc tgtgtgggtg ttgaagtggt gtacgaaggg ggagaatctc 60

tgggatgggc agggcctttg aagagtgggg gctggtgaaa cacaagttta ggaatgaatt 120

taaccatcct gagtcatgta tgaaattcac ttctagaggt gaacccctga tttcctcaag 180

cctcactcgg gacagaaggc accatccagt tcagccttct gcccactttg cctgatcccc 240

aggcttgggt accaggcttg atgtttgatc aaggcttcca gactatgcag ggcgggtgcc 300

agggantggg atgttgacag caggctctgc agcatccact ttgntcagcc accacccctc 360

gctcnacctc ttccagcaag tgagcatcct gatggcttca cctccccgtg aagctccagc 420

aatgatgggc gtcctttctc atttaaaaat gtagatttta gtattcaatg tttttatggt 480

gggcactgaa gcagttctta gagcataaca tggcagtttg ttctccgagg ac 532

<210> 9537
<211> 274
<212> DNA
<213> Rattus norvegicus

<400> 9537
gggtgtgtgc aaacctctgt cctgcggctg ggagatcaca gacagcctgt gtgtgggccc 60

tgtcttcacc ccagcaagca tcatgtgagt gggcctgctt tcccagagaa tcccagcggg 120

gccaaggaga tgcctccgga gaggtgggcg aggcagcgag ctggtaccct ctggccagga 180

ctctggtgct cgctctgccg ccccacgctc cacctgtagt gtttctgccc tgtaaatagg 240

accagtctta cactcgctgt agttcaagta tgca 274

<210> 9538
<211> 311
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (124)..(124)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<400> 9538
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atggaggagt ttgagatgac agagcagccg gagcggaaca caagcaaggg agatgacttg 120

ctgnccatga tggacaggtt ataaacaagc agatgggcac accctaggcc tccctcaaga 180

gactgactgc cttatgatca ctgggagaga caaatggcct gcaccttnta gtccattttc 240

taagtcagaa caaactgtga agatctctca gagagcatcc atttctgaag ccacacatgt 300

ttgtgtattt t 311

<210> 9539
<211> 329
<212> DNA
<213> Rattus norvegicus

<400> 9539
tcaataacat cctttggcac cttccgccct tggggaaaat ttgccctcaa cttctgtata 60

gaacttcagg ggagcagctt gcttacggtg ctggcaccca atggcttcta cctccgagct 120

gaccgaagtg gcacactatt ggcagacagt gaagaaatta ccaaagaatg tatctgggaa 180

ttttaggtca atggaacgtc gcctgccaaa ctgtaaatcc tccaggagca acttctgaac 240

tgaaccgagc aggagaccca gcgtcacaag aagaatatgt gctgtgcatt ttttttccta 300

ccgagtttag caaaacacct ctttcaagt 329

<210> 9540
<211> 384
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<400> 9540
tcaaggccgc aatcgcagag gagcagaggc gaagtgaaaa ggccatggag gaanccgtaa 60

agagaacaag ggatgagctg gtggagtacg tgagggagca gagaangctt gatcaagtca 120

cccgccagcg tagcctgtcc agtctggagc tgttcctctc ctgcgcccag aagcagctga 180

gtgcgttgat agctacggag cctgttgaca ttgaatagag acacagcnga tccgtcctgg 240

tcgttaagcc tgcccactct gaagctgttc gtctcctggg cccagaagca gctgagtgct 300

ctaatggcca tagatcctgg tggcattgaa taaagggcac gtgatgggct gccttgccct 360

gggccattgc gtcagtcact agac 384

<210> 9541
<211> 403
<212> DNA
<213> Rattus norvegicus

<400> 9541
actgcccact gtcggcttag aagaggagct gtacgattgc ctggactacc actatctgcg 60

tgacttcccg gcctccgggg ctggacacag caagggccgg acgcggcgcg aacagcagct 120

acgcaccaac tacacagtgc ccggcggcca cgagcgcaag gtggcacaga tactgctcaa 180

cgggcaacgc aagcggcgcc agcgccagat gcaaccgcgg ccacgcacac gcctcgcatg 240

aacgggaacc tgagacagga ggatcttgag ttggagccca gcctggacaa tattgaaacc 300

tggaagacct gctaaaagta ttttccaact ctaactgagg tcctccgtgt tggtcaactg 360

gacttttga cagtgtttta agtttactgc tctagtcttt ttt 403

<210> 9542
<211> 328
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<400> 9542
tatcacaggg ccaggtcgtg tgttggatca tgacactcca ctttcaccca agtcaagctg 60

tgaaatcaga acaaaaatat ttgatgtgtg ntctctccat aactatctgt gatgatccaa 120

attggtgaga catatgccca ggccctacca tgaaacacag tgttgtatta ctcttgccta 180

gtaagaaatg tgtgacatgt accttatgca cataaaagaa ccatcaacag tgcagagcat 240

ccaatactca gagtgagagc tctaagaaat tgtgaacctt aaggatgaga tgagtctatg 300

aaacacatac ctatgtagtc atctggaa 328

<210> 9543
<211> 544
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (401)..(401)
<223> n is a, c, g, or t

<400> 9543
gaagccttcc atgtctttaa ggtgtttgtg gccagccccc ataaaacgca gcctattgtg 60

gagatcctgt taaagaatca gcccaaactc attgagtttc tgagcagctt ccagaaagaa 120

aggacagatg atgagcagtt cgctgatgag aagaactacc tgattaaaca gattcgagac 180

ttgaagaaag cggccccatg aagacggtcc tgccctgaca gccatttgtc tccctggccc 240

ttgtgtacag tgttgtttca aagtctctgt tcttgggaag gctttgaaaa ccctgacctt 300

ctcaactgat tgttcaaggt cgatgaaata caaacatttg agtggaaaaa atcaatctag 360

aataatacat tcattttaat caagnctgtg attgcttatg naatcaacca ttatattaaa 420

tattggataa agacagtgta agttcagaac tggaccttag gtcacccagg acatcaaatc 480

agggacacat gtgtttttg aacagaccat ggggagggga cccatctggg tttttacaca 540

ctga 544

<210> 9544
<211> 307
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<400> 9544
acaggtgata gtgcgtgtct gcccactcag gccctgtgcg ctccgtgtta gtgtagcctc 60

cacgcattgg catgcagctc ttnactttaa tgctcaacgt attcccaaat gtgatgtttc 120

agagatgtat tcctcagtat ccatgtgact acctgtttaa aagttggttt gatgctttaa 180

cagcacttcc catgtcctgc tgccccttgt tctcagagac cctcctctcc cacccggtct 240

actgactcat tgccaccnta gattgtccac agggatcaga ggtacttttc ttgtaacctg 300

cagggag 307

<210> 9545
<211> 120
<212> DNA
<213> Rattus norvegicus

<400> 9545
cctggcttca ctgggatatc tcggggaggg ggcgcttggg gcccccaggt gtcttccaaa 60

atggctaaga acaaggactt gccagaaagt tcatctgcac ccatcagagt ttaataaatg 120

<210> 9546
<211> 311
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<400> 9546
gagcatggtc catcagaaaa ggcaataaat ggtccaacta gcgcttctgg cgatgaaatt 60

cctaagctac cgcgtactcc aggagaagaa aagactaaan ccttaaaaga agagagcact 120

caagaagcag cagtcctgaa tggtgtttca taactgaagg aagttcctag tttacagttn 180

ttttacatta cagttacaat agtgcttgta caagcttgcc aaanatagaa tanggatcgc 240

cagtnttaca tngcactttc agttcctcca tttggaattc agaaagggga gggatcctga 300

cgaaatcata t 311

<210> 9547
<211> 381
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<400> 9547
ggaaacgtca ccctaggagc attaaaactt ccttttggca aaacaacagt gatgcatttg 60

gtggccagag agaccctgcc agagcccaat tcacaaggtc agagaaaccg ggagaaaact 120

ggtgagagca actgctgtgt gatcctgtaa catcgtcgcc agcgcaggtg tggcagtctg 180

ttaccactgc ggggacagag gagactcggc agcttccgac acctgtggga cagtcgcccg 240

cacatncaga ctgaaccact catgagctct gtgatctctc ctcacaaagt aaaaagaacc 300

aagaacattt ncagnctggg cctttattcc tgnatctctt gnctgtgntg agcagnctga 360

aatgcacagt ggtctccagg g 381

<210> 9548
<211> 420
<212> DNA
<213> Rattus norvegicus

<400> 9548
gaaaaggcct ttgagcgggc ttccgacaag ctgtttctct tggaccagtg cgagaagtat 60

cggcgctgca ggcagtgcca gaggcgcacc tccaacacgg gcgagagcaa cgtgtggccc 120

ctgaataagt tcctgcaggg ctcacgactg ctcgtgtaga actcaaagtt tgaacctatg 180

tttcccgagg gacatttatt tggagttgtt gaatatttag ggtgtgtata tttgtacctc 240

agaggaaaaa aaaagattga gtactttcta acccttttctt gaattcacat tgactaatga 300

ttccctgtgt gtcccatgtt actctcaccc ctgtgttttt attcctcgaa cttcgctctg 360

acagcagtga aggtattgga ataattctta gcctagaccc cattgctata gcggttgtga 420

<210> 9549
<211> 206
<212> DNA
<213> Rattus norvegicus

<400> 9549
aaaactgctc tggtacaagc gcctcctgct ccagtaacag ttacagaaac cccggagcca 60

gcaatgccta gtggtgtata caggcctcct ggggcaaggc taaccacgac aaggaaaacg 120

ccacaaggac caccagaaat atacagtgac acacagttcc catccctgca gtccactgcc 180

aagcatgtag agagccggaa caggta 206

<210> 9550
<211> 261
<212> DNA
<213> Rattus norvegicus

<400> 9550
tgggctacat acagcgtgtg actatcttaa agacaaaaac aaagcaagcc agttgtagta 60

ccacaaagct atgatcctgg cacttggaag gaagatatga agctcaaggt catccccagc 120

tacacatgga gttaaaggtg actggcgggc actacgtatg gagttattaa aggccagcct 180

gtgctacatg agaccctgtc acggcatcag ctgcttcaca gaagagcctt tctcatgctc 240

agtgattacc acataggttc t 261

<210> 9551
<211> 443
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<400> 9551
gaagaagtgc tcagggccca ggcttatatc ttattctata cccagcgagt gactgagaac 60

ggacattcga gactcttgcc tcctgagctc ctgtccaaca gccagcagca ccccagtgaa 120

gaaacggaca cctcttntaa tgaagtcctc agctgatcca gaccgtgggc tctcgttatt 180

tgtatatata ctttttaaat gggctgacct acgatgctgg gcttcattgt ttttattctg 240

taattatgat cagtgcctgc tgtttacaca ttgtgtattt aactacaaag tttttctttt 300

tttacagaga caaactataa atatatgtat atcaactata ggccaactaa aacttttttc 360

aaatatttga gttttatact tttagtgttt acctcaatat tattacctct tatattttga 420

tgtcttaatt gcctcaaatc atg 443

<210> 9552
<211> 525
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature

<222> (220)..(220)
<223> n is a, c, g, or t

<400> 9552
ggagttcagc tctgagtcct cgagagggat gtggctccag ttggtgggac tctagtaagg 60

actttgagag cacattttgt gaaagtattt atctaaacaa aatacttacc cactaatgtc 120

cggatgacca tttgaggatg aagacatctt gataattagt aatttttcaa ttacctgtcc 180

gacaccatca tgtgttctta acatgataac ttaaaaaaan ttaacatcct tggtaatttc 240

ttgagtctcg agactaaaga aaacattgcc gtttacttat tttgtttaca ttttaaatgt 300

gccccttag caattggaag aaggtaaatt gttcttaact agaagaggtt tggaaacttt 360

atttcatttg ttctgtcccc ccatttccag tctcacggta ctctattgga aaaatgcagt 420

gccattttaa aactttgcta agattttcca gagacttctt ttaaagctcc ttttgcccat 480

aaacattttc gcaatacatt gctttaatgc ccacatttcc atatt 525

<210> 9553
<211> 502
<212> DNA
<213> Rattus norvegicus

<400> 9553
tagatgccca cgcttggacc aaatcacgca ggcccatcat ccggcccaac agtggctttt 60

gggagcagct catccattat gagttccagt tgtttggcaa gaatacgatg cagatggtta 120

actctcccat gggactgatc cccgacatct acgagaagga gacccgtatg atgattccac 180

tgtaagccag cccgccagct cctgaactgg ggtcggccgt acagctcttg tcattaacag 240

caccccgagg tctaaacctg aacattctac ttttgttgct acaggagtac accagatggt 300

gcttttcata agggcaagga aaaagcgttg ctatgacatt taccctcgta atccagccag 360

gtttggtggt acatgcctgt agcctcagat tgctgaagca ggaagatgac aaggtgagtt 420

tgaggccagc ctaggctata tatgagaccc cgtctcaaaa acaaaaaacc aacaaaagaa 480

aatccccaac aagtgctatc ct 502

<210> 9554
<211> 302
<212> DNA
<213> Rattus norvegicus

<400> 9554
gaaaaccact cagaattttc tctggtcctt aacagaaaag aatcaaagta ggaagcacag 60

tagctgccac atctgttcaa cctctgggcc tcccaagtac accagagaaa acagatcaat 120

gctgtttctg aatgattctg ctggttaaag tcatttatag aagattcacg atactgaaca 180

actatgggtt aagaacttac tgtgttttgt gaattgccca atggagagag tgtgttcaag 240

gatgactctt gatcagatta cacagtatgt gcatccagga ggccacatga aatcagcata 300

gt 302

<210> 9555
<211> 338
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<400> 9555
tgttgtctaa gactctgctg ctcatcctcg gtgtgctgtt gctgctgtcc ctagcccagg 60

gnaggggtcc agcgaaaacg gagatatgaa gtccaaagtc gctccgaggt caaggagtgc 120

gagaggaagc ccaaattgta tctgtgcaga cgccactgtg aatcggacca agattgtcaa 180

gccaataaca tttgctgctc caccacgtgc gggaacgttt gcgtgaacct gctggataat 240

agtgtgtggg agacgcctgt cacccctccc ccggacatcg tctacccgga gagcggctcc 300

cagcccagct ttgaaggaga tatggttctg cccacgtc 338

<210> 9556
<211> 464
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<400> 9556
ctctgccgga ccaaaaattt ctatctggag aacccctgag aacgaaccgg gtgcttccag 60

cgattccaag ccagagggga catgacccac cagctgaaga gagcgagtgg tcctccagtc 120

ccacccatga tgaaaactga ctgcaggttg ctctgtggaa atatagaaga ctttaatttt 180

tcaactttcc aagggtgaga ttactctagt ttatatgagc aaagtcttaa ttttagtaag 240

ctgcgttcta caagccactt acggtnttat aattcaaggt tcctcatttc aaataaatac 300

acttcctaaa tactcactta gaatctccag gtgtgcaaac atcanccagt ctatgagtnt 360

ctgtggaccc cngccntcaa nacactgtna ttcagaaacn aaatacacac ctgaaaggaa 420

ggtttaggta cgtttcattt atgtttgtgc catgtttgct gctt 464

<210> 9557
<211> 342
<212> DNA
<213> Rattus norvegicus

<400> 9557
gaagtgtact tggtgctctg ggtcattcgc aaacaactaa gagagctggc tcgcaggcaa 60

gagaggcgca gacggcgccg tatgcggtct catgcctccc atacttcccg tcactccgaa 120

tcagtgcagg gcctcaaaca tgatgcccga agtcccctct aggcagggga gccccagatc 180

ctttgaaagt ctccacctca ctcttacgga aggttgacag gaagggttca gtggccgtca 240

ggccagaact gctggtgagg agaccatggt gtcatatctc actggaaccc caagaccagg 300

cctggggttg aacacgctcc ccttctctgt gtttattcaa aa 342

<210> 9558
<211> 442
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<400> 9558
gctctgacac acagtcggat gatgtgccgg acatcacctc agatgagtgt ggctcacccc 60

gcccccacac tgcgggctgc ccctccaccc cccgagtcca cggtgcaccg agcccaagtg 120

cccacaagag cctcgctgct ccagccgagg gccagactgt cttgaagcca gaagagtatg 180

aagtggagtg aaggcccctg ctctgagaag cacacntgtt gtaactgcat cttttggaat 240

ctttttgggg ggagggtggg gatttatgta ttttgtttca aagattctct ggtcagggtt 300

cccccagggg agttctgaga aatttgcaat ttcttaccag ataaaaaatg aaatttgcct 360

ntagtatccc tcccccatcc tcttgttttt agttttaatt tattggctaa actgatgttg 420

gcaatctgtg aggtgtgtca aa 442

<210> 9559
<211> 418
<212> DNA
<213> Rattus norvegicus

<400> 9559
aagcagcgct gagtgtcttg agcctgttga aaaagctaca ggaagatctt ggaagaggga 60

tgctctggct ctgtgtgcag aaggatgact gccttgctcg agggaatccc ctgaagcctt 120

agctgccaaa agaatcattc tcagtggcca agattccgtc agcagaacca tttcctcaga 180

ccttttcctg atcgtgtcag tgggatactc aagccatgcg ctcacagcct tcattttata 240

acctttttgat attcatactt ggtgatcaaa actaaactcg aggtggttgt ggtttttat 300

agttttaaca atgtatcttt tgtatagatt ttttaaatct aggatggtaa attcgatgtg 360

atttttcctt tttttaaatc tgagattggt tgaatttgca tatcatgtac tatcctcc 418

<210> 9560
<211> 424
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<400> 9560
agtggcttca caagctgtac caggagaagg atgccctgca agagatgtac aagcagagcg 60

gcgttttccc cggggagcag atcaagcctg cgcggaggcc gtggactctc ctcaacttcc 120

tgtgctgggc cacattnctc ctctctcccc tcttcagctt cgtcctgggc gtctttgcca 180

gtggatcccc tctcctcatc ctgacgttct tggggtttgt gggagcagct tccttcggag 240

tccgaagact gataggagtg actgagatag agaaaggctc cagctacggc aaccaagagc 300

ttaagaaaaa ggaataatta acgctgtgat tgaacaccca tatcctgacg cggtatccaa 360

ttaactcaat taaaacagaa cacccaagag cgagggaaag agacacttag agactatttt 420

tctt 424

<210> 9561
<211> 98
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<400> 9561
gaaaaaagcc agtataggaa gccttgaaga gaaagctntg aagagtagag ccttaatgca 60

gagaggaaca cgtttaatgt tgaagctttt gcgaaacc 98

<210> 9562
<211> 129
<212> DNA
<213> Rattus norvegicus

<400> 9562
gaaccacttc agagtctacc atgacatcac tctgtacaaa gctaaactgt ggagcttggg 60

agaagacgat caccagaagt aatgttctct tggtggcatg gacctgcaca ctgagttccc 120

aatgcatgt 129

<210> 9563
<211> 162
<212> DNA
<213> Rattus norvegicus

<400> 9563
tccaccgcgg aatgatgagc gttttcgtct ggtactagtt catcaagggc gaagaaaaac 60

ctttgtttgc taagtgtctt cataacatgc atagccctcg aagtacggaa taagcagttt 120

cgctaacaag tacctattca caggacgtag atttcgtaac cc 162

<210> 9564
<211> 126
<212> DNA
<213> Rattus norvegicus

<400> 9564
ctcggaaccg tgtggcctac tttagcctgt attacaaatg agaagtaggc actgtcttca 60

tgtgttcttg accacagagt ctccagaatt gaggacatag ctgctcttgt atttctgtgt 120

tcctgg 126

<210> 9565
<211> 170
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<400> 9565
agcaagaaga gaagtgtcat cccacagatc atcatcaccc gggcctcaaa cgagacgctc 60

atcagntatg gcatccccga cagcgatgaa cagagaacca ttcgggagca tgcngactgg 120

ggcccatact accgacacag gagccccagc acaatagcag cctatgaggt 170

<210> 9566
<211> 226
<212> DNA

<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<400> 9566
ctgtcttgtg taccatctca gagttgatta ttgcaatcac agtgctccac tggttcatgt 60

catcgcgtaa aaataaagta ccctcaaacg aaattttntc agaaccacca ccttcaaaac 120

caccatctct actcgacttg gaaaatgtct ctgaagactc ctaaccaaag aaaatagaag 180

atgaaantga tgtgacttaa ctgaagagcc cttcagtcac atcctt 226

<210> 9567
<211> 203
<212> DNA
<213> Rattus norvegicus

<400> 9567
gaacacctgt tcatccgaga aacgtcagca tcactaccag tcccctgcag tccccagttc 60

atgagcagtt ccttcagcca aactttgatg acaaggaaga gaatctcgaa aacatagcac 120

cacctcaggg atcatttgca attctgagtc ctactaaatc ctcattctct gagattcctc 180

caggcactaa cacttgcagt cct 203

<210> 9568
<211> 258
<212> DNA
<213> Rattus norvegicus

<400> 9568
atgctgtccc aagagtcagg ctactcagca ctacggcatt ttgcacagtg cattttgcac 60

acccactggt gggcctggct tatgccctca gaacctggag tgcttgagtg tcccaggtca 120

aggcacccta gaaaagacac cccgagtttg cctggcctga tccccttctc tagggaagac 180

ctgtgacgtg agcccaaggg ctggtgtaca cttgtttact atgtaagcaa gagtagaatg 240

tctagttaca gtggagcc 258

<210> 9569
<211> 257

<212> DNA
<213> Rattus norvegicus

<400> 9569
gttctgcagt cggtgcttag gtatgagaag gagcgacagc tggatgaggc agtgggaaat 60

gtcacgcggc tgcagctgct ggactggctg atggcaaacc tgtgattggg gcccacccgg 120

tgttcctgca gtgggccgag tccctgccct ctcagcccct ccctgccgca cagagcccta 180

aagttccctc cataccaccc acactagaca cgccatctaa tgctactcac tggattttgc 240

agattttctt gtccatg 257

<210> 9570
<211> 294
<212> DNA
<213> Rattus norvegicus

<400> 9570
atgagagtcc gcagaaggct ttggattctg accccggtag cctcaagcag gctttggatg 60

atcagaacat tgtggagact gttctggact tggaggaaga ctacaacttg atgacctctt 120

tcaaatacca aatagagtga ggagagtcag cagccacagt ggttctcaca aggggttggc 180

agagcctgaa gccacccctg tcttaatttc tgctgaatcc cattttgagc tgagagccca 240

ggttttaata ttgttatttt gaaatgtttg gagtgttttg gacttgacat tttt 294

<210> 9571
<211> 243
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<400> 9571
gatccttcgg aaggaccaac agcgtnctag ctctcctgtg nttgggagcc ggaagtgggg 60

cagtgccttt ggtttggctc cttgtccaga gctgagcttt atcacagagg tcttccngct 120

taccatcaac attgaaactn acctcttcgc ttgggtgtat tctccctctt ttgtgcacag 180

tntggttccn ccgaactgct ctccctgtga aggcctgtgg aatgcaggga gcctggccaa 240

cca 243

<210> 9572
<211> 281
<212> DNA
<213> Rattus norvegicus

<400> 9572
gctggagctg ctcacaatca ctggggatgg ctttgactcc cagcgctata aattcctgaa 60

ggcgctgaaa gatgaaaaat tacaaggact gaagacgacc aggcaacctg gaaagtcggc 120

ctccttctcc tgaggagctg cccccgcccc ggagctgggc agccgcctcc ttaggtgtta 180

gtgcttagat aatgtgtcct agttgttgtc atttcaaaga tggttatttt ctgttctgta 240

tttactactg ttattgttgc tctcagcaca tgcttcacat a 281

<210> 9573
<211> 277
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<400> 9573
tgcagaaatc tggaaccctc gagagnccgt ttttaaggac gtcctgctgc agagacccaa 60

gtgcacccca gacatggctg ttgagctcaa catccctacg caggagctgt tccctttnta 120

gatagcagtg ntgcctcctc tcctccctcc tctnttccca gcaccagggg ttttggctat 180

tgacttacaa gatggcgtct ctattataaa tctgatccac agccctcctc tacccatctc 240

ccttgccgct tggactgagc aggaatcccc agtccag 277

<210> 9574
<211> 288
<212> DNA
<213> Rattus norvegicus

<400> 9574
aggcccaccg agatatctgt cccaactcag gcttcctccg acagctccag gttctggaca 60

ataggctgag gcgggaaaca gggagactct gaattaggga gcacttgaag ccctgactcc 120

tccatccagc gtggcctaac ctgacttacc tggccctggg aatggcagcc ttggctgttt 180

ccagagtccc tgagatggca ccagcaagtc agggctccgc tgaagcagag gcagggtggg 240

ctgggtggca gccctcaaca agtggagtcc cctgacacag cagagaaa 288

<210> 9575
<211> 302
<212> DNA
<213> Rattus norvegicus

<400> 9575
aacttcatta gtggcatatc cgtggttagc cctcagagag ttcagtgacg tactcttatg 60

ttcagaagta accaacaaga tgctcttttg tagggagtgt ttaaaaaaga agacgatgtg 120

gacatgcttg gtgaagagtt caggaaagca tatcagaaaa agagtgaagt ctgtgaagag 180

aaggggtctt catagcaaga ttgggcgaaa cctggagttt tcagatgctg ccactagatg 240

tcagcacaac tgctgtttcc agttggtgac agtaggccct ggtctactgt ctatttgcat 300

gt 302

<210> 9576
<211> 290
<212> DNA
<213> Rattus norvegicus

<400> 9576
aagttgagag actcactcca cttccagtac ctgaatctgt gtctcttcac acagaacttc 60

tacccagacc tctgaaggct gctggctccc cacaaccctg cagcatcctt gtggctgcac 120

aaatctggtt cctgctgtta tttatccccg aagctccaca gtgggcccca gggtgagcaa 180

ccaggccttt aggcgttttt cactcagggt ttactttcta gatacagccc ccactcctta 240

gtttaccatc tgcatctttt cctcagcata tctggccatt cattgttact 290

<210> 9577
<211> 305
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<400> 9577
tggcccaaca gaatcaccca ctgtggggca gatgcttcat aacaccagac agaagaactg 60

gtatgaacag aaatgctcct caaaggggta ttcaaaggag acactcattc aacctctcaa 120

acaactggat taagctatgc agcctcagga gaccctgaag gttctagagg cagcaggcca 180

tggtctctga gctgtgcagc tgctggaggg tctccatgag gatgaagaag gcagtggaca 240

ggagtcatna agactgattc agaaactcca ccgcaaggag ggaagaggtc tgagccatcc 300

ctgtg 305

<210> 9578
<211> 318
<212> DNA
<213> Rattus norvegicus

<400> 9578
gaacttttc taagactctg gatggaacca atccagaatt cttgcagcac cagtgtacca 60

cacagatggc agcaacctct tcccaactac acttgctgcc atgggtcctc taaagatcag 120

acctataggt aagccgggcc tggtgctggt gatggccaga ctgtgcctcc tgccagccag 180

ccacctattc agacctaaag cccttgctgt acctgctccc caggggtctc ttccacctga 240

gctttagcag ccaaccccca acttcattgt aaacccaaac atgatgaaaa attctagatt 300

ttatgtcttc ctttgatg 318

<210> 9579
<211> 321
<212> DNA
<213> Rattus norvegicus

<400> 9579
agccttctct cctgatgagc taaagctggc cagtgctggt tactctcgta tggtcaaagt 60

ctgggactgc ctcacaggga aatgccttga gaccctaaag ggcatgctgg atgtggccca 120

tgcctgcatt ttcactccaa atggcaaact cttagtgtca gggattgctg acgcgacaag 180

atgacaagtc tgctgaaagt caagaacttc atccatgtaa cttacccaca ggcctaaggt 240

aactaagcca ccagatctcc aaggcaggga ctaccctagc ctatcccgta aggtggttgt 300

cacctgctgt aggcaagcga t 321

<210> 9580
<211> 372
<212> DNA
<213> Rattus norvegicus

<400> 9580
aaataccatt ggtccttctg ctgtggcttc aacaggtagc ctggtaatca cctgtcctcc 60

taacctcagt gaccttaaag actccagcag caccaggaag gccagggtgc tgtacgatta 120

tgacgctgcc aacagtacgg agctgtcact cctggcagac gagtaataca caggttgacg 180

tgtaccgcct ccctgatgtg aagcatgcag tacttctgaa acagctcgct ggccagcagt 240

gcaccacttg agaatttata agaaatgcaa actctctgat ccctgctgaa taagaaactc 300

cagggtggag tacagcaacg tgtgttttaa caaaccctca gggaacatga tgcatgtaga 360

acctggtgaa cc 372

<210> 9581
<211> 348
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (28)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (190)..(190)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<400> 9581
atgggacgca ctgccctcag agaagagnnn nnngtcgtcg tcatacctga gtcagaagca 60

actgcctcac gtaatcaaca gcacacaaga cacctgttcg tccacagcca gcactgacaa 120

tcgagaatca gaacagacac catcatagcc tacccacaat gccccttcc ccgtttttcc 180

attctctccn tcctcccttt cccacagntc ttgctgtgtt acccaggctg gcctctgact 240

tcaggttcct aagtgctggg atgtcaggac tgcctaaccc tgcagatacc acaacccctt 300

ctgagatgag ctgagggaga tcagtactta gtaaattgca gggtccct 348

<210> 9582
<211> 319
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<400> 9582
ccggttttga cggtgctgca agcagttgcc ggaggcctct tatattatgc cttcccatac 60

attgtattgg tgacatcttt ggctaatctg gctgtatatc tggtttttgt caaaatagan 120

agctacagtg atctgatgaa aaaggacaga cttcttgtcc tcttcagcca ctggtttctt 180

cacgcctatg gcttaatcgc actctccaga gggcagcaac ttgaacaaga tctgctcctt 240

ttaactttgg tgcctttccc cactcttttt tacttttca ctaccaaatt taccaaaccg 300

tcacggataa tctctgaag 319

<210> 9583
<211> 401
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<400> 9583
aagttcgtca tctctatcga cactatcncc tttgatttca aggtactgtc ctacgcatca 60

tcagagattg cggaaaggcc cagtacgggg tgctatatct acggactgtt cctggaaggc 120

gctcgctggg acccgttcga tttccagctg gctgagtccc ggcccaaaga gctgtacaca 180

gagatggctg ttatctggct tttgccagta gctaaccgaa aggtccagaa ccaggacttc 240

tacctgtgcc ccatctacaa gactctgacc cgtgctggaa cattatcgac tacaggccac 300

tcaaccaact acgtcattgc tgtagagatc cccagcaacc agcctcagcg acactggata 360

aagcgtggtg tagctctcat ctgtgccctg gactactaga c 401

<210> 9584
<211> 369
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<400> 9584
gaacaggctc catccagcag tgtgtcagcc atgggtatgc cttttctcaa gaagaacatg 60

ggtgtgttac acaggaggaa gtagtccgtt gttatgacac caccaaagag aagtcaagga 120

agaagtaaga gtcagagttt cctgatggct ccaaggaaag agattcggtt tgttgcacgc 180

aatgttaacg gttttgtcag gaaagactgg cgccagcagc tggacaccag aaaacacatt 240

tctgtggcct tagccgacca gtttgttagc agctctctgt ccctgtgcgg tcccagggca 300

taggcgtcaa gggaanccat tctcccagct tgtntgcagc gcttggccca acatctgttt 360

accttgtta 369

<210> 9585
<211> 451
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature

<222> (164)..(164)
<223> n is a, c, g, or t

<400> 9585
tgttggatca gggagcgctg ctcatgggga aaacaaatct ggatgagttt gccatgggat 60

ctggaagcac agatggcgtg tttggaccag ttaaaaaccc ctggacgtat tcaaagcagt 120

acagagaaag aagccggcag gatgcacagg aggattcaca ctgnctgata actggaggaa 180

gctcgggcgg cagcgcagcg gctgtggctg cgttcacgtg ctttgcgtaa gatgctttgg 240

tctgtgcgtt aagccccgcc caggcagcgg tcacgtgctc tgcgtaggct gctttctgta 300

agccccgcct aggtacacat ggtcaaacta catgcaaaac ccagtgacac tggaattcag 360

accctggtcc ctgtatttct tttgggtgag ctgtttgtgt tcaaaggtat attgaaccgc 420

caagggtact caactttagc ctgccatgtg a 451

<210> 9586
<211> 465
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(188)
<223> n is a, c, g, or t

<400> 9586
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tctcagggaa ggtagtggta ggacatgcca ttcacaatga ctacaaagcc ntacagtact 120

ttcatcccaa gtccctcact cgagacactt cccaaatacc gctcctcaac cggaaggcng 180

ncnnnnnnga aaatgtcact ttgtcactga agcatctcac caagaagctg ctgagtcggg 240

acatccagac tggactaagt ggacattcct cggtggaaga tgcccaggcc acattggagc 300

tgtacaagtt ggttgaagtt gaatgggaac agcatctggc ccagaatcct ccagaaaatt 360

agcagtccca gggagacaca tgcagtaaac caacccacag ttctgccagc ttctcacctg 420

tagaagctgg aatcattggg gagaggagct tgaccagaga cttaa 465

<210> 9587
<211> 453
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<400> 9587
gaacaagcac ccgtttgccc tttatggctg gggagagaga cagatggaca tggggagcca 60

gaagacacac aatgtctgcg catcggcctc tgtgcatgag attcatgagt cagcacttcg 120

agccaagaat agaagacagg tggagaaaag gaagctggct gcccagaggc agcgggctca 180

ctcggtggat gtggaaaaga accagagggt aaagccgtcg tctgcggaga acccgtggct 240

gacagagtac atgcggtgct actcggcgag ggcgtagatc ctggggcatc ctctttcaag 300

tgttcgtgcc agcgaaggaa aacagaanct anctaatgac nccacntacg ggtgggagag 360

actgactggt cntgcaaggc ggctcccctt aggaaattcc aagagatggt tgtgctttcc 420

tgatggttgg tcacctgcct tagtggtagg aca 453

<210> 9588
<211> 549
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (510)..(510)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (522)..(522)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (524)..(524)
<223> n is a, c, g, or t

<400> 9588
tccttccggg ccatcagtga agagtaagga gagcccagag agggaagagc ctgtaagcag 60

ggctttggtt acagtccccc aacgaagcac tgcagctggc ctctctacag gccggcaagg 120

ccggcagcac tgttggaacc tccgccttgc agctctccag ttgtcttccc tccctgttcc 180

cagtggcaag agtacagcag ctgctaacac actgctccat tacttcagta aggatttcct 240

ttcgcgtctt atgtctgctt gactatatgc ttcttcctcc atctntaccc caggcagggc 300

ctccccctgg acggcntaga actcactgcg ggcagactgg cctcagantt gtaggatagt 360

ggatcatncc aggaaatttg gtaaggtgga gtggggtctg ttccccaggc atacacacct 420

gagatggtat gcagctctgc tccctgccaa atccctggcc tgccagactt cccacntaag 480

aaaacatgag gcctcaacag ttctccatgn taatgaggta cntngaggcc ctgcaaaagg 540

tgtctgatc 549

<210> 9589
<211> 240
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<400> 9589
gaacataagg tgtctggaac ctcagcatct ggttaacctg accttggaaa atgcctctga 60

gtgtctgacc cagcactgac agtggctgcc agccccagcc ttggcagggg ccagaactca 120

antgcgctgt ggcagcctat tcctctggag atnntagcag ntgcctgctt caggtcacct 180

ctcccactcc cgtggagccc aggctgggcc tgggcaggga gatggacttt gtgtaagata 240

<210> 9590
<211> 188
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<400> 9590
ggcagcagca tgacggatgg cactcctttg gtgaagatta agcagagctt anccaagctg 60

aagcaagaaa ctgttcagat ggacattaga atcggggttg tggagcacac gctgcttcag 120

tcaaagctca aggagaagtg taacatgacc agagacatgc atgcggctgt caccccagag 180

tcagcaat 188

<210> 9591
<211> 339
<212> DNA
<213> Rattus norvegicus

<400> 9591
atagtggaga cacctgcctt ggcctctgag cggcagagga cccaggagtc gcctaacatg 60

ccagtgcctc cactctccat gctgcgcatc aagtccgaga atggggaaca ggccttcctg 120

ttaatgatgc ggcctgagga caccattggt gacgtgcgaa acctcttagc acaggccagg 180

gacatggatt cagctgcctt tgaaatcttg agcaccttcc cacccacagt ctaccgggat 240

gacacagtga ctctgcaggc cgcaggcctg gttcccaatg caacactgct cttacggact 300

cgcagggttc tgccagcgaa ccccagcttt gggactgat 339

<210> 9592
<211> 302
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<400> 9592
gtaggcctgg tggtcatatc agctctgctc tggtgctggt gggctgagac atcgtcctaa 60

ccagaacatg tttgggatgt ggaagcctat ggtattcttg gctattgcag cagtagctct 120

gtatgtgtta cccaatatgc gaccgcagga accagaattc tacatgaatt gatggcagac 180

ctggaccagc ccagagggca gatccccaga ggctaccacc ctcacctttg ggcagngtac 240

actgtgccag aacccccccac cccatcagtg tttctccatc tcctttgcct cagtattcaa 300

ga 302

<210> 9593
<211> 396
<212> DNA
<213> Rattus norvegicus

<220>

<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<400> 9593
agtgggcctg tctgtggagc accacaccta ccgactgcag ggtctgcaag ccgtgttggc 60

caaagacggc catgagatca tcctgcagga gatagaagac tggaatctgg tggagctcgt 120

ggtgaacgag gagacagtct ttcaatgtga catccaagac ntggagtttg ggggtgatgg 180

ccaactagac ccgctgtgtg aagaggccag gatcgccgtg ctagacgcct tctgatncgg 240

gggagcggac ggaacgccag cgatgtcctc cagtctacag caccagcaaa agatgctcag 300

tgggcacgta gacgntgggc tctaccagtt agaacaaggc aaggccacct gtccagtagc 360

ctgtcgcgtt tgtgtttctt atctggctac ataggc 396

<210> 9594
<211> 371
<212> DNA
<213> Rattus norvegicus

<400> 9594
tttaagcctc tggtactatt agttaatctc tgccactaga gcaggatgga ggtaaaagcc 60

tccctgtcag cctcttaaaa gagaatcctg tcttttaaaa ggtaaccaaa acgtttgttg 120

acgtgattaa acttgctttt aacaaatgtt ctttaaaaaa ggaaatgaac tagacagagg 180

agaagtgcat gcacccttta agccctcttc ctgtcagcgg agcctgcagg cctgagttgt 240

ttcttgagcc ttgatacctt atgtaggatg agcaaaactg ctcttggtgt tgtcaagatg 300

caaagcagag agcaggagag actagagagt caaaaccaag agggaggcgt gcacacctgc 360

gtacaggaag t 371

<210> 9595
<211> 407
<212> DNA
<213> Rattus norvegicus

<400> 9595

gaatccatca gaaaggccat caaggagaag tctgccttcc tgaaggtggc gcagacccgg 60

ctggatgaga gaacgaggag gccgaacata gagctgtgca gagatatagc tcagctacgc 120

cttgttaacg aggtctacga ggtggacgaa accatccaga ctctgcagca gcgcctgagg 180

gattcggagg acaccctgca gtccttggcc cataccaaag ccaccctgga gcacgacttg 240

gctgtgaaag ccaacactct gtacatcgac caggaaaaat gcatgagcat gcgcaatagc 300

taccccagca ccctccggct ggtcggcttc tgttagggac cctgcgaaga gtagttttca 360

tattcctaaa aaaatggtag aagggaactg tatctcagca cctgaat 407

<210> 9596
<211> 445
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<400> 9596
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ggaccagatg aatatggagc acagngagct cctgaggcaa atagcgcaga ccgggagcca 120

ttccgactct gaggagctgg agcangagct ggagcactta gccaggaaga tggaaagcaa 180

agaagaccaa atctccaagc tccagaagca tcaggacagg gtccgtaaac tgcaggaaaa 240

agttgagaac tcaaggataa atgaatcctc aggtatccat ggcaacccta aaagatcaaa 300

gaacttgaaa actagcccca ggaaatgtct gagtgaaact agcgctttc agaaagacag 360

aagttttcaa ccggtgaagg ttcacagtct gcctccgagg ctgaggcggg acgacgtcaa 420

gtgggagcag tgaccctgca aactg 445

<210> 9597
<211> 388
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature

<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<400> 9597
gacacccctc attgtgacag acgtagaggc tttctggaag ccagagccct ggtntgtggt 60

agtgctgaca gcaactggtg cagttctcct cctggctnta ggttggctcc tcggcaggat 120

ccttcggagg ttggcccagt cactacaggc accgagcaaa ccagccagag ctcagttgtt 180

aaacagcatc cagggaagta gaggctccat tgagaggcaa atggaggcac caagcatgga 240

gatgtccaag caacattttg atggcagagc ccaagatgtc tgtacgggga gagattacct 300

gttcagcaca ctcacgggag cccggcgttg gctgtgaggc caagtagctg ctttactctg 360

tggggaattc ccttttctca tgatcata   388

<210> 9598
<211> 323
<212> DNA
<213> Rattus norvegicus

<400> 9598
aacatctacc ctgacggaag agtgtgcatc tccatcctgc atgccccagg ggacgacccc 60

atgggctatg agagcagtgc cgagcggtgg agcccagtgc agagtgtgga gaagatcctg 120

ctttcggtgg tgagcatgct ggcagagccc aatgatgaga gtggagcaaa cgtagacgct 180

tccaagatgt ggcgggacga ccgtgagcag ttctacaaga ttgccaagca gatcgtacag 240

aagtctctgg ggctctgagg ctacagccgt gtgcacactg agcagtccag tgctgtcctg 300

aagaccacgt ggcgacatgc tgc   323

<210> 9599
<211> 375
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<400> 9599
tttaggaagt tactattggc cgcataacta ggcttccgtc ttgtacagca atgggtggct 60

tcgtaatggc tctgttcaaa ctgagcacat tttgcccntt ttttcttcct tttcttgtgg 120

ggatgggata aatgggattt ttttttaaat cctgcacatg aaagtttatg aggtttacta 180

gcacgttctt tttaaaagaa catttgtttt tccagtgtga tttttaacac atatatttct 240

tctatattca gattggcatt catatatgta tccattctgt agaacacatc atgttaatat 300

agtatacatt tttaaaaata ctacttttta aatggtagtt ttaaaataac attgtcttcc 360

ttgttgccat tgaaa 375

<210> 9600
<211> 546
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<400> 9600
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tggctctgtg ttttgtgttc taggttggcc caccttgggg gagtggggac cctgagaggg 120

ggcaggcttc agtatttgag ttgttcacat actgcagtta tttttgataa caagtacttc 180

ctgagctttg ttttgttttc ttgcctgtac ngaggtaaag ttgcttcatt agttaattta 240

taaaaataca tgccattgca ctagctgtat gtgagggaac attcatgaaa ctatacatag 300

gttctgctgt tgtggtagac atcacaagtg gtcattaacg agagttacac tgtttagttt 360

tcttagcatc aagcaaaatg tttttgaaga cccttctagt gtgatgagat tgaaggactc 420

tgatcagcat atatgagttc atatttggac acatggcaat ctcaaattct ggggaaaaca 480

aacattgaca gcaaaagaga atttgcagct atagaatttg taaaagctcc ctttctgtga 540

agcatt 546

<210> 9601
<211> 473
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<400> 9601
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taattagcat ctcagaatgc atgggtaagg taaaatgcaa agtccaagtg gacagcaaga 120

atgaccacga ccttgctttc cttctttctc ccctccccac ttccctccct ttcctattct 180

ntagcctcct ntacacacca gcctccctcc ttgttaanca atatggagtc gaggccncct 240

taggactgtg tgtagancct cggcctaaag tgatagtagg gctgacaaat gaacttgaat 300

aggtacctgc ttctgtcagg tgaaatngag agatctcact tggaaccaag cccaggatgg 360

cnccatgggc gagcgatcca gcttctgggc cctcagtagg agtagatctg cctggaatcc 420

attgaatggg ggtgggagga tgacttccag ttcctgctcc agaaggactt cgt 473

<210> 9602
<211> 365
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (77)..(77)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<400> 9602
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gatctaaagt gaaagtntta caggcagaat tagccaaata tcagggtggc aggaagggga 120

aaaggaactg cganccggac cagtgtaggt gatcgtggcc atgggggcca gcacagaaag 180

ctttcacact tctgcagaaa tgtgtgtcta atgctgcaac tgcgaaactg cagcctttgt 240

tgaaggaact aaagcaccta gttcactcat agtctacaat tttatgttct tttggcttaa 300

agttaaaaga aaatatggaa taccagcaga acttgataat tgttttctgt ccaaacttct 360

tagga 365

<210> 9603
<211> 513
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (443)..(443)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (456)..(456)
<223> n is a, c, g, or t

<400> 9603
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ctcctgtcct ccagggtcgc atgtttaaca ggggatccaa acatacgagc aggtgactgc 120

tgtatgaagc gaaggggcag gantacaggt gcaaattcat atttactgct taactttctg 180

aagtgtgctg acttgatttt ttttttntg aatcatggag agctgtgtgg agggacctgc 240

tattattatg gtaaatgtct tttaatttct ccagattatc tagatagtgt tttattttgt 300

gtggcttcct atttagtacc atcacagact ctgagaaaaa aaaatattct acactctggc 360

tctcacatag atgagaaaga antttagtga agtgggcaaa agcagttgtg aagagaatga 420

cttaattggt tttcttggtg ttnccatggg acaggntgac agtttagagc attttagttg 480

atagataagg aacttgcgtt ttaacagtgg ctc 513

<210> 9604
<211> 313
<212> DNA
<213> Rattus norvegicus

<400> 9604
accagtgctc tggacttttt aaagcatcac ttaggagctg ccaccccgga gaacccagaa 60

atagagctgc ttcgcctaga attggcagaa atgaaagaga aatatgaagc tactgtagaa 120

gaaaataaaa aactgaaagc aaagcttgtt cagtatgaac cacctcagga ggagaagcgt 180

gctgaatagg attcttctca gttgaaaaga cactgaaaac tggttttgta tcacttgaat 240

agcttgtata gtatatgatc tttcctgaaa agatgctata aacttttaat atgttaaatt 300

cactcatcac act 313

<210> 9605
<211> 525
<212> DNA
<213> Rattus norvegicus

<400> 9605
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ggaccatgtg aaacagctaa tgttaggacg ggtaagggat ttcataatgc tgacttcact 120

actgatagtt gaggcatact tatttgcatt cctcacaagt tttataccca cacatgtcag 180

tgtgggtaca tggtagtcca gtttcaccac tgaagtgctt cctttacaca ggtttgtcat 240

cctgtctgct gacgtctttt agttaagacg tgttttatat ccttccaagt tcatctgctt 300

acacatatgt ctttgagagg ctgtccaagc caggatgaaa tggccttagt caaacatata 360

tactgggtac tataaactca ccacgtatgc atttgtggtc tttgtttaac ttcctgaaat 420

tgttcctgct ttgtgttgct tgcctttaaa agacactgag aaaatacagt gctgccatgg 480

tattgaccag cagccctctc atatttgtct cttgcatctt ctttc 525

<210> 9606
<211> 291
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<400> 9606
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gtaattctaa agttggtttc cagtgtctaa cgtttanccg tttgtatggg tttgctgtca 120

gttgacctta gtgttaaggt tccagnttat cntgnactgt gttttatgta tttagtgcca 180

tctgtcttca agccatgtac tactttgata cataggagtt tgaagtatct ttgatgtgat 240

gtctgtgtcg atacattgct gtgactagaa ctctcactgg gagctgtggt a 291

<210> 9607
<211> 409
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<400> 9607
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agaatttttg acttagcgaa gaaataaacc tagactccca gcctgttctt gcccttacct 120

tanaacctca gatgtggact tggacttggt gtcaaatcgc catcccatct gcttgaagac 180

catcagtagg acccaccctc agccttgggc cacacccagt cagggctcat caggcttagc 240

aggaaaactg aggccctgag aaggatgtgg agccagggag gggggaaaga ggcgagactc 300

tgtccagggg aaggacagga gggacagtcc atctgtccat ctgctgggcg gagcaggagg 360

aaggtcttta atgaaacatn tcagagaaca gggtgggtct gcataacca 409

<210> 9608
<211> 414
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<400> 9608
ggttatttct gaccgacaaa caccaaaaaa agatgaaagt cttgtgtcca gagcaatgga 60

gtacatgttc ggttggtagt gcagtgagag ctggactgag cattagcaga ggactgccag 120

tttccttggg ttagttgtat aaccatgtaa ccatgctggc agggttgggt agctatctca 180

gatacatctt tacagtcctt tgtttaagga gacagctcat ttgtaacttg cactttaaaa 240

gatggccntg atacacctga agagaagcng tccagatggc actctgtgct ctgtgataca 300

gtgcatgctt agtgccgtgt cctcggcgtc tactgcagta attaaatgat tgagcttgaa 360

gtgagtctca ttggctttca tgggaagatg gatgaattcc acagagcaac agct 414

<210> 9609
<211> 469
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<400> 9609
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gcaccactta cctctgtcca gatccgcttc attcagaaca tgatacaaga aaccctggat 120

gacttcaggg aagcttgcca tagggacatt gtgaatctgc aagtggaaat gattaaacag 180

tttcatatgc aactgaatga aatgcactct ttgctggaaa gatactcagt gaatgaaggc 240

ttagtggctg agatcgaaag gctgcgagaa gaaaacaaaa ggctgcgggc ccatttctga 300

agcctctgga caccttgatt tgttatgagt taggtttctg gcaactgaaa tacacagaac 360

cagtattgtt cgcatggcct tgaaaacgga ttctgcagtg cgcactattc catctctgtc 420

agacatatta tatttttata ttaaaactgc acggaatacc atcttccta 469

<210> 9610
<211> 268
<212> DNA
<213> Rattus norvegicus

<400> 9610
gaatcttctt ttactcctga cgtagaagaa ggtctgcctg ctactcaggg tgctgaggat 60

atttttcatg cttccgcacg agctgaacca ataaaccaca gcttgatcct tctcagggag 120

agtggatatc ttcgggcaac agagatacca cgcatacctt ttttgctctt catatggctt 180

atatcctcac tcttatccat cataacatgg atgaaaatcc aaattcaaca agcatggcat 240

gaagaaaatg gccaaggagc tcccacta 268

<210> 9611
<211> 452
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<400> 9611
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tggagcagct ntgggggctc ggaaggagat tgctgctgaa ctgggagagc agaaccagga 120

gttgattcaa gatccttttg gccaccacgt ggctcgaaat gtggccctga ctaccttctt 180

gaagcggcga caggcttggg aacagcagca aaattctgtg gccaagcgga ggcgggcgtt 240

gaactctata cttggagact gaggcctcga aactgggaat aggtgttgat ggggagggtg 300

aacggacatg cttatcattc ctggtttaaa tgggagccaa atgtcttaca caaaactgta 360

aacccactac cattccagag ggtaaagcaa gaatatccag aattcaaggc cagccttgga 420

ctgtggcagc cagatcctgt taatccctgt gt 452

<210> 9612
<211> 507
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<400> 9612
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acattaatgg aacccctcag tggtatccag tgaccagtgg agcagacacc cgccccagct 120

gaaaccaatg gcaggttgcg tcccaaatgc caaagccatt caacctagga cacattacga 180

gtttntaaga acatgaccct cctgcccccc cccccaacct ccgagagagg atgagaacca 240

gaggcagaat gtagtttgag ggtagataat agggtaagtg atggatgacc attttgtctt 300

ttgtgtgtgt tggtagagta gaagacacaa actgcaaggt ggtatgtctg gtgggaaggg 360

ctgtggtggc actcaggaca gacttggtgg ctcatgcacc aagacccaag gctatgggca 420

cctagcacca cagctgggag gttgtggcat ctgaccacct tgcgcataag tcgtcaccgc 480

tgagagctgc tggagtggac cttgtca 507

<210> 9613
<211> 312
<212> DNA
<213> Rattus norvegicus

<400> 9613
aacttttgga gagatgggca tctgcttcag tatttcttgg tctttttcat gataccccat 60

gtgaagagga tgttttccta gcatacaaag gacaacctgc caggctactg ttggccagaa 120

cactgtgccc tcctcccaca ttctgttgag gcaccagtat cccgtctcca ggaaacctgc 180

ttgcagcaca ctttttgaca tctgtcccgg gcccagaggc tgagctctag catggcttac 240

atgtgtgaga gaagggtgac aaacattccc cctggtgaac accccacatc acgactcctc 300

cttagggtgg ag 312

<210> 9614
<211> 394
<212> DNA
<213> Rattus norvegicus

<400> 9614
aagagtttgt atcttcgtgc tcgatgcccg tctctccact gggattgata gctaccaggt 60

ttctagaaga ggaggagctg aggtctcacc acattctaga gcgcctggac gcccacattg 120

aagaactgaa aagagagagt gagaagacgg tgaggcagtt cacagccctc gtgtagtgct 180

gagcagccac acacagaaga ctggttctaa agatctaaga gcaatggctg caagagcagc 240

actgaggaat ctgcagatcg ggcacttagg tattttcact ggctcatttg aaggactgct 300

tccagtagta acctgtgaga ataaactacc ttgcagactt tctcacatga atatttatta 360

ccacagagca ataccttttc ttcctgactt acat 394

<210> 9615
<211> 309
<212> DNA
<213> Rattus norvegicus

<400> 9615
atggcttcaa cattccacaa gtgacaccct gcccagaagt aggagagtac ttgaagatgt 60

ctctggagga cctgcactct ttggactcca gaaggattca aggctgtgcg cgcagacttc 120

tttgcgatgc atacatgtgc atgtaccaga gtccaaccat gagcttgtac aaataaccat 180

gccaagaccg agcagactcc agtgctgtgg cttcctcagc tggccattct gtctggcgcc 240

cattgccggc aatgggtgtc tcttgggatg aggcccttca gcaaaggact cctgtgtttc 300

cgaacaaat 309

<210> 9616
<211> 280
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<400> 9616
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gtgggagggc tcgtcgttgg acgaggtnaa ggccaccact ggctgttcgt ttaaggtgtg 120

ccccaacctc aagcccatgc agcagattaa atctgatgct tgagnagctc tccagggacg 180

atttgcgagt tagtgacaac tggacatcct cagcagcacc tgaccactgt gacacactgg 240

ctcctcactc tggcntcctg ctgctagatg gtatctatca 280

<210> 9617
<211> 332
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<400> 9617
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tctggatcag accacagact gaagtgggaa cccaccccag gtccaccatg cagaaaanag 120

gcggaggatg ctggagacag cagggtctcc acctaaccag agntccccac atgccagtcc 180

tgcttgccag cttccgntag ggatcttccg cctccacctg cctgggctgc aattccaagt 240

agatcaccat gccacctggg atcagcaagg gcttctaggg atntgaacta tggtcctgga 300

gcttncaatg tctatcacag ccaagcttac ct 332

<210> 9618
<211> 341
<212> DNA
<213> Rattus norvegicus

<400> 9618
ggttcatagc cgtgtgtccc ttgctgcctt gaagaaagct gtgtctatca cagggtacaa 60

tatggcccaa aacacctggc gcttcaagcg tgtgctccag aatctagtca agaaaggcat 120

gctcaagcag gtgaccggca agggtgcctc gggctccttc cgcctgggca agaagcaggc 180

cttcaagtcc aagtgcaagg ccaagagacg ccagcggagg cagaagcctg ggcagcgccg 240

gactggatca cgccgatcac tactaggctc caaaaagagc aataaccggc ttttcaaagg 300

agttcgtagg gtggctaaag gccgccgcca ttaatacggc a 341

<210> 9619
<211> 308
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<400> 9619
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ggctcctnta gcctgcaggg acagtaaagg aggccaaaga tgctgacntc aagaactcat 120

aataccccag tggggaccac cgcattcata gccctgttac aagaagtggg agatgttcct 180

ttttgtccca gactggaaat ccnttacatc ccgaggctca ggttctgtgg tggtcatctc 240

tgtgtggctt gttctgtggg cctacctaaa gtcctaagca cagctctcaa gcagatccga 300

ggcgacta 308

<210> 9620
<211> 407
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<400> 9620
agcatccgtg accaacatac agtttcctga cgtttccttg cagcacgtga accccataga 60

aagttcaggg attgcactga gtgaaagcat tgctcagatt ccntcacagc cgaccatctc 120

accaccacct aagcctacca tgaccagagt tgtttcttcg acacatctgg taaaccatcc 180

atctagacct tcaggaaata cagcaacaaa catacccaat cctatactag gagtctagaa 240

gacattctca cctnataaga aaggaacaag aaacccaaca gaagggaagg aaccagatag 300

acgagtccag cttagacact actcagacag cagcttctct gttggcctct caggaaacac 360

ctgggaacag ataagcccgg tatccctgtt tttcctagag atcctat 407

<210> 9621
<211> 396
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<400> 9621
ccgcggctct gcagtatatt ttcaaactgc tggacatcga gaacaagggg tacctgaatn 60

tcttttccct taattatttc tttagggcca tacaagaact aatgaaaatc catggacagg 120

atcctgtttc atttcaagat gtcaaggatg aaatctttga catggtcaaa cctaaggatc 180

ctttgaaaat ctcacttcag gatttaatca atagtaatca aggagacaca gtcactacca 240

ttctaattga tctcaatggc ttctggacct atgaaaacag agaagccctt gttgcaaatg 300

acaacgagaa ctctgcagat cttgatgata cctgatctct gcaagaatag acttccttca 360

tgaggatgcc tgaatgctgc atgcaaaacc ctggaa 396

<210> 9622
<211> 376
<212> DNA
<213> Rattus norvegicus

<400> 9622
ataagcatga ctagccccga agggtttctt tcctgtctaa ggaatggttt gggattaaaa 60

tggaattact tctgacttta atcatgtatg ctaaggcccc atttcctgtg taacaggcag 120

caagaggggc aagtgctcaa ctccaaatgt gaggaagctg ggtgcaggca ctgggctggg 180

cacagacgca ggggcttcta aggtgaaagg gcgatgcaga cacctaagag ttgtttccga 240

agcaaacgga taggatatgc ctttgccact tttacattct cttttgtagt acgctgtcct 300

aataccaaag acttcgaaag tgcagtgtgc acagtaaaag tcactgtgcc agagagccat 360

gctgccactg acaagt 376

<210> 9623
<211> 332
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<400> 9623
cactgaacac cattcatgtg ctgaattagt agcaaatatc tgctgttttg atcacacagc 60

ttactgctgc tgttttgtct tcttgagaca ggccttgagc atgtagccnt tcttaaaagt 120

ctcttttaat gatnaccgta ctgttccaac cattnggcac attagagggc catcaacccc 180

tctaaaccca atcattagac tccttttttaa tgtttaccta cccatgtcat ccagtctcat 240

gacttcataa acatncccac atgattgcca gaccttgctt ctctccagct gtaaccttgt 300

atagccagat gcctacttaa aacctattgg ga 332

<210> 9624
<211> 399
<212> DNA
<213> Rattus norvegicus

<400> 9624
gcaactgtgt tggtcagact tccgtgactg taacagggat tctgagaaaa aaacgatgtg 60

gttaaaaaca gaaagatgga ccccctgctg ctcctgtgga agagaagcct gtctgagtat 120

caatcgggca gagaacacca ggattcataa ggaaactaca ttcatggccg ccaagggcac 180

agcccatggt ccagttagat ggggtacaaa gttaacacag ctaaaccggt taatctatcg 240

tggcctcggg gtggtataat ttaagggagg ttcttagtca ggaggcatgg aataacctgg 300

cctgaccagg caggaaacag tatcactgaa aggacttcct aagttttcct gacttcacaa 360

tcatcttcaa aacaaagaac tttaacactg cccaggaga 399

<210> 9625
<211> 417
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<400> 9625
agaaggcagc cttcgcggca gaaatggcag ccaccatcga gaggactacg gggccggtgg 60

gggcaccgga gctgctgcct ntggaccagc tgagcctgat gaagcccaag gacgtggaca 120

tcctggatga tgatatggtc cagcagttag gcgtcatgga cgaggctgag gtggtaggca 180

cggatcttct cttggacaac caagattcag ttttgcttca gggtgataca gaactctaaa 240

ccccccgttc atcacctaga gacacagaag ccacggcctc cacctccgtt tgtctgcaga 300

acctggactt cctgctcctt tggaaaccct tttaaactac ctgtttaaaa agtggtcctt 360

ttcttcaggt taagggaggg gaaaatccag ttctttctct tttaccttct tttgcat 417

<210> 9626
<211> 517
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<400> 9626
gaaccatgtg cgactgttaa gcttaagtta ccagcagaag ccaggtttca taatcataat 60

gcaaatacat tntgtatgtc tagcaaagca ttgtgcttca tgtggatatt aattaccaaa 120

tgaggaaatg aaggctttaa agtgcattag tgcgcgaata acaacntaaa aaaggcatgt 180

tttgtgctct tgtcacaaaa cactgctgga cacacatacc tgtgtattta gatagaaatt 240

tggcttaatt tataatctta tgatactaac actgttctat ggcattctta aggaagattg 300

aggcttaggg ataagtggtt agtgacattt tattgaaacc actaagggat ggaacgtggc 360

agattactca gtgtatgatc tctttgtaac atttctcttc ataactgagc ttacacttca 420

tttcttcata tgcagtgtgg atacaaagct tgatgcagcc cattggtaac catggatact 480

tagacacttg agaagagtgt ggctgtgttt gcacaac 517

<210> 9627
<211> 381
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<400> 9627
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cgtgcttccc agccacggtg gcgcctatgc tacgtggggc aggcgacggc gtggacaggc 120

gcgaaggtgc gcgcgcgaga gagatgaaaa ggatcctggt gctgctgctg cagctggacg 180

cgaggcngca ggaggagggg cgtcgagtgg caggcaggcc ggggggcggg gccaaggccc 240

agcagtactg gcagccgctg tatgcgcacn tgctgaccca acgcgaggcc tgcggcgaag 300

gcgacccccg cgaggagcag ccgcgcaagc ggcgccgctg tcntcgccng cggccctgag 360

tgtctggcac gacccctaac g 381

<210> 9628
<211> 389
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<400> 9628
tcctgccttt ccaagctatt ctaatccnct ggcttagact caccgggagg agtgtgtgcc 60

tgtctgactt tgttcttcgc catggcttct cacaagacct tcagaatcaa gcgcttcctg 120

gctaagaaac aaaagcaaaa tcgnccgatt ccacaatgga ttcagatgaa aaccggcaat 180

aaaatcatgt acaactccaa gcggagacac tggagacgaa ccaaattggg tctataagga 240

accacacacc acatgtactt actaagctgt ctgagggtta tcattaacat actgtaccag 300

gatcacagca ttaccattgt ctggacagct gagtatgttc attaggaatg ttttctttct 360

ttctgtgctc ttgtgggttc attcagtag 389

<210> 9629
<211> 138
<212> DNA
<213> Rattus norvegicus

<400> 9629
gaaataattg ctaataaggc ctctgtagcc atggctactt ctgacgtgaa accaaaatca 60

ataagtcgtg ccaagaaatg gtcagaggag atagaaaatc tgtacagatt tcagcaagca 120

ggctaccggg atgaaatc 138

<210> 9630
<211> 512
<212> DNA
<213> Rattus norvegicus

<400> 9630
gcagacattt ttgagggatc ccattaaagc agatgcagag aacagaaaag ctgcagggta 60

cagttctctg gaactagtgg gtcacttgca aggaatgcct tttgttgtgg acctgccttt 120

ctggaaatta cccagagagc cagggaaagg gttcagtcag cccctggagc cgccttccat 180

cccctcccaa ctcagcatca agcaggcttt gtacgggaag ttttccaaac tgcagctgag 240

tcccagcagc tttaattact cctccagctc ggccgccttt cccagaggcc tcgctggtgg 300

tgtggtgcag ctgagccaca aagccagctt tggtacaggc cacactgcat cactgtccct 360

acagatgttc actgacagca gtgcagtaga aagcatctct ctccagtgtg catgcagcct 420

gaaagccatg atcatgtgcc aaggctgcgg agcgttctgc cacgacgact gcattggacc 480

ttcaaagctc tgtgtattgt gccttgtggt ga 512

<210> 9631
<211> 95
<212> DNA
<213> Rattus norvegicus

<400> 9631
ggcaaaacgg tgaatgaact ccagaattta tcaagtgctg aggttgttgt cccccgtgac 60

cagacacctg atgagaatga tcaagtcgtt gtcaa 95

<210> 9632
<211> 397
<212> DNA
<213> Rattus norvegicus

<400> 9632
ttggtgacct gatccaggag accctggaag ccttcgagcg ctatggaggg gaggacgcct 60

tcatcaacat caaatacatg gtgcccacct atgagtcgtg cttgctgaac tgaccaggca 120

actgcaagag ggagcctccc tcggtatcac aaccatctgt ccccaatgcc ctagcatctc 180

attatttgtg atttctacag ctctctttct acagctgcaa acatagtagt ttctgggcca 240

aaagactgtt agccccattg agagcaaggc tttccaatac ataaatagtg cctgtttctt 300

agattacaat agtgtactgt gcttattttt ttttccatga agagaattgc ttctttatcc 360

agctcagatg gaggcaggag tccgagttaa accttca 397

<210> 9633
<211> 275
<212> DNA
<213> Rattus norvegicus

<400> 9633
ttaatggctt ccaagtggca cccagcccag cagaatggct acaagtgtgc agcctgttgc 60

cgcatgtacc ccactctgca ctctctcaag agccacatca agggggttt caaggagggt 120

ttcagctgca aagtgtacta ccgcaagctc aaaaccctct ggggcaagga gcaaaaggcc 180

cggacaggag ataggatctc cttgggcagc tgccaggcct tcaagtagtc ttgctgacat 240

ctcaggtaaa tagggatgaa gcctatttat gcctc 275

<210> 9634
<211> 276
<212> DNA
<213> Rattus norvegicus

<400> 9634
tctccctacc gaaggccagg tatgggtgga cccaggcgcc ggtgtcccaa gatgttcaag 60

tgtagccgca ggacataccg gcagaaaccc cgaggcccaa ctgccactga tccgtcttct 120

gtggccacaa acatcagtga cacggacact accaccagtg tgtggatcct ctcacctcaa 180

gttctcagac acctctgtca acctaggggc tttctgatcc tctagaaaca cccagaagct 240

tggcctgcac ttgacctgct gctccagagg gctgtt 276

<210> 9635
<211> 566
<212> DNA
<213> Rattus norvegicus

<400> 9635
cgctgccgtg cactgggtta aaaacgacaa cgaacaccaa ccatgaaaga tccaagtcgc 60

agcagtacta gcccaagcat catcaatgac gatgtgatta ttaacggtca ttctcatgaa 120

gaggataatc catttgcaga gtacatgtgg atggaaaatg aagaggaatt caacagacaa 180

atagaagagg agttgtggga agaagaattt attgaacgct gtttccaaga aatgctggaa 240

gaggaagaag aacatgaatg gtttattcca gcccgagatc tcccacaaac tatggaccaa 300

atccaagacc agtttaatga ccttgttatc agtgatggct cttctctgga agatcttgtg 360

gtgaagagca atctgaatcc caatgcaaag gagtttgttc ctggggtgaa gtactgacat 420

gtctgagcag ccggccgctt tgggtggatg tagcacagtt tccacactgg gaaggcagtg 480

ttagaagact ccattgtaaa agctctctct cgtcactgtg ttacacttac gcattgccaa 540

agtttttgtt agtcttgcat gcttaa 566

<210> 9636
<211> 363
<212> DNA

<213> Rattus norvegicus

<400> 9636
gctctcttac caaaacctac tttaggcagc gagtccttgc tagtcctgca gtcctatggc 60

cgacagccca cttggtgcta ttcaaagtac atagaagcct tggaacaaga gcgaattctt 120

ctgaaaattc aagaagaagt ggaaagaaag atgttcacag gtacatcgtc tttcacaaac 180

ttgcttaagc cttccacggg ctccgctctg tctctgaaga agaatgtgtc tcctcacagc 240

atccagagat agcagcattc ctgtccaggc tcacatcctc cagcttcaag taccaggatt 300

tctttaggct aattgttaac taacttgaga agctgaatgc ccacggtgtg gatagtccga 360

ttt 363

<210> 9637
<211> 329
<212> DNA
<213> Rattus norvegicus

<400> 9637
attgaatccc acattataaa gcaggaagac atacttaatg gcaaagagaa tgagattaaa 60

gagttgcagc aagttatcag ccagcagaga cagagtttca ggtgaggggc tgggccaggc 120

tgggggttgt tgatggaagt ggggagcctg acttgtggcc cctacccagg gctgtccagc 180

ctaccaccag ctggctccgt tgcaggaatc acatgtctga cttccggatc cagaagcagc 240

aggagaccta catggcccag gtgctggacc agaagcataa gaaaacctca ggaacacgtc 300

gggcccgtag ccgtcagtgt tccagggag 329

<210> 9638
<211> 411
<212> DNA
<213> Rattus norvegicus

<400> 9638
gctgatttca gctgggaact tcacataagt gagttgaaat ttcaactgaa atccaatgtc 60

ataccaattg gatacatcaa gaaggggatc ttttatcacc gagcactgct tttcaaggca 120

ctggctgata aaatcggggt tggctgcagc ctggtgcgtg gtgagtacag ccgagggtgg 180

aacgaggtga agctggtgaa cgaggctcgg aagggcatta tcgggaacct tcccccacca 240

gacgagtaca tcgtggacct catgttccac ccggggaccc tgctgaagct acgcagcaaa 300

gaggccgacc tctaccgctt tctgtagtcg tcagaggaac acaaaagcac ccaaaccaga 360

gattgtcctc ctgtgttctt taaggggggct ttagccgttt agataacttc a 411

<210> 9639
<211> 564
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<400> 9639
gagaatggaa tagctccctt cattaaagga ccaagatctg cggcaagttt ctcccttgca 60

gaggtaacca gcatacatgt aagtaggcag agtcttcagc ttagccatcn atatatcctt 120

tgacagtatg cctctagagt ccagcaagat ggttaggcag gtaaaggtac ctgcagacaa 180

cctgaatttg atcccttgaa tccacataca tactgtggta catgtacaca cacacagtgt 240

aaaattcttt tttcaataaa tggttctgag gacagcttcc tctagccagg taggaaatgt 300

ttatcttggg acccagaaga ctgggtccat aaagcccagt gatagtgtgt gaaacaaaat 360

atttccagat gaagcttcaa ggcccaagaa aagttacctg aagtcctggg caatagcaag 420

atgcaaagcc tggaattgat caatgactgc ttatagctgg tgatattgtt acttgcttgg 480

gtttgtgaca ccaagagccc ctttgtcaaa atgagttcca agttctcttc ccttttggtg 540

atggtttctt cattgctgtg acaa 564

<210> 9640
<211> 520
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<400> 9640
ttcctcctca ggatggtgtt gctgacatgg tgacagcaga tgattcaggt gtcctgtgtg 60

tctgnaggtc aggacctnag ttcaccttac tgaccngaat agcaggattc ggggtcccgt 120

gcccctctgt gcagctgtgg caggggatcg tagcagcagg ctatggaaat ggacaagtgc 180

gtctgtatga cgctggcaca ggagccctcc acatccagat cagtgcccac gcccggacca 240

tctctgccct ggacctagct ccagaggtgg gcaagctgct gtctgcagct gaggatacct 300

ttgtacacat ctggaagctg aacagaaacc cagagagtgg ctccattgag gtggaacact 360

gccatggcga atgcatttct gacacgcagg tgtgcggtgc tcggttctgt gacccagggg 420

gcagctcctt tgctgtgaca ggctatgacc ttgctgagat cctgagattt ggcagtgtct 480

gagagtggag cagcggtccc ttctcccttg atatttataa 520

<210> 9641
<211> 547
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<400> 9641
atgagcacga ctgcgagccg ttgaaccctg agcgtgaggc ccgcaacaat atgttgctag 60

aactcgcgag aagagtgcgc ggggcttgga gttgggcccc tggcagcaga tcactcttta 120

ataggatgga ctttgaggac ctgggantgg tagattggga acaccacctt cccccaccag 180

ctgccaaggc tgtggtggag agcctcccca gaacagtcat ccgtagctcc aaggctgagc 240

tcaagtgtcc cgtgtgtctt ttggaatttg aggaggagga gactgtcatt gagatgccct 300

gccatcatct cttccattcc aactgcattc tgccctggtt aagtaagaca aattcctgcc 360

ctctgtgccg ccatgagctg cccaccgatg acgacagtta tgaagagcac aagaaagaca 420

aggctcggag gcagcagcag cagcaccgcc tggagaacct ccatggagcc atgtacacgt 480

gaggcagcag ctagggctga gagctcagcc tctgtgatat cttccctttg cactttgaat 540

cttcatt 547

<210> 9642
<211> 152
<212> DNA
<213> Rattus norvegicus

<400> 9642

gaaaatccaa agtgtacctg gtgaatttct ctacctcctc caacccagaa ttcaactgag 60

tttggaatat tctagattct actaatgaag gaagaaaaag acggttccaa gactgcgcgt 120

tgctcaagga cactaggaaa ccattcaaag ta 152

<210> 9643
<211> 141
<212> DNA
<213> Rattus norvegicus

<400> 9643
gatgcacaga tagcaagtcc accaaaactc ctgcctgaga attttaccag acttcaagag 60

catctcgcca catcttgaaa aatgccaccg tccgatggaa aacaggagcc tgttaaggaa 120

caatgccacc tgtcaataaa t 141

<210> 9644
<211> 223
<212> DNA
<213> Rattus norvegicus

<400> 9644
cactacttta acacctggtt ccatgtttgg cagataaaga accataaaga atttcctttt 60

ctcagcaatg gcccatcaag cccacttccc agtgaaagcc aagagctact tattgtgatt 120

acaacgtatt gtgtacgtat tacttatagt taaggaatac tgaagaaata ctaccctgga 180

caatgtatag ttcctcctgg cattctgaga aactgtagtt gtt 223

<210> 9645
<211> 323
<212> DNA
<213> Rattus norvegicus

<400> 9645
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cagaactggg ccagaagttt gtgagcctga cccaccacaa ccagcaggtt tttgcccctt 120

actacaccga gatcttaaaa accctcatca acccagtcca gaccctcacc acaaaagtcg 180

gttccctctg atggcatcgg ctcggagccc tggcacctca gacccagggg atgacgtcac 240

cagtgagcag cagagcagtg ggtcccctct gccccacccc cggacagcca gcaccctggg 300

gctgtaggga ccaaacatgt aaa 323

<210> 9646
<211> 377
<212> DNA

<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<400> 9646
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agcttgggaa tggcaggtgt gtgtcactgc atctgcctta gacatgcttt aaaggatcat 120

tcttcctcac agaaaaacct ggactgggag actcttgtgc atgagaanct gcctgggcta 180

atggatatgg atcaggatga ccgtgttgtt tggcccagag attcgctttt ccgatatttt 240

gagttactgg aaagccttca gtataaccta gaggagcgca agaggttgca agaatttgca 300

gttcangcac tgatgaattt tgaagacaag tgaaggcaca gtgtatgaca cctgtgtctt 360

tggagccagc aaaagct 377

<210> 9647
<211> 430
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<400> 9647
gcagacctac ccttcagagg acgtaggctg agagtcctgg gcagcttggg gcctancctg 60

ggtgaggggt ctgtcctggg tgagaggttg gccttgagag ccctggaggt gtcctcagac 120

cccagccatc gagcccaggg atgtccagat cccaagccat cactaggccc ggcaacttgt 180

cctctagggc tccactgcct ccatcacntg aaccctatcc ctccagccca tcctttccct 240

tagcgtagcc ctcccttgct gacatctctt ggcctaggtg gggccaaaat gaagtgggtg 300

aacttggggc tggacttttt agaggtccca ggactctggg tcatctatat ggcccaaatt 360

ctgagcctgc taatcctagg gttcaaaatg gcacaaccat cctgggaagg tttgcaggtt 420

cccttatgtg 430

<210> 9648
<211> 469
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<400> 9648
gaagaagcgc atgaccttgg tacaattcag gagaatgatg gcaaagcgtc cagccattaa 60

aaaggccatg gacatgcgct ccccagtttt gtctacactg ctgccgtctc tcagagaaaa 120

agctnagcat atcgctgaga aaaagtacgt ggcaggcatc aaactccaac cccgagtgga 180

gaaggacata acgaatctgg agtctgtggt tatgcccgta gttggcatct tgggggaacc 240

tcgaaatcta ttcaacccgc atactctcct ccccccttgaa tcagaagaaa atggaaaaac 300

aagcggaaga aattcttcta tagtagagag aaataacaca agtattcaga acacactgaa 360

tttggtcatg tcaaaactaa cttcgcaaaa ctccttccct aagtaatcta gttggttcca 420

attcctgacc taggtctcta tatgtggagt aactgcttct ccacagcac 469

<210> 9649
<211> 384
<212> DNA
<213> Rattus norvegicus

<400> 9649
gagaatctgg cctggattga cctctccttc aatgacctga ctaccattga ccctgttcta 60

acaacattct tcaacctaag tgtcctctac cttcatggca acagcatcca tcgcctaggg 120

gaggtgaata agctagctgt cctccctcgt ctccggagcc tgaccctcca tgggaacccc 180

atagaggaag aaaaggggta caggcagtat gtgctgtgca acctgccccg tatcaccacg 240

tttgacttca gtggagtcac caaggccgac cgcagcacag cagaagtatg gaaacgcatg 300

aatatcaagc ccaagaaggt ccggatcaag caggatgtac tctgagattc gcaggacccg 360

agcacaccta atgccctgag gatg 384

<210> 9650

<211> 511
<212> DNA
<213> Rattus norvegicus

<400> 9650
ggaagctctg tgtctactta ctgcagaaga agactttcaa ggcctggctt agcactgtca 60

aagagctgga gatggagtcc cagaagaagc ttaaggttgc tgcagaacac tgtgacagga 120

agattctcag ggtcacactg gagatgtgga aggcatttgt aaaacttacc aaagaagaca 180

gagtcagaga agagcggcga gaccagctcc gccggaaggt ggccgaaatc cttccagact 240

tccagatgct ggtgccatcg tgatggctgc acaccagcag ctacatgctt gtcagccaag 300

ggcagtcttt gtgcccggat gtgcagacag acggtctgca cccacacccc tacctgagcc 360

cggctttctt ctggatgtgt cgtaggccgg gggttatctt gggatttgtg cttcagtctt 420

gctctctcct gggttgctgg gcatcagtgg tgacggctgt cacaggggggt catgggaaca 480

gtctagggca ccaccgctga gtgcatttta t 511

<210> 9651
<211> 294
<212> DNA
<213> Rattus norvegicus

<400> 9651
tctccttggt gtttccctag taccatgctc cttaaaaagt gaagcaaaga aaaccaaaga 60

gctaatgaca aaagtaatga aacaaaagct atttgaaaag aaaaattcaa gaattcctcc 120

caaagaacat catcctaaca gctttgaatt ccttaaagcc attttgaact gagtgttacc 180

ttcaagtctg acaactgtgt caacctacct ggatactagt caaccataag aatgcagaca 240

agactgaagt aaagagtcag tgaaagactg tcaagtttgc aacccatttt ataa 294

<210> 9652
<211> 360
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<400> 9652
aaacactggc acattgaccc ggtaaaggtg tatctcacgt ggctggcacc cagtgaggaa 60

gaccaagcca cgcaggagac acagaaggat ccaagagaag aattataggg cgagtgtggg 120

acacgcggat acaagagatt cgccctgtct atggagcgtc agtccgactg cttgtatgtg 180

ccatgtgaag cgggcacttc ccagccctca tggatatgtg gtatttttg gatgggtaaa 240

ctcctagagg gacctgggna aaaaaatcac ttgttttgat tgatgtcttt attgtaacac 300

aacaattatt gtgcctagta tagccaccac gggctgtgac acaacagctc tttgactgtc 360

<210> 9653
<211> 412
<212> DNA
<213> Rattus norvegicus

<400> 9653
ggagagtggc acttcctgca atgacctctc tacttccagc tgcgacagcc agtcagaggc 60

cagctctccc caggagacag tgatctgtgg gcctgtaacg cgtcagggca acatccagac 120

tctggaccgg cccatcaaga aaggccccgt gcagctgatc caacagtcag agatgaggcg 180

gaaaagtgac ctgctccgga ctctgacttc cggctctagg gagtcgaaca taagcagcaa 240

aaagaaagct gcgaaggaaa aggtctccat cgaggaagag ctggagaaat gtatccagga 300

tttcctgaag ataaaaattc cagatcgctt ccctgagaga aaacatcctt ggcagtctga 360

acttttacgg aagtatcatc tataggggag ggcagtgggt agtcaccact tt 412

<210> 9654
<211> 552
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (159)..(159)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<400> 9654
gacccgcttg agaacttttt cggcgatcgg aggagcaccc ggggaagcag aagccgaggg 60

tccgtaccct tctctacctc ctttaccgaa ttcccagggt ttgggggcgg cttcgcttcg 120

ttagatactg gattcacatc cttcggttct ccgggaaant caggcctttc ctctttntcc 180

atgtcctgcg gcggtggggc ggcaggnaan tacaagtcgg tgtcaacttc cnccgaaata 240

atcaatggca aaaaaatcnc cnccnagaga atcgttnaga atggccagga aagggtggaa 300

gtggaagaag atggagagtt aaaatccctg ataattaatg gcaaggagca gctgcttcgc 360

attgataccc agtaaagacg taaagtgtga tgtaaggact atcaggactt tttttgttta 420

aacgcgtttt caagggagct ctactttcag aacaactgta ttcaagacat tatatgcagc 480

tcatgtcggt gcctcttgtt attgttggga tcgcagggat aggatctctc ttggtcttta 540

tgcctgttgt aa 552

<210> 9655
<211> 477
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<400> 9655
gtcacacaaa tcgagccctg gcagtccacc ggaatctctc cttaaggacc tactttggga 60

aggaagctga ggttgccgct cacacncatt ttgatccaca cagagttgaa aaacccaaga 120

accactggat gctggttact ggaaatccca gaaataagtc caacaccatg ctagacatct 180

ctaaacctat tgcagtggat acccgggccg tggagcaggc catgggcatc aatacatagt 240

gacgtaccag gcattcgtgt ggctcttgtc agctgcaggt cttaaaagaa aggaacaatc 300

ttcttggttg taccccaagc agttttacag taggtgaaga attccatgaa tacatcatta 360

aaagacatac cacattaaaa ttactaaatt gatgttggga gcctggctct ggggagcaaa 420

tagtgtttga aaatgaattg tatttgagat taagtcagct tttgttgata tcccaat 477

<210> 9656
<211> 290
<212> DNA
<213> Rattus norvegicus

<400> 9656
ggaatacagc tctgagagcc ctccaagttg gtttggctat gactctgaag gcaaccctct 60

tgaagaaacc cataccaaag ttaaaactta ctcagaaatg atcgtcaaag agtcactcag 120

cagtgacgat gaaactccaa actccaaaca ccactaggag aacaaaacat ccagaaccaa 180

caatttccct tcatttgttg taaatattgt tagttgctgg ttctcaataa caatgccaaa 240

aagcagcacc cctctgcttc ttatttcaac tgcaaatgtc acctttatgt 290

<210> 9657
<211> 307
<212> DNA
<213> Rattus norvegicus

<400> 9657
aggtgtgcca gcgtcgcctg ctgctgcttg acctgctagc gctgtacacc ccgggggggca 60

tcgtaggccc agctcgatgt gaactgctag gagaccggct acgctggcag cggctactgg 120

gtgaggacaa gttccagtgg ctagcggggc tggcgccacc ctccctcttt gtccgtgcca 180

tgcaggtgct ggtcactacc atctcacctg gccgcttccc ggaggccttg gatgagctgc 240

ctctgccacc ctttttgcag cccttggacc tctcgggcaa gggttagact cagaggaccc 300

tgaccca 307

<210> 9658
<211> 393
<212> DNA

<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<400> 9658
aatgcaaggc aagcgtccag acagcttntt cctgcataaa ctctcatcgg aggccactta 60

ggatatcttc aaggactcac cgtcccttag gtaaagacct tctgtagcag ttgatccgat 120

aagggcagtt gatgctgggg gtcctccttt aagcagattg ccccaccttc agatggctca 180

gctctcctgc aagagaggaa cctgggagtt tgactccact ncctgcacaa cagagagagc 240

aacaacctta gaactaggat agtaaaccag ccatggagac tctcgagact cttacttgga 300

aacacgggag gaaagcccac accgagacag cacgtgcgct gtgcgggagc tgtcacttca 360

agctatgctg tccccttttgt ctggttgagc taa 393

<210> 9659
<211> 181
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<400> 9659
tgacggctta caatggcggt acatctgcag cagcagcagg tcaccaccac caccatcacc 60

accaccttcc acacnttcct cctcctcacc ttcaccacca ccaccaccct caacaccacc 120

ttcatccggg gtcggctgct gctgtacacc ctgtacagca gcatacgtct tcggcagctg 180

c 181

<210> 9660
<211> 298
<212> DNA
<213> Rattus norvegicus

<220>

<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<400> 9660
aggcttccat ttctcatatt tggcaggaaa cagtgcacac aagctccatt gccctgcctt 60

tccctggacg acagcctgta gtgggcccac caacactgac aagacgccat ctcctcctgt 120

gaaagcctcc atnttcactc cgcctgttct gctcaagttc cagcccgtgc ccagacccaa 180

tgatgattca gagaatgacc ctggcaacgc cgagtccact cctgccaagg agaaccaata 240

atctcttccc tacagaccat gccccaggac tgagtaaagt tcatcctggt gttgagct 298

<210> 9661
<211> 311
<212> DNA
<213> Rattus norvegicus

<400> 9661
aatgatctgg aatcgcactg agagagcatt ccttcccagt gtaccatgat cacactcatt 60

gtcccttgcg tgttcaaaga tttggatcca tcctagtgtg agctccattt gactcatgac 120

tctagaagca agagtcttgg ctctcaggcc tgggacagat cttcctgcca aaatcatcat 180

gacagggtct ccagttagcc taggtcctag cccagcctga gccctagccc caggccccat 240

cctcaaatct ctctcagcag cagactgtgg tggagattat agctgtgtgc ctctatttat 300

catctgatcc g 311

<210> 9662
<211> 333
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<400> 9662
gcgtgagcag catccgctac gagaatatga atgtcatctg cggcaccgcg gnccgcaggg 60

acaggtggct catcaccgtc acagacttcc agacgcgctc gcgcctgctg cgctcagggc 120

tcagcctccg aggagtcgcg tacccacttg tgcgccacga cgatctactg ctgggggact 180

accgtctgca cctgcgccgc tccctggtcc gacggcgcat gctcgaagcc ctcggggcgg 240

agccggtcga ggaagattga cgcacagcgg gggcgggtcc cagccgcgcc ccgcccccag 300

gcccggcgaa acgagagggc gtggcctccc tag 333

<210> 9663
<211> 566
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<400> 9663
agactccttt catttctctg tggtgttgcc tcttgctttc tgtcagattc tcgtctgttg 60

tggtgactan agatgttgtc agatatccca gtagttcccc atgtaactgt gtttgtaaat 120

ggagaccctc ttacccccag tgttatgcag atggacatgt tcatgctttt gaggtatcaa 180

tttaactcaa ctgatttcag aaaaaaaatt attctgtatt agaacaagat tgttatcgtg 240

ngacagaatg ctgagtttgt acagattaca cgtagaaagt agtttgcttg actgaatgtt 300

atttagaaca tatctcagaa tattcaaagg gttggggatt tctctctatc atcaggaaca 360

ttttggcaga aaagtctgtg ctagactgat tcatcacagg tatagagtga ctgagaacaa 420

gcggacaagg tgttcctcat atagggaatt aggggagttt gtcgtagtgt tgcaatgttt 480

cccttagtct agcatagaat ttgtagccac ttgttttgaa ttgcttgcat gtggatttat 540

tgcaattact tctgtacctt gacctt 566

<210> 9664
<211> 580
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<400> 9664
ctctggatcg ggaagcctgg tgacaagccc ccacccctct gtggagccat tccagcctca 60

gggnactatg tggccaaacc tggagacaag gtggctgcta gggtgaaggc tgtggaaggg 120

gatgagcagt ggatcctagc tgaagtagtc agttacagcc atgctaccaa caagtatgag 180

gtagacgaca ttgatgaaga aggcaaagag agacataccc tgagccgacg gcgcatcatc 240

ccactgcccc agtggaaagc taaccctgag acagaccctg aggccttatt ccagaaggag 300

cagctggtgc tggctctata tccccagacc acctgcttnt accgtgccct gatccacacc 360

ccaccacaga ggcctcagga tgactactca gtcctgtttg aagacacctc ctatgcagat 420

ggctattccc ctcccctcaa tgtggcccag aggtacgtgg tggcttgtaa ggagcccaag 480

aaaaagtgaa tcgggctggc agacttgaat ctgccccagc caacctcatg ggagaaggca 540

acaaaggagt tcctatgatc caataaatac tcttccctct 580

<210> 9665
<211> 213
<212> DNA
<213> Rattus norvegicus

<400> 9665
tgacgtctgt tcttgttgta aaggttatag ctcagtacca tgcggtgatg agtgaccatc 60

acacatcgga ggaggagctc ctggccatct tcaacaagaa gatcagcagg aaccccacct 120

ttaaggtgct gaaggacaaa gttaagcttc tgaagtgagg gctctgttgc gtcacactct 180

accatcctat tggctacttt cctctctttg taa 213

<210> 9666
<211> 371
<212> DNA
<213> Rattus norvegicus

<400> 9666
gaaccggact ctgccacaga ttgtaccccg ctgcgggtgt gtggaccctc tgccgggacg 60

actgccgtac cgaggatacg aaagcccttg ctctggacgc cactactgtc tgcgcgggat 120

ggactactgc accactgggg agcctagcac agaacgccgc ctgcggcctt tgtgctcgca 180

gcagccgact gagtatgttg cccttagacc accggccagg aatgcagtgt gttgttacaa 240

ctcccccgcc atcatactac ccatttccca accttagatg ggacacaagt cacttcaaga 300

agaccggtgg tccccagaga aacaactatg ttgtccatcc tgaatttgtg tctgagactt 360

ttcctgtcta c 371

<210> 9667
<211> 348
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<400> 9667
cgggagctgc gcaagtatac ctatgccctt ntgcgtgtgc gcctgccgga tggctgtnta 60

ctgcaaggga ccttctatgc ccgggagaag ctatctgtgc tcttccagtt tgtgcgagag 120

gcgctacaga acgactggct gccctttgaa ctgagggcct cgggtgggca gaagctggag 180

gagaacgagg ccctggccct gaatgaatgc gggctggtac cctctgccct gctgaccttc 240

tcctgggatg cttcagtgtt ggaggatata agggcagcag gagctgagcc agcaaaatct 300

gtcttgaggc ctgagctgct tgcagccatt gagcaactct cctgaata 348

<210> 9668
<211> 486
<212> DNA
<213> Rattus norvegicus

<400> 9668
tcgatgttcc gagaagtcct tccaaaacaa gggcagttgt ctgtggaaga tgtaaccaca 60

atggtgctgt gtaaacccaa gcttttaccc ttaaaatctc tgactttgga aagactggag 120

aaaatgcagc aaacagcaca ggacacagtt cgccaacaag aaatggcaga aaaagacaac 180

cggcaaataa cccactagcc actcccgctt taaagaatcc ctaactgttc agtgactaga 240

actattctgc atctgtaggc taaggaatcc taactgttca gtgactagaa ctattctgca 300

tctgttcagt gactagagac tattctgcat ccgtaggcta aaaatgctta aactggtcat 360

tccaaactta aaacagaaaa ttcaggtgtt taaacattgg tttgtgttaa gagaaaaact 420

ttgaaccagg ttttacggaa ttttcaaagt ttttaaatta taaatttctc accttgttta 480

tcgcac 486

<210> 9669

<211> 327
<212> DNA
<213> Rattus norvegicus

<400> 9669
cagcagctac aacagttgcg attcttgcag catcaaatgg ctatggcagc agccgccgca 60

caaacagccc agctccatcg tcaccggcag gcaggcagcc agtcaaagag taaagtgaag 120

agaggcatgc caaccactcc aaaattctga gcaattgttt tctctttttt ataaaacaag 180

accactgaat gaaaagaatt gtatttctac ttcatttccc ccaagatgtc agtattttac 240

attgatatat gtgcacactt tatatagaag caaaaccctg tgattcttac atggaaacat 300

ggttcaatgt tttcctgtac ataccaa 327

<210> 9670
<211> 322
<212> DNA
<213> Rattus norvegicus

<400> 9670
agactttaac ccacgagatc ggacacatac ttggattgcg acactgccag tggcttgcgt 60

gcttaatgca aggctccaat cacttggagg aatctgaccg tcgtcctcta aatgtctgcc 120

ctatctgctt acgtaagctg cagagtgcta tcggcttcaa tattgtggag agatacaaag 180

ccctggtgaa gtggattgac gatgagtctt gcggcgagtc aggagcgact ccgaaaagca 240

gctctgagca tgtgtatttg ccgaagcctg tggaagcctt caaggactgg agagagtgga 300

tactcagatg cattgctgtt ct 322

<210> 9671
<211> 461
<212> DNA
<213> Rattus norvegicus

<400> 9671
taccaaagac acactcaggc gttagtaaat ttaactttac ataacctcaa tttttaacat 60

gtatatcttt ttgaaccatg aaatcaaaac aatgcagagc ttgtaccaag cttattcaaa 120

aggtctacgt gtggctttgt ttccttttgc ttttgtttac ggaggatgat cagctgacac 180

agcagaagtt ggccaaaatg ctggctacac tattgacttc cccacagctc cccggcaggc 240

taaccttaca gcagtcaagt actccacctt tggtgtttct tttaagtatt accattatgg 300

tgctactgag cattttcttt tggaaaacaa ggaaaatgtc cgggctgcag tcttgtaccg 360

ccgttctcgc tgcgtccatt agtctgctta gataacacta gtgccagttc tgttagctga 420

tactgctcat tattgtgtgt acatttgttt gcattccagt t 461

<210> 9672
<211> 451
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<400> 9672
cagcctatag ctgcggagac ctcagcacct atcaacagtg gggacncccc caccaccata 60

ctggagtgat tccaactcag aggacaccca gagctaccat ctggtatntg ccagtttcca 120

actgactnta cccagcatcc ccctcccccc tttcccataa ttcatgacat caaaacatca 180

gcttttccct tgagactcag gagggccaaa gcaacagcct ttggcttttt tctcttttt 240

tcccctctcc cctagcatgg gttgaaggaa gggatccatc cttattgttc agaggcatca 300

cctccctccc ctaagtcagg ctgagaagga accagccagc tcatacctcc tcctgattgt 360

ttttcttccc cacccattta ttttttgttt cccttcgacc tccccccatc acctctgaag 420

ccattttatg aactgtcatg tgccacctga g 451

<210> 9673
<211> 492
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (143)..(145)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(165)
<223> n is a, c, g, or t

<400> 9673
gtacttcgag atgacgcaca atgtggacga ttgtggcttt tctttgnann anncgaatca 60

gttctttttt gagngccngc gaatcctaac tggtggcann gatatcanga nggangcaag 120

ccacccagnn ncgcctcngc ncnnncccng cncccagnag accnnggatg ccacgtctgc 180

tctggcctct ctagattcct ccctggaaat ggatctggag gggctagaag actactttag 240

taaatgacgt ggcccctgga gcaactggag caaatacatt cctgtttgaa aggtttgcct 300

ttgtaaacct ttctcttcct acccacgcat gctcacacat gtactgggaa agcaggcttg 360

cttccacctt acttttgaca gaatgaaaaa ggaagagttc ctatggaaac ctttcattga 420

atatttcgtt ttgaatcctg ttccagaaaa tttaaaacag tactcaggga ctaaaatcct 480

caagcagcaa ta 492

<210> 9674
<211> 485
<212> DNA
<213> Rattus norvegicus

<400> 9674
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cagccataag gcctaccaac cacttggctt ctcaacatct ctggcctttt cctctgctct 120

tcaagtccct gacctttagc aatctgctga gcagactggg aaacattcat ggggcatacc 180

cgggaagttg ctccttttgg ccgactcctt tctggcacct tgccctgtac caagtggcta 240

ctctcatggt cacagtactt cacctgttca ccaagttctc agagcaataa aagtctgaag 300

ctgctcacag gccgggtggg agtggaatgg tgccatagat caacatgatg gcagtagtgc 360

ctgtaacatt ggtggtgctg atcccaagtc tgaataatga ccaggcttgg cagatgtgca 420

gccagggatg ccctctctgg gcagatgcta gagaacctat gtgtgttaca tttccagctt 480

gtctt 485

<210> 9675
<211> 432
<212> DNA
<213> Rattus norvegicus

<400> 9675
gcagcagagg ttgtttctcc agtttgtgac tggtagccca cgattgccag tcggaggatt 60

tcggagttta aatccacctc tgacgattgt gcggaagaca tttgaatcaa cagaaaaccc 120

agatgacttc ttaccatctg taatgacttg tgtgaactat cttaagttac cggactactc 180

gagcattgag ataatgcgtg acaaactgtt gatagcagca agagaaggcc aacagtcatt 240

ccatctttcc tgatcacaac aagaaatcaa tgtctgcctg ttacagcaaa agaaaaaaat 300

catgatttct tttctgtgtc acctgagtca aggaaacatg ttcctccctc ttgttgtagg 360

aaaacggctt gcagatttaa attcataatg gccctgtgga cttaagtgat caggccctaa 420

agcattgttg tg 432

<210> 9676
<211> 549
<212> DNA
<213> Rattus norvegicus

<400> 9676
gaacgccgcc aagaagagag accaagagca ggtggaggcg gagggcgaga gctcagcgcc 60

accccgtaag gtggcccgga ctgacagccc cgacatgccc gaggacacct aggtcctgtg 120

catcacccat cgtctgtcag ctgtgtccgc tcccacccac gtgtgtaagc gcagtccgcc 180

tcctacatcc agtccacgcc ctccaacctc ataggaccca tgtatttatt ttccttgagt 240

ttatttatgc tgtaactcgt gtcaagcatt ggttaaaggg acatcaggcc cagccgcgag 300

gtgtcggtag atgcttttta aagcacagtg gtgtccccca cctgcagcaa gacctcgtcg 360

ggggccagag cccagggagg gctggccccc caacacaccg agcggccttc tcgctccttc 420

ccacccacag gcccggcacc cgggtccctc ccgtgcccag gcctcactct gagccctcgc 480

cagggcagga aagagctggc ccctctggat ctttctcttt catcatttat catggactag 540

cccgtgctc 549

<210> 9677
<211> 428
<212> DNA
<213> Rattus norvegicus

<400> 9677
agagcccgac acctttgtga acaagctgga ccccagcaaa gtgttcaaga gcaagaacaa 60

gattttaatc ccaaaaaaga aagggcctgt gcagcctgtc agtggccaga aagggcccgg 120

gcccttagct ccgcctacct ctaaaccttc tgcaggctgt ggaaaccctg tccgaaaata 180

agcgttctgt cacctcccat cagtaatatc tgggcacaga cagccctgtg caggccccac 240

cattctcctg agagaccaaa gccttaggcc ttcactccca ctgttgttag ccaggagttg 300

ggacaatcac actgaattct ccccaggagt ccattcctct gtaggttgtg ccaacctcgt 360

ctccaaatcc aacgacggct ttcagatgta cctagagctt tcttatgtct gtacccaatc 420

cttaactt 428

<210> 9678
<211> 555
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<400> 9678
ggcagcagca gggtaccttg tatatgctag acagttgcag tgtggaaggg ctgggccctg 60

gggtnagctg tgtgccctgg gcagtgcctg ttgtgatcac atccagtctc agctacactc 120

gctgtcctgc gctgggttac ttcacgagtg agaatgttaa gtgccacatt ggctcagtta 180

atagcttcag tgaggagtga cgaaccctct agaaatcagt gcctaattct cctgggaacc 240

attggtatcc atgtcctatc tgcagtccag ctgctgtccc tctattctgt ggcttctctc 300

tgtggcccct agtaggtgag gtgagtcccc atagagcttg taactgtcct ctattgtcac 360

ctgggggggc tgccttgctg ggtggctgtc tctttccctc cagggagaaa ggcggtgtgt 420

acttggaaaa taatgtgtgt ttacatctct ttgcaaagtc ctgtacatag agagatattt 480

tttaaagcgt gaatgtaaca acatactgtg aattccatct cggttacaaa ggagagtcct 540

tcagttacct aaata 555

<210> 9679

<211> 426
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<400> 9679
tggtctacga caccaagggc cgcttcgcgg tgcaccgcat cacgcccgag gaggccaagt 60

acaagctgtg caaggtgagg aaggtcttcg tgggtaccaa gggcatcccg cacctcgtga 120

cgcacgacgc gcgaaccatc cgntaccctg acccgctcat caaggtcaac gacaccgtgc 180

agatctcgct agacagcggc aaaatcaccg atgccatcaa gtttgatacc ggcaacctgt 240

gcatggtaac cggaggcgcc aacctgggcc gcatcggcat catcaccaac cgcgagcgcc 300

atcctggctc ctttgacgtg gtccatgtga aagatgccaa cggcaatggc ttcgccaccc 360

gcctctccaa catcttcgtg atcgggaagg gcaacaagcc gtggatctcc cttcctcgag 420

gaaaag 426

<210> 9680
<211> 312
<212> DNA
<213> Rattus norvegicus

<400> 9680
gggctcggga gatatcagat gctcagtggg aagatgtggt gcagaaagcc ctccaagccc 60

ggcaggcatc ccctgcctgg aagtgaccac tcagagagct agctgcctta cctccctgca 120

ttccaggccc ggaccagcac aggactaaca gttctggttt taacatccac cttcttccca 180

tgtccttttt cacaccaagg caagtcagac ctctcagaga cccactttat tcagttctgt 240

acatatgggg acattggccc aagcccagcc caccttagcc tgtatcactc tgtggagaat 300

aaagcaccct at 312

<210> 9681
<211> 249
<212> DNA
<213> Rattus norvegicus

<400> 9681
ggtgcgtgcg ctggtgcggg tgtgcggtgg cccgcgttgg tcacccgagg ccacgcagcc 60

tgtggacacc cgcgaccggg agctgctgca gtggctggag caacgacatc tcctgcacgc 120

gctcgtggcc gatgcggatc ccgcgctaga cccggacccc gcgctggacc cgcagcttcc 180

tcaccaggct tctcagcgcc agcgccgcag tgtggccacc aacgctgtgc accgctgctg 240

tctcactgg 249

<210> 9682
<211> 534
<212> DNA
<213> Rattus norvegicus

<400> 9682
agatgtggca cagttcagaa acgttgtaac acagttagaa gcagatttgg acattacaaa 60

aagacaacta gggacagaac gatttgaaag ggaaagggct gtccaagaac ttcgccgcca 120

gaattactca agcaatgctt atcatttggg ttcaatgaag ccaaatacaa agtgtcactc 180

accagagcga gctcaccatc gatctcctga ccgagacctc gaccgatcat tggaagagaa 240

tctttgctat agagatttct gacatgtgaa aagattctcc acagccttgg gaaggtcaaa 300

gatacaaatg gatttttgc tatgtgattg catttatctt ttgaatgctt gacagggtta 360

aatgtattta ttaactttgt gcctctgagt ctgttctcca gtgccctacc acagaaatct 420

gggatgattg atgtatgcaa acgaaatgca tatggttctt tctatccaca cagtgatagt 480

gagtgtaaaa tctgcttact tcactactga gcactgtttt gttaactgtc cgga 534

<210> 9683
<211> 557
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<400> 9683
tgacaagtac caacgctgcc aagatattca acctgtaccc tcgcaagggg agaatagctg 60

tgggttctga cagcgacctt gtcatctggg atccanatgc cgtgaagatc gtctctgcca 120

agaaccacca gtcggttgcg gaatacaaca tctttgaagg gatggagctg cgtggggcac 180

ctctggtggt tatctgccag ggcaagatca tgctggaaga tggtaacctg cacgtgaccc 240

aggggccgn ccgcttcatt ccctgcagcc cattctctga ctatgtctat aagcgcatta 300

aagcaaggag gaagatggcg gacctgcatg cagtcccaag aggcatgtat gatggaccag 360

tgtttgactt gaccaccacc cccaaggggg gcaccccagc tggctctact cgaggctctc 420

ccactcggcc aaacccacca gtgaggaacc tccatcagtc gggatttagt ctgtcaggca 480

cccaagtgga tgagggtgtc cgctcagcca gcaaacgcat tgtggcgccc cctggaggcc 540

gttctaacat cacatcc 557

<210> 9684
<211> 419
<212> DNA
<213> Rattus norvegicus

<400> 9684
accacatgct gtgcctgatt gaggactatg atgccctcta taagcagatc agctggggcc 60

agacactgct tgccaagatg gatattcaaa cccaagaggc tctgagcccc acaagtcaga 120

agctgggacc aaaggcttca ttctctgtgc ctctgagcaa gtttctctcc agcatgaaca 180

cagccaagct gatcctggaa aaagcctcca ggttgctgaa gctcttctgg agggtctctg 240

tccccaccaa cggccagtgt tcccttcact gtgaccagat tggagaaatg aaggcagaga 300

tcaccaaact acacaaaaaa ttgtttgaac aagaaaagaa gctgcagaac acagcaaaac 360

ttctgcagca gagcaagcac caggagaaaa tcatctttga tcagttggtc atcacccac 419

<210> 9685
<211> 571
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (337)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(351)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (360)..(368)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (373)..(373)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(378)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(384)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(389)
<223> n is a, c, g, or t

<400> 9685
ggaaggtatt cccatctgtc agcagcactt aatttggaat aacatggagc ttgaagatga 60

ttattgcttg aatgattaca acatttccga aggttgtacc ttgaagctgg tattggctat 120

gcgtggcgga ccaataagta ctagaaaagt tcctgtggaa gacccactca gggagcttgc 180

tgagtacatg gattccagtc gagatgaggt ctgggaaaag acctcttgca acaaacaagt 240

tacatttttg gtataccggg aaggagatca actaaatttc tttcgtgtag tagatagggg 300

agatggcact ttaacaccat tatcagaatc tttaagnnnn nnnnnnntnn ntnnnntgtn 360

nnnnnnnnan nangannnga nnnngcnnnc tccttctggg caacaaatca ttgaaaattc 420

aataactatg aacaagatga agctgctgaa ggctaagatg gagaacatga atctcagcaa 480

aaaggtgaag ccgttggctg tgcgccaagc ctttctctag cttacactgg cagggctcgc 540

ggctccgagg tctgctgcta actggaaaac t 571

<210> 9686
<211> 463
<212> DNA
<213> Rattus norvegicus

<220>

<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<400> 9686
aactgtaggt gctgttgcct tggactgcaa agggaacttg gcttatgcaa cctctactgg 60

ggggattgtc aataaaatgg ttggccgagt tggagactca ccttgtatag gagctggagg 120

ttacgcagat aataaccttg gagccgtttc aaccacagga catggggaaa gtattctgaa 180

ggtgaatctg gccagactcg ccctcttcca tgtagagcaa ggaaagaccg tagatgaggc 240

tgctacgttg gcactggatt atatgaagtc aaagctcaaa gncntaggtg gcctcatctt 300

gatncaacaa gacgggagac tgggtggcaa agtggacctc tgcctccatg ccctgggcag 360

cggtgaagaa cggcaagctg caggccggca ttgacctttg cgaaaccaag acaaggaacc 420

tgcccacttg ctagcctgga tgtgaagtca agctgcctgc agt 463

<210> 9687
<211> 429
<212> DNA
<213> Rattus norvegicus

<400> 9687
acacgtgagc tgttctgtta cgcacagagc atctcccaca ttccacacat tttatgcttg 60

ctatcctcga gagttagtgg agttggattt gccggggcga caggttacag agtcctttca 120

catcttccag ctggaaaata cagggccctt aggaccctgt gccgactgca gtggggagac 180

atggttgttg tatcatctgg agaagacatg gtctcccaga aggctggcca tgaacctcag 240

accaggctgg ggcaagtgac cttgtcacac agtgccagga acttggcttc tcatactgaa 300

gtgaggatct taaacagaaa tgtccttttc tgttattatc caccacgaag ctaaaggctg 360

aatataaact gcaaattgct ttcttttaat gaaaactcag atccctcctt cagccttgca 420

gatttttaa 429

<210> 9688
<211> 530

<212> DNA
<213> Rattus norvegicus

<400> 9688
tgtcttgtac cgacgcggat atcgacatgg ctgccgtgga gatcctggcc ccgcccgtgc 60

tgacagctga atgcgaaagc accggggccc gtgtgaggtg ggcgccgcag agccggttcc 120

agacggcctt cgtgttcact ctgcagatca accagagttc acagacagag ccaaagcttg 180

agatggtata tgagacagaa ttcaaggtcc cgaccctgga cacggtttct gtgcgtgtca 240

aggccacagc cctggactcg ggcgtggaga gcgactggag caaggcctgg agcctggact 300

gtggccccac agcgactctg gcaaccccga tgacatcgct gctcctggcg ggggcgggcg 360

cggtgctcac agtgatggct gtgctgctgc tgtgctggag gaagtcgctg ctgagccgcc 420

tgttcccacc catcccaagg atgagagtcc tacctgggcc agagatggtt gcatgggtcg 480

aggcacctga gaactgcgag gtgacgctgg tgacagacaa ctgagccctg 530

<210> 9689
<211> 511
<212> DNA
<213> Rattus norvegicus

<400> 9689
tctcctgcgc gacatgccaa gaaatccgac ggacaaagtt gtcagcactg tttattaact 60

tgatcagtga tccttcacgt tgggttcgcc aagcagcctt tcagtccctg gggcctttca 120

tatccacatt tgctaatcca tcaagctcgg gccagtgctt caaagatgag agcaaaagct 180

cagaagacaa agacaggatc agagacgatg gtgttgtaca agaagagcag agcaggccag 240

aggacgcacc ttcagacctc agtgcccctc actccagtgc caggctggac ggcacacttg 300

aaggctgtgc tgccgagacg cctggggact ctgcaggtga catgcgtgtt ccagcggaca 360

gctccttact ctgtactttg tcctcagagt ctcctcagga agcagctagt gacgctgaga 420

gtggtaaaaa gcacgataac aacagcaagt ctgcgtcccg gccagacgtt ggcaccagct 480

ccccagagcc cactccctta gatcaggaaa t 511

<210> 9690
<211> 513
<212> DNA
<213> Rattus norvegicus

<400> 9690
taagcgtcct ggagtctaca cagccacctg ggactacctg gactggattg cttccaagat 60

cggccctacc gccttgcact tgattcagcc ggccacccct cacccaccta caacccagca 120

accggtcatc tctttccacc ctccttcgac tccaccctcc ttggtacttc caacacctgt 180

ctcctcggcc gctttaccta cgccgcctcg gcctctgctc catcagccgt cttcagtcca 240

tacctcctca gctccagtca tacctctact ctccctgctc accccagtcc agcctgtgtc 300

ctttaccctt gctgcgtacc acacaaggca ccacacaacg ctgtcttttg cttcggcgtt 360

acagcatctc atagaggccc tgaagatgag aacttaccct ataaaatatc cctcccggta 420

cagtggacct gtgaactacc agcaccgctt ctccacgttc gagccccttt ccaacaaacc 480

cagtgagccc ctcctccatt cctgagaaaa gag 513

<210> 9691
<211> 438
<212> DNA
<213> Rattus norvegicus

<400> 9691
gacgtgtcac aatgtctgac cggaaggcag tgatcaagaa cgcagacatg tctgaggaca 60

tgcaacagga tgccgttgac tgcgccactc aggccatgga gaagtacaac atagagaagg 120

acattgctgc ctatatcaag aaggaattcg acaagaaata taaccctacc tggcattgta 180

tcgtgggccg aaattttggc agctatgtca cacacgagac aaagcacttc atctattttt 240

acttgggtca agttgcaatc ctcctcttca agtcaggcta ggtggccgag gtgaaggtgt 300

cagtggcggc ggcagcgatg gcaagcaggc ggcgttgctg ggactgtttt gcactggggc 360

cagcatcagg aagtcctctc caatggctgt gctactgcat ggactgtata ctcgatttca 420

tgtgtgtgtc gcagtaaa 438

<210> 9692
<211> 499
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<400> 9692
gaggctatcc tgaagtgacg ttaatggatt gtatgaggct cttcaccaaa gaggatgtgt 60

tggatgggga tgagaaacca acatgctgcc gctgccgggc cagaaaacga tgtataaaga 120

agttctctgt ccagaggttc ccaaagatct tggtgctcca cctgaagcgg ttctcagaat 180

ccaggatacg aaccagcaag ctcacaacat ttgtgaattt cccactaaga gacctggact 240

tgagagaatt tgcttcagaa aacaccaacc atgctgttta caacctgtat gctgtgtcca 300

atcactccgg aaccaccatg ggaggtcact atacagccta ctgccgaagt ccggttacgg 360

gcgaatggca cactttcaat gactccagtg tcacacccat gtcctccagc caagtgcgca 420

ccagcgacgc ctatttgntc ttctatgaac tggccagtcc accctcccgt atgtagcatt 480

gaggagctac aacccttcc 499

<210> 9693
<211> 571
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<400> 9693
cctttcttaa tgttcaggct gcagaggaag ccctgcccaa gattgttgag ttaatgggaa 60

gagaattgaa ctggagtgaa ttgaggaaac aggaagaact tgaaacagcc acgaggtttc 120

tgtactatga aatgggctat aagtctcgaa cagaacaact cacagatagt actgaaatca 180

gcctgctgcc tccagacatc gatcggtaca agaagagatt tcacatgttt gatgaagacg 240

aaaaaggctt cattaccatt gttgatgttc aacgtgtgct agagagtatc aatgtacaaa 300

tggacgaaga cacactacat gaaattctct gtgaagtaga cttgaacaag aatggtcagg 360

ttgagctcca tgagtttctg cagctgatga gcgcagttca tacnggaagg gtgtctggaa 420

gccggcttgc catcctcatg aagactgccg aggagaactt ggaccgtaga gttccaatcc 480

ccgtggatcg tagttgtgga ggattgtgag tctgaccaat aaatccacaa ccaacaagcc 540

taggacagtc agcactatgt acaaccagag a 571

<210> 9694
<211> 529
<212> DNA
<213> Rattus norvegicus

<400> 9694
aactaatctt tttcgacaac agcaaaagat ttttcagcag actagaattg ttcagagcca 60

gagaatgaaa gcaatcaaac agctacatga gcagttcata aagagtttgg aggatgtgga 120

gaagaacaat gataatctat ttactggcac acaaagtgaa cttaaaaaag aaatggctat 180

gttgcaaaaa aaagttatga tggaaactca gcagcaagag atggcaaatg ttcgaaagtc 240

tcttcaatcc atgttattct gatgagtctt tgaagaaaga acttgaacct atgtaatatg 300

atacaattaa aacattagct aagaggcatg cctttagtaa ttagtttaaa ctataacatc 360

ggaagtcatt agcttgttta agtggaaggt ttttgttcct gtcaacttct aaataaatct 420

aagtaactgt gtaagtagca gctattccaa tgtatcaagc tttctggggt ttgtttgttt 480

gtttgtttgt ttgtttgaat agttgttctc tccactattg tgtcaataa 529

<210> 9695
<211> 503
<212> DNA
<213> Rattus norvegicus

<400> 9695
aaggagtact cccatcgaag ctctctgtga gaactttcca gaggagatga tgacctacct 60

tcgatatgtc aggagattag acttctttga aaaacctgat tatgagtatt tacggaacct 120

cttcacagat ctgtttgaac ggaaaggcta tacttttgac tatgcctatg attgggttgg 180

aaggcctatt cctactccag taggatcagt tcatgtagat tctggtgcat ctgcaataac 240

tcgagaaagc cacacacaca gggatcgacc atcacaacaa cagcctctta gaaatcagcc 300

aagatcttta acagcagagt ggtttgtgct ggctcccctt tcccaccctc cagcacccac 360

ataagcagga gtcatgtgct ggcagtgaaa gcaggtggca ggagcggctg cacaacaaga 420

caagcctgat cgggtccaca ctaaccagat gacaggagtg ggagacagag ccttcattga 480

cagttcggga ccatcagtga gca 503

<210> 9696
<211> 574
<212> DNA
<213> Rattus norvegicus

<400> 9696
gacagggtgc ttaagtcccc agaaaatggc ttctgggtag tgcagctgtc caaggggaag 60

aaacatctgc ccctgctacc caattccatt ccagtcacac tcacggagcc tcccagccac 120

atgggtatct tcctggactt ccaggccgga gaggtgtcct tctacagtgt gaacgacggg 180

tcccatttgc acagcttctc ccaggttgcc ttccctgggc cgctgctgcc gttcttctgc 240

ttggggtctc caaagtcggg ccaaatggtc atctccacag tgaccatgtg ggtgaaggga 300

tagaggcttg gagaagggca cagacactgg gtgtgctatg gttccccaga aggcagggcg 360

cttcaccacc gtggccacct acctaggatt ctctggattc tctggggtgc taagagttaa 420

tacctgtgct ggcagggcaa ctaagcaaaa tacaatcaag attaaaatgc tcaagtgaga 480

aagacgacta cagataaaat gctaaatggg gggggctttg gaaagagtct tgatgatcaa 540

ctcatttcta aatatatacg tgctcaccct gcag 574

<210> 9697
<211> 563
<212> DNA
<213> Rattus norvegicus

<400> 9697
gtcaaaactc ccaaacagac tcctttatct ttatcaactc ctgcatcttt tacgaagttt 60

ggaagtctga aaaaaatgag agaagaccgt tgggcaacga ttgctaaaat tgataggaaa 120

agaagactaa aggaagcaga aaagttattt acttaatttc agaaaatcaa tgttggttat 180

agagactaat agttaacttt attatttccc agagagccaa actttactga ggaattcaga 240

ctttaaaatt aattacataa ataatttgtt tgttatgttt gtggtctaaa tataaagtaa 300

ctatatttga atttttttat tgtattcaga tacttagatt ttgttgcttt tacttgcaat 360

ggatattgaa attcaaaggt ttttttgtt tttgtttttt ttttttttg tcttctcctc 420

cctaccccca agagctgagg accaaaccca gtgctttgtg cttgctaggc aagcgctcta 480

ccactgagct taatccctaa ccctgaagtt caaatttttt attttgagct tttgaccatt 540

agaaatgcat tatcgagact tat 563

<210> 9698
<211> 245
<212> DNA
<213> Rattus norvegicus

<400> 9698
agaacaaagg tgttatctgg acagaagaaa ctttgatgga atatttggag aacccgaaga 60

aatacatccc aggcactaaa atgatttttg ctggtatcaa aaagaagagt gagagagaag 120

accttattca atatttaaaa gaggcaacat cctcatgagt tagtattaca gtttcaaaaa 180

tatgtgacca atttcaaatg ttgtgtttag taagaagcat atctgacttt ttgatcagcc 240

taaag 245

<210> 9699
<211> 440
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (44)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<400> 9699
attcattaac atgcccagcg tgcagcatga cagactacat gagnnggggt acaagactta 60

gttgagacnt ganagggnaa acctatagga gagtagtgaa acagtgcatc ccaaatgaca 120

aggcttcttt ccttcctgga tttatataga aatgtctttc atacaagcca ttaagaaagg 180

tgtcatttag gataacaact ctggattttg accaactttg ctgcttcaaa tgtagtgaag 240

cgaatcaagt ggagaatttt gaaagttgna ccataactgg tcattcacct ctagaacttt 300

gaaaaggaga gaactgtttg tgtgtcctaa accaacctgc aatggaagaa tgggctgtag 360

ttacatcacc atcaacctac ttcatagtgc ctaccaggat gaatcttgac atctagattt 420

gtcttatgtc ttcttacttt 440

<210> 9700
<211> 519
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<400> 9700

tttccagttc agctagtata cctatcanct tgattatcct ccgaacttta cctacaagtt 60

tacattcact gggcctagct gtgacctata caatattgag aatatttggt tccatccctg 120

gaccactgct ttttcgaata gcatcaagta gttcttgttc ttactgggac attaataaat 180

gtggactcag aggacattgt tggatatata ataagtttaa aatgatgtcc atattgatgg 240

gattatgtat ttcttgcaaa ttaatctcaa ccttgctctc cctcttggca cttttaaagt 300

ataatgtttt aagagttgga agtgagggcg taaagaaaac aaaagaaagc aaaacaagaa 360

aaacgtaatt cttaactgat ttcttctttg gtttcctgag ctccgaggaa caagatttga 420

ttgagacatc ccatctaaag gactggagaa cctgtgaggg tccaggttcg aaggacagca 480

gcctatcctt tggagatttc ctaagattgt ggcagcact 519

<210> 9701
<211> 219
<212> DNA
<213> Rattus norvegicus

<400> 9701
cgcaaactaa agactcatgg catgaggaga ggcaagaacc gagctcctca caagggcgtc 60

aagagaggag gaagcaagag aaaataccgg aagagcagcc tgaagagtag gaaacggggc 120

gatgatgcaa gtcgcaatta ccgatcccac ttgtaatgcg gcaatgagct ctagcctggt 180

ggtcttcaaa ctacaccagg cagcaacaag acatcagag 219

<210> 9702
<211> 483
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (413)..(414)
<223> n is a, c, g, or t

<400> 9702
ctgtggcatt tgctcttgct gaaatgctga aggtgaacaa ggtgttgaag acgctgaatg 60

tcgagtccaa cttcatctcc ggagctggga tcctgtgcct ggtggaagct ctcccccaca 120

acacttctct ggtcgaactg aaaatcgaca accagngcca gcctttgggc aacaaagtgg 180

aaatggagat cgtgaacatg ttggagaaaa acacaacact cctcaaattt ggctaccact 240

ttacccagca ggggccccgg ctgcgggcat ccaacgccat gatgaacaac aacgaccttg 300

tgaggaagag gaggctcgca gacctgacgg ggcctattat tcccaagtgc cgcagcggtg 360

tctagtgcgc aaagggacgc ccacgcctat nanctggacg tgttctaccg atnntgtgtg 420

ttccccagtg gagaccagga ggcaaatgtt ggcgtgaact cttgtggttc agttctttgt 480

gca 483

<210> 9703
<211> 510
<212> DNA
<213> Rattus norvegicus

<400> 9703
gtgttatcaa tgcttccagt gccacctaca gtcggcccaa ccttcagctt tgaattggat 60

gtggaagatg gagaagttga aaattacgaa gccctgttaa acctggcaga gagactggga 120

gaggcgaaac ctcggggact gactaaagcg gatattgaac agctcccttt ttacaggttc 180

aaccctagca accaccagtc agagcagact ttgtgtgtag tatgcatgtg tgattttgag 240

tcaaggcagc ttcttagagt cttaccctgt aaccacgagt tccatgccaa gtgtgttgat 300

aaatggctta agggaaatcg tacttgccca atttgccgag ctgatgcttc tgaagtgcac 360

cgggattcag agtgaccagc ctaagagcac agatttagtt tgggtgttcc tcatcacatg 420

tatatatgga ctatccactg aacttaacct gtgtggcttc cagccctccc tttaccaaaa 480

gggtcaatgg acctttcttt gcactgtgtg 510

<210> 9704
<211> 478
<212> DNA
<213> Rattus norvegicus

<400> 9704
gaagttcttg gcaagcccga ggttaaagac ttggaatact tttctgaaca ttttaaatgc 60

agctgtttta gcaaaatgac atgtgaggag acatctgata tgcgaagtat acaagatgtg 120

aatgtgtgca tgggtgacaa tgtttgtata aaagccacgc taggacccaa ctcagcattc 180

cacctcctac ctggcaaagg cctcctcctt atgacaacac ttgctcacat cttgcaccat 240

ctaccacatg atatttttgt ttttccgtgg aagatgctag tcagtactcc ttagttttct 300

ctatccagag catttgctat attatttttt tgcaggcctc ggtaatttgg gattatgaat 360

gtgattctat tttgcaaaag caattcaatt ttaataatca agattctatt tttgagtttc 420

aaagacaaat tatatactct tccaccaaag actgattgca agcaaggcta ctgaactt 478

<210> 9705
<211> 513
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<400> 9705
agggaacctt gggagctaca gcgcttacag ccagacggga tgcgtgcctt cctttctcaa 60

gaaagaagtg ggatcagctg gccagaggat ccacttggcg cctctgggtg cgtcggctgc 120

cgactatacn tggagcacaa aaactggccg aggccagttt tcaggacgaa cttacaatcc 180

cacagccaaa aatctcaata ttgtgaaccg cacacagcca gtcccctcgg tgcacgggag 240

gacagactgg gtggctaagt acggaggcca ccggtaggag aagtggaagc ctgaagcatt 300

gctccgtaga ggacaatcac gccccttgat cctgggagac gtctacagag tctatttcta 360

ccgagttcca caggacgcac acaaccgtgg gcgcctcaga gnccggaagt cagctcccga 420

tttcttcctt ttccggaaat gcaatgcatt ttcttaactt gtggccagca gtgctgatgc 480

agcaccgtgc tgaaactttt gagcgggact ttt 513

<210> 9706
<211> 535
<212> DNA
<213> Rattus norvegicus

<400> 9706
aaggctgcct atgagagtct gatactagat gggcttttta tggaaattct caatgactgt 60

tctgatgtgg atgagatcaa attccaggaa gatggttcct ggtgccccat gagacctaag 120

aaagaagcta tgaaagtaac cagccagccc tgtacaaaag tagaaagttc aagtgtcttt 180

agtaaacctt gttcagtgac tgtagccagt gatgcaagca agaagaagat tgatgttatt 240

gatctaacaa tagagagctc ttctgatgaa gaggaagacc ctcccgccaa aaggaaatgc 300

atctttatgt cagaaacaca aagcagtcca accaaagggg ttctcatgta tcagccatct 360

tctgtaaggg tgcccagtgt gacttcagtt gatcctgctg ctattccacc ttcattaaca 420

gactactcag taccattcca ccacacgcca gtgtcgagca tgtcatcaga tttgccagga 480

gaacaaagaa gaaatgatat taataacgaa gtgcagcttg gaacatcttc tgata 535

<210> 9707
<211> 548
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<400> 9707
gaagtggctg taacctagac tccgctcgtt tccgttacct gattggagag aagctgggtg 60

tcaaccnttc gagctgccat ggctgggttc ttggagaaca tggggactcc agtgtgccca 120

tatggagtgg tgtgaacatt gctggcgtaa ctctgaagtc actgaaccca gcaataggat 180

ccgactccga taaggaacag tggaaaaccg ttcacaagca ggtggtggat ggtggctatg 240

aggtccttaa cctgaagggc tatacctctt gggccattgc gctgtctgtg actgatatcg 300

ctgcatcaat cttgaagaat cttaagaggg tgcatgctgt tactacgctg gttaagggct 360

tatatgggat aaaggaagaa atcttcctca gtatcccgtg tgtcttggga caaagtggca 420

tcacagacct tgtgaaagtc aacatgaaca ccgaggagga agctcttttt aagaagagtt 480

gcgacatact ctggaacatc cagaaagatc tgcaattata aagtctgcac cttcgactgt 540

ttgataac 548

<210> 9708
<211> 568
<212> DNA
<213> Rattus norvegicus

<400> 9708

gtggaataca ttgtccccta tgtcgcggaa gtgtgactag aagagaaaga gcatgtccgg 60

aacgggccat agatcttgaa aatatcatga ggagggtttc tggtagctgc agatgctgtt 120

caaaaaagat taaattttat cgcatgagac atcattacaa atcttgtaag aagtatcagg 180

atgaatatgg tgtctcttct gtcattccaa atgttaagat ttctcaagat tcagtaagga 240

gcagtaatag gagtgaaaca tctgcatctg ataacacaga aacttatcaa gaggatacaa 300

gttcttctgg gcatcccacc tttaagtgtc ccttatgtca agagtcaaat ttcaccagac 360

aacgtttatt ggatcactgt aatagtaacc acctgtttca gatagttcct gtgaatcttc 420

agctagatga ggaaacccaa tatcaaactg ctgtggaaga gtctttccaa gttaacatgt 480

gatgtgtgta gacatctctg cctccttgct acctacaagt gccatcttta aggagaagac 540

atgaagtcac cgttttcagt aatttgct 568

<210> 9709
<211> 474
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<400> 9709
aaaggaccac ctccacaatg tgatggncca tctgcagcag gagaacaaga agctgaagaa 60

cgagattgaa gagaagaagc taaaggctgg gancccgagg atctgtgcca aggtcctagg 120

cccgtgcaaa ctggagccgt cccagaaggg aaagctgtgc ggtgcactgg gctggagagg 180

agtatgccag gacccactgc cgaaaatgga cctcaccaag tacaccgggg tgcctcactg 240

ctcaggatcc tcctattgct agacttggct cttcacccta agcgtctctt ctacacgtat 300

acagaggacc gtgagttccc gcccctcttt cttgaccgga atcagctcct acagtcgtcc 360

gtcaaggccc ctgcctcgtt tgcaccatgc tcatgcatta ttgttttgcc tacttcctga 420

agtggagttg tggtacctca ctccccccag actctgggcc cagactctga aata 474

<210> 9710
<211> 521

<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<400> 9710
gacctgtagg aacacatctg gcattctagg attttctgta actgttggga ctcaggcaac 60

caaatacaac tctgaaactg ttgacaagaa gatagaagaa tttctttcca gctttgagga 120

gaagattgag aacctcacag aggatgcatt caatactcag gtcncagctc tgatcaagtt 180

gaaagagtgt gaggacaccc acctcgggga ggaggtggac aggaactgga atgaagtggt 240

gacacagcag tatctctttg accgccttgc ccatgagatt gaagcgctga agtctttctc 300

aaagtcagac ctggtcagtt ggttcaaggc tcacagagga cctgggagta aaatgctcag 360

cgttcatgtt gttggatatg ggaagtatga actggaagag gacggcgctc ccgtttgtga 420

ggatccgaat tctcgtgaag ggatgcagct aatctacctg ccaccctctc ctctcctggc 480

agagtccacc acccccatta ctgacatcag ggccttcaca g 521

<210> 9711
<211> 528
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<400> 9711
gacaacccca accagagtga cttgattgag caggcggccg agatgctcta tgggttgatc 60

cacgcccgct acatcctcac caaccggggc attgcacaaa tgttggaaaa gtaccagcaa 120

ggagactttg gctactgtcc tcgagtatac tgtgagaacc agccgatgct tcccatcggc 180

ctttcggaca tcccaggaga ggccatggtg aagctctact gccccaagtg catggacgtg 240

tacacaccca agtcctntag gcaccaccac acggatggcg catacttcgg cactggtttc 300

cctcacatgc tcttcatggt gcatcccgag taccggccca agcggccggc caaccagttt 360

gtgcccaggc tctacggttt caagatccat ccaatggcct accagctgca gctccaagcc 420

gccagcaact tcaagagccc agtcaagacg attcgctgag tgccctccca cctcctctgc 480

ctgtgacacc accgtccctc cgctgccacc ctttcaggaa gtctatgg 528

<210> 9712
<211> 551
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(59)
<223> n is a, c, g, or t

<400> 9712
gcatgattca agttcgacct ggccatgcat tgcccatgng tgaacgtagc ggcacccnng 60

tgcgtctact gcagatgtcc agctaggaaa gagtcccctc tcttggacag tcttctgggc 120

ccttccaagc ccatccgtgg agtcggcctc tcctcccctc tcccccgtgt gaagtgtgtt 180

atcaccagca gacactgccg gactcctgcc cacaggggcg tggcctgaag ggcgagtgtg 240

gacatggcac tgctgttccg ttcccttccc ctcccagcac ccgccgcagc ctgccatccc 300

gtctggatgt atcgatgcca cagaattgtg aattgtgtgt ccgtccgtgg agccagtcct 360

agccacatta ttgacagtct tgcattttgt tttgtctcct ggtggtgggg gtggaggtgg 420

taggggtgcg ctaaggtggg cagtcctgtg ggagaacatc ttgctagaag gaaccaaccc 480

acgaaacaac accatcactg gaatttccca tcgcccgaat tctttagtga gccattgttg 540

tacgtctagt a 551

<210> 9713
<211> 191
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<400> 9713
gccaaagaac catgaaccaa agccatgaac caaaataaat cntcactcat ttcagttgta 60

tcaagtgttt tgtcccaaca gnggatacta acactcatgg gtaatggctt ttgtctatat 120

gtatgtatgt ttgtaaaagt gaatattata tatctatatg catactgtgt gctcacaata 180

tcatatacat t 191

<210> 9714
<211> 180
<212> DNA
<213> Rattus norvegicus

<400> 9714
tctccaaaag ccaggcggac atcctggatc ctactcagga tgaccaaaag ccattaagtt 60

cagataacat cgccttacca cccaacccag acaccactga ctaggtctac actcatcata 120

acaaaggacg agaagaggag gatttgggga ccagctttgc tctcctctgc ctcagcatgg 180

<210> 9715
<211> 120
<212> DNA
<213> Rattus norvegicus

<400> 9715
agagacccta gacttgggac aaagagcaac tcgaaggctc caggctccac aaatgacaaa 60

gtgcttgagg ttacagaaag aagactcata ttcttgagtc gtcttgagag actcaagagt 120

<210> 9716
<211> 215
<212> DNA
<213> Rattus norvegicus

<400> 9716
gatggcgttt caggtatcag tgacaggctg aacccagact cccagggccc atacttccac 60

ctgatgaatg atggcctgaa ctatgagcaa acgggactat atgaacactt cggtgcagga 120

gcctcctctt gactactcct tcaagagcgt ccaaatgatt caagatctga taagcgagga 180

gccaaggaca ggtctacgac cagtgaagta ttcaa 215

<210> 9717
<211> 216
<212> DNA
<213> Rattus norvegicus

<400> 9717
gacttatccc gagcaagtgt cgagaacatc aggagcccat gttgttgtca agctatctac 60

caccgaaagt gtatccagaa atatgcccac acgtcagcaa agcacttctt caagtgcccc 120

cagtgcaaca accgagaaga gtttccacag gagatgctga ggatgggaat ccacattcca 180

gacaggcggt ggcgcctcat tttgtgtgcg acatgt 216

<210> 9718
<211> 452
<212> DNA
<213> Rattus norvegicus

<400> 9718
gtacatggac cagcttcatc gatatacaaa gctttcttac cgggtggtgt ttcctttaga 60

actccgtctg tttaacactt caggagacgc aaccaaccct gacagaatgt atgacctggt 120

cgctgttgtg gttcactgtg gaagtggtcc caatcgaggc cattatattg caatagttaa 180

gagtcatgat ttttggttgt tatttgatga cgacattgta gaaaaaatag acgcacaagc 240

tattgaagaa ttctacggac tgacatctga catctccaag aactctgagt ctgggtacat 300

ccttttctat cagtctcggg actgaaaggt gccgcagtgg aaagaagctt ctgcttgctt 360

ctctggttgc ttccgaaagg atcgagctga tgtttaagaa gagagaaaga gagacagaca 420

gacgcaggac gctcagggca gtagctcact tt 452

<210> 9719
<211> 298
<212> DNA
<213> Rattus norvegicus

<400> 9719
gaaagtatgg aatccagctt ctctctgaac gccatcgagc catgtgtgat ttgccagggg 60

cggcctaaaa atggttgcat tgttcacggc aaaaccggac acctgatgtc atgtttcacg 120

tgtgcaaaga agctaaagaa gaggaataag ccctgccccg tgtgcagaca gccgatccaa 180

atgattgtgc tcacgtactt caactagacg gcgggcagac gcagaccttt acacttctaa 240

tgtatgaccc ccaaattaga caacatgggt attattttca tacattaaag ccggagca 298

<210> 9720
<211> 337
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<400> 9720
cctttgaagc ccgattactg tgtgaagcan gccatgaagg ccatcctcac tgaccagccc 60

atgatctgca cccctcgtct catgtacatc gtgacattca tgaagagcat ccttcccttc 120

gaagcagtcg tgtgcatgta tcgatttcta ggagcagaca agtgtatgta ccccttatt 180

gctcagagaa aacaagccac aaacaataat gaagcaaaaa atggaatcta aagtgctttt 240

gtacggagtg ccgtttctgt caggatggtt ggtccgtgtg catcagcagt actgaacgtc 300

tggattcgaa ccccatgccg actgtttttc taatcaa 337

<210> 9721
<211> 273
<212> DNA
<213> Rattus norvegicus

<400> 9721
ggtgcatctg ctcatggact tcggagccaa tgctcaaacc aagaatgcag atggcaaacg 60

tcctgtggat ctggtgcctc tggagagtcc tgtgattgag atcttcttac agagagaagg 120

gcccctctct ttgatgcagc tatgccgttt gagaatccgg aaatgctttg gcattcggca 180

gcatcacaag attactggac ttcttcttcc ggaagacctg aagcgcttcc ttttgcacct 240

ttaattgtgg agggactgga tccacaagca act 273

<210> 9722
<211> 267
<212> DNA
<213> Rattus norvegicus

<400> 9722
aaattcaagt ttctgcggga gctggtggga gacacaggat cccaggaagg agataatgag 60

cagccttcag ggtctgaagc agaagaagac ccttcggctt ccccacacaa gatgagatct 120

gctcgtcagc gaaggccgcc ggttgacgat ggccactgag tggagagtga gcagcagctt 180

ccgagtgtgg tctggggcag ttatgagctc cgtccttagt gacctagctt cgaaagttac 240

taagtgacca aggaacattt gcaattg 267

<210> 9723
<211> 466
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature

<222> (43)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (220)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<400> 9723
gaacaacatt ccagctgaca tcgtctttgt tttaaaggac aanncacaca atatcttcaa 60

gagagatggt tctgatgtca tttatccagc caggattagc cttcgggagg ctctctgtgg 120

ttgcactgtg aatgttccta ctctggacgg caggaccatt cctgttgtat tcaaagatgt 180

catcangcct ggcatgcgga ggaaagttcc tggagaangn ntnccctcc ccaaaacacc 240

tgagaaacgt ggagaccttg ttatcgaatt tgaagtcatc ttccctgata ggatccccat 300

ctcatccaga accatcctgg agcaggttct tcccatatag ctgcctgcat tcctcaagga 360

ctgagccagg gacctttcca gagctgcaga tttccagacc gttccactgg ttgcatactg 420

cgggagggcc cagggagggc ttttgctctg ccgaatgttt tccaca 466

<210> 9724
<211> 367
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<400> 9724
gggcaaccca cgtctaccgt tatcacagaa ggaagcctgc agaagtgcac gtgtgctcag 60

actcggggca cagggaagcg caaagaaact gcagaggaga gacatctgtt ggtccaggaa 120

gcatctatca aacatcagag cattctcaag agtcatcttg gcctattgag aacatctcta 180

aggacctcta catagaagtc tatccaggga cctattctgt cactgtgggc tcaggtgcct 240

taagcaagaa nacgcatgtg gttgcagttg actcggggca aagtgtggac ttggtgttcc 300

ccgtatgatg ttgacatcac tgccatcatt tcactctaag aagaagaata aaaccaccct 360

ataactg 367

<210> 9725
<211> 72
<212> DNA
<213> Rattus norvegicus

<400> 9725
agaggagaga catctgttgg tccaggaagc atctatcaaa catcagagca ttctcaagag 60

tcatcttggc ct 72

<210> 9726
<211> 495
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<400> 9726
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aaggaatcac gggaagaaaa ctggcaagag tggagacaga gagacgagca gntgacctct 120

gaaatgtttg aagccgacct cgagaaggcg ctgctgctga gtaagctgga gtacnaagag 180

cacagacagg attatgaaaa tgctgaaaac gcttcaactc agacaaaagt tataaataaa 240

aaagataaaa gaaagaacca tcagggaaag gacaaacctn tcacggtgtc actcaaagat 300

ttccagtgtg aagatcatat tagtaaaaag acagaggaat cgaattcttc tcagccttta 360

tcacatgatg gaggcttctt caatagactg gaagatgatg ttcataagat tcttgttaga 420

gaaaaaagga gagagcaact tacagagcac aacggaacag acaactgtcc tgccccagag 480

cacaaccagg aagtg 495

<210> 9727
<211> 44
<212> DNA
<213> Rattus norvegicus

<400> 9727
gacagaggaa tcgaattctt ctcagccttt atcacatgat ggag 44

<210> 9728
<211> 388
<212> DNA
<213> Rattus norvegicus

<400> 9728
gagggagagt caaaccagcc actgccaccc caaagctgtg caagtgaccc cacacttgcc 60

cagtctagtg aaggtggaga cagtcagctg cctgcagcca ctccactagg agatggagct 120

gagaatgaag cacagtcttc gttgtaccca gaggagccca gcacccggat aggcctggaa 180

gatattgaat ttggcttgga ctgaacccca aggcagtcta cactgttagt ctagcagtgg 240

tgcagcggat gcagggcacc ctcttctatg tatccctgct ggtttgctcc ggcaccctgc 300

atggcaggtg ctgtgcagct acaccagtgt gcctgccgtg tacccaacac atcggtttcc 360

cctggttaca gatcccacga gaacataa 388

<210> 9729
<211> 383
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<400> 9729
aagacggtgg agtgtattca tcttctggct taaagcagat tcccattaaa tggacagcac 60

cagaagcact gaattatggg agactttcag cctgggagtc tgtccgtacc ctgggatgac 120

aaaccagcaa gcacgggaac aagtggagag agggtatcgg atgtcagccc cacagaactg 180

tcccgaggaa atttttacaa tcatgatgaa gtgctgggat tacaagcctg aaaaccgccc 240

taagttcagt gaccttcaca aagagctcnc ggccatcaag aagaaaatca catagtgcca 300

cccagggnta gactccacct gcgggactct gtcctcagtc accctgactt tataccncct 360

tactgcaacc atctttgaag gtt 383

<210> 9730
<211> 368
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<400> 9730
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gccaactacc acgtcctgng cactggctgc ttccccttca tcaagtacca ttgctccaag 120

gcgccctggc aagacctggc cgcgcaaaac cgcttcttca ccgcgctcaa ggtcatcaac 180

atgggtattc caactttatt atatggactt ggctcctggt tatttgccaa agtcacagag 240

actgttcata ccagttacgg accaataaca atctattttc taaataaaga agatgaaggt 300

gccatgtatt gaaaatgtgc attggaaaac actaatgtca atgaatttgt tcctctctgt 360

gtgtatat 368

<210> 9731
<211> 413
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(48)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(262)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(279)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(286)
<223> n is a, c, g, or t

<400> 9731
ttggtgggcc tagagcaagt tgactaagcc tctgcaaacn gnnnnnnnga aaatttacga 60

aaaagcctat tggagttgga ataatcgcc tgtggaaatg tcacggacaa cggcgtcatt 120

gctttgcgac actttaagaa cctcaagtat ttgttcttaa gtgatcttcc tggaataaaa 180

gataaagagt accttgccga agtctttact aaagcactgc cttctctgga actaaaatta 240

aacctgaagt aaaataagtg nntnnnntna nnannaanna nnnnnngaaa ttgctgatac 300

tagatagcta caaatattac ataatcagca gtagaactgt gaaaatgact tagaaatgga 360

gaatggatca ggaagagaat aaataatcag aagtcactca ctgaagtcac tta 413

<210> 9732
<211> 433
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<400> 9732
aaaccagtca gttttggtac cactgaaggt acagttgtga ggacnctcag ttacaggtgg 60

cagcatgaag tgacactgtg tgtcctactg caggatactg gaaaggttcc ctcctctgca 120

ctgagatcac cctgcagcat cactgtgagt tgcttgctct gtgctgctac ttgggcggca 180

ctgcccattt atttatattt agattgtaaa cactgctgct ggtgattgtt ggtttaaggg 240

acagaacttt taagtgttca agccacctgt acaattggac tttttatttt aacctttccc 300

acacaagcaa gtttttatat ttntaccaga aaagtaaaaa tctttttaa aagtgttgtt 360

tttctagttt gtaactctta ggagttcttt ttgtgccaga tacattccgc cttcccagta 420

ttgcaggact gaa 433

<210> 9733
<211> 290
<212> DNA
<213> Rattus norvegicus

<400> 9733
cttttggtga tgatcgtgct gggctggata ctttttgttg gccttgcgtc ctacatgggc 60

acatttccag aggcgatgcc tccaactcta aagtggaaag agaggctgtc tgttcgggag 120

aacaaggcac gacgaagggc tcaagctttg gaggaggagc tgctgctctg agtgagtcag 180

gaacgatgtg gaagggatat aaatatcccc caggagggac ccctctggaa gtaaacaaag 240

atgaccctgg tgaacccatg cagctgtgaa gatcgcccaa ctgcacagtt 290

<210> 9734
<211> 292
<212> DNA
<213> Rattus norvegicus

<400> 9734
atggtgagat agctctttgg cctttgcttg taattgagaa acttcaacgt taagccttaa 60

ctacctttcc tgtcataaga caccttagtc aactacgtgg tactcctaaa tcttttaagg 120

tgatctctgc tcactgctaa acagtccatg atgtacttgg ggaaggctct cagggattca 180

ggatacccac agaacataaa ttatctttac tgtatctacc agtaggtgtg gctgaccttt 240

ctcttaactg taaatgttat gaaatataat ctggtggcca gcgagggtac ct 292

<210> 9735
<211> 472
<212> DNA
<213> Rattus norvegicus

<400> 9735
aagaactcta ttcagctggg aacctgacag tgctatcagc cgacccctg cttcaccaag 60

acccagttca gttagacttc cactttcgtc ttacccccca ttcctctgct cattggcacg 120

gccttctgtg tgaccaccaa ctcttcctgg atatcccatt tcaggccttg gagcaaggca 180

accgagaaag tttgacagca acactggagt atgtggagga gaaaaccaat gtggactctg 240

tgtttgtgaa cttccaaagc aatcataagg acagaggtgc cctgcttcga gcctttagct 300

acatgggctt tgaggtggtc agaccagatc atccagccct ccctccctgg gacaatgtca 360

tcttcatggt gtatcccctt gaaagggacc ttggccagcc tggccagtga gcctccctaa 420

acatgttctc tctctgtgag gggttgaaaa cctcaacaca cgggactctg gg 472

<210> 9736
<211> 260
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<400> 9736
tgcggagcag cagcaggcac agactgagct ggcctccgcc ttccactgga tccaccacca 60

gctggaagcc agcaactgtg tgggtgcagc tagcgtggcc ccacccctca cactgcctag 120

cccaggccct ccctccccac ntacactttg tcccctggcc agcccaaacc tgcaggccct 180

gctggaacac tactcggagc tgctagtgca ggcagtgagg aggaaggtga ggggcgactg 240

agaggctgca gcccctctac 260

<210> 9737
<211> 329
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 9737
gcctttcagg agtcaagtgg aagtcatctt ccctttttcat aatacttcag tgtctgataa 60

aaaaagtact tggtttactc aaagtattnc catntaaagt cataggaatc cagttcccag 120

aaattttaag caatggcaaa tctatttgga aatttttgct ttcactgata cagagagcag 180

tctatatttt gaacacttac agaaagtcat taatagaaaa tggactgtac tgtgtgctgt 240

tggatctttc aagattttca ccatggcttt ttttttcctc cagaatactg taatttagat 300

aactgagcac ttttccttac attgactgt 329

<210> 9738
<211> 439
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(412)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<400> 9738
gtgtctgctt gcttcaaccg aggattctgt atctgaaaac ttgggtgaca ccccctgttg 60

cagcagcacc ttctgccccc acgagccttt cntaagggcc accagcctgn aagagaatcc 120

aggctcttcc tggaccaact ggctacaacc ttccctgtta gaanagcctg agtcctctag 180

tggaagcagc tgccagtcct ggcgatccaa aggaatcaaa gtcactaagg attgcaaaaa 240

gtccaagtaa tagcctcaga gtggttcctg cccaggncag tgaggtacga gagacccttg 300

ccgcatcagt ttggagaggt agcactttga aaccatgaga cagaangggc caggtnaaga 360

ggtctcagng gtcactgtgt gcgccagcag gggagtgtaa gngcctgtcc nncngaatgt 420

gattctcctg tgctttctc 439

<210> 9739
<211> 281
<212> DNA
<213> Rattus norvegicus

<400> 9739
aggaccacgg acatgagctt ttacaactgg gacagtcata ttgctgtttg caattcaagt 60

ccaaattacc aggtgattgc tgacaacccc gaaggcttac ttttcaaata taagagagac 120

agaaaaatcc tcaatgtgga cccaaaggcc catccaggtg acaactcgac ccggatccct 180

atccagacag acctctacac acatgctgtt ctctttgacc acgtttcccg aaggaagact 240

taaacactgc acagtaaatg gcttccttat tgtttgctac a 281

<210> 9740
<211> 486
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<400> 9740
aaacaagcct cgagattgca gagctgaagg agagnttaaa agcangtcgt gaanctntaa 60

attgtttaaa aaatgaaatc agaaagcttg aagaagacga tcagacaaaa gacatatgag 120

tcaactgcag agcagtgggc gccacaggag ggcaagctgc agatgctggg gcgtttctgg 180

gaggagctct cagagagcac tccaggtcct cactctgtca ggccgtcgtc cctggagcac 240

atcagtgctc taagacttga tgctgtgtag cagtccacta tgttaagcac aacttttaaa 300

gttttgtttt tgtttttaa attgaactat atgtatagtt tattttcctt cgggcaggat 360

tgaaaattct gttataaagt cttacttgtg cagactttgt acttctctac tatagaatta 420

gtgattagta tggtgtgtta gttcttcagg ctcacgtctg ccccggctac ctcttttgta 480

tatgat 486

<210> 9741
<211> 527
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature

<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<400> 9741
acctcagctg tctgccaaga gatggccctg gaggccaaaa ggatcaggcc caagaagata 60

ctgggggatc acaaactcag aggaagaagc acatcaaact ctgggctgag aagcagaatg 120

ccctaaatct aggggaccct cttgggacac ggctcctccc tggtatgggc cagctatagg 180

caactcangt aaaagacctg agaagcaggt tgggtggcag actttctacc cacacagctc 240

tggtggtctc tacagtctgc ctgtttntaa cagcatgggc ctcaggggct gggaccccca 300

gtctagaccc catgcagcca gtttaagcca gtttaagtta acagttaaac ttttgttgtt 360

gcggtgttgg gaactgcatc cagggcctct tccgttccca tatttaaaca catttatagt 420

ttcctataga aaatgtcccc aggttcctgg attcctggta ttttatgtac acacccatac 480

agatctgatg gaaaaggaag cagaacctga aatttgcttt ctctctc 527

<210> 9742
<211> 481
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<400> 9742
agagccacaa ttgatgctac ccgcaccact cgtcatctgg aggaaactat tgncaatttt 60

gnaaagcaga aaataaagga cataaagaac atattatctg agtttatcac aattgaaatg 120

ctatttcatg gcaaagcttt agaggtcctc actgccgcct accaaaatat acaaaaaatt 180

gatgaggatg aagacttaga ggttttccga aattctctgt atctatcaga ttatccatct 240

cgtttagata ttgtaagagc aaattcaaag tcacctcttc agagaccact gtcaactaag 300

tgcacatctg gaactggaca ggtagccacc tgtcgaacaa aaaaggatca acatgtagaa 360

gatgaggatg atgaagaatt agatgttaca gaagatgaaa actaatttat aaaagaattc 420

acatttctgt tttcatgtca tatgacttga aatgtaggat cactttatac tgacttgcaa 480

g 481

<210> 9743
<211> 278
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (65)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<400> 9743
atgaggagcc ggcacaagtc tacgccgaag gaccacgacg acactatcct tcagatgttt 60

ctacnnnnca gtctatggag aaacgtatca attacatgca aaacctaaag aaagagaaga 120

ggaaattggg gaaaaggttt gcaaggccta ccccgattcc agatccagga atcctgtggc 180

cataggcctg gagtcttcta gaagaaacca ggctccagac caaaatatgt ggacttctga 240

cattgaccaa cnggtcatgg cttgacttca tctgaaaa 278

<210> 9744
<211> 436
<212> DNA
<213> Rattus norvegicus

<400> 9744
gctgaattcc tgagaaacac cgaaatgggg gtgataaatt cgaagttaca ggaatttcac 60

acggctgatt caaaaagtgc caccacccaa gttgggaaga aggaggagaa atcgaaattt 120

aaggtcaagg taactaagaa accagtggct ctgaagagat tcgatcaagc ctttgtgaaa 180

aagccactcc ccacaagagc tcagacaccc ttggttaagg tgaagaaatt aaaaaagcca 240

caaagattag gtctttacca tcggctcaac cagaagctta accagaatgt acaggatgaa 300

gttgaccaaa gcgaggacag cagtaccagc agcaccacca gtgccgacct ggatagtcag 360

tgaagcaggc cagaaacctc agaaccacct gtcacatgtc cagaggtctt ctccccgacc 420

aatgggcaac tgtaaa 436

<210> 9745
<211> 394
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<400> 9745
tagctgagct ggctctgaag gccactctgg tcgagagctn tacttcaggt ttcactccta 60

gtggagctgg tgcctcggta tccatgattg ccagtagaaa accaacagat ggcgcttcct 120

catcaaactg tgtcactgat atttctcatc ttgtcagaaa gaagaggaaa ccagaggaag 180

agagtccccg gaaagatgat gcaaagaaag ctaaaccaga accagaggtg aatggaggca 240

gtggagatgc tgtctccagt ggaaatgaag tttcagaaaa catggaggca gaggctgaga 300

atcaggctga gagccagaca acagcagaag ggacagtgga ctctgcagct acagttaaaa 360

gcactgcatg ttaagaggcg agcagaacct tcct 394

<210> 9746
<211> 200
<212> DNA
<213> Rattus norvegicus

<400> 9746
tgcagctcca ggaggcactg ctgaacctca tccagaatga cgacaacttc ttaagcataa 60

tctacgaagc ctatctcttc agcgtgacac aagccgccat gagaaaagcc acgtgaccag 120

ctacctgaga gcaaagactg agaactagtt ttccggggtc ttcctgtgaa ctggtgtgac 180

caaacacatt tatgcctttt 200

<210> 9747
<211> 70
<212> DNA
<213> Rattus norvegicus

<400> 9747
attcaagaat tcctcccaaa gaacatcatc ctaacagctt tgaattcctt aaagccattt 60

tgaactgagt 70

<210> 9748
<211> 478
<212> DNA

<213> Rattus norvegicus

<400> 9748
agcgtgctgg tctgctgcct agagacagat ctgagaactg ttttcatctc tgtcaaatgt 60

tatctccttt tctagtaagt ttttgtgaga tttcaaatta ttaaaattac ttcttaagga 120

gtagctacta cctcatcctc cccaactgac tctttcagtc cccatcaaaa cctgctctaa 180

ctgctattcc agttaacact ctatggcttg cttgtttaat aacatcatgc acttgtgctc 240

aacccaagta tcagaaacgc gactcgcggc tttgagaggt gattgtgata ggtctgcttc 300

tcatctgcag atacaatgca gcaactccaa agtattaaga tcacactaag ctgaagatgc 360

acctttgccc tggttagcaa cgcaaaaccg tatcgtcata catgccaagg ccttagcgtg 420

tagatgtctg tacaccggca cagcgaatga gctcactgct aatggctgag ttgcttat 478

<210> 9749
<211> 289
<212> DNA
<213> Rattus norvegicus

<400> 9749
gtgagaattt atacaaaccg ctatgaaaca aatgaagagg acaggaccct acgggaaatt 60

tacaggaaat acagaaagct gatcgattca gaacttaact attttgtcat cgcctacccc 120

atgatgtaaa gcgtgctctc cggaggaaga catctagatg cactttgaac ctgaattaca 180

tttggggctc ccatgcccga atccctttc cttctctctc ctttagccag ttccacacca 240

tcacgaccag aattgcgaag gctggactgt tggtgatggc caggcccca 289

<210> 9750
<211> 295
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(206)
<223> n is a, c, g, or t

<400> 9750
gtgttcaagc ccagatgcct gctccaggcc aatggacaac gccgcccttn gacccgcgct 60

tccctaacca aaaccagacg ngtaactgct accagaattt tctggactac caccggtgtg 120

tgaagaccat ggatcgccgc ggaaagaaca cacaggcctg cgactactat ttccgtnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnngtgc agcgctggaa tgagcagatc aagcagggaa 240

ctttcccagg caaaatctga ccttgcactt gagcgctgct ccttggtggc atcaa 295

<210> 9751
<211> 399
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<400> 9751
atcgagccag gctgcacagt gacggtcgcc gccatgctgc agccctcntg ctgcggcccc 60

agccaggagg tcaagcacaa gttcatggtg cagacagtgt ttgctcctcc ggacacttca 120

gatctggagn ccgtgtggag gggggtaaac cccggggaat taatggattc gaaattaagg 180

tgtgtatttg aagcgccgac agaaagtgac aaactggaag atggcttgag actcagaaag 240

gtagcgcatc ctgacaagcc aggaccctcc tcctgcacgt ccttgaagaa gggttatacc 300

acgcctcttc ctgttgttct gctggtgatc ggagcagttt tctttggatt ctttctaggg 360

aaactcgtct tgtagagtga ggcacgcaca gcactatac 399

<210> 9752
<211> 407
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (80)..(81)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (85)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<400> 9752
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agggaaattg aaggccttcn ngagnncnnn ngncngctca gccgtgagct ccgacttcag 120

atgctcatca ttgataactt catacctcag gactaccagg aaatgattga aaactacgtc 180

cactggaatg aagacatagg agaatggcag ctgaaatgtg tggcctacac aggaaataac 240

atgaggaaac aaactccagt ccctgacaag aaggagagag acccatttga agtagacctt 300

tcccacgtgt acctcgccta tacagaggag agtttgcgtc agtctctgat gaagttagaa 360

aggccacgga cctccaaggg aaaggccagg ccaaagaccg gtagaag 407

<210> 9753
<211> 393
<212> DNA
<213> Rattus norvegicus

<400> 9753
gtggacagtg tctagctcag gagcttcagt ggcaccagca gcaagcagag gggactgctc 60

tacagcctca cttcaggacc cctcacccca gtggcctgca gacctcaatc tgtccctctg 120

aacttcaggt ctccagagga gagctcactg aagttagggg tgcaggcagg gagaggcttg 180

ctctcctcat ttgctcagga gttgcttggg catccccatc tccttttccc acgaagagga 240

ccctgatctg gtttttatct tgagaagggc atgaggtagt cttcatgtct gtgcccatga 300

aagatgaagg atctccttcc caacccttttg tcaccatgtt cttccggggc caggctctgc 360

cgaaatgcta ggatagccag attctcaccc agg 393

<210> 9754

<211> 543
<212> DNA
<213> Rattus norvegicus

<400> 9754
gtgtgtggag cttatagtct gtactaagga cggttaatag atggtatttt ttctatttct 60

gaagaaagtg gctttatttt actctctttt aaacatatac acaatagtca caaatgtcga 120

atgctgaaga gccctctccc cctgctgtca gcaagtcata cagacactca atgagttcac 180

gattcaactc cacgcacaac cgctactatg gctaaggaag gcattactgc tggaggtgta 240

atggacgctg atactgccta acaggagccc tgaagaccac cttcatccga gagggcccag 300

catggggttc atgcagagct gagctgccaa agccttaagc aagtgcatgc ttgaacccag 360

ttgtgatgag cctatgcgtg tcaagttgtt ggaggagctt tgtgcgagca tgaagatcaa 420

cctaattagg catctgaaaa cgggagagga accctataaa cttggttgtg gtgtgttaag 480

gacgccaatt gaagactact tcaaatgcaa gaaataaaac tggctttatt ttctcaacaa 540

caa 543

<210> 9755
<211> 474
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 9755
tagagagcac ttgagcccaa cacgtgccac ctctcgagtc ctcagggtca cttggttggc 60

tggcccaata gaaacagggt tgacagtgac ctttcgagtg tggagaaggc ctatctatgt 120

gcagccccat gggagttagg tgcccagagg aacactggcg aaatggcagg agactcagaa 180

tcacagatga gcgtgtcccc actgttagat cccaattcac ctctgcaagt ggctctgggt 240

cctggtcgcg agagttggat tgttatgact tgtatctctc tgtagccttc atttcgtccc 300

tgtattcaag attctgccaa ctttgctgac tatagggtgt ttgctctggt catgngaacc 360

cagagttaga cgagcctggg tttgagggct gcattgcttc tcagtctgtt tcatttcctg 420

ccttggttct cggatgcggc cccagcactg tttacctcac acacttttga gcac 474

<210> 9756
<211> 530

<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<400> 9756
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agnagagtgg ggccttgcaa gggacaaggg ggccaatcat gtgcaagcca gtttttttcc 120

tctccaacng atagagcttc cattgccaaa tcttcagttg tnaccacttt cacctctcac 180

gtgattggtg gcgtnctggt tcctggttcc ntagcctgct ctagatgaca gactctgggg 240

gatgttctcg agaactcttc cctaacctat cccatccatt cacttccccc aacaaatgca 300

ctgatgttct gggagcatca tcctgacttc tgaactggct gccaccctag cttctttccc 360

tgcccacctg gacaaatcct ccgtagactc ttgaagagcg gagggaggcc agagatgccc 420

ctccagtgtc ctgacgttca ggctcttagg ccaccttaca ccaagtgcct tatggacctg 480

tggcctaggc catgtgatgc ccaccaagta tttttcattc tcctacctca 530

<210> 9757
<211> 352
<212> DNA

<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<400> 9757
tactgaccag aaccggcagc catttgaggt gcgtcagggt ccctgggccc aggcccgcct 60

gccatggccg tgnactagag gtgctgccca tggcggccgg cagcacctgg cgggccccag 120

gctgcgggcg gctcggactt ggccatggcc gctcctgttt ggaggtgtgc acgtgggtcc 180

catgtcccca gcaggcaggc gccttcagtc cgtctttaac ctcaccctcc aaatgttcaa 240

cggcagaagg gtttttatga ttttaaatta ttactgcttt gaaataaatg gacgtttgag 300

ccacgtgcgg ccatgcatga tctgtggaga gtcagcagaa ctgtcgccag gc 352

<210> 9758
<211> 305
<212> DNA
<213> Rattus norvegicus

<400> 9758
gagtaagtca tccaagccct cagaactcat gctgaaagat accctgtcag agactgtgct 60

acctgtgtgg gaaagctcca ccccaaatgt gagtcccata tttgtcccag aacctgaaca 120

attcgaaatg gaagccagag aggggcccac atcagactat aacaagatca ttttctccag 180

gatgcctgtg atgaagaaac tcccatatga cttactatgg gccagcaagg agacacatac 240

caaagtttag caaagagccc tgtagccatg gcctgagaac gtacaacagt tactctccat 300

ttgct 305

<210> 9759
<211> 432
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<400> 9759
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gaagagccgg cgccggtgct gtgggtacgt gttctgcatg tnacatcgcc tcccagagca 120

gcacgactgt acgttcgacc acatgggccg tggccgcgag gaagccatca tgaaaatggt 180

gaaactggac cggaaagtgg ggcgctcctg ccagcgcatc ggggaggggt gctcctgaag 240

gccaggcacg gccaccacac gacgctgttc ttagttcact aatgttagcc ttatttagga 300

caaagtcagc cagacacctt gtactgggca cgcgtcagac tacagccagc cgtcttcttt 360

ctttagccag ccatcctggt actgtagttt aggggttgat ggtggatgaa attgatgtct 420

ggctggttac ta 432

<210> 9760
<211> 201
<212> DNA
<213> Rattus norvegicus

<400> 9760
gtccacgatt ggcaggagcc acttcatgac taaagagctg cagggataca tcgaagggat 60

gaagaagcgc cggaacaaga ggctgtactg tttgtctcag tgaacctcca gctcaagtgg 120

ccgacgagac gtcctcccca tgtcctttcc gtccctcgaa cccaagctcg aacccaagct 180

cgaacccatc tgcatgaaat t 201

<210> 9761
<211> 495
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<400> 9761
tctttcttca ttttaccgtc aatcctaaac cccgagtcga gtacattgac cggccgcgat 60

gctgcctcag aggaaaggaa tgctgtatca ataggttcca gcaagtagag agccgctggg 120

gttacagtgg gacgagcgat cggatcaggt tcacagttaa caggagaatc tctgtagttg 180

nattcggntt gtatggatct attcacgggc ccacggacta ccaagtgaac atacagatca 240

ttgaatatga gaaaaaacaa accttgggac aaaacgatac tggatttagt tgtgatggga 300

ctgctaacac attcagggtc atgttcaaag aacctattga gatcctgccc aatgtctgtt 360

acacagcatg cgcaacactc aagggtccag attctcacta tggcaccaaa ggactgaaga 420

aagtggtgca tgagacccnt gctgcaagca agactgtctt cttgttcttc agttcccctg 480

gcaataacaa cggca 495

<210> 9762
<211> 256
<212> DNA
<213> Rattus norvegicus

<400> 9762
aagacccttg atgaccggct gctcaacatc cccatcaacg acattgtcca ccccaagtac 60

ttcaagatgg tgccaggtga ggggatgccg ctgcctgagg accccaccaa gaagggagac 120

ctcttcatct tcttcgacat ccagttcccc acccgtctca caccccagaa gaagcagatg 180

ctgcgccagg cactgctgac ctaattccgg gggacctgag caggaacagg gatggagagg 240

gctagctggg ccttgc 256

<210> 9763
<211> 371
<212> DNA
<213> Rattus norvegicus

<400> 9763
ggcgagctgt taacttgcac tgggatgtat taaattatga caaagccaca gacattgaag 60

aaagcagccg aggagagtca tccacaagta ggactttgtg gttaccattg tcagctctga 120

ggaacaggaa cttggtccac ccaacgcaac taacctcacc acggtttcag tgtggctatg 180

tgctattaca tctattcaat cggatgaggg cccatgaaga tgtttcggaa gataatggct 240

ctggtgaggt agtgatgaga gtgacgtctg tgtgacagat gtacatggca gcagagtgtg 300

gaaccctgca catttcggaa tgtaattgca atgaatggca aaaccatagc acttctaatt 360

gtacatccat g 371

<210> 9764
<211> 399

<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<400> 9764
agctgctctc cgtgggttgc agtgatgggg atgaaaaata cgagaagacc aaagttagca 60

gtggagatcc aacgttttac aagttcatga agaggatctc tgtttgccag gggcagattc 120

tgaggtattc atggagtgga gagcctntct ttctgtcctg ccccacattt gaagtctcgg 180

aggtcccagt ctgcagtggc tgcggaggcc agagggcgtt tgagtttcag cttatgccag 240

cactggtcag catgctcaac agtantaatc taggtctcac tgtggaattt gggacgattc 300

tggtttacac ctgtaagcag agttgctggc ctccaaatca gcagatgccc atggaagaat 360

tctgtgttat acaagaagac ccagatgcat ttttattta 399

<210> 9765
<211> 321
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<400> 9765
cagtgctgat gtcctctgtt tatgggaaac gcattaatca gcccattgag cccctaaaca 60

gagactatgn ccgtgtgaac catgtacgga ccgacttcta caggaagaat gacatcccca 120

gcatcaagac acctggcttt gggcacatca ctccagcctg aagcagttgt gtggtttata 180

gggcactctg aggtaccctg tcagcaagta aggtagtatt ggaacccatt ttcctgttca 240

tgtcacctgt agccgcaagg aggataagca cacacatatc taaggtggtc ctggctcaga 300

acctgggcaa gcacctttac t 321

<210> 9766
<211> 506

<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<400> 9766
gatgagcatt tttgttctct acgaagagaa taatacaaag gtcatgaaca aggaaaacca 60

cctatgaatt tctatttcta ttatttattt tactcacaat attttgttat atgaagagaa 120

aacatccgta tacaagaacc cntgttaggt ggtttggagt ctataaattt gatactaaga 180

ttaatagtta aagagaacac ttttatttt atccattttc atttgaggaa aagtgctctn 240

tagtcaaaat acatcagtga aacaaaacct tggcttaatc ttctgtgaaa gtaatttact 300

tatttaacat atattttatg agtataatca ctctatacgt aagcctgtat tttgagataa 360

gtagttgaat attttacttt tattgtctac ttttacctgt taactgcata atacaagaaa 420

agaaactgta acagataagc ataaatctgc atcgcacgcc atgaaacaag gcaaacagtg 480

gaaatgtcac gttacatgct tcctcc 506

<210> 9767
<211> 393
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<400> 9767
accttcatgg ttctcatctt tcttgctatc ctctatgacc ggagatctac tcagactgcc 60

attctagcag gtcctcaatg aggttcaggc tcaaaacgag aaccaaggat agtgactgat 120

ggtgctggag gatagaaaac atccaatagc cagcaacata gaaacttcac aggactctgt 180

ggattgtgtg gatgacagtg cacatccttt aaatctaatc tccaggtttc agtgacttct 240

gtttgctaca gngaatggng tgagccttgt ctagtttact accaggcaca gatggagttc 300

ttagaactcc ctntgaaaac atttagacat gtgtagaaat caggaagtaa agattgagtg 360

ttttgaaaga cacgagtcct gccaatggaa cta 393

<210> 9768
<211> 278
<212> DNA
<213> Rattus norvegicus

<400> 9768
gagctacagg tgatgttcgc agcatctgtc ttactgttta aacagaatgc cctcattttt 60

cttgtcttga gaagctgcgg gatgccttta cccttgcaac ctgcaggatc tcacagattc 120

atttttcatt tctttgccac ggaataaacc tcgaatggcc ggttggcttt ttaaccctct 180

tagacatctt ttagtcatcg gctgaccaca cacagaaaag gtccgttttg tcatttgttc 240

cactctgtgt gccttgagaa ccactcctgt gatacgac 278

<210> 9769
<211> 513
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(324)
<223> n is a, c, g, or t

<400> 9769
aagctggata gctctgttgt catcagccca cctgagttct atcacacacc cggttccgtt 60

gagagtcttc ggcggcaggc ctgtctcgct gctgttgaga atgcatggcg aaaagctcaa 120

gaagtctgtg ccctcgttgg ccaaactctg ggaagacctt tactaatcaa ggaggaggaa 180

acaaaagact gggaaggcca agcggatgat catcagttgt ccagcttgcc aggttcctta 240

actatacaac agaaaatcaa aagtgcaacc atccatgcag cttcaaaagt gttcattact 300

tacgaggtga aaggaaaana nannaaaaaa aagcatctgt aaaattctaa ctgaaacata 360

atgtatttgt acttataaat ctgtttttat acattttaca gcactgcttt ttgtctcaaa 420

tgtagctgtt gtctggtact ggtaatctgt aagatctgcc acttgttgaa catatccctc 480

agaatatgtg tgatctcttt ctagttccca gaa 513

<210> 9770
<211> 153
<212> DNA
<213> Rattus norvegicus

<400> 9770
gcagtagtag atagcataag acccaaaccc ataactgctt gaaggtgctg cgaattccaa 60

gcggaggaag agctaccagc agctgcggag cgaagactgc ctttcttcct ccttgccttt 120

ctcactcagt ggccctgtta aacaagattg tga 153

<210> 9771
<211> 502
<212> DNA
<213> Rattus norvegicus

<400> 9771
tcttgggctc acgtgtcata ggcaaagtct cagctccaac ttactccatc tacggccgca 60

gcgctgtggg cagctgcttc gaggacctca gcaagacccc aggcccttgt gcctaccacg 120

ttgtgaaccc agggatctac aagactcgag ccccgcagtt cacgatgctg gggcggactt 180

tgccaccaaa gagccccaaa gatccaggac ccgcatccta cgccgtggac aaggtggtct 240

ggagtcgagg gttaaggggc aggggatgag ggtctgaggt ctaaggcatg ggtcaaagtc 300

cctggggaac tggtatccct gtatgaagcc gaacagctgg ctcggtaagg taagcggcgt 360

ctcccggacc cgcagcaccg gaagcctcct cctggctgga ccttcgggat caggcattca 420

gactacctgg cccccatgat acggtaccac gtggacgact gacgccagca agcacgcatg 480

cacgggccct cggttgttta tt 502

<210> 9772
<211> 504
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<400> 9772
actgtgtgaa gcctgcggcc tgtcacngca gccatccacg cactgtgagc gccacaggga 60

acctcgccca catcttcctc gcctacccat gccaaatgtt tcctcctgtt gaagcctggc 120

tcctggctcc atagtgacag tgctacaatg gtgtccccgc tgaagatatt tactggcact 180

gtggccaatg cctgcatgcc aatagcttgc ttccagcccc acgccatgag atntcggcac 240

actcttatat ggccatggct gaatcantac gccacacaga atcagaatcg cctgaagtcg 300

aagcaaaaat aaggagctct ctctctcttt ccctctctct ctctttctct ccctccccag 360

ttccagggca cctacgagag cagagcagca gcttctgctt ccccctggag actcctgcct 420

tgcacagtcc ctttacaagc agctatgtct catgatctta gcaagatgac ctcaaccctg 480

atgtcgcccc aacctgaatg tgtg 504

<210> 9773
<211> 575
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<400> 9773
aactgcggga cgtcattgaa tctcaggagg aattgatcca ccagctgagg aatgtgatgg 60

ttctccaaga tgaaaatttt gtcagtaaag aagagttcca ggaagtagag aagaagctgg 120

tggatgaaaa agctgctcac gccaaaacca aagccctcct gnccaaggaa gaagagaagt 180

tgcagtttgc ccttggcgag gtggaggtgc tgtctaagca gctggagaag gagaaaatgg 240

cctttgagaa agcgctctcc agtgtcaaga gcagagtcct gcaggagtct agcaagaagg 300

accagctcat caccaagtgc aatggtaggc gggaggcccg tgctgccccc caagttaaca 360

tacacgggct cttttccaac agcccaatga tggtgccaaa agcagggctg taccccaact 420

tctgcccccg gctgaggata caggcaagtc caggcgggtc acaccttcga aagtgccttc 480

agggaccagg caggccacgg aagtgatgga cgcgaacagt gtgcggtatt cttcacagcc 540

ataaaggaac gggctcgctc ccatttttct tgaaa 575

<210> 9774
<211> 456
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<400> 9774
atgaagctta ccaaggccgt gcggtacctg cagcagcccg actgtctgct cgtgggcacc 60

aacatggaca accggctccc gntagagaac ggccgtttca ttgcgggtac cggctgtctg 120

gtgcgagccg tggagatggc cgcccagcgc caggcggaca tcatcgggaa gcctagccgc 180

ttcatcttcg actgcgtgtc ccaggagtat ggtatcaacc cggagcgcac cgtcatggtg 240

ggagaccgcc tggacacaga catcctcctg ggctccacct gtagcctgaa gactatcctg 300

accctcaccg gagtctccag tcttgaggat gtgaagagca atcaggaaag tgactgcatg 360

ttcaagaaga aaatggtccc tgacttctat gttgacagca tagccgacct cttgcctgcc 420

cttcaaggtt aaagatctcg tgtctttaat ctctgg 456

<210> 9775
<211> 456
<212> DNA
<213> Rattus norvegicus

<400> 9775
gagggcccag tttgatcgac gtacgtctag caaacactgc aggcggtgtt tgaagatggc 60

ccagaactcg gtgtcgctgt ccgccggcga tcaagccaac aggatggccc accgatcctc 120

ccaaggagat ctcaacccgt cggccatggc ttgggcgatg gtctccggag acagcttcct 180

ggttactaga cttgatccga atcagccagg acctcggcca ccagcgcgac ccagcgttcg 240

gaccgacaga cgtcgagtgc ccgtcggtgg ccgcagccgt agccgaagcc gccaaggcag 300

attctcgccc tacccgatcc caggcgtcaa actcgacctc ttaagaagtg tgctgcagca 360

gcgtcttgtt gcgttaggat ctgctctcgc aacccgaatc tcagcgtaga gcaaatgcct 420

cccctcactt agcttgcaaa caaggccttt ccaaaa 456

<210> 9776
<211> 353
<212> DNA
<213> Rattus norvegicus

<400> 9776
gcagtgcaac gggaggctcg cctctggaag gtgggcaacc ctgagggacg ggagctgctg 60

acccagccgg acatcacgct ggaggaggct ggcatggtgg atggtcagca tctgctcctg 120

gaagagatgg acgagatggg aaactggccc cctccggagt gaggcccgtg ctggcaggag 180

cccaccgtgc ccacacccct gcgaccccag tccgacgtgt gtctctcctt gggacacacg 240

gaaggagtcc ctggggccct gggtttgggg gatgagtagc atcctgtgtg tgtgtgtgtg 300

tggtgggcct gcccagcacc cgtcattaga ctccctcaga tgatgttatt aat 353

<210> 9777
<211> 273
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<400> 9777
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tggcctcttn taccaagaaa caggttccca ggaaccagaa aggctctgtc caggcaagga 120

agggggctnt agcagccaca gcatccaaga cctctctggc tgcagctccc agcatgacaa 180

aaagtacaaa caaaagaggc acaaagtaac gcacagcctc tactcacagg cctccttccc 240

aggtcctgcc ccaataaagc gtctctgggc ttg 273

<210> 9778
<211> 213

<212> DNA
<213> Rattus norvegicus

<400> 9778
gacatgacca tgctgtgcaa cccagattct ctgtggtatg aatctccgca cttgacagtg 60

gatgggctgc cccctctaag gcttcaagcc cggccccgcc cttcagaaga tacctttctc 120

atgcatcaga tgctgaggcg ctgggaagca tagccctcaa aactccggaa tgctagtctg 180

tatttttgt tcgaactgtt ttttcataga ata 213

<210> 9779
<211> 493
<212> DNA
<213> Rattus norvegicus

<400> 9779
gatcacagag gatctcgcca agattatgat ggactacttg ggaatggaga acttctggaa 60

gagatacaac aaggtgaaac tggaggttct gagtctccag cacaggcggc tgcagctgct 120

ggatatcagc agcaagctgc gggagatgct caagcagtac ttggacggca tctcggtgag 180

cgacgaggtg ctgagccgcc tcaacccgct cttcatagta aaccacaaaa gcaacctgcc 240

ccagctgccc ccatccgcag cgcagcctgg cggtgacaga ggacctggtg gcgacagaag 300

actgacttac aacgtcatcg aggcggccca cattgcctcc catatcctgt gacccgagga 360

ggaggaggaa gcgttccaaa ccccagagac ttttttcct ttcttgaagc ccgagtgctt 420

tgctctcatg cttaggtgga cactccagca ctgttccagt tacctaccac cgccctatgt 480

ggcataacca att 493

<210> 9780
<211> 521
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

<400> 9780
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gcgagatccc ggctctgcgc cctgtccgcc ctggaactgg atttatcatc agtttagaat 120

agcatngcta ncgatgtgtg gtgtggatgg atggacnagc cccgcaagtg caaacaggac 180

agtccaggtt acctgacaaa gcagccaccg gtgcaccagc tgtccaagat cagacctagg 240

tcaatcactg acatggctaa aagcaccaag aaggtctgga tcattgtgct gcctcactcc 300

aaaaaatggt gacaaaaatt aaaatcaacc agcacgccag gatcctctgt ggcaagacca 360

agataatgtg ggccactgtc atctggcact gtggttcctt catgacaaca atggctggtg 420

ggtcctgggt ttactacacc acttctgctg tcagtcaaac tngccatcag gagactgaag 480

gaaatgaaag accatagaag tgctactgtc tgagcagccc t 521

<210> 9781
<211> 457
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<400> 9781
atgagcggta ccacactgag agccttcagg gccgcagcaa gcaggagctg gtgcgagact 60

acctggatct agagaggcgt ctgtcccagg ctgagcagga aactcggagg cttcagcagc 120

ttcagggacg ccccagcagg caaccntgcc agcaggtgga agagctggcg gctgaggtgg 180

agaggctccg aactgaaaac cagcgacttc ggcaggagaa cgagatgtgg aaccgagagg 240

gcagctactg tgaccgggag aagacagccg cagaagggac ccctcggccc aaggatgagg 300

ccccacttca gacccgctcg ggccagctgg gtcacaggga ggcaggtgac agatgaaagc 360

tactcccagc atacctgtct ccactgagaa ctgctaagac aaggtcagag tttccctgcc 420

attttcactg ttgggtcttt attgtcatct cactttt 457

<210> 9782

<211> 461
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<400> 9782
tgttcagtga ccacgctgtg ttgaaatcct tgtctcctgt agagccagtg gaatctgtaa 60

gtaactcaga gacacccatg aattcagata cagaacaggc ccatagcgag gctacagaag 120

aggagactag taagccctgt gcgagcgaca aggaagacac taggactgag tatatgtgtg 180

atggccctcc aaaggggcag agcaaagaca cctctggaga ccaaggccac ctcctccaag 240

gagcccacca gtgtgagagc gaggccaagc ctcctcaggn tgntgctgca ggggccaccg 300

cccctccaac tcccagggac tcaccccggc tctccattaa gcagaggctg gctcgactcc 360

agttgtcacc agaatacacc ttcactgcta gcctggctgc ggaagtggcc gccaggtctc 420

tgtcctttac caccatgcag gaacagactt ttggcgacga g 461

<210> 9783
<211> 240
<212> DNA
<213> Rattus norvegicus

<400> 9783
atatccacga tgctttggct ctgtctgacg tggggaacga caggaagctc ttcttgtttg 60

gaactcaggt gactaggaat ggttcagaga tcccctccat catgcaagat gccaaagacc 120

taattacaca cctggccata aatatgtaga agtgactaag acccgcccgg ccctactcag 180

ctcccaccca accatcatca gagagggctg aaaggcaggc ttacgccaaa atttccactt 240

<210> 9784
<211> 285
<212> DNA
<213> Rattus norvegicus

<400> 9784
gttggagggc tacataagga cactagaaga agatttgcat ttctttacct gcttgagctt 60

acttgccagc acatttgttg gaatctacca gcctcgtggg actgagcaac tcttagatcc 120

ttggacttcc attcacaggt gactgttgtt gggagttgaa ctacagactg taagtcatca 180

taacaaatcc cctgactgta cagtatatcg tagactaccc ataagtcctg tgactctaga 240

gaaccctgac taatacagcc tgcctacacc atgctcggag taaac 285

<210> 9785
<211> 390
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<400> 9785
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ctgtggacag ggtgctgtca acntatgagc ccaatgatcc cagcaggtat acagctctgg 120

cccaagctct ggtcctgggg gcccggggaa tcccccggga ccgtggctgg cgtctcccaa 180

acaacaagct gggttccggg gatgacatct cggtcttcgt tatccccctg ggagggccag 240

gcagcagtta ctcctgatgg gctcagcccc agccctctca ctgccacccc agcatctcca 300

ttaccactct cctccagccc aaacatggaa gttgtgcccc tgactctcaa gtggccattt 360

gacacaggga tgcccactag ttccaaaatt 390

<210> 9786
<211> 509
<212> DNA
<213> Rattus norvegicus

<400> 9786
gatgtgtaaa tgctttctcc ctcatcgtca tgtgttttaa cctgttgtgg agatgctttg 60

gaatatcaga ctgccttttc aatgcttgtc gtcatcacct gtcaaatcag cagtctgtta 120

ctacatgaag tatcttcaaa ccattgcaat tgtcatttta attgcaaaag aatttataaa 180

agatagctga atcatagagc atcataaaga attcataaca tcatttatat atttgtcatg 240

ttacggccac ttgtcccact gcgatcatcc tggtcatacg ctggatggtc tttggtttgc 300

tgtgacctca atcccagcac ccctgtcctg ggtcagtcag tgggatccac tctgtaggaa 360

tccttatatc ctttggtact actgctttcc acatcccagt ctttcaacat caatgtgctt 420

ttaaaacctt accgctccgc tgtgcccatc aaccagtgaa tattaaataa tggccatcat 480

cctgaaactg agtccaactg ggccatggt 509

<210> 9787
<211> 508
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<400> 9787
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acttgttgga acgcagggac ctgtggcgga aggaagctga agctcgaaag cgtanccagc 120

cagacccttc catgcctcct ggccacacgc tcatgcctga gaatcagcgg ctagagacac 180

tgaacaatct gcttcagagc cagagcaagc tgcttcgtga gctagtgctg ttacctgctg 240

gggcagactc tctgagagct cagggtnacc gtgcagaact ggaccggaag ttggtgcaaa 300

tagaagaggc tatcaagatc ttttcccgac ccaaagtctt tgtgaagatg gatacctagc 360

ccctcccccc ctttgtgggt agattaatag ggagatccat gtttaggatc agctcatggc 420

tgcaaagggc agactcaagc cctgttatag ctccaaagca ttggggtggg cagaatcgaa 480

agcacttcgt agttaccagt ggctgcag 508

<210> 9788
<211> 546
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<400> 9788
tgctgtctag atccactgtg taacttccaa gttaganagg gaaagtgaag cacaagacca 60

agctttaaac tgttagaagc tctaagctnt ccaagtctta tttctccagg ataaggccca 120

tcctttctgn tctcctctct tcccatggtt catattaaaa tttacatgga gtatggtagg 180

cactagtttg aaagggcttg ccaaatttta actacattca aggttaactt ctggggaaac 240

acccatgctc agagtactgc atatgcccac agctcctttg atagtgactn tggcaatggc 300

tcatatgttg tacagagtag tcctgaaagg aagacttctt agaaacaggt cctgcatggt 360

tcatttgagg ctatccatct ttgataaatg atgccaagct ttgcctgtga cattgcatgg 420

atggcactgt agctctcaag ggacattgat aattaagaac aggaaacagg ttgctacaag 480

gaataaagta gaagccagag acaggctgaa gacaactccc taaccctgtg ctttctaagt 540

gtggaa 546

<210> 9789
<211> 572
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<400> 9789
taaaatgtgc gtcttctcct catggactan ttatggttgg agttgcaggg actgtccacc 60

gcggaaattc ttgtttgggc atatttgaac aaatttttgg acttatccgt agccctttg 120

tagaaaatnc ttgnaaaanc aaatttatta acctgagaat cgttggangg aagttccctt 180

gctcctggat catcgctgaa accatctgta acatttgaac agagtgattt ngaggccttt 240

tataatgtaa tcactttgtg taatacccct gaggtaagac ctaatgtaag gcagatattg 300

gatagtggaa ctggagacca ggttttatgt agtggagatg aggccttgtt gaacaaaaag 360

gaaatgaatt tgcctacccc tctaaagcat tgaacactgt accacagcct gaagaagctg 420

cagaaacaca acactgacca tctctaagcc actgcaggtc tgagaattga catattttag 480

ctcaaataac tttttggact acagactaat gtgaatactt gcctatttct acctgagtta 540

cagcaaatgt tctgtgaact tattgcggtc ca 572

<210> 9790
<211> 538
<212> DNA
<213> Rattus norvegicus

<400> 9790
aagctgcagc atatggcctt ggcgtcatgg cgcagtacgg tggagataac taccgcccct 60

tctgtacaga agcactcccg ctgcttgtaa gagtcattca gtctgcagat tctaagacca 120

aagaaaatgt caatgccaca gagaactgca tctcagcagt gggaaagatc atgaagttca 180

agcctgactg cgtgaatgtg gaggaggtct taccacactg gctgtcgtgg ctccccctac 240

atgaagataa agaagaagct gtccagacct tcagttacct gtgtgacctg attgaaagta 300

atcatccaat tgttcttggc ccaaataata ccaatctacc gaaaatattc agtataattg 360

cagaaggaga aatgcatgag gccatcaaac atgaagaccc ctgtgccaaa cgcctggcca 420

atgtagttcg ccaagtacag acttctggag gattgtggac tgaatgcata gctcaactca 480

gtccggagca gcaggcagcc atacaggagc tcctgaactc tgcctgaagg gccttaat 538

<210> 9791
<211> 481
<212> DNA
<213> Rattus norvegicus

<400> 9791
actcgttaca gaagtccagt gcggagaaga gggagatcga ggagaagctg cacgcactct 60

tcagccagga gcatctcgtg atatataagg gctatgtcga cgaccctcgg aacactgaca 120

acgcatggat ggagactgag gcagtgaact accatgatga gacaggggag acgatggaca 180

acctcacgct ggaggctgga gatgatgcgg ggaaggtgaa gtgggtggac atcagcgacc 240

agctcaagct gtatgccagt cactcacagt tcatcaaact cgtggcagag aagcgagatg 300

cccactggag cgaggactgt gctgctgaca gccgcgggct atagcctgtc cccgcgagcc 360

agccggcagg ggctgcgctg cagaagcagt gctgcagaac tgacactcaa aggccgcctg 420

gaaatgcttg caacaaggcg aggtgcctga accgatgagg aacactgaag ttccgccttc 480

t 481

<210> 9792
<211> 229
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<400> 9792
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aggtctgaag atccctggct tagagcatgc aagcatggaa ggaccaatag caaatttgtc 120

agcacttgga acagaagagt tacgtcaacg agagcactat ctcaagcaga agagagataa 180

gctgatgtcc atgagaaagg atatgagggc aaagcagatc cagaatact 229

<210> 9793
<211> 297
<212> DNA
<213> Rattus norvegicus

<400> 9793
aatactgtta caccaagaga ccattgagga tatgcaggga accaaactcc agtttcctgg 60

agaatgtttc cactctcctt cagcccccat cacttcccgg actaccatcc ggcactggat 120

caaccctaag aaagaatcca tccatagcat tcagggatcc atagtgtccc ctcacactgc 180

ggctactaat ggaggttact cccgaaaaaa tgatggtggc ttcttttcca cctagtggtg 240

acaactgggc taattttgcc atggtggaac atgcagtcac ccatcttcat taaatag 297

<210> 9794
<211> 414
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<400> 9794
tagaccaaga ttagggcggg ctcgcccagt gagactgcca acctagcaca acagccagaa 60

ccggagccct tcactntgca gtgtcacctc ccaggcctgt ccacccacac aggccatgcc 120

agatcatgat atggcactgt cctggggcat gagacagtac cctagacgct gcccagggat 180

gcagagcctc agtgggatgt ccatgtccca gctactgtac tgaagccttt ctagggaaag 240

gcccaggcac accatggtga agctcaggct caccaccttg gacgtgtgcc tgagggcacc 300

ctctctccgg cttttctgat gtcacagctg gcctcaggtg ctctgttctg cctttctgaa 360

cctaaaagtg aacatgattc tttccttcct taggatctaa gtctttgccg cctt 414

<210> 9795
<211> 432
<212> DNA
<213> Rattus norvegicus

<400> 9795
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aaagcttttc atggacacat tctgtttcct cccatcctgc caggttgggg agctggtaat 120

accaaacctc atggccaatt ttggacctat gtacttctgc aaattgcaca gggtgccata 180

gtgtcacccc atccctgaag taggaaggtg atgactccat cagaggcatt gtaacaggct 240

ggcggcaggt gtgtcccagg cctgtctcca tccattacat ctaaagatcg ctgtacacgg 300

cagtgggtag ggaccgctgc ccagctgagt tagcagcagg cttctaactc atactctcac 360

ttctagcttt tagcctctac taaggcccca gcttcagtac ggattaagac agaccctgtg 420

aataagccca ta 432

<210> 9796
<211> 500
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<400> 9796
tcggatcatc caagtgtttg agcatggcan aaggggacac cttggtctca gtggattacg 60

aaatttttgg aaaggttcaa ggggtgtttt tccgcaagta cactcaggct gagggcaaaa 120

agctaggttt ggtgggctgg gttcagaaca ccaacagggg cacggtgcaa ggacaactgc 180

aaggccccgt ctccaaggtc cgctttatgc aggagtggct ggagaaaaga ggaagtccca 240

aatctcacat cgaccgagca aacttcaaca atgagaaaat catctcaaac ttggattatt 300

cagacttcca aattataaaa taatgacacg aattttaatt ttttcaaagt aatctcactc 360

ctttttttat cggtatatat aaaatagaac gattctgtgc tcagtattag aatttgttag 420

taagttattt tagttgcatg tttgaaagtt accaggtatt acatgtatga cgaaagacaa 480

atgtgtacag ttctaaccaa 500

<210> 9797
<211> 439
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<400> 9797
aagaggatcc cttaggtggc ttcaccattg atgacgtaaa attagccctg gcacgagtga 60

cggatgaggt cttgataagc attcagaacg agataaacga aaaactgcaa gtacaggaag 120

agtcctttaa cgcgngaata gagaaactga agaaagcctg agaatgcagt acaagttaat 180

cttccgagaa accaacaaaa ccggccagaa taataatgtc tctatagcac tatgtcacct 240

ccatgaagcc ctggaaggaa aacccacttc ccgttatcct gagtgattga caaggcgtcg 300

tcccgcccct cccattccac acccacctct gagtttacag ggccaaaagc aagaagagca 360

ttgctttgta tgattttgga agttctatac gaaagtacta ttgttttgac taatgaatac 420

tattcctctt tctcggaaa 439

<210> 9798
<211> 399
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<400> 9798
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acaagcatca atagtgaaac ttgaccaacc tgccaatttg ctccggatgt tttttgattg 120

cctgtatgat gaggaggtga tatcagagga tgccttctac aaatgggaga gcagcaagga 180

ccctgctgaa caaaacggga agggcgtngc cctcaaatct gtcacagcgt ttttcacgtg 240

gcttcgggaa gcagaagagg agtcggagga taactaatac ttcaaataca caaacgaaac 300

aaaagaaaca atttaagtat ttttttaaaa agtttcacgt cttcgccaat cacagtgcag 360

caaggccaac tctcgcagaa accccacgtg tgcgcgagt 399

<210> 9799
<211> 298
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (169)..(169)
<223> n is a, c, g, or t

<400> 9799
ttgtctgtaa agaggcctgt gtgcctagag tgcggccctt acaggtccat ggtgtctgag 60

gaggcaggtt agagcagttg gctgcacagg cctcctgcta ataggccata tgcactgtat 120

agccatttaa aggactattt aacctgctgt cagaaacctg actcatacng cactccttgc 180

acagcttcta ggggagaacc ttgaagccat tctcctccta gcttatagtc taacagagca 240

tcacatagaa gagaaaagtc ctgcattgct gccgttttcc catgtctatc ttcagata 298

<210> 9800

<211> 372
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<400> 9800
gcagatctac ccattcgtgt ttgaaagcag gaaggagatt ttgtaactca gacttcgttg 60

gttagagtct ctaactgagc accatttgaa acctgntgca cattggactc gaaacacaag 120

gaaaactgga ccaacagtga ctgaggacag agactcgtac tcacggctac agtgtaagct 180

ccagtctctt tggattttac ttcaaccttt gctgtaatat aaaaaggaag tttacaagac 240

atgacattgc tgcttttaca aaaggacgtt ctatttattt tcgcagtgat ctcatgtccc 300

cacaggcaga gctgtcgcag tgtgcactac cttacagttg ttttattgat gtcattattt 360

ttccagttgg ag 372

<210> 9801
<211> 479
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (441)..(441)
<223> n is a, c, g, or t

<400> 9801
gctggtgaca gtggcttttc ggaacncagg aatccaagat gagcccccaa agattcgggg 60

ggaaaactac ttttggtgga aggtactgga ggaagactta caaaaacagc ttctacacag 120

actccaggaa tcttctgttg tccccctgac cagatagata ccagcagtga ccaaaagctg 180

agcagccacc ctccctctga ggcagtgaag agactggcag tcaggggtct cattgcacat 240

tactcaggta caggaactac acattgagcc caaagggagg gtgccatgaa tccagtcatt 300

ctgagggcac acgatgcttc tctttaagtt tgaaaggagc ttttcgaacc gtaaatggca 360

ccatcttctc tgtccacttt ggaaaaggcc gcatgtcaat ccttccaacc ccacagcaat 420

gtagaggggg atgggacaag ngggatgcat ccctcagggc agagtcctca ttgctgagt 479

<210> 9802
<211> 460
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<400> 9802
taagaagacc cacgccttcg tcagacttct cgctatcagg aaaaagntgc ttttnctgaa 60

gagattaaga tggcgggaga gacagactnc gacttggata agaaaacttc tttgacttca 120

gatgcagaaa tgagacctga accnccagnt ccatgcanaa accctggcaa nccccgtgtt 180

ttcntgtatn ttggacccta agacattgca cacgtccacc tcactgtcca aaccccagat 240

gattatgtac aagaccaatg ccagccagta cggggccttc tcacccaggc cctacttcct 300

gccctgtaag tacctgccac aggagcaaat gttcacagag cacctcagag caaccggctt 360

ttatcaaaac aacagcctga acattgggcc tgaccgaacc agaactgtcg attctcctaa 420

ttatcaacac acactgtgaa atccatcctt ctgacagaga 460

<210> 9803
<211> 412
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<400> 9803
ttcctggtcc aggatgatgc gtctaggatc tatgtttggg atcttcttga gaatgacctg 60

ggtcctgtgg cccagcagcc catctctcca gataagcttg tggncannan tatcgtgggg 120

gaacccgaga agaccagtgg tagctttgtg gccctggtgt tggccaggac ctctggtaca 180

gtcgacatcc agaacctgaa gaggcggtgg accaccccgg cagcagatga gcatagccag 240

ctgcatctgc ttcttcagaa atgaagacct aatgtcagga gaatgatggg tacatgagcc 300

ttgattacag atggatccct tcactctgtg tctatgtgac tttgtgtaca tagagtgtgt 360

atattctgta cataatttgc tttagaagag cagtgctttg gtattcccag ga 412

<210> 9804
<211> 226
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (28)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<400> 9804
acacatgtag gaagaagttg gtcccacnna agcaggngag caaggnggta catcttgant 60

gtgcactgaa ccagaaatat ttggttgact tcaacaagaa agataaagnn nnnnnncaat 120

gnccagancc agcatnatca ggtctcagaa agtgcaagag agctggaatt ggacacacan 180

cagtaagaga gcttcctgaa gaataagttg ctttctcagg agtccc 226

<210> 9805

<211> 565
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<400> 9805
aggtggtgag cgacactggc tctctcttgg cctgttgcct gaatgcagcc tgcatggcat 60

tggtggatgc aggcgtgccc atgcgagccc tcttctgtgg ggtcacctgt gccctggacc 120

ctgatggcaa tcttgtgctg gaccccacaa ccaaacaaga aaaggaggcc cgggccattc 180

tgacctttgc tctggatagt gcggagcaga agctgctcat gtccgccacc aaggggctct 240

attctgatgc agagctccag cagtgtctgg ccgccgccca agctgcctca cagcacatct 300

tccgcttcta ccgagaatcc ctgcagaggc gctactccaa gagctgaggc ccgccagggc 360

agggcgccct ccaccacgcc caccgcntac ccgccagcag ccagcactcc actgtgcctc 420

tgtctgtgcc caggtagcct ctggtcctgt cgcagcaggg gctgctgagg caggctaggg 480

aggggcttag ggacattcta ggcctgggta caaccctctc ttcaccagga caccattaaa 540

aagggctcac ctgtgttgag cgagt 565

<210> 9806
<211> 341
<212> DNA
<213> Rattus norvegicus

<400> 9806
aaatactcag cctttcagac tttggatggg gagattgacc tgaagctcct caccaaagtg 60

ctggccccag agcatgaagt gcgagaggat gatgtgggct gggactggga ccatctatac 120

actgaggtgt cctcagagct cctcacagag tgggacctgc tgcgggcaga gaaggaggac 180

cccgttggac catcgaggca catctgaccc aggaacgcca ctgtgcattt ggacaaatgc 240

atgaagtcta aaaccatggg agcttgtgag cagcttacaa tttttataca gaatattttg 300

taatagaata tttattttca gtaggacaca ttggagcatt c 341

<210> 9807
<211> 500
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<400> 9807
gagtgcacgg tgaccagaga ccataggatg cttgagtgca tggtgaccaa gaccatagga 60

tgcttgagtt caagcagggg ttaaactgaa catgtgcggt cctgcccctn tgcagcctca 120

acaggacaac caaggaccca gtaatgcagc ctaatcaacg tgcagctctg tcagcagtcc 180

tgagccgcca cctccaagag gtaccttcca gagtggaggc aggtggcctt actgtcatct 240

gtgcctttcc ctgcacattc acatccagct gcacttcaaa gagagcctgg caacctagaa 300

ccagcctcca gaagccaaga cccaacctgg acctcctcag cttccccttc acctccagga 360

gaaggccata ggaagtccac aggaagaaca actctggctc ctggtctgct gagcaccggg 420

caggacagga gcctgtccta caccgagacc gctttgggag cagcagggct ctaagggttt 480

catctgcctt atttatatta 500

<210> 9808
<211> 365
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<400> 9808
caaggctccg gttgagtcag ggaatgcagg tcccaagatc ggcaagcgta accagaagac 60

acaggcggct ggcancacct ctgtgcccga gctgttggtc ccctgtcact ctgacacctc 120

tctggattat ttgtccgagt ccaccacgga gatcacctgc aaatggccag actacggtca 180

ccagctgcgc tgccctagac actgctggct cctgccacac ctggcatact aacgccacgc 240

ctggacaccc gtgggccatg agaccgcaag agacacctac ccaggggagc cacaagaagc 300

actagacctc cggagcacca tacaagagcc acgttgaata actgcccgtc gtgcaaatag 360

tttaa 365

<210> 9809
<211> 448
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<400> 9809
atcacaatta gcctctgtgc tgatagagaa gagtcagaga agagtggaaa ctatggcctt 60

agggcttttt aagcctaatg attttaccat ttactctaca tacgacagca gcactgttga 120

cagtgtgttt tgagactgca cttctgtgcc tattagacta ttgatatttg tttagtcata 180

tctaaccagt agtctatctt ttcaagctca tctgctaata gaaagtatgc catttgcaaa 240

actgtcacga cactgagttg aacctatgtt gcactgtgga gttctccact tacacagcct 300

atttatgaca tccaaaagca gtgtttttta tatttgtgaa agttactggt tttactggta 360

ttacctcant atacatgcac tggtatcata caaatctctc tactatgttt ctatattctc 420

aaagttaaat accggttttc atgcaaat 448

<210> 9810
<211> 478
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<400> 9810
acgtatttgt tttctgcacc agaggggaac tgtcaaaata tagagtccca aacnttctgg 60

acctctacca acaatatgga attgtcaccc atcatcatcc gatcccagat ggagggactc 120

ccgacattgg cagctgctgg gaaatcatgg aggagctggc cacctgcctt aaaaacaacc 180

gaaaaaccct gatacactgt tatggaggac ttggaagatc ttgtcttgta gctgcttgtc 240

tcctcctata cttgtctgac tcaatttcac cacagcaagc catagacagc cttcgagatg 300

tcaggggatc tggggcgata cagaccatca agcaatataa ctatcttcat gaattccggg 360

acaagttagc tgcctatctg tcatcaagag attcactgtc aagatccgtg tccagataag 420

gaagagccca gacacgcagc cgcagctgaa gttccaagtt ctctagcgta atctgtat 478

<210> 9811
<211> 518
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<400> 9811
acgacaagca cctgagtgtg cccaacatca tcatnacacc cccaaccccg acgggcatgg 60

ggctttcccg ggattccaac agccaagtct ggatggatga gttggggtct tatcaagatg 120

atgaagaact tgagcccgaa gtctgagaag ttatcttgta gtgagacctg tgtggcagcc 180

accagccccg ctgcccctag tcccaggtgt tgggggcatg gctctctgag cagctggatg 240

gggacagcca aatgggccct ggactaagac agggatgacc agaagagcac agcaggtcgc 300

tgaccccagt ggagcagaca tctgtggcct ccatgtccac accaacccag acccgggctt 360

ggtgaagagg aggcccatcc cactntacgg tcaggtcacc gtgaccatgg accttggccc 420

tcaaggccac agagcacaag gacttctcgc cagagcaggg cttctgtttt ttacaagttg 480

ttttacaggt atggaaccta cgtcctgagc gagattta 518

<210> 9812
<211> 481
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (74)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(80)
<223> n is a, c, g, or t

<400> 9812
aggagactcg actaggaccg cacagcaagg tcagagctga tcaggaagca ttcggaagcc 60

aaaccatgga tccnncnnnn cggaaagaaa aatccaaagt taaagaacct gccttcagag 120

tggagaaggc taaacagaaa tctgcccagc aggagctgaa gcaaagacaa agagcagaga 180

tctatgctct caacagagtc atgacggagc tggagcagca gcagtttgat gagttctgta 240

agcagatgca gccccccggg gagtgagcca gcctgcatcc cagtcagtca gagggactgg 300

gcctttgtct gtgagctcat tcccactgtt tcgccgctgc cgccgagctg gcccattgga 360

gccttacaga actgatcagg acttgtggag acctctgcac tgaatttcct ataggtaact 420

tccacctcac tggtttttac tctcaaaact ggcccagtgc ttgctgggta gacttttcat 480

c 481

<210> 9813
<211> 452
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<400> 9813
ctcctgaaga gccagctgtg gacagaggga gtnaggcttt atttaaagtg acaggaagaa 60

acatggcgtt ttggtatatt gggagcaatg ccaagattcc ctcntgccct acataggtca 120

cagacacctt cccaaccatc ccctcctcca cttnccataa atgaagacag ccntgatgac 180

cctcacccct tttgcatagg tcactggatc ccactgtcct tcctcggtgc ttacacactt 240

tacagaccct ttaggcgagc ccttgcatag agcgttatct cagtgctcca ttccagtcct 300

gactccctgt ggccattgag actttggatt taagaactca cattgctagg gagaggggct 360

ttgctgggaa aggtgactcc tctgtaacct agcctcttgt gctcctccat gacagaaatg 420

ctgggtggag ttttacattt gccaatggcc ag 452

<210> 9814
<211> 456

<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<400> 9814
tgatttaatt agtcaccccg tgctggccac cttccctctg ctcctggagc agcccgatgt 60

gatggatgct ctcaggagtt cctgggctga gaaagaaagc acactaaagc gatcggagaa 120

gagagacaaa gagctcctaa aggccgagtt cctcctggtc taccatgact gcgtgctccc 180

tcttntgcat tccacattgc tgccccccct taggtggncc gaggaagaga cagaggctgc 240

tagatggaaa gccatcgctg acttcctcaa gcaaagccga gagaacgagg gttccctgaa 300

ggctcttctg tcaccagatg gagttcacaa accatttgac ctttcagagc agacctatga 360

cttcttgggt gaaataagaa agaactcagg ctaatgatgg ccatggctcc cgattcccac 420

tggacccagt gagttcccca ggatgacttg gctcaa 456

<210> 9815
<211> 361
<212> DNA
<213> Rattus norvegicus

<400> 9815
ccgccgtgac actttctaca aggagcagca ggaacgcatc caagagaaga atgctgagct 60

gtataaactg tcttctcaac aattccacga ggcggcttca aaagcagaga gcacaataaa 120

gccccgcaga gtggagcctg tatgctctgg cctacaggcc cagatcctcc gctgctaccg 180

tgaccatctg catgaggtac ttctatgctc cgacctggcc aaggcatacc agcactgtgt 240

gagcaccgcc cgcaagggct gaggagcagc atccttcctg gagccttgaa gaagggaccg 300

atcatgagac cacagaccat ggtccccatg ccctgcagtc tctgactgag cacccatatg 360

c 361

<210> 9816
<211> 334
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<400> 9816
ccactggagc actgaacaca atgtacaagt accacacaga aaagcagcac tngaccatac 60

ttcagtttga cacttccctc ccccctggac gcctggacca ctccatgtgt gtcatcccat 120

ggccagtgat gtctgcctct gacactgaag actcaggttc tgtcattctc agcctccaag 180

atgagaaagg ggacgctgct gagaaaccag agacccggag tggagggtcc cgtgaggaga 240

gtccgaccac actgctgctc tgttttgtgt tcggtgggat gaatacagaa ggggagatct 300

atgatgattg tctcgtgacc gtagtggact aata 334

<210> 9817
<211> 497
<212> DNA
<213> Rattus norvegicus

<400> 9817
ggcctggaca gctgacctgg aagaactcgg agagggactt ggactgggct gggcccagct 60

ttgcttcagc aacaccgatg tgggcagccc tagatgagca aatgctacag gaagggatcc 120

aggcctcact tcttgatgtg tcagtccagg gttcccagaa cactctgtgg tcaccaaagc 180

cctctgtgtc ttctctaagg cttcagcagc tacagcatat gggattcccc actgagcagg 240

ctgcggtggc cttggcagct acagggcgtg tagaggggggc agtgtccctg ctggtggaag 300

ggctagtgga taccgaggcc ctagtgactg aggagaggag tggtccagcc cactgcaagg 360

acactggggt ctcatagtct aagaagagag tagacctggc ctgagtcctt acctggtctc 420

ctgagggctt ggtggggtct tgaaagcatc ctggggcagg agcaggcccc accatgttcc 480

cctggtactt tgtaaga 497

<210> 9818
<211> 563
<212> DNA
<213> Rattus norvegicus

<400> 9818
tggaatggac tcctgccatg gctcgcactc ccttggctcc cgtgccctcc aggctgactg 60

agccagataa gcattctcta gcagggcccc gaggtccaag ccaagtgcct tccaggcctt 120

gtcctcagca cctgctgtag tatgtatagg gctgagccca gaggctgaac aagactaagg 180

cccgggtccc cagcatatca tccatcgatg tgaatcatgg ggaagggaac ccgtccagcc 240

caccctcct cagcaggagc tgtgaagagt ccctttcctc cgccctggcc agtctctttc 300

atctccacag ccaagccaga atctgtcttc atgaggaaat acccagggac caggagtcag 360

aggactatct atcgatgagg ggcctcagcc tctccatagt aagggttaag ggacacctga 420

ggcctagcct ccaccctgca cctcgaggtg ccatctccca gctgccactc tctggtgact 480

cttgagcccc agacttcctg cttccattca gtgtggttct tgctgcagtc atggttgcat 540

aatgtgattc tgccaggcga tca 563

<210> 9819
<211> 354
<212> DNA
<213> Rattus norvegicus

<400> 9819
tctgggcgag ggtcctatca atcagaaagg ctacacgctg atagcattgg ggcacctggc 60

tcagaccctg ggtcgagccc ggaaacaggc tgtggttggt gaagagcgag atcgccttta 120

ccgggctcgg aagaagtgcc agttcctgct ggcttggacc aatgaaaacg aggctgctct 180

cacacccctg gctctagact gtgccagagc ccaccgagcc catgctgtga cagttgagga 240

gatggcaacc cttactgggg agctagaacg gctttgggga ggcccagtac cacctgcacc 300

aaggattctc attgaggagc ttcctggctg agctgggcat ccatgtcatt acat 354

<210> 9820
<211> 352
<212> DNA
<213> Rattus norvegicus

<400> 9820
aagaccaggc agactgttct tgctaccagt ttcttctaag gattatcagc catgcatgaa 60

cgatgagaca aaggaagagg atctactgaa tgagtgcatg cagtccatgt ccattcagga 120

acaaggctca tctcatgcca gcctgacagt ctcgtgtccc acaccaagtt cagccatccc 180

ctaataccca catgttgagc ctgaggggac agtgaagagt tggaaccatg tatgggatag 240

tgctagtagc tgctggtatg ttattttagt tattgagaaa tttataatag ccttcttcgt 300

ctaatatatt tccgtgttat atctgtaatg tatgcttgtt tctagctaga ac 352

<210> 9821
<211> 456
<212> DNA

<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<400> 9821
gtgggtgtgg ccagcaactt cacattcctc agtgtcatcg cgctcttcag ctatatgcag 60

tgggtgtggg gtgctgtctg gccccgacac cgcttctctt tgcaggttaa tatccgacaa 120

agggataatt caggacacgg ggcccagcgt cggatctctc gccatcagcc aggtcaggcg 180

tctacccagc agtcagatgt gacagaggat ggcgagagcc ctgaggatcc ctcaggaaca 240

gagggtcagc tgtctgagga agagaaacca gagaagcagc ctctgaatgg agaaggggag 300

caggagccag aggctagtga cggctcctgg gaagatgctg ctttgctgac cgaagcctca 360

acgtctgccc tcgcccctga gactntgggc agcctcaggc aacgccagac ctgctccagt 420

tcctgaacaa aagggtggag tcttcacatt ccagca 456

<210> 9822
<211> 299
<212> DNA
<213> Rattus norvegicus

<400> 9822
tgtcaagatg cctggttcct ttctggcaag cagcaggtag ctaaagaaaa ccaacaggta 60

gcaaaggatg tcacactgca tcaggccttg cttcggttgc cccagtatca gactgatctt 120

ttgctcacct tcaatcagcc cccgtgtcac agcaggcctc ttggccctga aaatctgtca 180

tgtccacctt ggagcctggg taactttgag cagctggtaa ctagtttgac tcttcatgat 240

cccaacctct ttggtcccca gtaaagatgg ttgaaacaca gcgtgctgct gaggactca 299

<210> 9823
<211> 479
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)

<223> n is a, c, g, or t

<400> 9823
gagaacgaca acttccagga tgacccccac gccggcctcc cccagctggg caanagacta 60

cctcagttcg atgatgatgc agacacagga aagaaaaaga agaaaactcg aggcgaccac 120

ttcaaacttc gcttccgcaa aaacttccag gctttgctgg aggagcagaa cctgagtgca 180

tctgagggcc ccaactactt gacagcctgt gcgggtccgc catctcggcc ccagcgtccc 240

ttntgtgctg tgtgtggctt cccatccccg tatacctgtg taagctgtgg tgcccggtat 300

tgcacggtgc gctgcctggg cacccatcag gagacccggt gtctgaagtg gactgtgtaa 360

acctggcatc agggagaagt acccccaact ctccccaacc caccccagct catccacaaa 420

ggacagcgag aaaggatcta cccattcacc cagcaaagct gtaccctgcc gaccaagga 479

<210> 9824
<211> 360
<212> DNA
<213> Rattus norvegicus

<400> 9824
ttctacatct tcaacttcct caaatttaca ctctggccat gcctggtcgt ggccctcgtg 60

ccctggatgg tgcatacatt gagtgcccag gaagccccac ccattcgctc ttcttgatga 120

gttttgcctc cctctcccca aagacaacac tccttgacca ccacaggagc aggcccgctc 180

accttgaact ccatttctgc ctcatgcttt gcagtcttac ccccctttta aaaaaggacc 240

tctgtttcca ggaggctaag cctttcccca ggtccccaca aagcaagaac aacgggaggc 300

ctggtgggat ggggagctgg gttcctgaca ctgacaagct gctcaggaag gccccaataa 360

<210> 9825
<211> 462
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<400> 9825
tggcctggtc gcaaccagtt ttagttgaga agccatggtg gggcggcggn ccggggacgg 60

tggccacaat gtgcaataac gtggtgtccc ggggccgggc gcggcggcag acccgggtgg 120

catgggggg tgtcgtttct agccagctac ctcggtaact ccaattcatt caggttaact 180

tccccatggg gcagccggcc gcgggcttgg gcgctgtcgc tctgctcttg tgtggcccgc 240

ggcatggggc tccccggctg cctccttacc ctccggagcc tcgctcttcc aacgccccgc 300

tgccaggcag acctcggggc atcctgccgc cctccccacc cgactctgtc aggaagcaat 360

accgggtccg gtctggagct gggcggcctg gcggtgtcac cgcatgaact cgctgggagg 420

ccggggccct ggccagccac acggcactct tttctaatat tt 462

<210> 9826
<211> 330
<212> DNA
<213> Rattus norvegicus

<400> 9826
gagtttacag ggtctggact cagattatgg ctcaggctat cccaatgatc ccaagaccaa 60

agcctggctg aggaaacatg tggaccctgt gtttggcttc ccccagtttg tacggttcag 120

ttggagcaca gcccaggcca tcctggaaaa ggaggcagaa agtgtcacct gggaagactc 180

agcagctgag gaggatcctg agggacccgg aagaatcacc tcctacttca gccagggccc 240

gcaggcctgc cgccctcagg tctcccacaa atacttccag gagcgaggcc tggagacagc 300

caccagcctc taggagccaa tgtgtgtacc 330

<210> 9827
<211> 239
<212> DNA
<213> Rattus norvegicus

<400> 9827
agaacacggg tcacagccgt ggccacgagt cctccatgaa gaaactcgtg gcctgtgtga 60

gtcaagacaa cttctccctg tcatcagagg gtgaggaaga ggaggaggat gaggaagatg 120

aggaggagga agatgatgat gaggaagacg aggaggagga gcagatcccg gtgaaaggca 180

agctgctgct gctggagccc gaaaagcaag atggtgctga ggatgctgtg gcccagcca 239

<210> 9828
<211> 492
<212> DNA
<213> Rattus norvegicus

<400> 9828
ttagctgtcc agaactcctt ttgttacttg aactactaat tgaagattga cgtgtccaaa 60

gcctcaggtt tggctctggc agaggagtgg acagcagctg attgagatac aagcccatct 120

ggagacagga ctgccactga cagaagacat gggctgtgtc taaatccaat ctgggacccg 180

gccgcatggc tgccttcacc tgttgtaatt cttcatacag catcttggca ccacctctcc 240

gtggatcttc actatctacg taaaacaacc caaagacagc gtttccagac actgcatcag 300

tttgcccttc cccacattcc atcatcaaag ccacaaagac aatcagtgtg aaaactggtc 360

acttttcttt tctggtttca taaatgtctt ccatacactg aaggtccctt ttgactttat 420

tcaacccaaa gttactgatt tttccttaaa ataagatctc tcccatagta tgctacctga 480

ccttaaacaa gt 492

<210> 9829
<211> 526
<212> DNA
<213> Rattus norvegicus

<400> 9829
tcccggcggc ccagagagag agcaagtcgt gcttggtgtg gacggaggaa ccacgcggtg 60

ttgtcatggg ccacttttct tgtacggttc ccaggcccca aaatccagcc agtgagatta 120

ctttccagtg catcaattat gggtcagctc aaaagttgaa ttttaacaga ccacaaaagt 180

ctttcacctg ctttaaatct gggcacattg ttacttaact gctcccctcc cccatataca 240

ctctatcttt agccatttct cacagtgcat ttggtaatga ccgggggagg ggggaatgaa 300

tgcgcttttg taaagctatt tccaaaccaa cggtggaata tttttgtaga ttccaaaacc 360

caaacggttt attttttttt aaaaaaaata ggggggtctc ttttttcttt ttttttttt 420

ccaaataaaa gtcgggggggg gatcatatgt tggcaagatc agaggacaaa ttgtaggagt 480

cagtttttc ctttccacta agttgaccct ggtaacgaca cattaa 526

<210> 9830
<211> 560
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (129)..(131)
<223> n is a, c, g, or t

<400> 9830
atccactcag ggttcttaat ggtgctgtat gtgatcttga taggatttgc ttaaatggcg 60

tgtgcgtgga atcgagattt cttaaggctc aatcaacatc gtgtgcagaa gccaagtgca 120

acgggcatnn ngtgtgcact tcccgtggtg actgccattg ttctgagggc tttcaacctc 180

ccagctgtac acctaaggaa ggaggagact catcttggta tggcaggcaa ggtctgccca 240

tggaaggagc ttctaggaac cgtgagaaga agtggctctt aagtttgtac attgtcttaa 300

ttatcctcac gacagcagtc gtcctaggca cagggtggaa aggcttgaaa aagtgtcgct 360

tcaaggagga ggaatccatg agcagcgaaa gcaaatcaga agacaacact caaacgtaca 420

acagcagatc aaaatccgag gcaagcagtg gatcacctac gagcagttaa ctgctacccc 480

ttcaggagga agaggatggc acccaggggc tcactgagaa atgaagagtc cacggtcttc 540

ccttggtcac agctgaagga 560

<210> 9831
<211> 555
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<400> 9831
tcccaaacta acttctgcga tcgaggagct tgcaatggaa gtttatctcg gttggattat 60

gactgcaccc cagaaaaatg caattttaga ggagtgtgta ataatcatcg gcattgccat 120

tgtcatttag gttggaaacc tcctctgtgc agagaggagg ggcctagcgg gagcanggac 180

agtgggtccc ctccgaagga aaggcgcaca ataaaacaga gcagagaacc actgttatat 240

ttaagaatgc tctttggtcg tctttattta ttcattgtct cgctgctctt tggagtggcc 300

actcgcgcag gagttattaa ggtctttaag tttgaagact tgcaagctgc tctgcgggct 360

gcacaagcca aggcgactta aagatgaacg aggtcctcgt aagataaaga gaatgcaaaa 420

atgcatgtca agaggggaca aggtagaact ccagtccaca gttctggaga gccttcatct 480

atatcgtggg gacgcaagag gttttggatt tggataccac ctgacattgg tgggttactg 540

atgctcacac tcgaa 555

<210> 9832
<211> 507
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(334)
<223> n is a, c, g, or t

<400> 9832
aggaggttga gattgcccac tgccataagg ggcagtactt tggagaactt gccctggtna 60

ccaacaancc aagagctgct tctgcttatg cggttggaga cgtcaaatgc ttagtcatgg 120

atgttcaagc atttgagagg cttctgggcc cctgcatgga catcatgaag aggaacatct 180

cacattacga agaacagctg gtgaagatgt ttggctccaa cttggatcta ttggaccccg 240

ggcagtagat gtgatgaatc tcggagcctt ctcagtgtga taccaaatcc ttccagtcag 300

ccacaagaac acacccagaa aacagacacn nnnnaactgc gcctgctgct gtctctgctg 360

ctgccatcgc tgtggtaaag ggcacttaga agtcttgaaa gatggacaga ggctctaccc 420

acacccacct tccactttgc ttctgaacgc cgtcattaga ccacttatgt cacgattact 480

ccagcccagg tttcacgttt ggttcag 507

<210> 9833
<211> 496
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<400> 9833
tcctcctacc gagtacagac agaagcccag gaagagggtt ggcatgactg tcacagggaa 60

acaaacgcga gttcttcaga tccctaccag gattatgagg agtactggag agcgtattac 120

agggcatggc aagaatatta tgctgntgct tcccattcat actattggaa tgctcagaga 180

catccgagct ggatggctgc ctatcatatg aatacagttt atctacaaga aatgatgcgt 240

ggtaaccagt gaggttagca tgtgcctgag actgttgact gtcaacagat cattagatac 300

acattcttca cctagagcaa gtaggattcg gtggcatttt ggaggaactt gagaggactt 360

gaggctttct actgggacac aattattttt cagattattt ttagaacttg gctctaaaga 420

cccccccaag gtgccacttc atgtaggctg gtcccaaaag aaacctttaa ataggtgaca 480

tatgccactc cttact 496

<210> 9834
<211> 544
<212> DNA
<213> Rattus norvegicus

<400> 9834
ggcgaatgtc taaatcccca gttgacagct ctgtcctgga aggggtgaag gacctgtacc 60

tggaggctgc ccaccaaaat ggtgacatga tcgacccaga cctgcagacg ggtcttggag 120

ttctgttcca cctgagtgga gagttcaacc gagcgatcga tgcatttaat gctgccttaa 180

ctgttcggcc agaggattac tcgttgtgga accgacttgg ggcaaccttg gcaaatggag 240

accgcagtga ggaagctgta gaggcctaca cgagagcact ggagatccag ccaggtttca 300

tccggtccag gtacaacctg ggaatcagct gcatcaacct gggtgcctac agagaagcgg 360

tcagcaactt tctcactgcc ctcagcttgc agaggaagag caggaaccag cagcaggtcc 420

ctcaccctgc catctccggg aacatctggg ccgccctcag gattgcgctg tcgctgatgg 480

accagccaga gctcttccag gcagccaacc tcggcgacct ggatgtcctc ctgagagctt 540

tcaa 544

<210> 9835
<211> 409
<212> DNA
<213> Rattus norvegicus

<400> 9835
gagtaacgcc atcttgcggt acatcgcacg caagcacaac atgtgtggtg acaccgaaga 60

agaaaagatt cgagtggaca tcatggagaa ccagataatg gacttccgca tgcagctggt 120

tcggctctgc tacaattcta accacgaaag cctgaagcct cagtatttgg aacaactgcc 180

tgcacagctg aaacagttct cgttgttcct ggggaaattc acatggtttg caggagaaaa 240

gctgaccttc gtggattttc tcacttatga cgtcttggac cagaatcgta tgtttgagcc 300

caagtgcctg gatgagttcc caaatctgaa ggctttcatg tgccgttttg aggctttgga 360

gaagattgct gcattcctgc agtctgaccg ctgcttcaag atgccaatc 409

<210> 9836
<211> 316
<212> DNA
<213> Rattus norvegicus

<400> 9836
tgaggcagag tctcatgctg ttctgcttac cgccgttgaa tctaggtacg acttcgttgt 60

cactgcctcc gaaactaaca gcgtcgtcgt ggaggaacca cacgttgaca caaagaattc 120

gcctgaaaag gatgcagcag agtctgtcac taatgtcaca gaggaatttc cttcagtgac 180

ctctgtagta gaacagagtg ggaacaagga ggacttatct accaatgact ccggtatctt 240

taaactgctc aaagaagaac cagatgaact catgatgtaa aaccagtaac ataagggaag 300

ccacatagac acacat 316

<210> 9837
<211> 395
<212> DNA
<213> Rattus norvegicus

<400> 9837
tgctagctta cgacgctgca tgttaccttc ctgtaggatt gtgtgaactt gcagaatctg 60

tgcttatttt tactttattt ttggtccatt tagtagccta tccagtactc ttctgacctg 120

tgaaatggag aattacttat gtctggattc cagccatatc cttgatgtga ccagcatgaa 180

gggtgtctca catgtatgcc agggcttgct gttgaaatgt aaaatactaa ctattctcct 240

aacgtctttg cctcagttga ttcaagtttg gctttcaaga tgtacacccc taaattccta 300

actaatatag ttcttttgtt caatcaactt gggagtttaa atggttctta ttgaattaaa 360

agatctaatt gtgccccaaa agtgctttac catgc 395

<210> 9838
<211> 436
<212> DNA
<213> Rattus norvegicus

<400> 9838
atgactccct ctgcaacaac aggaacaact tagcttcaat cttgcaagca ccagagccca 60

cagcaacctc caacatgtca ggagcccgcc actgcccaac atgcttggcc ctggagccct 120

gttccagtgc cccctctatg ccctgtgcca atggcacaac tcagtgctac cacgggaaga 180

gtcgagctct ctggaggagg catggactcc gtcgtgcatg ttaaaggctg caccactgca 240

atcggctgca gactgatggc caagatggag tcggtgggac ccatgacagt gaaagagacc 300

tgtagttacc agtcattcct tcacccccga atggcagaga tcggggcctc ctggatgccc 360

acctcactgt gggtgctgga gctcctgctt ccggcgctgt cgctgcccct catctacttc 420

ccttgagagg acaccg 436

<210> 9839
<211> 348
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (26)..(27)
<223> n is a, c, g, or t

<400> 9839
tagctgcgga cagaattgct ggcctnntag aagctttgga acgagcagtc aagatgagtg 60

ataaaccaga cttatcagaa gttgaaacat ttgacaaatc aaagttgaag aagactaata 120

ctgaagaaaa gaatactctt ccttcgaagg aaactatcca gcaggagaaa gaatataatc 180

aaagatcata aaatgagatt ctcctctcaa gagcaacttc aactttgctg gatagtcttg 240

gatttagaca tgtttctgta aacctatcca atatgtagac attttaggcg gttcctgata 300

ggttcttaag taccctgact gaaaggtcag catttaacac caatcatt 348

<210> 9840
<211> 469
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<400> 9840
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ttatagagat ngncaagaat gnnnnngant ttgncatgtn tntggagcat gtcctgttcc 120

anttcaatga aaaccagant gatgattttg ccnacaagtt cctgagagtc cggagaagtc 180

ttcgtaagaa atatacgcag aagtatttag tagacctgga gatggnccgt acactttgtg 240

ggaaatatga tgaagacatt gacaattgtc cattgcagga aggcccagga gagaaaaagg 300

tacgctgcac ttacantgtg gagantagag tatgggtcac tgagttcacc atcttgaaca 360

gcacctgtgt gcagacttaa gtggggcaag ggtctttctg tgcctgtagc tgaaggctcc 420

tttcctctag agggtcactg tctgtgtcct tgggtctttt tagtaccag 469

<210> 9841
<211> 447
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<400> 9841
gaacgtcagc agtaccagga ggcactgaac atgctgtcat ctgtgccaaa ggacgaaaac 60

aagatgttct ctttcccngg tgaatttctg ttacctgccc ataaagtcaa gcattcagaa 120

ggtgttatag tccaacaggt caatgatgaa acagatttcg aagccttacc ctgggacgga 180

aacaatccaa gtgtttctga cagttttata gaccaggaga cctctgtgga tgtcattgaa 240

ggtgacagtg actttgaaat ggttgagact tccagggaac tctgctgtct gagcacatca 300

ctgtccccat ctgttccact ccccagcatt gaaggtggca gtaatcatga taaggaatta 360

tcgactctaa aaatcatgga aatgagcatt gaagactgac ctttggatct tcattaataa 420

atactccatg tggccagtaa ctcaata 447

<210> 9842

<211> 477
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<400> 9842
aagcagatgt gcacctgtct gcagaaaggg ccaaagccga gggccgcctc cagaacatgg 60

acttcctgaa agccaaggcg gcggagttcc ggtttgggat ccgagctgca gaggagcaac 120

tttcatccag aggcatggac gcgtccctgt ctcatcggtc actagtggca ctttcagaca 180

aactttcgga attaaaacag cagactatcc ctctgaagaa gaaattggag tcctatttag 240

atctaatgcc gaatccatct cttgctcagg tgaaaattga agaggcaaag agagaattag 300

atgccatcga ggctgaactc acaaagaaag tagatatgat ggagctgtga ggacgccaag 360

tagangcctc tcctgagaag gagatgacag ttcttagaga caataatgtc tttattggta 420

aaataacagg gcttggttct gcatttacat tttgtggcct gaatacagtt ttcctat 477

<210> 9843
<211> 447
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (74)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<400> 9843
gagtggccgg cgtggcacac tgcggccagg ctggcctgcc gctccatgtc catctgagac 60

tagggctcgg agcnnncagn ttccccatga ggnacctctc ctgatccatc cgcactttac 120

tantccagnc tgaaagccca gagttccctc ggccccttcc cctgactatg aaggacaact 180

gattccatct actacccnat atatcagaga tcaacactaa gggnccagtg tnnccagagg 240

gccctcccag gctccctggc cactgctgcc cacccccctct cccacttcct gatgtcaggg 300

attagagaaa tggggttcca ccccgtcatc aggtgaaatc caggctaatg aaacccagcg 360

ccattcngcc attcgacttt gcccctcgca cctgcagcct ctccaccctg cagccgcccc 420

acaaggagcg ctcctagctc ccaaagg   447

<210> 9844
<211> 445
<212> DNA
<213> Rattus norvegicus

<400> 9844
gtacgagctg gactatggca aacatgagct agtcaacata aggaaggtgc agcccctagt 60

ggacgtgttc cggaagctgc cattccaggc agtcactgct caacttgcag gagtgaagtg 120

cagccaatgg tcggaagagg cttcaatggt gtttcgaaat cacgtggaga agaaacccct 180

ggtggcactg gtgcagacag ttattgaaca cgctaaccct tgggaccgga aagtagtggt 240

ctatctagta gacacatcgc tgccagacac tgacacctgg attcatgact ttatgtcaca 300

gtatctggta gagctttcaa aagctaatta atcactgctt gagaccttga ccgttaatgc 360

agattgttct ctaagcaata atacaaaatg tgtagtaggg tcttaaaaca tcttattttt 420

actacatggc tctgactgtt gtgga 445

<210> 9845
<211> 356
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<400> 9845
gccaaggtag atcaggtcct gcacacacag acagatgtag acccagctga ggaatatgcc 60

cngctctgcc aggagatcct tggggtgcca gccacaccag gtaccaacat gccagccact 120

tttggccacc tcgctggtgg ctacgacgct cagtactatg gctacttgtg gagtgaggtg 180

tactccatgg acatgttcca cacacgcttc aagcaggagg gtgtgcttag ccccaaggtt 240

ggcatggatt accggaccag catcctgagg ccgggggggct ctgaggatgc cagtaccatg 300

ctgaagcagt tcctgggccg tgaccccaag caagacgcct tcctcctgag caaggg 356

<210> 9846
<211> 536
<212> DNA
<213> Rattus norvegicus

<400> 9846
tcatcagagg tatcctggag tgcgttgttc agggcatcca gatgactgac taggaactta 60

tttcacagtt cagggacaag acttcatagg ataggtagcg attaagtagg caggaattag 120

aactcttccc tgcccatact cccctgctca ccaaacagta cccgtcggca tcatgaaggc 180

tgttggctgg ttaagcttca ccctagaaac cctctgcagt ttcactttga aacactctga 240

attcctttct ggtagaggcc gagttccagg catactctcc ctctccacaa gaattgcctg 300

tttttgtcgt ctgccattaa gtcacctggg gtgaatgtac acaagcccac agcagtgtgc 360

ttaacacaga gatggggctc tgttccgtca ccagaattct cggtgaccgg ttcaccctat 420

gccatagcag ctcagcttcc ttcacggtcc tttggaagga ctgtgtctgc ctgggtgaca 480

agatgtcctg gctgggagaa catcaaggca gggctttgct ccagacctgt tatgaa 536

<210> 9847

<211> 450
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<400> 9847
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tagccgtctc ctggagtaca cgccgaccgc ccggctaaca ccactggaag cttgtgcaca 120

ttcatttttt gatgaattac gggacccaaa tgtcaaacta ccaaatgggc gagacacacc 180

tgccctcttc aactttacca ctcaagaact gtcaagtaac ccacctctgg ccaccatcct 240

tatccctcct cacgctcgga ttcaggcagc tgcttcaccn cctgcaaacg ccacagcagc 300

ctcagatact aatgctggag accgtggaca gaccaataac gccgcttntg catcagcctc 360

caactctacc tgaacagccc caagtagcca gctgcgcagg gaagaccagc acttacttga 420

gtgccactca gcaacactgg tcacgtttgg 450

<210> 9848
<211> 445
<212> DNA
<213> Rattus norvegicus

<400> 9848
aatccggaga agtaccagtg cacaagctgc agtctctcaa aaaggtgctt cagagtgagt 60

tttgtacagc aatccgagag gtgtatcaat acatgcatga aacgattact gttaatggct 120

gccctgaatt ccgtgcgagg gccacagcaa aggcaacagt tgcggctttt gcagccagcg 180

aaggccactc ccaccctcgg gtagtcgaac tgccaaagac tgatgaaggc ctgggtttta 240

acgtgatggg aggaaaggaa cagaattctc caatttacat ctcccgcatc atccctggag 300

gggtggctga aagacacgga ggcctcaaaa gaggagacca gttgctatca gtgaacggag 360

tggcccttga agaaaagcta gcaggtcaat catccaacag tcacaaattt gggaacccgt 420

gctccggaat cccagcacat agaaa 445

<210> 9849

<211> 505
<212> DNA
<213> Rattus norvegicus

<400> 9849
agtcctcaag tgaccagtct tctgatgtat cttcaggcga acaagtttca ggtgaaaagc 60

ttgaagaggc aggtgaacag gtgtctggcg aagacaaagg aaacgaagtt ataagtacac 120

cacttccaag cacgtcttca ggtgggataa taaattgcca cacatgtgct tatatgaatg 180

aagatgcaaa atgtctccgt ggagaaggaa tatgcaccac tcaaaattcc cagcagtgca 240

tgttaaagaa gatctatgaa ggtggaaagc tccagttcat ggttcaaggg tgtgagaaca 300

tgtgcccatc tatgaacctc ttctctcatg gaacaagaat gcaaattatg tgctgtcgtc 360

atgaagctct ctgcaacaag gcctagaagc ctgtgcccta cttcctgctc tggctcaggc 420

agattcacca ctctacttgg ctcaatttat attcaacttc aacaactaat caccagataa 480

gaagctcaac cctaatcttt attaa 505

<210> 9850
<211> 451
<212> DNA
<213> Rattus norvegicus

<400> 9850
aatcttcttg aagggctgac acgggagatt ctgagggagc aaccggacaa tataccagct 60

tttgccgcag cgtattttga gaaccttcta gagaaaagag agaaaaccag ctttgatcca 120

gcagaatggg gggctaaggt agaggaccgc ttctataaca accacgcatt caaggaccca 180

gaacaagctg aaaaatgtga acaagaaata gccaaggcat ctggaagaga agaaacacca 240

gtcactccct tcgaggagtc tactgaggaa gaaagagaac aagaggaggc agctgtcaaa 300

atccagtctg ccttccgggg acacgtggct agagaagagg taaagaagat gaagtcagat 360

aagagtgaga acgtgaaaga agaggagaac aattgagacc acaggtttta cccccaggaa 420

acatgaaaag taatccaaag ccatcagtgt t 451

<210> 9851
<211> 311
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<400> 9851
gacacaggcg ctgcaagagg cttcacagga tccacaagag gcgccggtca tgcagaaggc 60

ggaggagaca ctcctgccgc cacaggaggc ggcatcgcag aggctgcaga agatcccgaa 120

ggaggaggag ctgcaggtgc aggaaatgca ggtggcacta ttattaagcc tccccaggnc 180

gatccattct gcctggagct aaggaagtca cctgcctcag gaagtcacct gcccaagcaa 240

agtcatgtaa ggccacaaca ccattccatg ttgatatctg agccctgagc tgccaaggag 300

ccacgaaatc t 311

<210> 9852
<211> 463
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<400> 9852
atggacacca agatgcagag ccttcccacc actcatcccc acccgcacag ctcctctcgg 60

cctcaaagtc acaccaataa ccagtgtgcc tgcagccacc actgccggag ctgcagccaa 120

gcaggccacc cgagctccag ttccagcccc agcnctggcc cgccgacgaa gcaccccaaa 180

acacccatgc actctcgtta ctcaccttca agacccagcc accgcggcag ctgccccaag 240

aacaggaaga ccttggaagg gaaagtgagc aagagaaagg cggtcaggag gcggaagcgg 300

actcacagag ctaagaggcg tagctcagga cgaagataca agtgacacac tccaggatgt 360

tcctgtgtcc atttgatccc aaaaggagat agccatcact aggggaatgt tgggatgaca 420

gtacaggaac atgtcactgc agcaatttct atgcaacatg gat 463

<210> 9853
<211> 457
<212> DNA
<213> Rattus norvegicus

<400> 9853
tcactgccaa ggtgcagggc ttacagcaga gctgccggca catggaggct gagctgaagg 60

aattaacaag tgcgctgacc actcctgaga tgcagacaga gattcaggag ttgaagaagg 120

agtgtgctcg ctacacagag agactgaaaa acatcaaagc agctaccaac catgtcactc 180

cagaagagaa ggagaaggtg tacagggaga gacagaagta ctgtaaagag tggaggaagc 240

ggaagagaat gaccacagag ctgtgcgatg cgatccttga aggttacccc aagagcaaga 300

agcagttctt tgaagaagtt gggatagaga cagatgaaga tcataatgtt acgctcccag 360

acccctgagg ggcccttgat ggaggtggga acagaccgtc ctgctttggc caccttactg 420

aggtggcctt tttattcttg ctgttctcca cctttga 457

<210> 9854
<211> 449
<212> DNA
<213> Rattus norvegicus

<400> 9854
ttgtgcaagc tcactacttc agatgtgtca accttcatgt tgaagtctcc aaggacctca 60

aggagagctt ggaggtggtc aaccaagccc agttggctct cagtttcgca aggcttgtgg 120

aagaacaaga aaataagttt caagctgctg taatagaaga actacaggag ttgtctaatg 180

aagccctgag gaaaatatta cggagggatc ttccagtgac acgcactttg attgactggc 240

aacggatcct ctctgacttg aatctggtga tgtaccccaa attaggatac gttatttact 300

ccaggagtgt gctgtgcaac tggataatat aaaaggttgc tgctccacat tatcgtctca 360

agccaaagtg ctttctggga agtcagtgct tagatagtgc tgagaagctc ttggactagt 420

actaagcctg tctttagcct ataccagtt 449

<210> 9855
<211> 532
<212> DNA
<213> Rattus norvegicus

<400> 9855
ggacaataac ctcttgggca agttcgacct aactgggatc cctccagcac cccgcggcgt 60

cccccagatc gaggtcacct ttgacatcga tgccaacggc attcttaacg tcactgctgc 120

agacaagagc accggcaaag aaaataaaat caccatcacc aacgacaagg gtcgtctgag 180

caaagacgac attgaccgga tggtgcagga ggcagacggg tacaaatcgg aagatgaagc 240

taatcgcgat cgcgtggcag ccaaaaacgc ggttgagtcc tatacctaca acatcaagca 300

gacggtggaa gacgagaaac tgaggggcaa gattagcgag caggacaaaa acaagattct 360

cgacaagtgt caggaggtga tcaactggct tgaccgaaac cagatggcag agaaagatga 420

gtacgaacac aagcagaaag agcttgagag agtgtgcaac cccatcatca gcaaacttta 480

ccaaggcggt ccaggcggcg gcggctcctc tggaggaccc accattgagg aa 532

<210> 9856
<211> 501
<212> DNA
<213> Rattus norvegicus

<400> 9856
ttgaactatg attgcacccc agaaaaatgc aaccaccatg gggtatgtaa taacaagaag 60

cattgccact gtgagcccac atacttacct ccggattgta aaaatacgga ggatacatgg 120

cctggtggga gcgttgacag tggcaaccag caacgggctg aatccatccc tgcacggtcc 180

tatgttgcaa gtgcctaccg ctccaagtct gcaaggtggc catttttcct gatcatccct 240

ttctacgtgg tgatccttgt cctgatcggc atgctggtaa aagtctattc ccaaagaaaa 300

aaatggagaa tggatgactt ctcaagtgaa gaacaatttg aaagtgaaag tgaatccaaa 360

gactagtctg gacagcaaag attccagtgt catgtaattc tcttcagtgg acagaaaaaa 420

aagtggaaaa gaaaaaccta tgcatcatct gtttgcctga aagtcaagcc tgcatgttgt 480

ggtttccatc tggccagaaa t 501

<210> 9857
<211> 442
<212> DNA
<213> Rattus norvegicus

<400> 9857
caatgtgaag ctggtttcgc tcctccagaa tgtgacatga ccccttcatc tccaggaggg 60

agcatggacg atggattttg gctgccctta gataaaagca caccgttggt tatcaagcgg 120

cctggcactc aatataaaaa gggacttttg atcagtttct atgtcttcct gccttttctc 180

attgtgacag ccattatggt tgttaagcag aatatctcaa agatgttcgg gcaaggagag 240

gaagagttta gtgaaggatc catatcagaa gaaattaacg acagcaagca gtcatagagc 300

caaagcattt atgcaacagc aaagccacaa cagaaaaaga tcaccaagaa agtcaccatt 360

ccttggtctt atttcgagaa caagaaccag tccatctctt tctccgtggc ttactggttt 420

cagttatcca tgcctccaaa ta 442

<210> 9858
<211> 420
<212> DNA
<213> Rattus norvegicus

<400> 9858
gtccatctgc agcatgttac ttaccaagga tccaagtaaa aggctgggct gccagagtga 60

tggagcctct gctgtaaagc agcacccaat attcaaggat attaacttca gcagactgga 120

agcaaatatg ttagacccac ctttctgtcc tgatcctgag gccatttatt gtaaggatat 180

cttggatatt ggacagttct ctgtggtgaa aggagtcaac ctggacacca atgatgagat 240

cttctacact caatttgcga cagggtgtgt caccattccc tggcagaatg agatgattga 300

atctggatgt ttcaaggacc tcaatgaata tgaagataaa ggtctgtcac cacttgaaaa 360

acacaagata tgttcctgta ttcttagacc aaagagaaac ttcttccata gactcttcag 420

<210> 9859
<211> 560
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<400> 9859
gtgaaggctg tggtggcctc ttctcggctg ggaagtgcca gcagcagtca caccaacatc 60

caagaaagca acaaagccag ctcggaggca cagcccgccc aagacggcaa ggacaagaca 120

gatcctctgg aaaacaaaat gcaagcgggg gaccacgagg cagccaaggc tgcagccgat 180

gagacgatga agctacagtc cgaggaggtg gaggaagagg aaggtgtaaa agaagaggag 240

gaagaggaag aagaggaaga ggagacctcc aggatggtac ctcaggagcc agaggacagg 300

ctggagacag atgaccagga aatgaagaga aattcagagg agacgttgaa gagtgtggag 360

gaagaaatgg acccgaaagc tgaggaggaa gccgctgccg tgggacttgg ggtccctcca 420

cagcaggatg ctattctgcc agagtactaa cccngcttcc tttagggccc caggccaacc 480

ccagcatttt atgcactttg tccttcagca aggtggggaa gcatgataag cactatagtg 540

attctgtttt gaggtgcaaa 560

<210> 9860
<211> 368
<212> DNA
<213> Rattus norvegicus

<400> 9860
tgctggcaga accagttcct ggcattaaag cagaaccaga tgagagcaac gcccgttatt 60

ttcatgtggt cattgctggt ccccaggatt ccccctttga gggagggact tttaaacttg 120

aactattcct tccagaagaa tacccaatgg cagcacctaa agtacgtttc atgaccaaaa 180

tttatcatcc taatgtagac aagttgggaa gaatatgttt agatattttg aaagataagt 240

ggtccccagc actgcagatc cgaacagttc tgctatcaat ccaggctttg ctaagtgctc 300

ctaatccaga tgatccatta gcaaatgatg tagctgagca gtggaagagc aacgaagccc 360

aagccata 368

<210> 9861
<211> 491
<212> DNA
<213> Rattus norvegicus

<400> 9861
ggtgggtaca agatactgct cagaaggggt aaaggtcccc aacctataag acaatgagat 60

ggcttttcag tggaagccat ttacagctaa atgtttaaat gaatgaaaag ctaggtgaag 120

aacatgaatg ttcctgtact cattttattc caaaagacct agagcttaaa tgaacattaa 180

agccaaccag actaagccaa cccacctcct gtattttaaa gtctaattgg tcaacaaaaa 240

tagatcggca ctatcggtcc ataaagtgtg cctggctttg ttcccaaatc ctttatacac 300

ggatgactca acctattttc tttcacactt tctctccata ttctttggtt tacttgcggt 360

ttctcagttg attcatcact aatagctctt atttttatta tattaactgc ttaatctatt 420

tggatgtaaa ggtagacatt caacttgatg aaaaaagctt gtgtatagag acctaattgc 480

tcctcttgga g 491

<210> 9862
<211> 460
<212> DNA
<213> Rattus norvegicus

<400> 9862
taggcaaagt catcccagag ctcaatggga agttaacagg aatggcattc cgggtgccaa 60

ccccaaacgt atcagttgtg gacctgacct gccgcctggc tcagcctgct tcctacactg 120

ctatcaagga ggctgtgaaa gcagcagcca agggacctat ggctggcatc cttgcttata 180

cagaggacca ggtggtctcc acggacttta atggcgattc ccattcttcc atctttgatg 240

ctaaggctgg aattgccctc aatgacaact tcgtgaagct tgtttcctgg tacgacaacg 300

aatatggcta cagtcaccgg gtagtcgacc tcctccgcta catgtttagc cgagagaaat 360

aaaggcccct ccttgctccc ctgcgcacct cgcgtacctg ccttcggctc cccttcaaaa 420

gagggcgcac ttcgcgctgc cgccgggtca acaatgaaat 460

<210> 9863
<211> 423
<212> DNA
<213> Rattus norvegicus

<400> 9863
agctgtgcag aatatcatta ccgagttacc tgtgaattct cacaagatag tactggagtg 60

ggcttcaccc agaaatttta cttcagtttg tgaagaactg gttagtaatg ttgaagattt 120

gaatgaagag gtctgcagac tgaaggagtt gattcagaag atgcagaatg aacgggaaaa 180

tgatccaact cacatcccac tagtagaaga ggtgtctcca tggaagactc ggattttgaa 240

gaggtcagca gttacagtat gtggattcgg gctgctgctt ttcatctgca agctaacttt 300

ccagagaaaa tgatactaat atttatttaa gttatacatg tacatcttat tcaaagtgtc 360

ctagcattgc ttttaatcat ttgtgataca acatagcttt atttccttgc ctatactcca 420

tag 423

<210> 9864
<211> 390
<212> DNA
<213> Rattus norvegicus

<400> 9864
acagtactga catgtgtgac cacttgacga gtgaaaaagt ctagcaatag gcacatggtc 60

tgtacatgac tcctcctgtc acagaagagg cacactgcac tgtagaaatg ctttagagtc 120

tgttcacaga gtgtgaaatg ttaaacactg tccttctcct gtaagaactt ttttttttt 180

ttgagcattc gtttgggggc tatttggcta gttagtaaga aacatttgtc agtcatccca 240

cagcaacttt acagataagc ttatacccaa aagaataagc ctgtttcata aatcaatgta 300

tctgaaaccc atttcttggc ctaaatattg tgtacctatg agtacctaaa cttgcagcaa 360

cattttagga gctccatttt gcaactgact 390

<210> 9865
<211> 403
<212> DNA
<213> Rattus norvegicus

<400> 9865
agcagccagt actgattacc acaagaaagg ctttgttatc cctggactga gggtgaatgg 60

gatggatatt ctcagtgttc gtgaggcgac caagtttgca gctgatcact gcagatccgg 120

aaaggggccc attgtgatgg agttgcagac ataccgttat catggacaca gtatgagcga 180

tccagggatc agttatcgta cacgagaaga agttcagaac gtgaggagta agagtgatcc 240

aataatgctt ctccgagaga gaatgataag caacaacctc agcagtgttg aagaattgaa 300

agaaattgat gcagatgtga agaaagaagt cgaggaagca gctcagtttg ctacaactga 360

tccagaacca cctctggaag atttagccaa ttacctctac cac 403

<210> 9866
<211> 386
<212> DNA
<213> Rattus norvegicus

<400> 9866
gaagagcaag cagccctagc aagcaatggc cccagatgtg gccgtgaggc tgtgatgtca 60

caaagttatc tggaaactcc tggccctgaa gttatcgtca acaatcagtg ctctacaagc 120

aacttgcaga agcagctgca ggctgtcctg caatggattg cagcgtctca gtttaatgtg 180

cccatgctct acttcatggg agatgatgat ggacaactag agaagctccc tgaagtttca 240

gctaaggcag cagagaaagg ttacagtgta ggagatcttc ttcaggaggt catgaagttt 300

gccaaagaac gacaactgga tgaagccgtg ggcaacatgg ctagaaagca actgctggac 360

tggcttctcg ctaacctgta agctga 386

<210> 9867
<211> 544
<212> DNA
<213> Rattus norvegicus

<400> 9867
ttcatcagca tcgtgatcgt gcagtgggct gacctcatca tctgcaagac gcgcagaaat 60

tcactcttca agcagggcat gaaaaacaaa gtcctaatat ttggactcct tgaggagacg 120

atcctggcag cttgcctgtc ctacattcca ggcatggatg tagccctgag aatgtaccca 180

ctcaagataa actggtggtt ctgcgcactt ccctacagtg ttctcatctt catctatgat 240

gaagttcgaa aactcatcat ccgcagacgg cccggtggat ggctggagaa ggagacgtac 300

tactaattgc atcagagaaa gatcttcaca tgacatcagt ctcgaagcca agactgagta 360

taacaatgac atctgagata aagctgagca gggggcgcga ttgtatgggt tgaatttact 420

ttggatgagg cgagttctgg ggctggagca agagcatctg gtaggagatg gagtggagag 480

gaggcccagc ctgctctgcc tggggcccag cgagtaggtg cagttttgtt atatccagca 540

gccg 544

<210> 9868
<211> 513
<212> DNA
<213> Rattus norvegicus

<400> 9868
atcagcattc cagcagcagc atttgaacct gagccaggtt cagcatttcg gaactgggca 60

tcaagaatgg aatggaaact ttgggcatcg aagacagcaa gcatatattc ctactagtgt 120

taccagtaat ccattcactc tttctcacgg aagtcccaac cacacagcag tgcatgccca 180

tctggctgga agtgcgcacc tcggaggaca gcccactctg cttccgtacc cgccatcaac 240

tgccctcagt agtgctgcac ccgtggccca cctcctagcc tctccgtgta cctcaagacc 300

tatgttacag catccaactt ataatatctc ccatcccagt ggcatagttc accaagtccc 360

cgtgggcata aatccccgcc tgttaccatc cccgaccatt catcagactc agtacaaacc 420

aatcttccct ccacattctt acattgcagc atcgcctgca tatactggat ttccattgag 480

tccaacaaaa ctcagccagt atccatatat gtg 513

<210> 9869
<211> 432
<212> DNA
<213> Rattus norvegicus

<400> 9869
tagtgactcg aagaacccca acggtccttt actacgaagg aatttctagg tatatggaag 60

ggcaagtcct ccatcttcag aagcaaatag aagagcaggc cgagaatgct caggacagtg 120

gggtggagct acttaaggcc ttagagaccc ttgtggctca aaataccact ggccccgtct 180

tctaccccag gctctaccat ttgatggcct atgtctgtat actgatggga gacgggcaca 240

gttgtgactt cttcctaaac acagccttgg agctctctga gacacagggg aatttgctgg 300

agaaatgttg gctgagcatg agtaaggaat ggtggtactc agcccccgag ttgacaggag 360

atcaatggct tcagacagtc ttgagtctcc catcgtggga taaaattgta tcaggcaacg 420

taacccttca gg 432

<210> 9870
<211> 186
<212> DNA
<213> Rattus norvegicus

<400> 9870
gatttaaggt tttattgccg agcaaaatgg gagatgctga agcaggcaag aagattttca 60

ttcagaaatg tgcgcagtgc cacacagtgg agaaaggtgg gaagcacaag acagggccaa 120

atctctgggg ccttttggc cgaaagactg gacaagcacc aggattttct tacacggatg 180

caaaca 186

<210> 9871
<211> 290
<212> DNA
<213> Rattus norvegicus

<400> 9871
aagggccaag gagctcaaag tcagagtcat taaggccaaa gggggaaaag gagacgtccc 60

agacctgaag aagacagaga gtgaaggtga acaccgccag cagggcacag ctgaggacac 120

acaccccaca tcactggaca ggaagccttc tgtctcggaa ctaacaaacc ctgtccatcc 180

cagtgcgaat tctgacactg tcaaagaaga cccacactct gggggctgta tgataatgcc 240

acctatcaac ctgacaagca gtaatttgtt ggccgcaaat cccagttcaa 290

<210> 9872
<211> 474
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<400> 9872
tatctttgcg aacgccaacg actcacgcca catcccctcg gctgcgccag attttattag 60

agctactgcc gcgcctcctc ggcttgagcc cacccccaga ggatcccgga gctgcctcac 120

cagcgaggcg tgcctcatct gtgggcattc tgcttagagc ggaggagctc atcttgaaaa 180

agccgcggag cgaactcgtg tttgagggac agaggcatcg gcatggaact tggaccgcag 240

ccgccctctg ccagaacctg ngtgctgcag cccctgaagt ccgctgctgt gtggatgctg 300

tgaactttgt ggctgagagc acaagggacc aggaagccac tggagaggaa ctgtctgact 360

gggtgcgtat ggggaaggcc ctcgacaatg tctgtttttg ggcagcgttg gtgctcttca 420

gcgtcggttc tacgctcatc ttccttggag gttacttcaa ccaagttcct gatc 474

<210> 9873
<211> 501
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (330)..(330)
<223> n is a, c, g, or t

<400> 9873
gtgagctgtg agcatctgtc atctcagatc gaggagtgca tcttcctgga tgtgggaaac 60

actgacatga agtacaagaa ccgtgttcgg agccgaatct ctaacctgaa agatgccaag 120

aaccctggcc tacgccggaa tgtgttgtgt ggtgccatta caccccagca gatagctgtg 180

atgacatcag aggagatggc cagtgacgag ctgaaggaga tccgcaaggc tatgaccaag 240

gaggccatcc gagagcacca gatggcccgt acaggtggca cacagaccga cctgttcacc 300

tgcaacaagt gcaggaagaa gaactgcacn tacacgcagg tgcagacccg tagctctgat 360

gagcccatga ccacctatgt tgtctgcaat gagtgtggga atcgatggaa gttctgctga 420

gtccttgtac tgatgtagcc ctggccatgg ctaaccctga acctcctgca acgctcttgg 480

tggacacagc ttctctggag a 501

<210> 9874
<211> 351
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (122)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(144)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (151)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<400> 9874
tacaggtgcg cctggagcag atccgccaag cagacactct ggagcaagta cgtagcattc 60

tggacgaggc acccctcagg gacattaagg acattaagga ctngnnnggg nncnnnngan 120

annnntcnnn nnnnnnnnnn cnnnccnntt nncnnnnaga actgtgaggt gtngactgca 180

ggtctcagaa tggagtccgt cagctgcaaa cctggacagt ggtgtcccgg gccactactt 240

ccacccaggg tggctggccc tgccctcagg gatgatacct ggaagagggt cctagcctcc 300

tcccagaacc aaagctttca ggctgccatg ctccctcatg gatccagttc t 351

<210> 9875
<211> 417
<212> DNA
<213> Rattus norvegicus

<400> 9875
gcaagtgagt cagctggccg tgtttgtaga ggcggcgtta gactatcaca ggcagtccac 60

cgagatcctg caggagctgc agaacaagct agagctgcga atagctcttg catcccaagt 120

ccctaggcga gactacatgc caaagcctgt gaacacgagt tccaccaatg ccaacggggt 180

cgaacccagc tcttcgtcaa agttaacagg tactgacatt ccctcggacc agccctgctg 240

tcgtggtctc tatgactttg agccagaaaa cgaaggagaa ttgggattta aagaagggga 300

catcattaca ttaaccaatc agatagatga aaactggtat gaaggaatgc tccgtgggga 360

atccggcttc ttccctatta attacgtgga agtcattgtg cctttacctc ggtaaat 417

<210> 9876
<211> 500
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<400> 9876
aaaatgactg gagccggttc tcgatggaag agcaaagtcc tatgacagag ttgnttcccc 60

aatatacacg gaaagtcaaa accttcaacc ctcaccggtc ctcctcctcc tggggaagat 120

tcacaaaccc aggcgtctcc cagaagaaag caacacacac ttgggaatct cagtcactgc 180

ccaactatca gcttaaaaag gaggagctgc ttccgaagac aggagtgcat tcataccacg 240

gtggcaagcc ctatgtgaag agtgtaaaat ttcagaagaa aaacactgac aaaatgagta 300

ccttcagcgg cttattttgg gggaaccatc cccagaggaa gcgcagaggt ttcgcagata 360

aatgctgtgc tatagggtgc tccaaagagg agctggccgt cgcatgcctt ccgtttgttg 420

atttttaaac cttaacgatt aaacaaacat cactggtgac agagatgtac aaactgccgt 480

agaaaccatg ctcacttaat 500

<210> 9877
<211> 566
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (526)..(526)
<223> n is a, c, g, or t

<400> 9877
gacagaccta cagtggctgc ttcattgcag ctcaagcccc aaggagacgt ggaggacatc 60

acttgtacct tttgactgag ggaccatgac aaaacccttg ttgctctcct tgatcttctt 120

catcattcca gcggccctgg cagttgatgt ggatcagtct aagaatgaag tgaaggcaca 180

gaggtacttt ggatccatta gtatctccaa tgccaatgtg aagcaatgtg tttggtttgc 240

catgaaagaa tacaacaaag gaagtgagga caaatacctc ttccttctgg acaagacact 300

ccatgccaca cttcagatca cagaccgcat ggaataccac attgatgttc agatctcccg 360

cagcaattgc agaaaacctt taaacaatac tgaaaactgc atccctcaaa aaaatcccaa 420

actggaaaag aaattaagtt gcagctttct ggtaggagca cttccctgga atggtgagtt 480

cgacctgttg agcaaagaat gcaaagatgt ctaagggtgt cttggngtgc gcctcccct 540

tctgggtctg cttttctctg taataa 566

<210> 9878
<211> 522
<212> DNA
<213> Rattus norvegicus

<400> 9878
acgagttcat gtcgctgcct gagctgcagc agaatccact ggtgggccga gtgatcgaca 60

tctttgacac agacggcaac ggggaagtgg acttccgcga gttcatcgtg ggcacctccc 120

agttcagcgt caagggtgac gaagagcaga agctaaggtt cgccttcaga atctatgaca 180

tggataatga tggcttcatc tccaacgggg agctcttcca ggtgcttaag atgatggtgg 240

gaaacaacct caaggactgg cagctgcagc agctggtgga caaaagcatc ttggtcctgg 300

ataaggatgg tgatggccgg atatcctttg aagagttccg tgatgtggtc agaaccatgg 360

agatccacaa gaaattggtc gtgtttgtag atcacggtca agaagactaa aagcttaaaa 420

ataagagagg tgtacatctg tgcctttctt tctcgaggtt gtgtacatgg gagaagacaa 480

caattctcat ggagtattag gaactccttt cgtttacctg tg 522

<210> 9879
<211> 511
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<400> 9879
accgaatttc ttcgcctgca agatattctt caagaggaca aagtcagcag taccaatgat 60

agcgacactt gccaagctgg gtataccgaa gaaaatgatg aggccagcca cagtgacagc 120

gacattgacg ataatgtgaa cgtcatcatt ggtgacatta aagcaaactc ctccatgtat 180

atggagatgt tcactaatat gaactcacaa gctgaccaag acctgaaact aactgaatca 240

gacaatgcca tgtacccaac tgattaaaca agcaaggatc tgaaacgtgt caccatcatc 300

atccttattg gcctcatgca ttacaaatta aatggtgatg ggnaaataaa accttgtttt 360

taaagaaaat gacatcatct ntacacacca acctaaaagc aaatntatac caaactgcta 420

caacaaatgg agagtactta atttgagacc tgactgtttt gaacgttgga aatcctaaca 480

ttctaaggtc atctacaagc caactagtgg a 511

<210> 9880
<211> 543
<212> DNA
<213> Rattus norvegicus

<400> 9880
agaacgtgct agtcatttgc caccaggctg tgatgcgttg cctcctggcc tacttccttg 60

acaaggcagc agaagagctg ccctacctca aatgcccctt gcacacagtc ctgaagctca 120

cacctgtggc ttacggttgt aaagtggagt ccatattcct gaatgtggca gctgtgaaca 180

cacaccgaga cagacctcag aatgtagaca tatccaggcc ttcagaggaa gcccttgtca 240

cagttcctgc tcaccaatga cccatggcag gccctgacct ctgcggaggg gtcactccag 300

gccacttctt cctgtttgct gtatgaacgg tcaccatgca ggaacactca tgggtggctg 360

gtaacactca gaaccctcag cctaacccac ctgcctcctt ggtgacaacc agtgacgggg 420

ttgagtgtgg ctgctgacct gctgctgaga atctctgggc tacgtgctct gctgctggcc 480

cctttgctac agctctcaag cagtccgccc cccgggctgg ctgctttgtg acatttgcaa 540

cat 543

<210> 9881

<211> 498
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<400> 9881
cagagaccca tggtggtgga catatgtatt cgggaaattg aagcaagagg attaaaatca 60

gaagggcttt acagagtctc tgggttcaca gaacacattg aagatgtcaa gatggcgttc 120

gacagagatg gtgaaaaggc ggatatctct gctaacatct acccagacat aaacatcatc 180

accggagccc tgaaactgta cttcagagac ttacccatcc ccatcatcac atatgacacc 240

tatnccaagt ttatagaggc agcaaaaatc tccaatgcag atgagaggct tgaagctgtc 300

catgaggtcc tgatgctgct gcctcctgcc cactatgaga ccctgcgcta cctgatgatc 360

catctcaaaa aggttaccat gaatgaaaag gacaatttaa tgaacgcaga aaatctgggg 420

atcgtgtttg ggcccaccct gatgagaccc cctgaagaca gcaccctcac caccctccat 480

gacatgcggt accaaaag 498

<210> 9882
<211> 499
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<400> 9882
agaaatatgc tctcggaggc cacgccgcac cttccagacg gtcatcgaag atgaagacct 60

tttttcagga gattatttat tcactggtcc catgacncat tccagaagag gttcttccaa 120

cttctttaca gtcaccccca ttatagacac agggttttct acttttgtgt cccaagaatc 180

caaatcgagt cccgatgact ctgaagcctt tgtgccgtat ataagccatg gaatgggaaa 240

gttcagactg gtcaccactt gtagccagat aatgaatggt aagagagttg tcacaaagag 300

agttgtagag aacattcaag gaccaaagaa aatagagaac gaacggctat ttcgttggaa 360

tccctcacgt ggttggaaat tgatggaaaa tccctgctct tgatgacgag aaatgacgtg 420

ttgacgggac ttcagttaaa actggggcct gctctgaaaa tctatgagta tcatgtaaaa 480

cctcttcaga ccaagcatt 499

<210> 9883
<211> 539
<212> DNA
<213> Rattus norvegicus

<400> 9883
gataagcctc catttgtgat tagacatgtt gatcccccaa gtcccagggc tgacaatttt 60

tttggatcac ctggcagaga ctgtgaacga gatggatggg tcaggatgca cagtgatcat 120

cctcatcttg gctgctgcag agccaaggac tacaaggtta tcaggtcacc acatgggaga 180

gacttcgagg atccctttga aagatgtgag gactatttga gcccaaggac atgcagcaag 240

ccccagcatt cagcaaggac cttactagtc cattcagcac cttcaacaac tccaaagcat 300

tgtgcaagcc ctgtgctaaa cagagcctct ctcagggaaa gattccattc tgattggtgt 360

tcacctccaa actgtgatga gatccatgac cgggtaaaag atgtcttgaa atcacatcaa 420

gctcatggaa gacatttatg tgaagagcga gacccagaga aagaagacga actggaactg 480

aaaagaagtc ttttatatag agactccgcc tatgacagtg accctgaata tagctcctt 539

<210> 9884
<211> 462
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<400> 9884
gaacccagca tatttcttca aatggtaact tatcacagcc aagcctttat tacagaagaa 60

tgtgctgctt ccaatgtcaa aactctacaa tatagtcaca acttccagtt tgtgacaagg 120

ctatcctgcc acgatcctgt caccattgac aaactgaaga ataggttctt tctagaatgt 180

tcttccacta ttactctctt aactttccac ctgcttggct aattatctta tctgggtaat 240

atttaatatc agcttcctgt tcttagtaat gagcaaaaca acattctctg cagaaacaaa 300

ttttaagaat ttgaacctgt gctaacaaat attatctact ttttcacctt agaagaggct 360

attgtatttc ttaggtccta aaaaccagtt ttctttgtaa agctcacata tgcactcact 420

ccttctntag aaaaccagtt gagttaccgc aacaactatg ta 462

<210> 9885
<211> 410
<212> DNA
<213> Rattus norvegicus

<400> 9885
agatatccat taacgaccct tgcacccagg gacatgacat acatgtgacc agagatttgg 60

tgaagcaccg tctctcaaag tgtgacatgt taacggaccc gaatcaagaa gtcctggagg 120

aaagaacaag gatccagttt ataagatgga gccacacccg tatcttccaa gtgccaagtg 180

aaatgatgga tgacgtcatt caggagcgaa tagatcaagt gagacggagc gtctctcatc 240

tcaggtgtga ctcctccagt gatccatgct acagaaattc ttgctcagaa tgctaaggtt 300

gaaggcctcc agagtcgatg aatagcctgt gtccaatgag tgtccatctc atgtttgacc 360

tgaagggtga ccagacttga acagagagac tctaaattct gagcccttgg 410

<210> 9886
<211> 467
<212> DNA
<213> Rattus norvegicus

<400> 9886
tttccaacaa gctcgcggcg tcgaagccgc cctacccaca gcgccctctc tcggcgtagg 60

ctttccagcc gtctactcac agtaccaggt atcacttata acacagaggc acggcttctg 120

gtataccaat gagccaagtg gagtttgaaa tggcctgcgc ttcactcaag cagctgaagg 180

gtcctttgag tgatcaggag aaactgctgg tgtacagctt ctacaaacag gccacccagg 240

gcgactgtaa catccctgtc cctcctgcca cagatgtgaa agcaaaggcc aaatgggagg 300

catggatggt aaacaaaggg atgtccaaga tggatgccat gaggatctac attgccaaag 360

tggaagagct gaagaaaaac gaaacttgct aaagaacatt ttggcagaca caaggaagta 420

gcatggctcc actggtaggg gatgggctta agagttcctg acggctg 467

<210> 9887
<211> 446
<212> DNA
<213> Rattus norvegicus

<400> 9887
actggtctcc agtgaaaact tcgagaatta cgtgagggaa ctgggagtgg aatgtgaacc 60

ccggaaagtt gcatgtttaa taaagccaag tgttagcatt agtttcaatg gggaaaggat 120

ggacatccaa gcaggaagtg catgcaggaa cacggagatc tccttcaaat tgggggaaga 180

gtttgaagag accactgcag acaaccggaa agtgaagagc cttataactt ttgaaggtgg 240

gtcaatgatc cagatccaaa gatggcttgg caaacagaca acaattaaaa gaagaattgt 300

ggatggaaga atggtagtgg agtgcaccat gaacaatgtt gtcagcacta ggacctacga 360

aagggtgtag cagatgggta gacgccagta agaacttggc caccacagag aacttgctgc 420

tgaagaaact cagctccagg gacagt 446

<210> 9888
<211> 512
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (454)..(454)
<223> n is a, c, g, or t

<400> 9888
gtgcgcaagc ctgactatgc attgagctct gtgggagcct ccatcgacct ggagaagaca 60

tccagtgact acgaggaccg gaatactgcc tacttctgga accgattaag cttctggaac 120

tacgcccgcc caccctctgt catattggag ccagatgtgt tccctggaaa ttgctgggct 180

tttgaaggtg agcaaggcca ggtggtgatc cgactgccag gtcatgtgca gttaagcgac 240

atcaccctgc agcaccctcc acccactgtg gcacacaccg gaggagccag cagtgcgccc 300

cgggacttcg cagtctttgg gctccaagct gatgatgacg agactgaagt gttcttggga 360

aaattcatct ttgaagtgca gaaatctgaa attcagactt tccacctcca gaatgaccct 420

ccatctgcct tccccaaggt gaagattcag attntaagca actggggcca cccacgcttc 480

acatgcttat atcgagtccg tgcccatggt gt 512

<210> 9889
<211> 525
<212> DNA
<213> Rattus norvegicus

<400> 9889
agacgcgtcg gaatgccaag tggctgacag tggagatgat gcaggatggc caccaggtgt 60

ccctgctaag tggagaactc acggtggagc agcgggcttc catcattcag aggttccgag 120

atggcaaaga gaaggttctc ataacaacca atgtctgtgc tcgaggaatc gatgtgaagc 180

aggtcaccat cgttgtgaac tttgacctcc ctgtaaacca gtcagaagag ccagactatg 240

agacctacct ccaccgtata gggcggacgg gacgctttgg gaaaaaaggt ctcgccttca 300

acatgattga agtggataag ctgcccctgc tcatgaaaat acaagaccac ttcaatagca 360

gtattaagca gctggaccca gaagacatgg atgagattga aaagatcgaa tattgaagag 420

agagaggcct ttgttgtttg tgggctgtcc tagttgatgt gagaatgttt gagcagagtt 480

tgaagataat ggtctatgtt gaggctctgt cacgtgaaac tgtca 525

<210> 9890
<211> 527
<212> DNA
<213> Rattus norvegicus

<400> 9890
agaggccact tgattgctcc aaggtcctat caccatattt gtgacatagt tatgcccaga 60

cctcagacct ctcttgctca gtctagcgct acaaagctct gcaagaggct ggtcagcata 120

gataaaggcc accaggaagc acggttataa acctggtctc acacctatta gcaccatggt 180

tgagaaagga cattggactg agattctgaa atggtgctaa tagctatgta actcgaaaat 240

gaaaatgttc ctctctgcct gtgtttcttt gagtatccag tcaatgatca gaacaagtag 300

cccattcagt gatctgtgaa attgttacac aagggttggc tactctatgc tagccatggt 360

tgatgtaaga actcagttta atagcatact tgagcaatca gggtaaaagt gttccaccat 420

gaacaaaggt atcaaatcac aaacctggct gactgcagtt ggatgttaga ggtctgttgt 480

aaatagtaga acatagattg cagactgact tgttgatttc tactttg 527

<210> 9891
<211> 521
<212> DNA
<213> Rattus norvegicus

<400> 9891
tgcaccgtgt ttccagattc gatgtgatcc ttctggctct ggcttgggca agcagatgac 60

ccgactcagc cttatggaag aagatgagga agaagagctg agacttctgg atgaagaatg 120

gcaatgtgga gacaagctac ttcatagccc ttcttctccc agtgagcatg ggctggacct 180

attagataca acagagctga acatggagga tttctgatgg gacttaggct tctccccttc 240

tccacttacc acactgcaag gccatgagtg agcaaacgaa ggagtaaaat gaagcattct 300

ttgggtccca gccaagtact ttaagggaat agagaaatgg ccttattcaa acctccattt 360

ctttctgaag tgggtgctgt atatagatgc tatgagccct gtgatcctta attcacccta 420

gctttatgct tttgcctgtt tgaagtggtg ggagttgggt agggagcttt acctcagtat 480

tgaagtttaa taaccttct gtttgatatc tcttccccaa a 521

<210> 9892
<211> 459
<212> DNA
<213> Rattus norvegicus

<400> 9892
tgaaactgac tcaacaacat ctgttggcaa tggcctgtca agctcgggga cacagggatg 60

aaaatattga caaattccaa gtcactctcc tagatgagct ggaaaaagtt gaaaaagact 120

cacagacttt acgagacttg gagaaagagt ttgtggacat cgaagaaaag atagttcaca 180

agatgagggc atttcaccaa agtgagcgag aaaggtttcg tgctttgaaa acttcattgg 240

ataaaagttt gcttgtctat aattctgttt atgaagagaa tgttcttaca tctgagatgt 300

gtttgatgaa agcaaacatg aaaatgctac aagacaagct actgaaggag atgcatgaag 360

aggaacttct caacatacgc agaggactgg agtcattatt caaggatcat gaaggaaaca 420

atgcatgaaa tctggctgct gtcaacacac tttatctga 459

<210> 9893
<211> 534
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<400> 9893
atcgctccgc agcttagaga gactcagaag gacgacaaat agaattctgg cctcctcttg 60

ctgcagcagt aacattttag gatcggtgaa cgtctgcggc tttgaacctg atcaggtcaa 120

agtgcgcgtt aaagatggaa aggtctgcnt atcggccgag agggaaaaca ggtacgactg 180

cctcggatcc aaaaagtaca gttacatgaa catctgcaaa gagttcagtc tgccgccgtg 240

cgtggatgag aaagacgtga cctactccta cgggctcggc agttgtgtca agatcgagtc 300

tccatgctac ccttgcacgt ctccctgcaa cccctgcaac ccctgcagcc cctgcagccc 360

ctgcggcccc tgcggtcctt gcggtccctg tggcccctgt ggtccctgcg gcccctgcga 420

cccttgcaac ccctgctatc cctgtggaag ccgattctcc tgtaggaaga tgatcttgta 480

aggtgtatga taagaactat gtcttagcag aagtcagtat tccaaccagg cagc 534

<210> 9894
<211> 413
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<400> 9894
agactgcacc ggcaaactgc tgagtattct gccttcaagc tagagaacga gaggctcaag 60

gctagctttn cccctatgga ggacaagctc aatcaggctc acttggaggt ccagcaactg 120

aaggcatcag tgaagaacta cgaggggatg atcgacaact acaagagcca ggtgatgaaa 180

acaagattgg aggctgacga agtggctgcg cagntagagc gctgcgacaa agagaacaag 240

atgcttaaag acgagatgaa caaagaaatc gaggcggccc gtcggcagtt ccagtcacag 300

ctggctgacc tacaacagct gcctgacatc ctcaagatca cggaggccaa gctggctgag 360

tgtcaagacc agctgcaggg ctacgagagg aagaacatcg acctcacagc cat 413

<210> 9895
<211> 506
<212> DNA
<213> Rattus norvegicus

<400> 9895
atgttgcaca ccaaaggtct gtccctgtcc gactccctgt ccctgtccag ccacctgtcc 60

agctgcctgt gcttgtcctt gtccgatgaa accatgctgc ccaacgaagt gtacatgctg 120

ccctaaaaag tgcacctgct gcccacagcc cacctgctgt gttcaaccca cctgctgctc 180

ttctgaaaac aagactgagt cagattctga tgggtctggt caaactcagg ataggggtgc 240

tcaaacacag cagtcccctc aaggtggtca aggcaattgg aaccagaaga agaccaagta 300

aactgtccct gacaccatgc tcatcctcaa atggtgtggg ggattactac aggcaaggtt 360

aagactatgt tgtagcgatg ctgttttcat gataaccaac aagaccactc aaccataagc 420

taccatttcg acctaaccat aggctactat tgcaactgga aatggaaagt agaaaaggat 480

agaaacatct tgtctagtga tcctga 506

<210> 9896
<211> 532
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

<400> 9896
tcagtgacca cagtttgagc ccaggggccc cctgactcct cagatctccg ggccagcttt 60

gtccagatct caacccagat ccacacccat gagcttcacc agattctgag gctctgcagc 120

ctgcttgcac acacancaca tctgcggagc catgcagtct cgccctaacc cacgggtctc 180

cttccctaag aactaaagca acctggacga gaactgcggg ctcctggctc tagtgctctg 240

gctgggcatc tttggggtgc ttggtcctaa gcaactggcc cataacctca cttgactggg 300

ggatgagaaa gggacttagc cacataagat ttgggctcag aaacaaggtc aggtgagtcc 360

aggaagaaaa gagaatgttc ttgtcttgtc aaccaagtcc ttctcagagt gcccagagac 420

ctccggattc accttggggt tagccagctt acccatcact tacaggttct ctccanctct 480

tccctggtct cagtgtcctg gatcattagt caccaggtct tgttgagttt ca 532

<210> 9897
<211> 581
<212> DNA
<213> Rattus norvegicus

<400> 9897
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cgcagacagt gcgaagtggt agacacggca ttcgtcaatg ggctgaagga gaccaaggac 120

gccaggaaca agctggctga tcatctggcc aaggttatgg acgaaattgc ttcccaggaa 180

aaaaacatcg aggtccttga aaatgccatc actcagcaag aaggaccggc taaggtagca 240

cacacacgcc tggagaacag gacctaccgg cctaacgtgg agctgtgtcg agatgtcgct 300

cagtatcggc tgatcaggga ggttcaggag atcaagcata atgttgccag gttagaggag 360

accttggccc aggctcagat acagttgaag gctctgttcc gcaggcagct ggccctgcag 420

gaggagatcc aggttaagga gaacaccatc tatatcgacc aggtgctgtg tatggagatg 480

aggaagtcca tcccacctcg agacggcgac gaccatgggg cctgggaggg gggcatccgc 540

gcagaggcca tctgctgata cgagccattc agatccttat t 581

<210> 9898
<211> 499
<212> DNA
<213> Rattus norvegicus

<400> 9898
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gtttggacct tgtgcgctgc tcccacagac cgtggtccag tggaacgtga gccctcccct 120

acactgcaat ttataacagg tgggatctca tcaggatatc actgaagaga gcttctcgat 180

tttctggatg ctggaaccta ggataggtat ggggcagagg gagcactggg tcctattaga 240

gattgttgtg gtgggcaccg gaaacaagac tgagcggctg cactctcaag tcctgcaggc 300

catgaggcag cggggaattg cggtggagat acaggacacg cctaacgcct gtgccacctt 360

caacttcctg tgccacgaag gtcgagtgac aggagctgcc ctcatccccc cacctggaga 420

gactgcactt gcctcttctg gtcaaaccac agagtgaacc atccagaaca gtcaaggagg 480

gcactgagct tcgtgatct 499

<210> 9899
<211> 443
<212> DNA
<213> Rattus norvegicus

<400> 9899
aagtctccgg gaaatggccg agcgcttagc tgacaaatat gaagaagcca aagaaaaaca 60

agaagatatc atgaacagga tgaaaaaagt gcttcacagt tttcacactc agctcccagt 120

cctctcggac agtgagagag acatgaagaa agagctacag ctgatacctg accaacttcg 180

acatctaggc aatgccatca aacaggttac tatgaaaaaa gattatcaac agcgaaagat 240

ggaaaaagtg ctgagtcctc agaaacccac cattactctc agtgcctacc agcgaaagtg 300

cattcagtcc atcctgaaag aagagggtga acacatacga gaaatggtga agcaaatcaa 360

tgatatccga aatcatgtca acttctgaca ccacctgaag ttaaggacag ctgaaggctt 420

acaagcccgt gctgcagaac aag 443

<210> 9900
<211> 550
<212> DNA

<213> Rattus norvegicus

<400> 9900
gccatggctg accagctgac cgaagaacag attgcagagt tcaaggaagc cttctccctc 60

tttgacaagg atggagatgg caccattacc accaaggagc tggggactgt gatgagatcg 120

ctggggcaaa accccactga ggcggaactg caggacatga tcaatgaggt ggatgctgat 180

ggcaatggga ccattgactt cccagagttc ctgaccatga tggccagaaa gatgaaggat 240

acagacagcg aggaggagat acgagaggcc ttccgtgtct ttgacaagga tgggaatggc 300

tacatcagtg ctgctgagct gcgtcacgtc atgacgaacc tgggggagaa gctgactgat 360

gaggaagtgg atgagatgat ccgagaggcg gacattgatg gagacggcca ggtcaattat 420

gaagagtttg tacagatgat gactgcgaag tgaaggcccg ggcagctggc catgcccgtt 480

ctcctgatct cttcttgcgc tctcctctct tcaacactcc cctgcgtacc cggttctagc 540

aaacgccaat 550

<210> 9901
<211> 511
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<400> 9901
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tttntgccac tcggagctca tccagctggt caacaaggaa ctgaacttct gggccaagag 120

agccaagcag agacacaaca tcacactact gtgggaccgc gaggtggcag acgtgttggt 180

tgatggctac aacgtccact atggtgcccg ctccattaag catgaggtag agcgccgtgt 240

ggtaaaccag ctggcggcag cctatgagca ggacctgcta ccaggggct gcaccctgcg 300

tatcactgtg gaggactcag acaagcagct cctcaagagc cctgagctgc cctcgcccca 360

ggctgaaaag cgtccgccta cactgcgact ggagatcatt gataaggaca gcaagaccca 420

caaactggac atccaggcac cactccaccc cgagaaggtg tgctacacca tctagcatcc 480

acctgcctgt ctgtgccctg aacatctaat a 511

<210> 9902
<211> 554
<212> DNA
<213> Rattus norvegicus

<400> 9902
gaaggtggct cagcgggcac taaaactccc cagcactggg gaagggaccc agttctacct 60

gttcgagcat gtggacaatg cccagcaatt caagcagttc taccgcgcca ggatgaatgc 120

cttggacctg agtatgaaga ccaaagagag gattgtggag gaggccaaca aagcctttga 180

atataatatg cagatattca gtgaactgga ccaggctggc tccatgctaa caaaagaaac 240

cctggaggat gggctcccag tacatgatgg gaaaggagat gtacgtaaat gccccttta 300

tgctgctcag ccagacaaag gtaccctggg aggcagcaac tgcccttcc ggacagccat 360

ggctgtgctg aggaagccta gcctgcagct cattctggct gccagtgtgg ccttggtagc 420

tggactcttg gcctggtact acatgtgaag gacctgtcat gttgtttgca tcctatccca 480

agtgacctct tccatcccca tctccacctc tgcccaaaac taccacctca ggtgactttt 540

ctaatgctgg gttt 554

<210> 9903
<211> 530
<212> DNA
<213> Rattus norvegicus

<400> 9903
atttatgcaa ctcctggcac aggctttgaa gcggaagcca gatttgttcc agtgtgagcg 60

attggatgtc aaagctgtgt tccagtgtgc tgtgctggcc ctcaagttcc ctgaggcacc 120

tactgtcaag gcctcctgtg gcttctttac tgagctgctg cctcgatgtg gggaaataga 180

atctgtgggg aaagtggtac aggaagatgg ccgtatgctg ctcatagcag tgctggaggc 240

catcgggggc caggcctccc gtagcctcat ggactgtttt gctgacatcc tgttcgccct 300

gaacaaacac tgcttcagcc tcctaagcat gtggatcaag gaggctctac agccacctgg 360

ctttccatct gcccgtctca gccctgagca gaaggacacc ttcagccagc agatacttcg 420

tgagcgagtg aacaagagac gggtgaagga gatggtgaag gaatttacac tgctgtgccg 480

ggggctacat ggcacagact acacagctga ctactgaggg acacgtgtgt 530

<210> 9904
<211> 545
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<400> 9904
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ctaagaatgc actcttgaga gacccctatg cactgcggcc agtacggcgc ctcattgaca 120

actgtgcctt ccggctctat ggacactggg tgaagaaggg ggagcagcag aaccgggcgg 180

ccctcttcca gcaccagcct cntaggcctt tccccatcat tgccactgac ctggaaggag 240

actccagtgc tatcacagag gatgaagtta ccttggtacg gagctaggac cttctccctg 300

ggcaagccac gaagtaggac tccccaggag gagattttct ttttctatca ttccaaccac 360

ttgggactca gatcttagcc ctgccttgcc aagtctacaa ctgagaatgc tgcttgtcac 420

agaaaccagc cctttacccc tacctaccta ctctggactt ggagatcggg gcggagatgg 480

aagggaacct cttcccagca ttgtgcctgg ccttgccatc accgcctgtg ctgcatctga 540

aataa 545

<210> 9905
<211> 490
<212> DNA
<213> Rattus norvegicus

<400> 9905
atgtgtttgg gcaacgtcat cccctggcag gctaaagtga gggggaacaa aagatatcct 60

ctggtgagat tggaggtagc atgccgaagt aaaagacact gacctcactg tttattaacc 120

tgtcttctgt ttagatttcc ttaagacagt ggctcttaca gtgtgcgctg ggctttgaaa 180

tgccggaaat gcccagagaa acatggggtt tggatttgcc gtgttgagaa aatagcaccc 240

gatagaattg aaacggatgg tggtaatttg tgatttttct agagactttt catttttaa 300

caccctattt ctttgaaggt ggatttctag ctatatatcg catgtctgaa tatgtctggc 360

tgttttgtgg cactcactgt gtttgaaagg aatgtgtcta gtccacttgg gaccatgcaa 420

agttatttta tttttgaact ctgtctcttc attcccattt taaagtaagt gttgacttcc 480

taattcccct 490

<210> 9906
<211> 506
<212> DNA
<213> Rattus norvegicus

<400> 9906
atggagaatt ctggttgggc ctagagaaga tctacgctat agtcaaacag tctaactaca 60

tcttacgact ggagctacaa gactggaagg acagcaagca ctatgctgaa tattcctttc 120

atctgggcaa tcatgaaacc aactacacgc tacatgtggc tgagattgct gccaatatcc 180

ctgaggccct accagaacac agagacctga tgttttctac atggatcaca gagcaaagga 240

cagctctact gtccagaaag ttattcaggt ggctggtggt tcagtgacat gtgtggagaa 300

aacaacctaa atggtaaata caacaaaccc agagccaaat ccaaaccaga gcggagaaga 360

ggaatctcct ggaggcctcg gggcggaaag ctctactcta tcaaatcatc taaaatgatg 420

ctccagcaga ccacctaagg aagcgtcagc tgaactgaga caaattaaaa gaccaacaca 480

ttcaatatta aaatccgccc gcacac 506

<210> 9907
<211> 248
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<400> 9907
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cacttccaaa gggtgagaga nttcttcaaa aataatatat ttttaatatc aatagaagaa 120

ntcaaatggc ccaaagagaa acaagttttt gagaaattat cacttaaaaa atgtgatcaa 180

catgaaccat ttntgttcaa tactgttcaa tattgntaac aatgctgttc tctggaaaat 240

attttatt 248

<210> 9908
<211> 213
<212> DNA
<213> Rattus norvegicus

<400> 9908
gtttgacatg accatctcga gctgtaacca tcccaattgc ctcagaataa gtcaagttct 60

tctacttagt ttcccagcag attataagtg gataaactgt gagagtggcc cttagggctt 120

tgggacatgt ctagttctga tagtcactta tgacaacctg gatacattca actaggatga 180

aatccattct gccttagccc attaatatgc ctg 213

<210> 9909
<211> 213
<212> DNA
<213> Rattus norvegicus

<400> 9909
gatttatcca gatcgttgct tcagttctcc actccgtgcc ctgccgacac tagccttgga 60

agattccaaa gctcccaccg agttactcga ctcttttccg tttactagga gagagttggg 120

ggactggcag tgactgtaaa aggcactgaa aggcggggac ggggactttc gttccactgt 180

ggtctttcat ttcccacttc atttgattca cct 213

<210> 9910
<211> 287
<212> DNA
<213> Rattus norvegicus

<400> 9910
atgtccccac ccaagatcag gaagtcatat tgctttgggt ctctggcaac agtgccaaat 60

ggcagtggca gggcacacat ggcagaacaa actgcttaca ctgtgaggca ggaagaaaga 120

aaagacgctt ggacccaagt gctacaatcc ctcaagggca tgttccaata acctaaaggc 180

ctttccccca gctctactgc taaaggattc catcaccctt tgaataagcc tttagcccaa 240

tcaggagcca taccagaggt caaaactggc tttctggcat tttggtc 287

<210> 9911
<211> 508
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<400> 9911
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tcactctgta ccaatcgaat gccatcctac ggcacctggg ccactccttc gggctctacg 120

gcaaagacca gcaagaggca gcactggtgg acatggtgaa cgacggactg gaagacgtgt 180

tcaggcgcat tgcatggcac tatctccata tcngtaagga ggacaagggc caatatagga 240

aggagcttcc aggacacctg aagccatttg aaactcttct ggcccagaac aagggtggcc 300

aatgcttcat tgttggtgac cagatctcct tcgccganta ccgcctactg gatttacttc 360

tgaacctaga gctcctgttc cctggttact tgaaagactt ccccctgctc tccgcctatg 420

tagcgcgtct caaagcccga cccaagctca aggccttcct ggagtctcct gagcatgtga 480

accgtctcct tgctgcttgc ataaagat 508

<210> 9912
<211> 274
<212> DNA
<213> Rattus norvegicus

<400> 9912
tgcccctgca gaaagtttac cctggcatac agtcgcatgt acacattgaa aactgtgact 60

ccagtgatcc cacggcatac ctgtaagcag agacagaggc cagatcttct caaattccca 120

gaaactggaa cacgtcctgc tcctgaagaa acgtgcattc taacagacgt gccatcagtg 180

tggacacaat tctgattccg actcagcgtc actctgatgg gcgggctctg atctgcctgc 240

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<210> 9913
<211> 401
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (277)..(277)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<400> 9913
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gggaatnaat tanttgacat cnacatatgt agcatccaag tgattgctga gggagaacaa 120

gtcaagagag tgcagtcttc acatgttata tatacatcag gggcagcaag tgcagggtct 180

atctgatctg gatggacttt taacagatca gcagggagga gacttttgaa gaggaaatcc 240

atcttgatac aaagccagat ggtgagacag aacatgnggg accgggnact cgcaggtgaa 300

tgtgttggac attngggact gggaaaaaca gtaacaaagt canggtgtgt aagacccacc 360

tcagtgcctg ccacatggca aatcattacc atcattgttg t 401

<210> 9914
<211> 444
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<400> 9914
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tcttcggctt tctccagtgc caaccaccnt aagtcgtctc tcacagcagg ccncaggatg 120

caagagtaaa tggcgaactg aattgcccag ttctggtntt ctgctcccca gtgaactgtg 180

ttatcataat taacattgtt atgctgaatt ttctagaggg gtgctgacca cctgacccat 240

ttttcatctg tgatttgatg aactggcatt ttaatacttt tctggatctt tgtatgaact 300

tgtttggaat tgacccagtc acctcacact taatgatgna taaatcgttt gaacccctg 360

tcactgtcac ctgtccccac catacaatat cctactttat tactgctgac tctattaatg 420

ttccactact tactgcctct tttg 444

<210> 9915
<211> 458
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<400> 9915
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ggctttattc taaaggaaag tcttttgatc taaacgaaag tctacttcgt gctccagaag 120

gggagcaaga cacaacatca ctgagcagga ataaatgtat taatttactc acaaagcaaa 180

cacattcttt taggggaggt catctggttt gtaggaccag aaggtactga tgaagaggga 240

gagtccagtc cagagggaat aactgccatg ccaaagccag gtccctaggt ggaagaccaa 300

ccccaaagga gtagaaacat tgcttcctca aagaaacaga agtggggagg aggaaggagc 360

ccatgggatc gaggatgagg aacttgggga ttnaacctgc tcttgtcacg tgttgntact 420

tttagagttt ggcatacttt gctatcttgg cctacctg 458

<210> 9916
<211> 533
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (146)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<400> 9916
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tgtcccttcc cttcaaggcc agacaatggg tttgtgaatt accctgcaaa gccggtgctt 120

tcttataaag ataaagccgt atttgnntgc catgaaacat acaaactgga tggcccggaa 180

gaagtggagt gtaccaagac aggaaattgg tcggccctgc cgagctgtaa agcatcttgc 240

aaactctctg ttaagaaggc caccgtgttg taccaagggc agaggntgaa gatccaggac 300

cagtttaaga atgggatgat gcatggtgac aaggttcact tctattgtaa aaataaggag 360

aagaagtgca gctacaccga ggaggctcag tgcatagacg gcaccatcga gatccccaaa 420

tgcttcaagg agcacagttc tctggctttc tggaaaacgg atgcatcaga tgtgacaccg 480

tgctgaagac attttcagaa tcaaaattga atgtctcatt tgtatctctg ctt 533

<210> 9917
<211> 490
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (350)..(353)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(357)
<223> n is a, c, g, or t

<220>
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<222> (359)..(360)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<400> 9917
gagttcagag gataccacat tcccaagggc acaagcgtaa tggcatgtct gacttctgcc 60

ctgcacgatg acaaagaatt tcccaaccca gagaagttcg accctggcca ctttctcgat 120

ganaaaggca acttcaagaa gagtgactac ttcatggctt tctcagcagg aagaagagcc 180

tgtattggag aaggtttagc ccgcatggag atgttcttaa tcctgaccag cattttacag 240

cattttactt taaaacctct tgtcaatcca gaggacatcg acacaacccc agttcaacct 300

ggtttattgt ctgtgccccc acccttttgag ctctgtttca ttccagtctn nnncgnnann 360

gtntttcaca cagatgactg agaccctgct tctacttgtg agcaaacagg tcctcctgtc 420

ctngtgtacc tgtaactggc agtccttcct gaatggcagg gatgctacct ctgaactgtc 480

ctacattttt 490

<210> 9918
<211> 568
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<400> 9918
agctgcccaa gaatacgcct gaagagaggg acaggcgcac atgtgctctg caagaggggc 60

tgagacaggc ggtcgctgtg ccactgaaac tggctgagac ggtgtcccag ctatggccgg 120

cgctgcagga gctggcccaa tgtggcaacc tctcttgctt gtctgacctg caggtggcag 180

ccaaagcntt ggagacaggt gtgtttggtg cgtacttcaa tgtgctcatc aacctgaagg 240

acatgacgga tgatgtattt aaagagaaga cacgccatcg aatctccagc cttctgcagg 300

aagccaagac ccaggctgcg ctggtgctgg gtagcctaga agctcggaag gagtgaagag 360

atcgctcctc agtgaatggt ccaacttcca gaattcctta cctatcttgc ttggggagaa 420

gactcagcca tgatatcagc agggtcaggt tggggctcta tagacagctg taggatcaga 480

agacccaaca gaggtggttt ggggtagggt atggtagggc ctgattgggg gtggtatccc 540

gacactctct gttatctgtg gcttctag 568

<210> 9919
<211> 542
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

<400> 9919
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agggtgcgga aaagtctgca gaagggctac attgtgggga caaatgcaag catcatcttg 120

gggcaggagc aggactcgta tggcggtggc tttgacgcga atcagtcttt ggtgggagac 180

attggagatg tgaacatgtg ggactttgtg ctatctccag aacagatcaa tgcagtctat 240

gttggtaggg tattcagccc caatgttttg aactggcggg cactgaagta tgaaacacac 300

ggtgatgtgt ttatcaagcc gcagctgtgg cccttgactg actgttgtga gtcctgaggc 360

acntcctggg attacattct ctcccttgtc cctccttatg aacctttaa ccccagcaga 420

tgttgtagat ctgttttgtg aatatggcct ttcacttntn tgctctgtgg tcctcagcac 480

tagagcatgg aatttaaatg taaggcttcc agcatgtgca tcccactact ctttatcaaa 540

ga 542

<210> 9920
<211> 521
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<400> 9920
cagctcggct gaaggcttac ttgatgagcc acgccctggc ctaccacacc cctgactgtg 60

gcaaacaggg atttattgat ctcccagaat tccccttgg attggaaccc agagttgcca 120

ccagatggga tattcaaaaa tacgccagag aggcctacaa cctgggggtc aggtacattg 180

gcggctgctg cggatttgag ccctaccaca tcagggccat tgcagaggag ctcgccccag 240

aaaggggatt tttaccacca gcttcagaaa aacatggcag ctggggaagt ggtttggaca 300

tgcacaccaa accctggatc agggcaaggg ccaggaaaga atactggcag aatcttcgaa 360

tagcttcngg cagaccgtac aatccttcga tgtccaagcc ggatgcttgg ggagtgacga 420

aaggggcagc agagctgatg cagcagaagg aagccaccac tgagcagcag ctgagagcgc 480

tcttcgaaaa acaaaaattc aaatccgcac agtagccaca g 521

<210> 9921
<211> 458
<212> DNA
<213> Rattus norvegicus

<220>

<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<400> 9921
gggcaggtca cctgattgag cctccntact ccccactgtg ctcagcctca aggatgccct 60

ttgtaatccc aagcatcaac tggggaggag aggttatccc acacgcagnt gcgcaggaac 120

attcttggaa ggagatacag aaatttctca agcagcatct taatccaggt ttcaacagtc 180

agctgtgagt ggacttgatt atattactgg aaagaggagc tgggcatctc ctggccagct 240

ccactcctca cttccataga ggaatgtctt taatctctta tcacntgagg aagaagagta 300

ccaccagaaa atgccgaagg acagagagtg ataacctcat gactttggaa ggggagacat 360

gttttccatg gaataaaatg tccctcagtg agagtcctat atctgtntaa ataaaatctt 420

agggttttcn taaaatgttc aacaccacag caactttc 458

<210> 9922
<211> 304
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<400> 9922
tcggtcaaag cctcaactgc aatgctaacg tgtacatgag accttgggag aacaaagtcg 60

tcccgactgt cagatgccaa gcnctagana tgatgatttc taggcctcca ggattttcac 120

ctttccggct ggtgcnagta caagaaacta aagaaggaac aactaggctc ctaaactcat 180

gtgagtacaa gggcagactc tcaaaggcan gggcaggccc agcncctgan cntcaggcag 240

aagcttcaac cgtgacanca tagccnggca aagacccgga gtggaaggac cagaagactc 300

ctgg 304

<210> 9923
<211> 533
<212> DNA
<213> Rattus norvegicus

<220>

<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<400> 9923
gctacaggga gtctgacact ctcaagatcc gtgaacactn gcgntcatga gtacnaacct 60

acacacatac acagagttaa aaagaataaa aataaatcgn aaaaaagaag cacccattaa 120

ctttctttaa gtagatacng gcactgattt gctggttggt tgttggtggt ggggaaagca 180

ngtatttata ttcgatgaaa agaagccaga ctctggtgac ctgtgtgtgt caggtgtaaa 240

cattgtacat ctgcgggggg caggaggccg catgtcgatt cttttgactt tagccattct 300

cgtaggtgta aagtgatact gtcccccatt tttattctat ttctctggtg tgttacgaca 360

atgaaaatat ttcacatggt aactgataac ctaaatacct tttgtgagcg acctgttcaa 420

acctttttgta gtttgtttaa catcgaccng aacttttcat attgacagga atctttgcat 480

tcagaataca aatggctact gtccacgtgc actatacgca ccttttcagg gtt 533

<210> 9924
<211> 386
<212> DNA

<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<400> 9924
agatggacac tgtcatcgct gcacttagtc gggacacaat tgataggtgg ggcaagctta 60

tgaccccnag gcaggtgaac ctatacatcc cgaaattctc catgtctgat acctatgacc 120

ttaaagacgt gctggaagac ctgaacatta aggacttgct caccaaccaa tcagatttct 180

caggcaacac caaagatgtt cccttgacat taacgatggt ccacaaggcc atgctacaac 240

tggatgaagg gaatgtgttg cctaattcta ccaacggggc tcccctacac ctgcgctctg 300

aaccacttga catcaagttc aacaagccct tcatcctcct gctctttgac aagttcacat 360

ggagcagcct gatgatgagc caagtg 386

<210> 9925
<211> 372
<212> DNA
<213> Rattus norvegicus

<400> 9925
gtatggcaac catcaggatc gatcctggac gctgactgca ccccctggct tccgcctgcg 60

cctctacttc acccacttca acctggaact ctcttaccgc tgcgagtatg actttgtcaa 120

gttgacctca gggaccaagg tgctagccac gctgtgtggg caggagagta cagatactga 180

gcgggcacct ggcaatgaca ccttctactc actgggtccc agcctaaagg tcaccttcca 240

ctccgactac tccaatgaga agccattcac aggatttgag gccttctatg cagcggagga 300

tgtggatgaa tgcagaacat ccctgggaga ctcagtccct tgtgaccatt attgccacaa 360

ctacctgggc gg 372

<210> 9926
<211> 464
<212> DNA
<213> Rattus norvegicus

<400> 9926
atctgtatgt ctctcaagtg gtccacaagg ctgtgctgga tgtggatgag acaggcacag 60

aagcaactgc tgctacaggg gtcgctacag tcatacgtag acaacctcga actctgaatt 120

tcaaccggcc attcatggtg gttatcactg acatggatag tcagtctatc ctctttgttg 180

ccaaaatcac taaccccaag taagcccaaa gctccccaag atctgacagt tctgcccagg 240

accctgggac tgagcctgca tgtggatctc tgtatatgtc ctgacattca tgctctgatt 300

ggctgtttca aagttgtctt agacagtgac atcgactatc tctatggccc ccatgtgcac 360

aggagccttt agactgtcag tgtcaggctc ttaggcccct tgggagcatc tacccatgtt 420

tctgaacctg gaatctatct ttatttttcc ctagtgactc ctct 464

<210> 9927
<211> 528
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (189)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<400> 9927
agcatgctaa ttggacttta acgccattga aggtcctcag ctttgacacc cttgtggata 60

acatctctgt ggatcctgtg acaggggacc tctgggttgg atgccatccc aatgggatga 120

ggatttttt ctatgactcg gagaatcctc ctggctcaga ggtgcttcgg atccagagca 180

ttttatccnn nnacnnnnaa gtaactgtag tttatncaga gaatggcacg gtgttgcaag 240

gtacgacagt cgctgctgtg tacaaaggaa aactgctgat tggaacggtg ttccacagag 300

ctctttgttg tgacctgtga caagctggct acacccacat catggaaagt gaggccatca 360

tttcagccct ttgccatatt gtaaggtgcc tatcacagtg atctccgctc accaacgaat 420

gttgacctta atctcanaca taagaaggtc tgagaatgtt tcctggcaat agatcctaac 480

tagcaaagat ttcttgagtg ttagtttcag actacttaaa gaccccat 528

<210> 9928
<211> 546
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<400> 9928
gcatgggcat cctcaaaagg ctctccctca tttacactca agcctggcca gaggctgtct 60

ttatccatga aggctacact cacggagctg gttttgacaa tgatatagca ctgattaaac 120

tcaagaacaa agtcacaatc aacagaaaca tcatgccgat ttgtctacca agaaaagaag 180

ctgcatcctt aatgaaaaca gacttcgttg gaactgtggc tggctggggg ttaacccaga 240

aggggtttct tgctagaaac ctaatgtttg tggacatacc aattgttgac caccaaaaat 300

gtgctactgc gtatacaaag cagccctacc caggagcaaa agtgactgtt aacatgctct 360

gtgctggcct agaccncggt ggcaaggaca gctgcagagg tgacagcgga ggggcattag 420

tgtttctaga caatgaaaca cagagatggt ttgtgggagg aatagtttcc tggggttcta 480

ttaactgtgg ggggtcagaa cagtatgggg tctacacgaa agtcacgaac tatattccct 540

ggattg 546

<210> 9929
<211> 191
<212> DNA
<213> Rattus norvegicus

<400> 9929
agaatttggc agtaagacct ctgattctga catcttcaca gacatcgaga accctagctc 60

ccatgtacct gagttttctt ccagtagtaa aacctcaact gtcaggaaac aagtaaccaa 120

gagctataaa atggcagatg aggcagcaag tgaagctcac caagaaggag acactcgaac 180

caccaagagg g 191

<210> 9930
<211> 436
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (140)..(140)

<223> n is a, c, g, or t

<400> 9930
ggtccagagg ttcattgacc tcattcctac caacctgcca catgcggtga cctgtgacat 60

taagttcagg aactacctaa tacccaaggg aacaacaata ataacatcac tctcattcca 120

gtgacatgca tgacagcaan gaattagacc ccgacccaga gatatgttga tccctggcca 180

ctgttttaga tggagcataa tttggaaagt ttaagaaaag tgactggatt tcactgcctt 240

tctcagcagg gaaaacggat gtgtgcagga gagggcctag cccgcatgga gttattttta 300

ttcctgacca cgattttaca aaactttaag ctgaaatctg tacttcaccc aaaggatatc 360

gatacaactc cagttttcaa tggatttgcc tctctgccac cattttatga gctgtgcttc 420

attcctctct aaagag 436

<210> 9931
<211> 463
<212> DNA
<213> Rattus norvegicus

<400> 9931
cagggtcagg atgtgtgtac ctccagacat ctctaaagta caacatcctt ccggaggcag 60

aaggagaagc gcccttcact ctgaaggtca acactctccc cttaaacttt gataaggcag 120

aacatcacag aaagttccag atccacatca acgtaagcta cattggagaa cgacccaact 180

ccaacatggt cattgttgat gtgaagatgg tgtcaggctt catacctgtg aagccatccg 240

tgaaaaagct ccaagaccag tctaacattc agaggactga agtgaacacc aaccacgttc 300

taatctacat tgaaaagcta accaatcaaa ccatgggttt ctccttcgcg gtggaacaag 360

acattccagt aaagaactta aaaccagccc cagtaaaagt ctacgattat tatgagacag 420

atgaattcgc cattgaagaa tacagtgccc ctttcagttc tga 463

<210> 9932
<211> 507
<212> DNA
<213> Rattus norvegicus

<400> 9932
gacccacaga actcctaatc gaaatggagg actggaaagg agacaaggtg aaggcacact 60

atggaggctt cacggtgcag accgaggcca acaagtacca agtgtcagtg aacaagtaca 120

aagggactgc tggcaacgcc ctcatggaag gggcctctca gctggtgggg gagaacagaa 180

ccatgaccat ccacaacggc atgttcttca gcacctacga cagggacaac gatggctggg 240

taactacaga tccaagaaag cagtgctcaa aagaagatgg cggcggctgg tggtataaca 300

gatgccatgc agccaatccg aatggcagat actactgggg tggcctttac agctgggaca 360

tgtccaagca cggcacagat gatggtgtgg tgtggatgaa ctggaaggga tcgtggtact 420

ccatgagaag gatgtctatg aagatcaggc ccgtcttccc acagcaatag tcccccaagc 480

atagactttc agccttctat gtctgac 507

<210> 9933
<211> 468
<212> DNA
<213> Rattus norvegicus

<400> 9933
ctttgcagac attgtcccaa tgaatttgcc acacaagact tctcgtgaca ttgaagtgca 60

gggcttcctt atccctaagg ggacaaccct catccccaac ctgtcctcag tgctgaagga 120

tgagactgtc tgggagaagc ccctccgatt ccaccctgaa cacttcctgg atgcccaggg 180

caactttgtg aagcatgagg ccttcatgcc attctcagca ggccgcagag catgcctggg 240

ggagcccctg gcccgcatgg agctcttcct cttcttcacc tgcctcctgc aacgcttcag 300

cttctccgtg cccactggac agccccggcc cagcgactat ggtgtctttg cctttctcct 360

tagcccttcc ccctaccagc tctgtgcatt caaacgttag aaggaaagaa attctagtcc 420

agcctctacc ttagtgtcat acacagatta aaacagttct gtggctgc 468

<210> 9934
<211> 424
<212> DNA
<213> Rattus norvegicus

<400> 9934
aatgtgaagc tttcatgccc ttctccatag gaaagcgtat gtgtcttgga gaaggcattg 60

cccgaagtga attgttcctt ttcttcacta ccatcctcca gaactactca gtgtccagcc 120

ctgtggatcc taacaccatt gatatgactc ccaaggagag tggattagcc aaagtagccc 180

cagtgtacaa gatttgcttt gtagcccgct gattgtgctg aggcagtcag ccgactcact 240

tctgttcaaa atggccccat ttttctgatt ctgggagacc tgctggagac caggcccaag 300

gttgctgagt cattcctcac ttcttcccaa cagcctcagt ccccatttat caggtctcca 360

tgctctgtga tctatgctat tggactatgt ataaggtctg aattctatgt ctacaggttt 420

gcct 424

<210> 9935
<211> 47
<212> DNA
<213> Rattus norvegicus

<400> 9935
gcctgagcct ccaggtgggc aatctccagt gagagcaagt gctgagt 47

<210> 9936
<211> 548
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (138)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(142)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<400> 9936
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ggattttaaa attccattca gcactcttgg aaatgaagtc ccaccagtgg gttagattaa 120

tggttgaggc atcgtgtnnc nntgnnnnnn ntcagatgtg aaagcctcga ttntacagga 180

ctttgtcgtg ttggangacg tatatgtcag acttatcctg atgagatttg tgcctgggtt 240

gtagtancca ctcgagatgg aaaatttgta tatggaaacc agagctgtgc tgagtgcatc 300

ggtacgactg ttgagcatgg aagtcttata atatcaacaa actgttgctc agccacccct 360

ttctgcaata tggtacatcc ctgatactta attgtatgga aggattttag tgctctttat 420

tgagtcttga cagtggagca tgccagaaag aataatctac tgaccatgtc tggacaactc 480

actatgattt ctacatcgtg ttttctgact acatgtatat catatgttct tgggtgatct 540

gtaataaa 548

<210> 9937
<211> 526
<212> DNA
<213> Rattus norvegicus

<400> 9937
caatggctct gaaaggatct gctgccccat caactgggtg gagtatgaag gcagctgcta 60

ctggttctcc agctctgtga agccttggac ggaagctgac aagtactgcc agctggagaa 120

cgcccacctg gtggtggtga cttcctggga ggagcagaga ttcgtccagc aacacatggg 180

ccccttaaat acttggattg gcctaactga ccagaacgga ccctggaaat gggtggatgg 240

gacagactat gagacaggct tcaagaactg gagaccaggg cagccagatg actggtacgg 300

acatgggctt ggaggggtg aagactgtgc ccacttcacc accgatggcc actggaatga 360

tgacgtctgc aggaggccct accgctgggt ctgtgagaca gagttgggca aggccaatta 420

ggagcctcca ttcccctgat ttatttcctg agtgccttga gctgtgaggc ttagagttgg 480

gaggtcctac tcaagggtct ccccatcttt gggaactttc atctag 526

<210> 9938
<211> 497
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<400> 9938
catctcctgc tggtattcac aatggacacc agcagctcca cagtgtaaag ctctatgtcg 60

gaaaccagag ataggaaatg gagtactgtc tactaataaa gatcaatatg tcgaaactga 120

aaatgtcacc atccaatgtg actcgggctt tgtcatgcta ggttcccaaa gcatcacttg 180

ttcggagaat ggaacctggt acccaaaggt gnccagatgt gagcaggagg tccctaaaga 240

ctgtgagcac gtgtttgcag gcaagaagct catgcaatgt ctgccaaatt caaatgacgt 300

gaaaatggcc ctggaggtct acaagctgac tctggagatt aaacaattac agctccagat 360

agacaaggca aagcacgttg accgggagtt atgagcgggt gttctctcaa ggaggaagaa 420

gtacctcatg ggctttctga cttcagtgcc aagcagaacg tctgcatttt tagcaacctt 480

tgtaactttg gcaccaa 497

<210> 9939
<211> 317
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<400> 9939
tgcaatggtt gcactgctgg tcaccatctg tagcctngaa ggagctttgg ttcggagaca 60

ggcagcggag acggatgtgc agaccctgtt cagccagtat cttcagagtt taactgacta 120

tggcaaggat ttgatggaga aggcccagcc ctcagagatt cagaaccaag ccaaggctta 180

ctttcagaat gcacaggaga gactgacacc ctttgtccag agaactggga cgaatctgat 240

ggacttctta agccgtttaa tgagccccga ggagaaacca gctcctgccg ctaagtgagg 300

tgtgtcagga ctcgtct 317

<210> 9940
<211> 457
<212> DNA
<213> Rattus norvegicus

<400> 9940
gtgacacctg ggtgttcatt cacctgccat gtggtatcac aaacagaagt aggatctcag 60

ctggcatcaa aacttcttct ttcttactta ccccatatta agtaatgttt ataggaagta 120

atgtttgtag gtggggcttg agctcccaca ctagagtcag gaggcaaaac catgctgaag 180

ttctatatag caaaccaaac ctgagagtac tttcctgatc actacaatag caagagagca 240

agagcgagag tgagagcaag agcgagagag ggagggagga agggaggaaa ggggatggag 300

ggagggagga agggaaggag agagagagag agagagagag agagagcatc accatttcac 360

atagggtgtg aacagagtag gaaatcactt tgtttctcat ttaccaagag accatctgaa 420

agaatctgcc tttctttgcc cctgtcatac caagaaa 457

<210> 9941
<211> 561
<212> DNA
<213> Rattus norvegicus

<400> 9941
agaaacaccc agtaggcagc agtaacaaca actgagactc atggggcaaa ggtggctcac 60

ctctgcagaa gctgtcctgc ccttctctca ctcagtcctc tacacaagag cagcatgtcc 120

ccaagcccaa cgtacaggtt caaaagatag aacttaaaaa atttgaacct aaactgaggt 180

ggaaaagaca cagttagcta ggattgacac attggactct atcaccagca ttcaggaggg 240

agggaacatg gctccctagg aggcctgcca gaattacaaa gtgaaactca tctcaaaaaa 300

ggaacaacag aaaataaaat ttcaaattga tttctcttag accataagag tccagatctg 360

tatccaaagc tatttggtta tatttttgt tattgttgtt ttgtttacac attgtgtttt 420

tctttcggtt tgtaagtctg tttgggatat ttaatttaca tttactgatt agtgtgggtg 480

gtagggcata ccatggctca aatgtggaaa ccaaagaaaa gcttttggaa gtgtcatctc 540

ccttacaata cgtgtgtcca a 561

<210> 9942
<211> 374
<212> DNA
<213> Rattus norvegicus

<400> 9942
aggacagagg gcttcacctt gaaccctccc ctagctcagc cagctgttat ctctcgtggt 60

tttcaggact caggtttcac tgaaggtgtg atagctacca catcaccata tgacacggag 120

acccatgatg atttgatccc tgatatccat gtacaaccag atagcctttc atttaagctg 180

atatctgact ttccagaagc aacttcccac aagtgtcctg ggcgcccatg gaagccagtt 240

agtaggaagg atccaaccat agaaacaaca gaattttctg attttgatct cctcgatgct 300

ctttcttaac ttatacagcg taggaatctt tacaaatgct ttcccagcct ctttttctac 360

tgcccaaaca caaa 374

<210> 9943
<211> 491
<212> DNA
<213> Rattus norvegicus

<400> 9943
aaggcgaagg acttgcacac cagcatccaa cgcaacctgg atcagctgcg agatgagctc 60

agtaccttca tccgtgtcag cacagacggg gcagacaaca gagactccct ggaccctcaa 120

gctctctctg acgaggtccg ccagagactc caggcttttc gacatgacac ctacctgcag 180

atcgctgcat tcactcaggc cattgaccag gagaccgagg aaatccagca ccagctggca 240

ccacccccgc ctagccacag cgccttcgct ccagagttgg gacactcaga cagtaataag 300

gccctgagca gactgcagag ccggctggac gacctctggg aagatattgc ctatggcctt 360

catgaccagg gccatagtca gaataaccct gagggtcact caggttaact ctgcagctcg 420

ttgtctggac cctgagcctt cagcatggcc taataggcag agggtggagg gtcctgcata 480

ctattggcga g 491

<210> 9944
<211> 547
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (503)..(503)
<223> n is a, c, g, or t

<400> 9944
agtcaaaaac tgtcccctat ctataatctc attcctttga caatgaaaga tgcatacgca 60

aagaaacaga atatggaaaa ggctattgaa gactatgtna atgaattcag tgctagaaag 120

tgctacccat gtcaaaacgg aggcacagca attcttctgg atggacagtg catgtgctcc 180

tgcacaatca agtttaaggg gattgcctgc gaaatcagta aacaaagata gccttcagga 240

aacaaagcaa aacctggttc acatggaagg tggaaaaaag gacaaaaaaa gaagaagaga 300

gaggagagag aagagagaga gaaaagaaaa aaccccagga ctttccaact tagcatccta 360

ccctagagcg aatcctcact gccaagtaga aagcagcttg cttcatggaa atcctaccaa 420

cctctgatgt cgtctctgtt tcaggtctac agtgcctttc tcccctcttt aatgcctata 480

atgcttccat ttttttttt atnccctaat gaagaatcgg cagtgagata tgccaggact 540

gcctttt 547

<210> 9945
<211> 515
<212> DNA

<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<400> 9945
agagagaccc atcagcagag ctagtagaca gaatcattca acatacatca ttccaggaga 60

tgaagaacaa tccatgcacc aattattcaa tgctgccaga gaccatgata gatctaaaag 120

tatcgccttt catgagaaag ggaattgtag gagactggaa gaaccacttc cctgaagccc 180

tgagggagag atttgaggag cactaccagc agcaaatgaa ggactgccct gtgaaattta 240

gagcagagct ctgagacant tccttgtgtc tgaaattgga gtagtcncca atttatcctt 300

cagtttttct tgttttgaat tcagtagaag tagaagtctt ttgaagactg agggtttaaa 360

ttcattctgg ttttttaat ctaactttta tatcaatcta gtttctgaat gttttgttgg 420

caaaataaca tttttcatat atacatatat atacatatat atatatatat atatatatat 480

atatataaca caagcattgt cctctaatag tgttc 515

<210> 9946
<211> 556
<212> DNA
<213> Rattus norvegicus

<400> 9946
gagaccccgt gttcaagcag gcagttcaaa cgatacagac ggaatatttt taccttaccc 60

ccaacttgat aaacgacaca attgaacttc gggagtttca gaccacagac gaccagtgtg 120

tctataactt cacccatcta ggagtccaga gagagaatgg gaccttatcc aagtgtgcag 180

gagcagtgaa aatctttgcc catttgatag tgctgaagaa acatgggacc ttcatgcttg 240

cctttaacct gacagatgag aaccgggggc tgtccttcta tgctaaaaag ccagacttgt 300

ccccagagct gcggaaaata ttccagcagg ctgtcaaaga tgtgggcatg gatgaatcag 360

aaatcgtatt tgtcgactgg acaaaggata agtgcagtga gcagcagaag cagcagctgg 420

agctggagaa ggagactaag aaggagacca agaaggatcc ttaggccaag catgaactca 480

gctctctgaa ctccggggac tgtccccatg cccactctac ccccactcct gtgcacctcg 540

attctatttt ccacaa 556

<210> 9947
<211> 478
<212> DNA
<213> Rattus norvegicus

<400> 9947
tttatttaac ctctcatcgt acctggttcc ccgacactgg ataccaaaga tgaatccgat 60

cattcacaag ttcctttaca cagctgagta cagcgacagc tcctacttca gcagcgatga 120

atcagattga gttcttctga acatcagtcc aggctacagg attcccagtc aacttttatt 180

ttataaattt ttacaaatat gtgattggtg taacatattt atatttgtag ttcagagacg 240

tgatgttgtg gtccaatcct ggaaaaaatt atgatttcgc atatcatgat gatgtatgat 300

taagcagatt aagcattatg ataaaaataa cttggtaaaa tgttagcatc atcatacata 360

tgatgtattc tggttataac tcaatttacc ctgacactta cctccataga aacactttaa 420

gtaattagtt ccttattgct tcatacttta taaagcttgg tgagcagttc ttttatac 478

<210> 9948
<211> 562
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<400> 9948
gatcgaagtg accatcctga agcctcacct gcaggtccat gcaacgcctg aacgactggt 60

ggtgacaagg ggccgaaaaa actctgaata caagtggaag aagacactgt tctctgtgtt 120

acctggctta aagatgacca tggataagac gggactgnta cagctcagtg gcccagacaa 180

agtcaccatc agcctcttgt ctctggatga ccctcagaga ggactncatg ctgcttttga 240

atgacactca tcacttntcc aacgacatta caggggagct tggtcagttt taccaggata 300

tcatctggga tgatacaaaa cagacagtca gagttctagg aatcgactac ccggctacca 360

gagagctcaa gttgagttat caagacgggt tcccgggaac agagatttcc tgctggacgg 420

tgaagatata gaactgacag gagcattgtt tgctacctgc catgttgtcc tcgtatgcag 480

gcggatgaca ctgtgtgcca acagggccgc ctgtgaggcc tagaccttga tggggaagag 540

gatgctctct tgttacaaat aa 562

<210> 9949
<211> 534
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (62)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<400> 9949
ggtagagtcc acttcatttg caagagcccg gcgggcagtg ctgccccaag agaatgaagg 60

gnnngngngt gagccactca taactgggac cctcaagaaa gaagactcct gccagctnaa 120

ctactcagaa ggtccctgcc tggggatgca gcagaagtat tactacaatg gcgcctccat 180

ggcctgcgag accttccagt atggcggcng cctaggcaat ggtaacaact tcgcctccga 240

gaaggaatgc ctgcagacgt gccggaccat agcggcctgc aatctcccca tagtccaagg 300

cccctgccga gcctttgcag aactctgggc atttgatgca gcgcaaggga agtgcatcca 360

attcatctat gggggctgca aaggcaacgg caacaagttc tactctgaga aggagtgcaa 420

ggagtactgt ggagtccctg gtgatgggta cgaggagcta acacgcagtt gaaggagccg 480

gtctgcaagc cagagggtag ccacggtccg tcactgtgca gtccagctta gatg 534

<210> 9950
<211> 542
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<400> 9950
aactgaggat gctactccag cagctctgga aaaaggtacc cacaatggga atattcctcc 60

tctccaacct ggtccttccc ctaatggcct gaattctggt cagatggcaa attagaatgt 120

gaaacttcga agcagcaaga aaaggaacga acgtcgacgt tgccggaatg tttgtctagc 180

acttcgggca aaccatcaga accatggagc catgaactga gacagaaggg catctatcta 240

tccagtaact gtaacccata ccaatttgct tttngtttaa attttctatt taaaagataa 300

acaagaatta ggcaaaaatg ttcctgccta taatcccgat gctcagaaac tcaagatcaa 360

ccttaagtat acaaaacaag actgtctcaa gaaaccaaaa acacttttca gtggctatga 420

actctatgaa agctgaacca aacagcttca tctgataaac attaacttca ctatttccaa 480

actttccagt aagcaggtgt tttgttcatt aaacatccac aacctgcttc atgttactca 540

aa 542

<210> 9951
<211> 312
<212> DNA
<213> Rattus norvegicus

<400> 9951
aggatgaggc tcttcatcgc acttcctgtc ctgatcgtgg tcgtagccat ggctttggaa 60

ggcccagccc ctgcccaggc ggcccctgac ttttccagcg caatggagag cttaccggat 120

aaactaaaag agtttgggaa cactttggaa gataaggccc gggcagccat tgagcatatc 180

aaacagaagg aaattatgat caagactcgg aactggtttt cagagacgct caacaaaatg 240

aaggagaaat taaaaaccac atttgcctga gtgcctggcg agccacctcg cagcagcaaa 300

gagggccacg tg 312

<210> 9952
<211> 520
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(343)
<223> n is a, c, g, or t

<400> 9952
gaacattttt gaactcctct tctggggcag atcctctgat ggcgccaaag gaccccaatt 60

catcagcagg gattggcatg gtgtaccagg gaaagtggac gctgctatgg ccggccgcat 120

ctacatcact ggctccacat tccgctctgt ccaggccaaa aaacagaagt ctgggcgtcg 180

aagtcgaaaa cgctaccgtt cacgccgagg ncgtggccat agccgcagcc gcagncgcag 240

catgagctct cgtcgcccat cgcgttcagt ctggttctct ttgctctcca gcgaagagag 300

tgggctagga acctacaatt acgattatga tatgaactgg cnnatacctg ccacctgcga 360

gcccattcag agcgtctatt tcttctctgg agacaagtac taccgagtta accttagaac 420

acggcgagtg gactctgtga atcctcccta cccacgctcc attgctcagt attggctggg 480

ctgcccaacc tctgagaagt aggaatcagc acccacacag 520

<210> 9953
<211> 532
<212> DNA
<213> Rattus norvegicus

<400> 9953
agggaccaag aacctgcatg tctctcaggt ggtccacaaa gctgtgctgg atgtggatga 60

gacaggcaca gaaggagccg ctgccacagc agtcacagca gccctaaaaa gtttaccgca 120

aactatacct cttctgaatt tcaaccggcc attcatgctg gttatcactg acaataatgg 180

tcagtctgtc ttctttatgg gcaaagtcac taaccccatg tgagtctgaa gctccccaaa 240

atctgacaat tctgcccagg atcctggaac agagcctgga tgctgatctc tgtatatgcc 300

ctgacataca tgctctgatt ggctattgca aagttggctt agacagtgac atcaactatc 360

tctatggctc ccatgtgcac tggagccttt ggattgtcag tgtgcaggca cttaggaccc 420

ttgggagcat ctacacatgt ttctgaactt ggaatctttc tttattcttc ttccctggtg 480

actcctcttt ctgtgttcat accccaaacc aagccattga taagtcccag ta 532

<210> 9954
<211> 454
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<400> 9954
ggcatttctc tgtcaggctc actgtctgtn tagactctat ctcttctgct gctggctact 60

gtcttttcct ttacttgatt tcctggtgga tgctcacaga tgactcttcc ccctgcccct 120

cattttgaca ggacggataa tggcgccatg cagcctttta ctgactgaca gactacccac 180

aggttgctta acattttgtg cttcaaagcc ttatcccacc ccaggatggg atgtttcaag 240

gctgcatctc agcacagagc tgggatcctc aactcccgtg ccccagagtg aaacacttct 300

tttcattcgt cagaaaatct gaaataaaac tgtgctaatt gagacacatt gggatatgca 360

tgtaatatca gcactaggga agttaaggca agaacatcat gaattcaagg ctagcctgga 420

ttacatagtt gcagactaac ttgggctaca ggga 454

<210> 9955
<211> 547
<212> DNA
<213> Rattus norvegicus

<400> 9955
atgtcatacc acacccatag taggggcttt gtccagagag gcagtgttgc tggtgacggt 60

ggtggtgatt ccaggtttgc caaagccatt catcccccag caccttaagc agtaagcagt 120

cctgcttaaa tcaagttaac caggacttcc cagcataacc aggaatgtag tatttcccgt 180

cctcctcttc tgtaaatgaa ggaacatgag gggaggggcc ggctcacaca tacatgagtg 240

gaaaactgtc agagtctgag gctctggttc tttgctgacc tagaggctgg gctcagcagc 300

ttgagaactc cacagctgtt cctgtctctg aggagcttct gttccccggt tctgtcagtc 360

agctaggtct gcagtgctga ctctgggatt ctcttatgaa tatgcctgat gggcaagcca 420

gaggaagatc tagaaacacc gagtaattca gagcagcctg cttagtaaat ggtgggaaga 480

aaagccgacg ctggctcctc tctctgggga ctgtgaagtg atgatccgga tttaccatgt 540

ccctgaa 547

<210> 9956
<211> 552
<212> DNA
<213> Rattus norvegicus

<400> 9956
gggaataact catcttcttt aacgacaaac ttaatcctaa gggctatttc taagacagaa 60

gaatcagctt tctttttatg ttaaacgttt ggggagcacg ggatatgcac agcattaaat 120

aacacttgct tcaccttaga aagtacttaa ggaatgatgg acaaataatg gacaggatga 180

gaaccctggc aagtggtgtt ccagaaacgt tccaccaaaa acctacatag gcttggcatt 240

cccatgtact taggaaattc tgtgctatat atatatatat ttttctaata agttgattct 300

ttaccacccc ttaaagaatt ttcactctca gtaacaaaca gcattagagg tactttattt 360

tgaagaatag actaatattt tttatatttt aacaatggac aattgtagat gattgtaatg 420

atacgtcaga aggaaacaga aacgtagatg agaacacaga tgacgcgggg acagttaaat 480

taataccgaa ataatccaat acagcacctt cgatggcttt tatacaaaag ttcaatgtgc 540

atttcactca aa 552

<210> 9957
<211> 394
<212> DNA
<213> Rattus norvegicus

<400> 9957
ggagttttcc tcaagaccaa gatgggggag aggcagaagg caggggagat gaccgaggtg 60

ctaaccagcc agcgctacaa tgcccacatg gtgcctgagg atgggagcct cacctgcacc 120

gaggctggtg tctatgtcct gcgcttcgac aacacctata gcttcgtcca tgccaagaag 180

gtcagcttca cggttgaagt gcttctccca gatgagggca tgcagaagta cgatgaggag 240

ctcaccccta tctaggtgga ccccccactt ctcagagacc ccacgctctg ttttccctct 300

tctctccttt cattcctaaa cctgatcatt agtcgggctt actctgtgac accagtgcgc 360

agaggaagag attgcccgga gaagatttat ctgc 394

<210> 9958
<211> 330
<212> DNA
<213> Rattus norvegicus

<400> 9958
gaagttactg aagagcccct ccctgtgaca ctgaagagtt acgatgtcag tgcattcaaa 60

taacgtccga gtcgatccct tgcaaattca ttaaaaccat cgaggtgata tacgagaata 120

tttactgcaa cagaatggaa gtgatagcag tgctaagaga cgggaatgca atttgtttgc 180

atccgaattc tacgtgcgtg aggactctta tcgacaacat tcctagcaga cctttcatac 240

ctaaggacta cgcatcagcg aacaatctac gtggaatgaa gtttatgtac agtgttgagt 300

ttgaaaagct cctatatctt tcatttatgg 330

<210> 9959
<211> 556
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<400> 9959
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gtagggcatg aggatgaggg catctacagc tgcgtggcna cccaccctag ccatggacct 120

caggaaagcc ctcctgtcaa catcagggtc acagaaaccg gtgatgaagg acaagctgca 180

ggctctgtgg atgggtctgg gctgggaacg ctagccctgg ccttagggat cctgggaggc 240

ctgggaatag ccgctctgct cattggggcc atcctgtggc gaaaacgaca acccagactc 300

gaggagagga aggccccaga aagccaggag gacgaggagg aacgtgcaga gctgaatcag 360

tcagaggaag cggaaatgcc agagaatggt gcaggggac cttaagagcg cccaggcaaa 420

ccctgtctcc ttcagcttcc gacctcagct gtgctggctc cagacgagct cccccactct 480

acgatcccaa ttcaacctcg agccactttc ttctccaacc agagcccaca tgatccatgc 540

tgagtaaaca cctgac 556

<210> 9960
<211> 556
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (279)..(279)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<400> 9960
gatcaaccag gcctggaaca ccagtgaaca ggctatgcca caggcaatgc accaggcctg 60

ccttcgcttc tggctagaca ggcaaaagtg tgagcagttt gtggaacngc acatgcccca 120

gctgctggcc ctggtgccta ggagccagga tgcccacacc tcctgccagg cccttggagt 180

atgtgaggcc ccggccagcc ctctgcaatg cttccaaacc ccacacctct gagaacccag 240

gctccagcaa cctgtaccaa aggaccacaa gtctcagcnt gcacccccag ccctgtgcca 300

gcctgtatgt cccagctcta accacagccc aacaacacca ccagagtggt ttctggctcc 360

tctgatgatg aggtgcagca gaaccatgtc ntctagaagc cttcagaggg ggcttcaggc 420

cttcaccccc accagagcca agcccagctc caacagctcc tacagcccca ggactgaaaa 480

ggaactgtcg tgggtccaca gagagtgggt agaagtgggg ctagccacag caacccctg 540

ctaacacttc tgtgaa 556

<210> 9961
<211> 320
<212> DNA
<213> Rattus norvegicus

<400> 9961
acactagctt tcattcggca tgcttaggta gcattgctgt tttatcagga gctgcatgct 60

ccctcagccc tcactgcaat gtttaacacc tcacagacac cttcattccc ttccactgcc 120

atcctgttcc acactgtgcc attgttcaat gcagcctacc caggtaccct gcattctgtt 180

ttgccttaga gtccccaaag ttgtaccatg atgctcgaca cagctggaca gtttgtccct 240

atttgtgtgt gttccaatgt cctcctgttt gtatgggact tgttttgtca atgcctgtgt 300

gtgtatccaa gctcttccac 320

<210> 9962
<211> 284
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (214)..(215)
<223> n is a, c, g, or t

<400> 9962
gaatttacat caataactgc tcatgggtta aagtctgcac tgacatttcc tcgtctgccg 60

ttggcataca cgcaaggtgt taatgacctg caacatggta gagtgccctg aaccctaact 120

tccccagaac tgggactgtc tagcgacagg cactgaatag caatgcaggc tgaagacctc 180

catgtttaga gtttaacctc aaaagttaac ttgnnttttt ttttttaaat gtgaattact 240

gtaacataat ctatttttgg attcgtgtgt tttccaggtg gaca 284

<210> 9963
<211> 376
<212> DNA
<213> Rattus norvegicus

<400> 9963
cccaggttcc atcacatttt ttcatagtct attgacctgg aaccttcaca gtcttccagt 60

agcttatata atttcctcac aggatgagtt gaggaaacaa caggtttttc ttctctcttc 120

cctctgattc ctttgtatcc cactttcatc ttggctttta agttgttcta gattcccaaa 180

aaagccattt tgcattacag ttgaacacac aaagactgaa atgtaagatg ttagtgtgta 240

agttaaaaca taacaagttt tgtttcgtgt tgtttccagt tagagaaagt tcccagaaca 300

gggaagttct aaaacagaac tctgatagtg agctaccttt taaaattgaa agctgtcata 360

gtaattcctg atcttt 376

<210> 9964
<211> 544
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<400> 9964
tgttccaggc attcctcaac tactaccttc tcaacagcct ctaccctgat gtcaacgatg 60

agctggccaa gggcttcccc ctccctctac caaggcgtat taagctccac gacctcgact 120

tccagatcca caagaacttc ctatacttgg gtgccaatgt ccagtacatg agagtctgag 180

gacaagaaga aagatgggcc tcagaggcca cagcgggacc tgccatttgt aattccagat 240

gcgtagcaca tctccagaga gtctcaaaat acaaagaagt ttctgttcct ggctctggtg 300

gatcctgtcc ccacagtcct nttcaccagg tgcaccctca gcctggactt gactctgacc 360

tctccaggga gaagccctcc ccccaccaac ctctccaggg agagcccctc cccccaccaa 420

cctctccagg gagacccctc tcccaccact gacctggaat cacttaaaga gcaggcactg 480

tggttttgag tgcaccttct caccttcatg tctgacggag tgctggcact tagtaggtcc 540

tcaa 544

<210> 9965
<211> 496
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

<400> 9965
ggacctgtgt tttattccac accagtggct atgactcaca agctatcgtc aagaacaatg 60

gcagcacaga gtatggactc ttccagatca gtaacagaaa ttggtgcaag agtagcgagt 120

tccccgagtc agagaacatc tgtgacatct cctgtgacaa gttcctngat gatgagcttg 180

cggatgacat agtatgtgcc aagaagatcg tggctatcaa agggatcgac tactggaagg 240

ctcacaagcc catgtgctct gagaagctgg aacagtggcg ctgtgagaag ccgggagctc 300

ctgcccttgt tgtccctgcc ctgaattcag aaacacctgt tccctaaggc tacctcagtt 360

tggctctttc tatcgtgaag atgatctgtc tctgagcctt gtatcctgta gtgacaccat 420

cggactctag aggacttttg ttcaacagga gtgcgactgg cacactggac tgcaaaccct 480

tgcttagtga cggcga 496

<210> 9966
<211> 387
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<400> 9966
agcccttgct cggaacctac aggaacatgt cttcaactca gttcagtcca tgtgccctga 60

tgacagctcc agtgaggaca cagaatgtat caantgtcaa accaacgagg agtgtgccca 120

gaatgacatg tgttgtccca gttcctgtgg taggccctgc aaaactcctg tcaacattga 180

ggttcaaaag gctggccgct gcccctggaa tccaatccag atgatcgctg ctggaccatg 240

cccaaaggnc aacccatgct ccatcgacag tgattgttct ggcaccatga aatgctgcaa 300

caatggctgt atcatgagtt gtatggaccc anaaccagan tctcctacag tgntatcctt 360

tcagtgatga agcctgccct gggatcc 387

<210> 9967
<211> 353
<212> DNA
<213> Rattus norvegicus

<400> 9967
gcatgagggc ctcgaatgag acattgttct gtgccatgac ccgggctggg gaatccatct 60

gcgctcctcc ttctgggcag tgtgtctgaa gacaccaagc gtcacttcag gctgaggtcc 120

cagatactca gggaatcatc tgcaaaccag gctgaaacgg aaatgtcccg ccatcagcca 180

aggacagccc tggtggctga gggggcctgg ggcgagtgga gaaaagttgc tgttctgggg 240

gatgaagagt tctgggcaag gtccttttgc tgtggaggac agcctagact gtcgctcgct 300

gctgccctga ccacttgggt gcgccgaaga ggctaccggg agatctgcaa aat 353

<210> 9968
<211> 545
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<400> 9968
aatggaggcc aatgcaagca cctgccagat gggccccagt gcangtgcgc aaccttcagc 60

atctacacat cctggggcga acgctgtgag catctaagcg tgaaacttgg ggcattcttc 120

gggatcctct ttggagccct gggtgccctc ttgctactgg ccatcttagc atgtgtggtc 180

tttcacttct gcggctgctc catgaacaag ttctcctacc ctctggactc agaactgtga 240

ggcctcgtcc cagatgggca gctgcaccta gaatacctca ggacccgccc accggtctgc 300

ccctgctcta gggagactgg aaagggccga ctgcatgaag atgatttgag attcttcaag 360

catgaataaa gggagtgaaa ccagactcta ccattttagt aggccatggg tataggaaaa 420

ggccagatga ccaaatgtag agatggatgg attcctatac agcacatggg aaaggatatt 480

gcctatgtac acacacacac acacacacac cagagttaat ggatgactgg ctttatattc 540

accaa 545

<210> 9969
<211> 452
<212> DNA
<213> Rattus norvegicus

<400> 9969
tatttactac cactacagga cctctgtgcc tgttagccca tacgcgtatt tcccagttgg 60

tctaaaacta cttctacttc ggtctccagc ccaaatcctc aaatggcaac caatgccaaa 120

tttcccccag cctgtcggag tacctcatcc cattccaaac ccatcctttc ttgccattcc 180

cacaaatgaa aagcatgata acaccgccat tccagccagc aataccattg ctcccattgt 240

gtccacacca gtttctacca cagagtcagt ggtaaatact gtggccaata ccgaagcttc 300

cacagtgcct atcagtaccc cggagactgc cacagtccca gtgacctcac ctgcagcata 360

aaagcgcaaa ggaaacattg aagaagacag tcaaggtctg aaaccaaatt ccaacttcaa 420

actcttcttc agggatttgt ctaccaccat tc 452

<210> 9970
<211> 584
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (506)..(507)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (558)..(558)
<223> n is a, c, g, or t

<400> 9970
agcccagctc caggcacaaa ttgtgcaggc ttttcctcag actcccgcgg tggtttcttc 60

tcagccccag ctgtctcntc ctcagtccaa aagtcagtac cttgtgcagc aactagcccc 120

cctcttccaa caaggtatgc ctgttcaaga ccttctgcag tacctagatc ttctgcttaa 180

ccccaccctc cagttccttg ccactcaaca acttcattcc acttctgtct aagaggattt 240

ccgggttatt tctctcctca tcatttttt tttgaattga ctgaaactgg aaatgtacaa 300

tcattttcat cttgggatca tgctacaaaa gtgatatatt tctgaatgaa actacatgga 360

aaaaaagaaa ttttattctt ttatttattc tatgtattat atgatattca tttgaatttg 420

acccatggac tctatatgtg tctcaattat atttcatata atactacaaa tgttcaatat 480

tgagtttaaa tgaaagtcaa taatgnntac aaaatagctc atgaaaaatt ggatttacta 540

ttatttcttt gggaaccnat ttcctttcca gtcatttcaa taaa 584

<210> 9971
<211> 504
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<400> 9971

aagtttgatg tccacatgct gccaggcgac cacttttatc tgatgaagcc cgacaacgag 60

aactttatca agaactacat agccaagtgc ttggaactct cgtcactcac ttgactactt 120

ttagatgagc tttctttggg gctgtggata tgcagacggt tcaaaagctg ctcctctggg 180

tccagctttt agttcttaga ggttggaaag gtgcatatta atgaatttct tcgtggagca 240

tttatctctc tggggaaagg acacggctga agaggcgcac aggcactatt gggagctaac 300

agaggggaga ggggggtggt tttctttggg gggatgttgc cctcagtagg tacccatgct 360

ccagtaaatg acactacacc ctngtggcac atgcaggcag ctctaatgca gactcagtgg 420

gaagttggga ggcatacatg ttgggggaca tctgtcacgg ggcttggaaa gacaagtgag 480

ggtctgatca aaacctgctg ttta 504

<210> 9972
<211> 155
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<400> 9972
atggctcagt tgttaagacc tccgactgct cttccagagg tcctgagttc aattcccagc 60

aaccacatgg tggctnacaa ccatctataa tggaatctga tgccctcttn tggtgtgtga 120

agaagacaac tacagtgtac tcactctaca gtgta 155

<210> 9973
<211> 232
<212> DNA
<213> Rattus norvegicus

<400> 9973
aagaaaagca taacgaaggt ccaagcttct gaacacttta tcctgcattt ttttgcatca 60

agctttattg tactatgctc atagaattta aaaaaatctt ctttttaat ataacgagtg 120

tgaatttgcc gggttatttg ttgtgtgtgt tttgacagag agccctggct gctcctcaag 180

aagacctagg tttgattccc agctcccaca accaccggga actctagctc tg 232

<210> 9974
<211> 516
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<400> 9974
ctgccaattg gcctgagtct gtggaagtgg caagaagctt ctggaagacc agcaaagagc 60

ggcagggcga gccaatgcca ctgtcagttc agttatactt ataccctttc taaacatcac 120

atgtcctctc aagtgtccac cccagcaaga caccacatgc cctttctcca ggcagcttcc 180

agaagaacac cacgtgtctg ttttcagcaa aacgtcctcc acgtgtctcc ctcagcaaaa 240

cattctctga taagaagaca gtttccagaa aaacatcaca ggacacagct gaatctccac 300

agaaatcaga gattcccact tctcctgtga tcttcccaga ggtttcacac tgtgttgtta 360

accttcttta ccccagaaag ttagctaaag agactgtaac tatcccttca nttcccaaca 420

tcagatgggt aaatagaaga ggagtccaga gaatccttaa actgcctcat ggcaaaagac 480

aggatagaaa aaaatactct gttccaccta acaggc 516

<210> 9975
<211> 161
<212> DNA
<213> Rattus norvegicus

<400> 9975
tgtccccagg ttctgtggat accaagatgc tcaaagggga gtagtggcaa agggctgtgg 60

cctatgggta ccagggcagc agccactggg gatctggatg agctgccttg ctcactgaag 120

cttcagtcac ctcccgagtc ttctggtcta ccctccacaa a 161

<210> 9976
<211> 38
<212> DNA
<213> Rattus norvegicus

<400> 9976
ggctaactgt tatggacgcc tcatctctga gctcaaac 38

<210> 9977
<211> 439
<212> DNA

<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<400> 9977
agccaccact aatgctcagg caggtctttt ctcaccgtga gaggagacct tagaatgcag 60

ttgttatccc tgctccttgg attctgatct acaacagagg tcaccttagt ttattgtttg 120

tcagatttca gtgccactga agtagcttcc taagttattg ccttggaagt aactgagtaa 180

aaatggtcac cactcccatg aggctttaag taaagggtaa aagacatcat tgtgaaataa 240

ttttaatata tacaccatgt agttttattc tattgcaaag aagaagtcat ggatggaaag 300

gtgtttagaa gcaactagca aattctgtcc tggttaaata acaatctgca atccttgctt 360

cntcgaggac agagagaaga cagcagagat aatgtggaaa taaaaaccat ctaatgttac 420

gtcctcctct taaaaattg 439

<210> 9978
<211> 330
<212> DNA
<213> Rattus norvegicus

<400> 9978
tttgagagtc cttctgttct tcagtgtctg gatgctccag tcctgtctga ttctgtttgt 60

cacaaggcct acccacgtca gatcactaac aacatgttct gtctcggctt cctggaaggt 120

ggaaaggact cttgccagta tgactctggt ggccctgtgg tttgcaatgg agaagtccag 180

ggtattgttt cctggggtga tggctgtgct ttggaaggga agcctggtgt ctacaccaag 240

gtctgcaact acctgaactg gattcatcag accattgctg aaaactaagt gcctctatct 300

cataaggagt cactctgtga tgacctttt 330

<210> 9979
<211> 284
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (221)..(223)
<223> n is a, c, g, or t

<400> 9979

aaaagagtct cagctgccag ctctggccat ttacgaatct gtggatgaca agtgggacgc 60

cctgaccatc acagaagtta cggtggagaa ggtccaaagc ttctgcaatg gattcctaaa 120

gggtatgctg ttgagagatc agaaagctga aaacgactct gggaaggagg agctctgacc 180

gctccctgga acttgaactc gctgttctct gtctattccg nnntgaataa aaaggagccg 240

ttccagcctc tgcaacactc aggatcactg ggtgttctga caag 284

<210> 9980
<211> 204
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<400> 9980
cattggattt agctaccctg tggtcccgaa gggcaaggcc cggatccggg tgcagatntc 60

agccgtacac agtgaggaag acatcgaccg ctgtgtggag gcctttgtgg aggtggggaa 120

gctgcacgga gctctgccct aggctcagac cagaggctct gactcaaccc agagttctag 180

agcctggtta aaaatgggcc tgta 204

<210> 9981
<211> 185
<212> DNA
<213> Rattus norvegicus

<400> 9981
ttttccacat gtggcgcttc tacaactctg ccaggatgag gaaggtggct gacttttcc 60

tcctgcagtc taactacagc tatgtgaact ggtggtccac agctcagagc cttgctattg 120

ttctttccgg ggtcctccag ctctatttcc tgaaacggct tttcaccatc tcaactgaca 180

caaag 185

<210> 9982
<211> 335
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<400> 9982
catcaatgtc tttgagggca ataagcagtt tgtcaatgct gccaagatca tcaagcatcc 60

caactttaat gcaaggaacc tgaacaatga catcatgctg atcaagctct ctgtccccgt 120

gaccctcaat tcccgagtgg ccactgtggn tctgcccagc tcctgtgcac ctgcaggcac 180

tcagtgcctc atctctggct ggggcaacac cctcagtctt ggtgtgaaca acccagacct 240

gctccagtgc ctggatgccc cagtgctgcc tcaggctgac tgtgaggcct cctatcctgg 300

aaagatcacc aataacatga tctgtgttgg cttcc 335

<210> 9983
<211> 453
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (290)..(290)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<400> 9983

cagcggccag tcaagactct tgtgagcaag aattttgagc angttgcctt tgatgaaacc 60

aagaatgtgt ttgtcaagtt ctatgcccca tggtgcagcc actgcaagga gatggctcca 120

gcctgggagg cactggcaga gaagtacagg gatcgtgagg acattgtcat tgctgagatg 180

gatgctncag ctaacgagct ggaggccttc tctgtgcatg gctatcccac tctcaagttc 240

ttccctgcag gacctgaccg aaagattata gaatncaaaa gcnccagggn cctanagaca 300

ttctccaagt tcctggacan aggaggtgcc ctgcctgagg aaaaatccaa ggagcctgca 360

gtctttgccc cagaagcaca acccaattcc cccttgggtc ccaaggagga gctgtagcca 420

ttgggacact gtattccaaa aagtggtgtc ctc 453

<210> 9984
<211> 146
<212> DNA
<213> Rattus norvegicus

<400> 9984
gctcaattta gcaggtaaca ctacagctaa ggtgattggg aaaaaggcta attgccctaa 60

tacacttgtt ggatgcccca gggattatga tcctgtgtgt ggtactgacg gaaaaactta 120

cgccaatgaa tgcattctat gctttg 146

<210> 9985
<211> 407
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (35)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<400> 9985
atgtgggttc ctctcttaca tggacctttt nctannatca tagaccatca gcaagcaggt 60

cattgttcca acatggccct gtggatgcgc ttcctgcccc tgctggccct gctcgtcctc 120

tgggagccca agcctgccca ggcttttgtc aaacagcacc tttgtggtcc tcacctggtg 180

gaggctctgt acctggtgtg tggggaacgt ggtttnttct acacacccaa gtcccgtcgt 240

gaagtggagg acccgcaagt gccacaactg gagctgggtg gaggcccgga ggccggggat 300

nttcanacct tggcactgga ggttgcccgg canaagcgtg gcattgtgga tcagtgctgc 360

accagcatnt gctccctnta ccaactggag aactactgca actgagt 407

<210> 9986
<211> 501
<212> DNA
<213> Rattus norvegicus

<400> 9986
ctggcagcag cacccgatat gaggatagtg atggctgtta cttgcagaag tcccggcccc 60

cgaggaagct ggagcttcag cagctgtcta gcggcagcgg tggcagcaga ctcaaccgga 120

tcaggagcag cagttcagct gccaacctga tagccaagaa gcgcgtgatc cgcatgctca 180

ttgtcatcgt ggtcctcttc ttcctgtgct ggatgcccat cttcagcgcc aacgcctggc 240

gggcatatga cacggtttct gccgagaagc acctctcagg gactcccatc tccttcatcc 300

tcctcctctc ctacacctcc tcctgtgtta accccatcat ctattgcttc atgaacaaac 360

gctttcgcct gggcttcatg gccaccttcc cttgttgccc gaatcccggt cccccagggg 420

tgagaggaga ggtgggagag gaggaggatg ggaggaccat aagggcattg ctgtccaggt 480

attcctacag ccacatgagc a 501

<210> 9987
<211> 476
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (291)..(291)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(387)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<400> 9987
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tccaggctgc cagctgttct cctcatcctc tcggtggcac tcggccactt gagagctaca 120

cctgtcggaa gtggtaccaa ccctcaggtg gacaaacgga agtgcaacac agccacatgt 180

gccacacaac gtctggcaaa cttcttggtt cgctccagca acaaccttgg tccagtcctc 240

ccaccaacca atgtgggatc caatacatat gggaagagga atgtggcaga nggatccaaa 300

tagggaatcc ctggnatttc ttactcctgt aaagtcaatg tnactcccgt atctcttatt 360

acttcctgtg taaatgctct gnatganttc ctgnaataat gtaacagtgc ctttgnccat 420

tcccgcccaa gtgagaatgt acaacaacgt gcctgtgctt gctgtgtttg taaatt 476

<210> 9988
<211> 476
<212> DNA
<213> Rattus norvegicus

<400> 9988
ggagctacaa gtactacgcc agcagcatcc tcaaccccga cggcttcctg gggtaccctt 60

gctcttccta tgagaagttc cagcagaatg actgcttccc ttgtccagaa gaagggtgtc 120

ccaaaatggg gcactatgct gatcaatttg aggggaaaac cgctactgtg gaacaaaccg 180

tttatctgaa tacaggagat agtggtaact ttactcgttg gagatacaaa gtatcagtca 240

cactgtcagg agcaaagaaa ctgagtgggt acatcttggt tgctctgtac ggaaataatg 300

gaaactcaaa gcagtatgaa attttcaaag gatccctcaa accggaagca aggcatgttc 360

gtgacattga tgtggacatc aatgttggag aaatccagaa ggttaagttc ctctggaaca 420

acaaggtgat aaatctcttc cggcccactc tgggagcttc gcagatcaca gtgcaa 476

<210> 9989
<211> 76
<212> DNA
<213> Rattus norvegicus

<400> 9989
gtcccaggat ttatgaccct gtgtgtggga ctaacggaat tacttacccc agtgaatgca 60

gtctgtgctt tgaaaa 76

<210> 9990
<211> 564
<212> DNA
<213> Rattus norvegicus

<400> 9990
gaacagatgc ccaaaccaac gtgattccac catcaatgtg gaggagaatg gggtgtcctc 60

ggaaagccga ttttcagtgc agatgttcat gtttgctgga aattatgacc tagttttcct 120

gcattgtgag gtttacctgt gtgactccac tactgaacag tgtcaaccat cttgctctac 180

aagtcgactt cgcagtagtg aaccagccat cgacttaact cgggttctgg atataggacc 240

catcactaag aaaagtgttc agaatcctga tacctccaac gggactcccc gcaatacagg 300

gttcctgttg gcctggccca cgttcttcct gcctgtcttc ctggcctggc tgttctgaga 360

gtccagctgg gcacctggcc ttaaagttct tccctctggc aacggctcat atccaccgtt 420

cagtagaact gaatccctct gtgaatcatg tgaacagccc aggagatgca atgtgtattg 480

gtaactcctg gttagagttg tcctgatagt gggcagaaaa gggcaaatcc catgattctt 540

tcaaaatctc tcttgtcctg acag 564

<210> 9991
<211> 506
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<400> 9991
gatagtctgc ttctactaca tagatctgaa aaagcagcat agcttttaa cagtgaagcg 60

tcaatgtgtt gacagcaaat gtccacctag catgccatga gctgcacaag ataaaaaacc 120

ctgcacgaga aggcaagtgt tttttgccaa gcaggtgtag ggcaccacag aactgtgtcc 180

ttctcagtga gactgggaaa caaggtttct aatttaacta ctggcccccc agtanttcag 240

gaaccacgac atgatttctc cgtttcttaa agggagaagt ttagctaaag acacattcca 300

ggtgtcacta atagttccaa agctaggtga ctaagtgttc agtgagagcc gttaagaagg 360

aaaaccagct aatcaccatt ccagttcgac gttatttttg aattactatc tacttaagat 420

ttctcataat ttgtgctcag gcagcacaat caagaggggg gagagggcaa aattactaag 480

tgacagttat tctacatcta agtctg 506

<210> 9992
<211> 509
<212> DNA
<213> Rattus norvegicus

<400> 9992
aaagatcatt cgacaccctg agtataacaa ggacactctg gacaatgaca tcatgctgat 60

taaattgaag tcacctgccg tccttaactc ccaagtatct acggtctctc tgcccagatc 120

ctgtgcatct acagatgctc agtgccttgt gtctggctgg ggaaacactg tgagcattgg 180

tggtaaatac ccagcactcc ttcaatgcct ggaagcccct gtcctctctg ctagttcttg 240

caaaaaatcc tacccaggcc agatcaccag caatatgttc tgcctgggct tcctggaggg 300

tggaaaggac tcctgtgatg gtgactctgg tggccctgtt gtctgcaatg gagagatcca 360

gggcattgtc tcctggggtt cagtctgtgc aatgagaggg aagcctggtg tttacaccaa 420

agtctgcaac tacctgagct ggattcagga gactatggcg aacaactgag ttctcttacc 480

tttcgtaaat caccggttca ctatccatt 509

<210> 9993
<211> 435
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<400> 9993
cacttctgct cggtgttgac caaaaatcgt tctctgtttg agntgcaaat gagcagcaac 60

ccgctgggag actcgggagt cgtggagctt tgcaaggccc tgggctatcc ggacacagtg 120

ctgcgtgtgc tttggctggg agactgtgat gtgacagaca gtggctgcag cagccttgcc 180

actgtcctgc tggccaaccg cagcttgagg gaactggacc tcagtaacaa ctgcatgggg 240

gacaccggtg tcctacaact gctggagagc ctcaaacagc ccagctgcgc ccttcagcag 300

cttgtcctgt atgacattta ctggacggat gaggtggaag accagcttcg ggccctggag 360

gaggaaaggc catccctgag gatcatttcc tgagatgtac acctctggac acaagatatt 420

aatccagccc cagag 435

<210> 9994
<211> 492
<212> DNA
<213> Rattus norvegicus

<400> 9994
caagcatccc aacttcgata ggaagaccct gaacaatgac atcatgctga tcaagctctc 60

ttcccctgtg aaactcaatg ctcgagtggc cactgtggct cttcccagct cctgtgcacc 120

tgcaggcact cagtgcctca tctctggctg gggcaacacg ctcagcagtg gcgtcaatga 180

accagacctg ctccagtgcc tggatgcccc actgctgccc caagctgact gtgaagcctc 240

ctaccctgga aagatcactg acaacatggt ctgtgttggc ttcctagagg gaggcaagga 300

ttcctgccag ggtgactctg gtggccctgt ggtctgtaat ggagagctgc agggcattgt 360

ctcctggggc tatggctgtg ccctgccaga taaccctggt gtgtacacca aggtctgcaa 420

ctatgtggac tggattcagg acacaattgc tgccaactag agctctccaa tccctctaca 480

gtcattatgt ca 492

<210> 9995
<211> 382
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<400> 9995
acagtcggaa accatcagca agcaggtcat tgttccaaca tggccctgtg gatccgcttc 60

ctgcccctgc tggccctgct catcctctgg gagccccgcc ctgcccaggc ttttgtcaaa 120

cagcaccttt gtggttctca cttggtggaa gctctctacc tggtgtgtgg ggagcgtgga 180

ttcttctaca cacccatgtc ccgccgcgaa gtggaggacc cacaagtggc acaactggag 240

ctgggtggag gcccgggggc aggtgacctt canaccttgg cactggaggt ggcccggcan 300

aancgcggca tcgtggatca gtgctgcacc agcatctgct ctctctacca actgganaac 360

tactgcaact aggcccacca ct 382

<210> 9996
<211> 549
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (284)..(287)
<223> n is a, c, g, or t

<400> 9996
gcccaggtaa ccaggcccag aaggtcatca tctgccatcg aggcacccgt tcgccctccc 60

ccagcgaccc ggactacggt ctccctcctc ttgcagggca ctccctttcc tgggctgatg 120

aaaaacagct caaagaacaa aatattattc gtacagctaa agtgtggacc ccagaggacc 180

ccagaaaact caacagtaaa tcttttgaca acatagagaa cgaaccacct tttgagtttg 240

tgtcctgaga aagctctcac aggccggctg tgtctttgtg catnnnnatt gtacgtgtaa 300

atacctataa tgtaaatgta atttaaagac cacatttttc taatggcaat caactgtttg 360

ttatttatct atttattatg ctgttgagtt aatggaaata gattgtcttt ttaaaaatat 420

ataatttata taatttatcg tgatattcta taatatgatt tccccagaac ctttggcaga 480

actctgaact ggaagatctc tgtccgtgct tatttaatgt cggaattggt ttacttctga 540

gtgttgcta 549

<210> 9997
<211> 491
<212> DNA
<213> Rattus norvegicus

<400> 9997
aaagcgtgtg caaggccagt agccagaagg actgttttct gtcagcaatg tcaagctgca 60

gaagggaggg tgatctatac ggtgtaatct ctcctctgta tctaacccca caacattttt 120

ttttacctca acttaatttc gtgtgttcac ctgtatttcc tcctttccag aaacacctcc 180

aggtaagaag ggatatgtac ataccagggc aagggtggta acatgtgtag tcagtcccca 240

aggaacactg gcatgctggg actcagttaa taagtagctt tgaatgccaa aactatgtat 300

gcttttaagt actgttgatg tagctcttgg taatttggct cagtgtgtgt gtgtgtgtgt 360

atgtgtgtgt gtgtgatctg aacatatggc tacattatgt gtgtgttaat aacttgtaag 420

tggatattgg aattcaacaa atgtcatcat tcttccataa aagttggagt atcgtgtgag 480

cttcatttct t 491

<210> 9998
<211> 368
<212> DNA
<213> Rattus norvegicus

<400> 9998
tttctggcct cgctgtggca ggaaacagat gagccgggtg gcaatatgtc ggcggacttg 60

gctcgtaggt cccagctccg agatgacagc aagctggagg ctctctatat cctcatggtg 120

ctgggtttct tcggcttctt caccctgggc atcatgctga gttacatccg atccaagaag 180

ctggaacact cgcacgaccc tttcaacgtg tacatcgagt cggacgcctg gcaggagaaa 240

ggcaaggccc tcttccaggc ccgcgttctg gagagcttca gagcttgcta tgtcattgaa 300

aaccaggcgg ccgtagaaca acctgccaca caccttcctg aactgaagcc actgtcatga 360

accccata 368

<210> 9999
<211> 524
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<400> 9999
ggttattttt ccgagtcatc catgacatat caagttttgg aattgcctta caaggctgat 60

gagtttagtt tagtcatcct tcttcccaca gaagatgtga acatagaaga agtggaaaaa 120

caagttactg ctcgtcatgt tcagaaatgg ttctctgagc tgcatgaaga ggaagtggaa 180

gtcagcctcc ctcgatttaa aatagaacaa aaattagact tcaaagaagc attattttct 240

ttaaacgtaa ctgagatatt tagtggtggc tgtgaccttt ctggaataac agactcatct 300

naactctatg tctccagagc catgcagaaa gttttctttg agataaatga agacggaagt 360

gaagctgcag catccacagg cataaacatc cctgcaatca tgagtttgac tcaaactcaa 420

tttctagcaa atcatccatt tctgtttatt atgaagcaca tccaaacaga atcaattttg 480

tttatgggaa aggtgacaga tccggacatc catacagtga gaga 524

<210> 10000
<211> 494
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 10000
gtctgctaat tccattcagt ccaggtcctc ctcttacagt ggagagtatg gcggtaaagg 60

aggaaagcga ttctctcact ctggcaacca gctggacggc cccatcactg ccatccggat 120

ccgtgtcaac agatactaca taataggtct ccaggtgcgc tacggcacag tgtggagtga 180

ctatgtgggt ggcaacnagg gagacntgna ggagatcttt ctgcaccccg gggaatctgt 240

gatccaggtg tctggcaagt acaaatctta tgtgaagcag ctgatcttcg tgacagacaa 300

aggccgctac ctgccttttg gaaaagactc aggcacaagt ttcaacgctg ttcccttgca 360

ccccaacact gtcctccgtt tcattagtgg ccgatctggc tctgcnatag atgctatcag 420

cctgcactgg gatacctacc ctagccactg caacacttgt tgaaacccac catcctctgc 480

tgtggtgggt atga 494

<210> 10001
<211> 505
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<400> 10001
tgagttcatt tcatccatgg aaggatataa gtatccaata tatgctgtcc agtggcatcc 60

tgagaaagca ccatttgagt ggaagaaact gcgaggcatt tcccatgcac cgaatgctgt 120

gaagacttca ttttacttag caaaattttt tatttctgaa gctctnaaaa atgatcacca 180

ctttgagaac gaacttgaag agactgaatc cttgatttac cagttctgtc cagtttatac 240

tggaaatatt tcttcatttc agcaagctta tatgtttaac tgaaagactt caatatggta 300

acagagcaac tttgagtaat tccgtgattg aattgctaac actgctcagg gcagtgtgag 360

aaagccacac agatgccttt gctgtgtgcc tggttctgat tcatggctta ataatgatta 420

ttttttatcag atttgataac ccgacaatga aaaagataaa aaaaaatcat agtgttttta 480

gtgaaaatgc cttcttaggt ctgaa 505

<210> 10002
<211> 150
<212> DNA
<213> Rattus norvegicus

<400> 10002
gctcagttta gcaggtaacc ctccagctga ggtgaatgga aaaacgccta attgccctaa 60

gcaaattatg ggatgtccca ggatttatga ccctgtgtgt gggactaacg gaattactta 120

ccccagtgaa tgcagtctgt gctttgaaaa 150

<210> 10003
<211> 522
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (471)..(471)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (476)..(476)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (479)..(479)
<223> n is a, c, g, or t

<400> 10003
gggagattcc agttcaatgc ctttaaattc ttgagacatc tgagttctgt gtatctcaag 60

tgtaagattt tgatctgtga taccagtgac cacacatctc gctgcaatca aggctgcgtc 120

tcaagaagga aacgagatat tccttcatac aaatggaaga ctgattctgt tataggacca 180

attcgcctga agagggaccg acttgtaaat ggagattcag gacttctgcc tcaaacacac 240

gaagcagaga tttcgaagca gcctctcagc catctgcacc tgttttcctt catggttctt 300

gctctgaatg tggtgattgt ggtcacagcc acagtgaggc attttctaaa tcgatggaag 360

gatcacggat accagaagct gcaggtctac tagctgtgga ccccaagaaa ggcctcttgt 420

cctcttctgg gtggccgatg aaaaagttct ctgtgcctac gagggttagg nctntnccng 480

aaaggcctaa aagcagcgtg tgtaccgtca tgctcgtatc ac 522

<210> 10004
<211> 401
<212> DNA
<213> Rattus norvegicus

<400> 10004
aggacctcat atggaaccac acccgacaac ctggggacga ctacagcaat gatttgatgc 60

tgctccacct cagccagcct gcggacatca cagatggtgt gaaggtcatc gatctgccca 120

ttgaggagcc caaggtgggg agcacctgcc ttgcctcggg ctggggcagc atcacacctg 180

acggattgga attaagtgat gatctccagt gtgtgaacat cgatcttctg tctaatgaga 240

agtgcgtcga ggcacacaaa gaagaggtga cagatctcat gctgtgtgca ggagagatgg 300

atgggggcaa agacacttgc aagggtgact caggaggccc cctcatctgt aatggtgtgc 360

tccaaggcat cacgtcctgg ggctttaacc catgcggtga a 401

<210> 10005
<211> 391
<212> DNA
<213> Rattus norvegicus

<400> 10005
atgctgaatt ctgctcagcc caagaaaaag gacagacact tcagcaatca agtcttttgc 60

tgagagcctg atggaaccct gttgagttcc tggtaaggag ttcacattgg aagaccaagt 120

gacatctggc taaatttcta cagacagatg tgatggaatc atacgctttg gagatgcact 180

gtaggggtcg tttgacactt ggagctcttc ctagccagct gaaagatgct ctgataacat 240

tcagatttcg agactctgtc tgaagcactg gcaagaggcc tacaaccgag gaatggatct 300

taggagtcca acctttagc caatttggaa ggatttgaat ttttgttgga acaatgaagc 360

cgagttctaa acccttcac cacatgttat a 391

<210> 10006
<211> 348
<212> DNA
<213> Rattus norvegicus

<220>

<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<400> 10006
ggacatgaag gtgtttgtaa ccctatagga ggaataaaat atcaaccaac cagatgccac 60

caganctcac agggattaaa tcaccaccaa atgagggcac atagagggac ccattgctcc 120

agccaaatat gttgcagcag atgccattgt acagcatcaa taggaggaaa agtccttggg 180

agcatcctag tagaagcagg gagaggaaga ggggatatgg aacagaagga aaataggata 240

acatttgaaa aaccattatg taattgtatg aaatatccga caaaaattta aaaaaatctg 300

tgcatataat tatgtattaa tatgaatata tcatctgtct tacttaat 348

<210> 10007
<211> 376
<212> DNA
<213> Rattus norvegicus

<400> 10007
gtcctgtgat tcagatagtt gctcaatttt ctggacatta ccaattaaat tttatctaga 60

atttctgaat aatcatgatt tttaaacata aaacatcatt cttcttcaag aaagagacac 120

agtcttaatg ctcagtaaat tgtgttgatg ttttccttag gaatggtttt tagagagcaa 180

cactttgtct cagcaacagt gagggttgtt tagggatttc catggattcc cttggccaac 240

agctcaattg aaagcaactg aatgttgcca ctcgtggctt cacctggcat caagagacag 300

tcaaattcat gtgaaagatt ttcctttctt ttattgtttc ttaactctat cgatctccat 360

tacattctta tacctt 376

<210> 10008
<211> 445
<212> DNA
<213> Rattus norvegicus

<400> 10008
gtgatgcagt taatcctgtt ccttttctaa agcggactcc tggcgaaaca atgtactata 60

tatcattgcc tggaagcgtc agatgcagga agctcctatc taaactggac aactgtccct 120

tcgaagaaca aacagaacag ctgaaggtat gaacactaag tgactcctct tgttgaaaga 180

accctgtgaa aatgaggact gatgtataat atctgagaag ggtttgtgct agtgtgttat 240

gcttttggca agttaataaa aatgaagtgc acaggaaaag atcatgtgca aacatttgaa 300

gagagaaagt ggagattatc aataaataaa atagatacac ttgttgagtg agtccattcc 360

tcaaaagtag cactgtgcac agaagaggag gaagagttca aaacaatatt ctccattccc 420

tacgaacttt actaccaagg gtatg 445

<210> 10009
<211> 233
<212> DNA
<213> Rattus norvegicus

<400> 10009
tacccaaaag ggattgattg tcttaaatta attaaggaag tcctgtccac tctgggtggt 60

cccattctcc aggcttgggt cctggactgt ataaaactga aaaaactacg tgagcccaca 120

tttgctctca tagctctgct cttgactgtg caatgcaatg tgacaagcta cctcaagctc 180

ctgtggttgt gacttccgca cagtaatgga ttataacctc ataccgtgag ctg 233

<210> 10010
<211> 420
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<400> 10010
ggctttaacc tggacatcat aaagaaccac acccgaaaac ctgggaatga ctacagcaat 60

gacctgatgc tgctacacct taaaacgcct gctgacatca cagatggtgt gaaggtcatt 120

gatctgccca ctgaggagcc caaggtgggg agcacntgcc ttacctcggg ctggggcagc 180

atcacacccc tnaaatggga atttcctgat gatctccagt gtgtgaatat ccacctactg 240

tctaatgaga agtgcatcaa agcctacaat gatgaggtga cagatgtcat gctatgtgca 300

ggagagatgg atgggggcaa agatatatgc aagggtgact caggaggccc cctcatttgt 360

gatggtgtgc tccaaggcat cacgtcatgg ggttctatgc catgtggtga acccaataag 420

<210> 10011
<211> 347
<212> DNA
<213> Rattus norvegicus

<400> 10011
aaggtcaaga ccagcactac tccgtgagca ccagtgggga tgggcagggg aaaggggctt 60

ggcctggaga attgggagcc cgccagggcc aggactggca gaggactcgg ctgagggacc 120

ccaagagatg acacctttag caggctactg agttctggac tattcctcgg ggctgtcctg 180

catgtgccag aagtgggggt ccggaaatca cagtcccctt catcgtggtt cagaagaacc 240

tgtatcagtc ataatcattc atccataacc agtactagtt gtcatgataa ttagcctcat 300

attttctatc tagagctctg ttgagcgctt agaaatcgct ttcatga 347

<210> 10012
<211> 461
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(372)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (387)..(390)
<223> n is a, c, g, or t

<400> 10012
agctgtgcag cctgatagcc agacaccngt ncagggacca ggctgtaccg agtagctggc 60

catggagtct ggctcatgga ggccccccac aaccctaaca tccagaggct gaaagaattg 120

gcagctgcct actcaaggaa gcttgggtct gaagcctgcc cagactgggc tgggagtgtt 180

ctcagagcct aaacacagga actgagtctt cagctatcaa taggccatgg ctagagctgg 240

ggcgcactct tcgtccgctg ccttcctgtt tatgattaac tctggatacc tgggcaggtg 300

gggcagagtg agcagggaag cggcttcagc ccctgagacg cagaataata actaatcagc 360

tagtttgtga nnaaaaaaaa aaaaaannnn ggtattcttc agatcaccga gctctcacct 420

gcctggagaa ccaagcgatt atccctagtc cacagcagag a 461

<210> 10013
<211> 325
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<400> 10013
gtcacagacg ggaacagttc tcttcatgaa tgaaggtcag agataagtgg gtgctgccat 60

ggtggacaaa acgatgtcat ctgggatggc tgaacttcta cgccaccagc acatcagcac 120

tgcagatgcc ttcgccatct cttggatgcc ctggtgaagc caacaactgt gagtactatt 180

cattgcccag gaaaacagga gggaagagat tcagtgacat ggggcagtaa caaagcagat 240

aaagtggctc gggaaatggc tatgcaggag cctatnctgg ttacagncct gcaagagaca 300

gccactggga actgggattg gacta 325

<210> 10014
<211> 456
<212> DNA
<213> Rattus norvegicus

<400> 10014
aaatcttcct tatagtagca ccttagattc agctcccagc tactctggca ttacccacaa 60

aggtcaagac acggagtcct aagacatcat actaggctct aagactgttg cataagaaga 120

aggatgagga gaagatgggg aggaattgga aaaaccagtt ggacgcggaa gtagacagta 180

aaacttctcc acttcccaga tctacatttc agcaagtatt ctgtctcaga ggaaaatatt 240

cagattttag agacagcgat tctagttcct gtgcttagtt tggggaggga tacagcaata 300

ttgtgatgat agtgctgata ttgattatgg tggtgatgtg atcgaaaact gtttttctct 360

aatgctaact gatagtttaa gtctctgcat agtctgttgg tgttttacaa gtggtttgat 420

atacatgtca gattagctac acactcccat attgaa 456

<210> 10015
<211> 523
<212> DNA

<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<400> 10015
aatatccaca tttcataggc acatgtattc cttccgtata aatgaagatt ctgactttct 60

acataagaag atcaaaatat agtagataat attctatctn caaggaagat atgcactgta 120

gttaacanga aaagttacag ttacatataa ctgactcatg tggttgtcta acattcacaa 180

catcccagcc agccctttgt tactatcctt ctatctatag ctcaaggaat cacagtgaat 240

acctcacagg gttgactttg tatcagatct gttgttttaa acatttagag gaaaagaata 300

atctctcttc tggataggag aatgtaaaac tagtgttctc tgggagaaaa tctcaggttg 360

tatgcacaga actaatgagc tagatagtac atcctatata gtacatatca cagatgtgtt 420

atatataaat atgcatgctg attctatttt taaattttaa gaattataca tgatctgagg 480

atgctgaagg gaaaatgtat attctgtgcc catatggatg tct 523

<210> 10016
<211> 517
<212> DNA
<213> Rattus norvegicus

<400> 10016
gtgcacttac cctgtgatga gtcacattcc gggtggcata gagaaatcta gcatggaaga 60

cgaaggggcc agagaatcac tgaactttgc tgtcagccag tacaatgaaa acaaacgtga 120

cttgtacctg agccgtgttt ttggaagtga agaatgtcca aaagcaggtg gtggctggaa 180

ccaaattttt atttgatgtg atcctagtca aaacaacctg tttgaagacc caggctgact 240

tgaccaactg tcctgcaaag gaccaggctg gtcagcagga gcatgaattc tgctctttcg 300

aggtatatga cacccctgg gagaatgata tggccttgat aagctccagc tgtcacaata 360

tataacttaa tgtcaagtgg cacagtgcag ggtgcagatg tctctgccat tgcctcatca 420

ctccagtgga tgacctatcc tagatgaatg cttaccagta ccaacatcag cagttgatta 480

gactgctgag aatatagagc ccaagtatct ttcccctt 517

<210> 10017
<211> 404
<212> DNA
<213> Rattus norvegicus

<400> 10017
tcccatgtca ggagctgtgt actggggatg catcctgtcc ccaggggcac aaatgctgca 60

gcacggggtg tggccatgcc tgccgaggag acattgaggg agggcgggat ggtcaatgtc 120

ccagaattct ggtaggcctg tgtattgtcc agtgcatgat ggatgagaac tgtcaacctg 180

gggaaaggtg ctgtaaatca ggctgtggcc gcttctgcat ccggggactc cggcccctcc 240

aacagctcac agactccaac cggacagatg gctttaactc tacattagag gctcaagtac 300

cctagctgac ctgatttgcc tggagctcca ggaagctgct ggaaggctgg aaggggtgac 360

atcctggggt ttgtgacact ccctggagta tcaggccttc tcct 404

<210> 10018
<211> 444
<212> DNA
<213> Rattus norvegicus

<400> 10018
atatcttcaa atttctttac aacaagttca gtcatgacac atatctcagc aacataaaaa 60

atcagtcatt caccatgaac acatggggat ttggtgaaat tgaagtggtt aaaaccaaat 120

gtagaaagat tgactctgac ttctacaaat gttctttcca gtgggaattc tgtaacataa 180

agcggactcc tggagtaaca atatactata taacattgcc tggaagtgtc agatgcagga 240

agctcctatc taaactggtc aactgtccct tcgaagaaca aacagaacag ctgaagagag 300

aaatatgcta ctttcaactg tatcctgatt atattgagca aaatatacgt tctgtaagat 360

tcaattgtta taccaaatga gactctggga ctgactgggc tgttacccac cacttgcaga 420

cgttgattct agttctggac ctct 444

<210> 10019
<211> 408
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(132)
<223> n is a, c, g, or t

<400> 10019
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aacaaacaaa caaacaanca ancaancann nnannnannn nnnnnnnnnn atnnatagat 120

ggatggatnn nntagataga tagataaaaa tgaataatgt tgagcctttt gacttaattg 180

atggcaaacg aagaggatgt gttgaagacc acctttatta atctaccttt aaacacacag 240

actggaatca ggaataagtt cactgccttt aagaaggaaa agctgcagtt tgctctcagg 300

gaaagctttt cttgttttgt tttctccagt aaaaaagcct taggaaggtg tcttcactga 360

tcagccattt gtatactagt gtcagtggta tcctaacatc tccatatg 408

<210> 10020
<211> 406
<212> DNA
<213> Rattus norvegicus

<400> 10020
ttggtgacag catccaatgc agcgtgctct attcaaagac tcaagagact tccaaacgaa 60

aagtctgatg aatgtacaga tgtagacggt ggcaagcacg tccttaacac ttactggcag 120

aagaactgtg agtggtgttt ctgtgaaaaa actgcgatca cctgctgcac caaaactctt 180

atacccgtga gctatgacaa aaagaggtgt cagagacaat tccactcaga gaactgcacc 240

tatagtgtgg tggaacggac gaacccagga aagacctgtc cagtcaatgg ctggacaata 300

taaatgtgct tcttgggggc ccaaaagtgg accaatattt gaacattgta tgaattaaag 360

ttaccaatca taacctcgca aggaggtgac ctacaatccc aagact 406

<210> 10021
<211> 519
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(435)
<223> n is a, c, g, or t

<400> 10021
gcaccctgag cggactgaga caatcttgca gagatctgcc tggctgcccc taggggaggc 60

agaggaaccc aagatcaagc caggctcacg tcagaaaccg agaattacag gctgatactc 120

tctccgggca ggggtctgag ccactgcctt gcccgctcat aaactggttt tctcacgggg 180

catacgnctc attacttact tgaactttcc aaaacctagc gaggaaaagt gcaatgcttg 240

ttatacagcc aaaggtaact atcatattta agtttgttga tgtcaagagg ttttttttt 300

tgtaacttca aatatataga aatatttttg tacgttatat attgtattaa gggcatttta 360

aagcgattat attgtcacct tcccctattt taagaagtga atgtctcagc aaggtgtaag 420

gttgtttggt tccnngtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg 480

taaggtggag agcgcctgat taccgcctgt ggatgaaga 519

<210> 10022
<211> 542
<212> DNA
<213> Rattus norvegicus

<400> 10022
gaaggctcac cattgaggac ctacttccgt cgcattgagt gtgggaagag atgcaaccga 60

atcaatctct acttttatat taagaaaggg gccaagtgcc aacagtttaa aatcgtggga 120

aggagatccc aagacgttta ctatgcaaag tatgaaggga gcacggcatt catgttaaag 180

acagtgaatg agaagatatt gctgtttgat tattttaaca gaaacagaag aaatgacgtt 240

acacgagtgg ctggagtttt ggcgaaaggc aggcaactga ctaaggatga gatgacagaa 300

tacatgaact tcgtggaaga aatgggcatt gaggatgaga atgtacaacg tgtcatggac 360

acagacacct gtccaaacaa gatcagaatt agatgacatc aggaattttc cactatattc 420

ttcctggaac ctgaaacatc aatatgaaga tgaagcaatc ttttctttca gatcatatct 480

tcctatttgc tgcaaattac aattcttgtc tccatacttt ctctttcatt catactttcc 540

ca 542

<210> 10023
<211> 325
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<400> 10023
aacgaagtac ctcgcaccac ctggtcctgg actcctcagg actccgcggc ggtggcgcgg 60

gcggtgcgcn aanggactnt cactctggac tctttcgtgt gcgctccagc aggggccagg 120

gacgcagggt tcttcacagg ttttttacaa agagaagttc ggggcagggt gggagacacg 180

gatagngaga tgtaatgcga ggctaaggtt actgccgcgg ggatgtcggg cgttttagtg 240

agggccagct ccaaggaggg ctcagggaag agagaagcat cactgagatt ttgcatctga 300

tctcgcattg cgtctgaaaa gaaat 325

<210> 10024
<211> 298
<212> DNA
<213> Rattus norvegicus

<400> 10024
tgtgagcacg gcaacctcca acatgtgttt tccaggctac tggggaagcc agagagttta 60

ggatggctgt ttgtacatct gtccctcctc ccctgctgtg ccccagaagc tctaggcctg 120

aggagcagga aggcaggtgg ggtgctcatc ccgctgggga agctagcaca aggcctgacc 180

aggtcctgga ctcctcaagg cagcatttca cccctacatg acaatagctg cattactgcc 240

aaccgatggt acgaccctgt gcacctttga agagattctg gttttaaatt gctgcttt 298

<210> 10025
<211> 322
<212> DNA
<213> Rattus norvegicus

<400> 10025
aaatatttgt gttcacctcc tctgacacac aatctgtgta gctccacagt ttgaagtgtt 60

ttaatccttt ctcctgaaga ctttccaact gaccttgaca gtataagatg gcccaaaatt 120

tgacctcaac tgagcaggag ataatggagc tcttaatgat attacaagag ttctccgtga 180

aaaagataga caaactggat gtccaggaag taaaaaggct ctttagagag gaacttccaa 240

attttctaaa ggcaatggat gaagctacta aaaacaaaat actgaatgac aaggggaagg 300

agatgccctt tgatgagatt tg 322

<210> 10026
<211> 508
<212> DNA
<213> Rattus norvegicus

<400> 10026
acaagtacag tgatgaccca tatctcagca acataaaaaa tcagtcattc accatgatca 60

catggggatt tggtgaaatt gaagtggtta aaaccaaatg tagaaggatt gagattgact 120

tctacaaatg taatttcgag agggaatcct attacgtaag acggactcct ggagtaacaa 180

tatactatat aacattgcct ggaagtgtca gatgcaggaa gctcctatct aaactggtca 240

actgtccctt cgaagaacaa acagaacagc tgaagagaga aatatgctac tttgaactgt 300

atcctgatta tattgagcaa aatatacatc atgtaagatt caattgttat accaaatgag 360

actctaagac tgactgggct gttacccacc acttgcagac attaatccta gttctggaaa 420

tctaatatgg aatcacactt cagtatggat gccaggagtc acagagacat gtagtccagt 480

tatgtacacg tgaataattg tcttgctt 508

<210> 10027
<211> 186
<212> DNA
<213> Rattus norvegicus

<400> 10027
atatcttcaa atttctttac aacaagttca gtcatgacac atatctcagc aacataaaaa 60

atcagtcatt caccatgaac acatggggat ttggtgaaat tgaagtggtt aaaaccaaat 120

gtagaaagat tgactctgac ttctacaaat gttctttcca gtgggaattc tgtaacataa 180

agcgga 186

<210> 10028
<211> 299
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<400> 10028
gactacatcc cagtcttcat gaggaaccac acccgacaac gtgcgtatga ccacaacaat 60

gacctgatgn tgctccacct cagcaagcct gctgacatca caggtggtgt gaaggtcatc 120

gatctgccca ctgaggagcc caaagtgggg agcatctgcc ttgcctcagg ctggggcatg 180

accaacccct ctgagatgaa attaagtcat gatctccagt gtgtgaacat ccaccttctg 240

tctaatgaga agtgcatcga aacctacaaa aacattgaga cagatgtcac gctgtgtgc 299

<210> 10029
<211> 544
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<400> 10029

ggcagacgaa atccctagaa tcccaggcca aatccttcgg acaagtaaag tcccaaagtg 60

gccaaatgaa atcctcctat ggtcagagaa aatcctatgg tgaagagact caactgaagt 120

ctttcgacca agatgcccaa ctaaaatcct atggtcaaca aaaatcccaa aaacaatcct 180

cctttagcca agtaaaatct caaagtgccc aactaaagtc ctttggccaa caaaaatccc 240

tcaaagggtt ttctcaacaa actcaacaga aaggatttgc catggatgaa gatttgtcac 300

aagtgcggaa acaatttgac gatgatgacc tctctgtaca acagaagtct acccaacaga 360

tgaaaacaga ggaagactta tcccaatttg gacaacaacg acaatttgga caagaacgct 420

cccaatccta taaaggatat cttgcacaat ncagaaagaa attacaggaa caacaacaac 480

agaaaaattt taatcaggat aacttttta caaagggagg ggcaggccta tatcaggctc 540

aact 544

<210> 10030
<211> 476
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<400> 10030
gttactacca tcagctgagg cggcacgtgt ctgtggacgt gtttggccgg gcgggacccg 60

gacaaccagt gccagccgtc gggttgctgc acacggtggc ccgctacaag ttttacctgg 120

cgtttgagaa ctcacagcac gtggattaca ncactgagaa gctgtggcgg aatgccttcc 180

tggctggggc cgtgccagtg ntacttggtc ccgatcgtgc caactatgag ngcttcgtgc 240

ctcgtggttc cttcatccat gtggatgatt tccctagtgc tgcctccctg gctgcctacc 300

tgctctttct cgaccgaaac gtggctgtct atcgccgcta cttccactgg cgtcggagct 360

atgcggtgca catcacttct ttctgggatg agccatggtg ccagacatgc agggccgtcc 420

agacctctgg ggaccagccc aagagtatcc acaacttggc agactggttc cagcga 476

<210> 10031
<211> 545
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<400> 10031
ctggctatag cacgcagctt ttctgcagcg tccgagcgtc acctaagccn aagatcatnt 60

ggatgaaaaa caagatgagt atccaggggg accccaagta tcgtgctgtc tccgagcaag 120

gggtctgcac cctggagatc cggaagccca gccctttga ttctggggtc tacacttgca 180

aggccatcaa cgtgctagga gangcctgcc gtggattgtc ggttggaggt taaagcctct 240

gccacacact gaagaccaac acaggcagag actgggacaa ggagacagct tggtcacata 300

ccaggatcgc ngacggacat tctctgccag gtcctgcaga cctgaggatc aggcgcccag 360

gcatcnccaa gaccaagata ccacaagaac agctaatggg ggtgaacctc cagaacctgc 420

tggctctctc caccagaggt tgggtccaga cccaggagtg ggcctggcgg gccccaggtc 480

atacctcctg ggtatgagag ggccccaagg gtgcagagac tggcacccct ctgcagaatt 540

gtaca 545

<210> 10032

<211> 457
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<400> 10032
tgacgcttag acacaacgca ctgttccttc tttaatcact ctgcattgac catgcaagga 60

aacaagacag cttttaaaca cagatcaagt ctaagtattt tgccccacgt tgatgttttc 120

ttaaaatcag ccaaggacag ctgttattct gtgtactagt cataactaca cattttatat 180

actcatgtat ctagcttctt ttgtagtgtt ttcataactt aatggctgaa atattacatt 240

gagtaaatgt aggattgcgg tatttttcta tttatatcct taactttatg tgtacagaca 300

ggcatatact ccaaggacta agaaaatgtt taagcaggta acgtttcttt ttttttggna 360

aaaaaaaatg tttcaagtat tgtaacagga aaaatacttg gtataatagc ttggctatgt 420

cagcaataaa atgactagtg actgagtacc tatttat 457

<210> 10033
<211> 266
<212> DNA
<213> Rattus norvegicus

<400> 10033
agctcccaga gtcagttcgt tgtgttcagg acaaaccaag ctactttgct tataaattat 60

acagggcaat ccataatttt gcttcagggc actataagaa agcattgctt gccatctgcg 120

ccggtgatgt ggaagactat taaaaagagg gagggtttga agataatgga atcttcttta 180

tagacaccag atatagacgg ctgaacgtgt gctgtcattg acactgaaac aaaaccataa 240

aatcatatct tcttatatct ctacaa 266

<210> 10034
<211> 420
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<400> 10034

gtgctcaagc cgtttgcttt ctaaacgttt cattactact ttgaatgcgg acagttacgg 60

gccagacaag gaaggacaca ggcccggaag ccaatcncag gtctcagcga gctcctgccc 120

ccagtctggg agagttgtgt tcagcgtggc cgaagcttct ggtctttctc ggacctccgc 180

agtgccccgg cgctccacgc gcattcacgt cccgctcctt gcccacactt ttccccggcc 240

tccagccggc cttctgggcc cggacaccgg caggcacaca ctcgtttctg cgccttgggg 300

acccggccgc caggtgcagg tccctaccac cctgccctgc agaatcgtct ctagcagatc 360

agctgacacc tggtacccga tgtcgctgag gcttctaacc cctctcttgc aaagacggtg 420

<210> 10035
<211> 579
<212> DNA
<213> Rattus norvegicus

<400> 10035
tgtgccagat tgctgatgtc ctcatccgca agacacgccg cctctccgct ttccagcagg 60

gattcttcag gaacaggatc ctggtgatcg ccatcgtgtt tcaggtctgc attggctgct 120

tcctgtgcta ctgcccaggg atgcccaaca tcttcaactt catgcccatc cggttccagt 180

ggtggctggt ccccatgccc tttggccttc tcatctttgt ctatgatgag atccggaaac 240

ttggagttcg ctgttgccca gggagctggt gggaccagga actctactat tagaggggta 300

atcacctctc catccactat cagctgggac aaaacatcgt gtaatctgtc cccagcccta 360

tggaactgtg cccacttctg cagcccatga caccattgga gggactctac cctttacccc 420

tttcactcca tagtcccaca cccaggaaag tactgggatg ggaggggcta aacagcggtt 480

ggcagctcct gtggaggtgt gtccatctca aggactccat ctggacaaga gggttgtgtg 540

gggctctgtt acaaattcct catgttctgc tggacagta 579

<210> 10036
<211> 568
<212> DNA
<213> Rattus norvegicus

<400> 10036
taacgtgtgg ccctgatcat gaagtgccac caactttaac tgactatcct accccggtcc 60

ccacttcaat atctaatatc acagtcatat acaccataaa caaccagctg agggggggttg 120

atctgctttt caatgtgacc atcgaggtta gtgtgaaaag tggatctgtg ctccttgctg 180

tcctggaaga agcgcagcgc agaaaccaca tgttcaaatt tgaaaccaca atgacatcct 240

ggggccttat tgtctcttct atcaacaata tcgctgagaa tgttaagcac aagacctatt 300

gggagttcct tagtggcaaa acgcctttgg gtgaaggggt tgcatactat attcccttca 360

actacgagca catcacagcc aacttcaccc aatactgaga aggagtatct tctgttgtat 420

gtgaccaaag gatggtttgg tttcttttca tatcgtttca aatctgtacc aagaaaagca 480

gatattaaca gtgctactcc attcctgagc cacggtgtgg aataaatgat gcaggttcct 540

gaggtgctca ccactgtgac tcatgaaa 568

<210> 10037
<211> 457
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (365)..(365)
<223> n is a, c, g, or t

<400> 10037
tggtggcggc aaagttcctc aacgtcccca aaaacacgca agtcctcatc gtgtgcaaga 60

tcatggcgga ccacgtgacc ttcgacaacc cccacgaccc ctatgaaggg aaggtggagt 120

tcaagctcac aatacagaag taaggagtng gcgtggctgt ccaccccaga gcctggtgga 180

ccctgaggga ccactcttcc tgactgacat catcggctgg ccagcatgca cggccacttc 240

atggttcaga gctgacacca ctgcccatct gccgacagca ggaagtgctc cttcccagca 300

ctccctgagc accaccagct ttgaactgaa acccgacgtg cgcacgcacg tttgcaatcc 360

cgtgnggtta acacaggaac ccagagtccg gctaccacta agggacaacc catctgtagg 420

gcatttctat cctgtgacca tttgtctgtc ctgcact 457

<210> 10038
<211> 458
<212> DNA
<213> Rattus norvegicus

<400> 10038
atggtgtctt cagcgactat ctgcagtttg ctactcctca gcatgctctg gatggacatg 60

gccatggcag gttccagctt cttgagccca gagcaccaga aagcccagca gagaaaggaa 120

tccaagaagc caccagctaa actgcagcca cgagctctgg aaggctggct ccacccagag 180

gacagaggac aagcagaaga ggcagaggag gagctggaaa tcaggttcaa tgctcccttc 240

gatgttggca tcaagctgtc aggagctcag taccagcagc atggccgggc cctgggaaag 300

tttcttcagg atatcctctg ggaagaggtc aaagaggcgc cagctaacaa gtaaccactg 360

acaggactgg tccctgtact ttcctcctaa gcaagaactc acatccagct tctgcctcct 420

ctgcaactcc cagcactctc ctgctgactt acaaataa 458

<210> 10039
<211> 464
<212> DNA
<213> Rattus norvegicus

<400> 10039
gtgactctgc actgtgatga cggctccagt cggaccttca gctacaccca ggttgagaag 60

tgtggctgcc tgggccagcg gtgccatgct ccaggtgaca caagccactc agagtcctca 120

gaacaagagt tcaagtccaa ggaaagtgag gaacctggcc agcagtcagc atccagggtc 180

agcgaggaca cccttgggcc tttccagtaa accaagcagc actgccgtcc caaccaagaa 240

gtcctcctga ggccagcagg acgtgtactt tagtccaagt ggcttgaatt ctacctacct 300

gctgcttcct cttcaagagg gaccccggat gttcttggag gtgggagagg cccctctcca 360

ctgattagga gcgtgatggc cacgggctcc ttttgaaaga acttcattat caccaaaggg 420

tcccaggagt gacagtcact tggatgcagg tatcagcctc gctc 464

<210> 10040
<211> 512
<212> DNA
<213> Rattus norvegicus

<400> 10040
aagagcctag catacagcct gtgtgtgtcc agagggcaag cacttgagga ggcagggaca 60

atatgctgtc tgcagggtaa ggagagaggc ctcaggagaa tttagcctgg gacacttcca 120

cctgggactt ctggccatca gcatgtgagg taagcctccc atttcaggac ttccaccttg 180

aacttctggc ctccagcatg tagtgtaagc ctcccatctg aggtgctctg aattgattaa 240

cacataaacc aatggacgga gtcatcagta tgacaagatc accgagtgct cccagcccag 300

gaatctccac gactgtgatg tggctcagca tagcgctggc catcaggtgg attgggtctg 360

ggagtcagag gcagggcaga aagttctgga aacagagagc agcctgaaca tgttcatgta 420

gctacagacc actaaaaatt gtggccagag caaattttga tacatagtat atgtgacctc 480

aaaggctggc tgccttagac tctgtcaatg ca 512

<210> 10041
<211> 574
<212> DNA
<213> Rattus norvegicus

<400> 10041
actctgtacg tcatgttgct tctcatcgca gagtatccgg aggtggaaac agctatactg 60

aaggaaatcc acactgttgt tggtgacaga gacataagga ttggtgatgt gcaaaatttg 120

aaagtggtgg aaaacttcat taacgagagc ctgcggtatc agcctgtcgt ggacttggtc 180

atgcgcagag ccctggagga tgacgtgatt gacggctacc cggttaaaaa gggaactaac 240

atcattctga acatcggaag aatgcacagg ctcgagtatt tccccaagcc caatgaattt 300

acccttgaaa actttgagaa gaacgttccc tacaggtatt ttcagccatt tggctttggg 360

ccccgcagct gtgctgggaa gtacatcgcc atggtgatga tgaaagttgt cctggttaca 420

cttttgaaac gattccatgt gaagacattg caaaaaaggt gtattgaaaa tatgccgaaa 480

aataatgact tgtccttgca tctagatgag gacagcccca ttgtggaaat aatttttcgg 540

catattttca atacaccttt tttgcaatgc ctgt 574

<210> 10042
<211> 575
<212> DNA
<213> Rattus norvegicus

<400> 10042
gggagatcac ctgggttcct gtcactcagg agctctactg gcagattacc attgacgact 60

tcctcattgg cgaccaggcc tctggatggt gctcctccca gggctgccaa ggcattgtag 120

acacaggtac ctctctgctc gtcatgcctg cccagtacct cagtgaactt ctgcagacca 180

taggagccca ggaaggagag tacggagagt attttgtgag ctgcgacagt gtcagtagcc 240

tgcctaccct cagtttcgtc ctcaatggtg tccagttccc cctgtcaccc tcttcctaca 300

tcatccagga ggacaacttc tgcatggtgg gtcttgagag catctctctg acctctgaga 360

gtggccagcc cctctggatc cttggggatg tcttcctcag gtcttactat gccatcttcg 420

acatgggcaa caacaaggtg ggccttgcca cttctgtcta gacttgccct ctagacacgc 480

ctgtgccctt cttcccctca gcctgcctgc cccctctgtt cctcctctct gcatccagct 540

tgtcttttcc ggaccctaga cttgccctaa taata 575

<210> 10043
<211> 314
<212> DNA
<213> Rattus norvegicus

<400> 10043
agaagagggc cgtctgtaat ttccagatca atgttgaacc ttggctgaac aagatatccc 60

tgacaaactt caaatgttac aatgtctgag gatctatgtc aggctacact tctgttgaat 120

acccccttact cttactcaat catctcctta agttttcctt tacttagaca gagagcatag 180

ccctgaagaa tgaatcgtca aagttctagt accaagagaa aagtagaaat aggctctgca 240

cacctaagtg gtgattccct ttttcctttc ttctacttga ttttcacatg taccactgtg 300

gagtctattg ctca 314

<210> 10044
<211> 544
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (491)..(491)
<223> n is a, c, g, or t

<400> 10044
tgaaactgcc cctggttttt gaaatttctt tttctctgcc tgtcattggc cctacgctcg 60

acgttgctgt ttccttggac ctcctaaact cagtcagtgt tcaaaccaat gcccagactg 120

gcctccctgg ggtgacccta ggaaaatgct ccggtaatac agacaaaatc tccatttcct 180

tgttgggcag acgacttccc ttcgtcaacc gtattctgga tggtgtatct ggcctcctca 240

caggtgcagt gtcaatcctg ctgcaaaaca tcntatgccc agtgctccag tacctcctca 300

gcacaatgag tggaagtgct attcagggtc tcctctctaa tgtactaaca ggacagctag 360

cagtccctct ctgaagagga agaacagaag gaggaagcca tgacaacccc tgctggttag 420

tctccactgg ctttatttta cttccggtgg catttctttc tgggaagttc tactatcatc 480

cacacaaagt ntacctgata ccaacggaag gactttccca gattcccttc tttcctgagt 540

agtc 544

<210> 10045
<211> 409
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<400> 10045
aacttcttga atatgtggcc cgtaaggctc ctgaaatggc atcccaggtg gctgcctgca 60

tgacaggcat gatcaacggg gacacaacca ttcgccagtt tatccaggac ctgggaggat 120

ngggaaacct ggagggctga agaagagggt tctccccgga ctgagcatac ttcttctggc 180

agatcgggtg gctgttttct gacaattaaa acatgctgtt ttcaagtccg ccagtgtcct 240

ttctattgat cattgacttt ggaagcagct tccaggagcc tacagtgaca ttatactttc 300

tcgcctcatg tgagttttag taagagtttg tcgaaacaaa gacctcctga gaaagtaatt 360

tcttagtagt aaaatttcaa gcaccaggtc cgatctttgc tggagatat 409

<210> 10046
<211> 416
<212> DNA
<213> Rattus norvegicus

<400> 10046
ttcataaatc tatacccgtg tgtgtataca tatatatata tatatatata tatatatata 60

tatatatata taaatttagt gcatctctct gtatgtacag agtatatgta tagtatggat 120

atggaaatta tagagaatac acatacctat atgtgtatat attgcatatg acctaaaaat 180

cacttatcac tgtggtttga agctgtaatc tcatctacag gttcatgtct ctggacgctc 240

agttccaagg agagtcatgc tcttttgaga gattactgaa tctttcagat aagaggccta 300

acttgtgaaa ctaagtcact ttgtttgctt tgaaggttac actgccttgc agttgaatgt 360

tcacattacc tttctggtta aaagcaatat ctaaagactc tgctatcagc ctaaat 416

<210> 10047
<211> 368
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (90)..(90)

<223> n is a, c, g, or t

<400> 10047
actgggctcc cctttaatgg ctgggggcct catagagact tcacatctcc agatgagtcc 60

cacattcccg ggcaagccac ttcacctctn tgagcctcag cctgccccac tccaaaggcc 120

atcataaggt attccctgcc cactcagggt ttttgtgaag acaatacatg tagaagtttg 180

gtgtcaatgc ctggtaaact tgagagatag gccaagtatt tcccatgatg atcagcattc 240

tccactctct gttgacttgt gtgggttgtt ccagcagacc tctgacccag cttctggtca 300

tgtgtgttca acgggagcct cagtagatgg agagagggag aaggaacatg tgttctgtag 360

gcagtcac 368

<210> 10048
<211> 472
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<400> 10048
tcttcactgt cctgctattt gccagccttg ctgccacctc tcttgctgcc gtgcctgggt 60

ccaaagatga actccacctg aggactcagc ccacagatgc cattccagct tcccagttca 120

ctccttccag ccacatcagc aaggagagca cttccagtaa ggacctttcc aaggagtctt 180

ncatcttcaa cgaagagctg gtgtccgaag ataatgtggg gacagaatct accaaaccac 240

agagtcaaga ggcccaggac gggctcagga gtgggtcatc tcagcaggaa gagaccacct 300

cagctgcaac ctcagaggga aaactgacca tgctgagcca ggcagtgcag aaagaactgg 360

gtaaagtaat tgaaggattt ataagtggtg tggaagacat aatctctggt gccagtggta 420

ccgtgaggcc ctgaagacaa aaacgcctaa ccgctaagtc ccacgctagg tg 472

<210> 10049
<211> 252
<212> DNA
<213> Rattus norvegicus

<400> 10049
attacacagc ccgttctgca gggaagtggc ctctgaagtg gtacgcacca gaatgcatca 60

acttccggaa gttctccagc cgcagtgatg tctggagcta tggggtcacc atgtgggagg 120

ccttctccta tggccagaag ccctacaaga agatgaaggg ccctgaggtc ctggatttca 180

tcaagcaggg taagaggatg gaatgccctc cagagtgtcc gcccgaaatg tacgcgctta 240

tgagtgactg ct 252

<210> 10050
<211> 497
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<400> 10050
atccagcttt tattacttct tccaaattcc acggctccca gaacttatgt tctcaatcaa 60

tgatttcaag gctttgaaac acctgtttac cagtcagagc actggcatcg gaagaaaagg 120

acgtcagctg acaacagaag atctagaagc ttatgtttat gttttctctc agcccggagc 180

actaagtggt ccaattaacc attatcgaaa cattttcagc tgcctgcctc tcaagcatca 240

catggtgaca acaccgacgc tgcttctgtg gggagaggaa gatgcgttta tggaggtgga 300

gatgnccgag gtcacaaaga tttatgttaa aaactacttc agactcacca ttctgtcaga 360

aggtagccac tggcttcagc aagaccagcc tgacatagtg aacgggctga tatgggcatt 420

cctgagggaa gagacaagga gagactgact ttatctccta cagggagtct ttcacggagt 480

ctctgaaacc tcttaaa 497

<210> 10051
<211> 302
<212> DNA
<213> Rattus norvegicus

<400> 10051
gtccaggctg atcccattca agaggcagag gaagagacta aaactgagga gcagccagca 60

gatgaggacc aggatgtgtc tgtctccttt gaaggcccag aagcctctgc tgttcaagat 120

ttacgcgtaa gaaggacctt gcagtgcagt tgcagaagag tctgcagaaa tacgtgtagc 180

tgcattcggc tatcaaggtc cacatatgca tcataaattc tgctgcagct gaacatggac 240

cccaaggatg agataaccac atgccctggg gcctcacagt cggtcattac ccttgtgctt 300

gg 302

<210> 10052
<211> 226
<212> DNA
<213> Rattus norvegicus

<400> 10052
cctagatatt gattttgcca cccgcaagat tgcagtgcgt ctgactcaga cgaagatcat 60

cgttcaagac ggtgataact tcaagacaaa aaccaacagc acgttccgca actatgacct 120

agatttcaca gtgggggtgg agtttgacga acacacaaag ggtctggatg gccggaacgt 180

caaggagctg acctgcggtg accaggtgtg tcgacaagtg ttcaaa 226

<210> 10053
<211> 391
<212> DNA
<213> Rattus norvegicus

<400> 10053
gaacactccg tatcagcaat gctaatttgg tttatggagg ccgtaaacat cagcctcctt 60

ttactcaaga ggaagctaag gagacactaa tatttgacct gaaaaatatg aatgttactc 120

ttgatgaacc aatacaaatc acctggtcat gaagatcaac atcagtttga gttcctgagg 180

aggaattgat atcaggtcca tggttctatt tccatttttc ctgactgcat acgttctttg 240

aaacacaatt atcatgctcc ttatccaaat atttctccat tgtttgcatc aaaagaaatg 300

ctagcttgtg ctacaaatgc atcctggatg ccactgctca gcagggtgaa aaggatttga 360

atggttatga taccttgcaa gtcacagcta a 391

<210> 10054
<211> 484
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<400> 10054
agtacatata gacgtctcca gccagatctc ctcagcaagg gacagaggcc actcacctgg 60

ggtcccagca ggagttcaca gcacaagcag gatgaagtct tccattgcca tcgtttttg 120

cctcttgatc ctgggagttg acagcaaaag acggttccag tttatgaagg aagctgggca 180

agggaccaaa gacatgtggc gcgcctactc ggacatgaga aaggccaact ggaaaaactc 240

agacaaatac ttccatgctc gggggaacta tgatgccgcc cgaaggggtc ctgggggagc 300

ctgggctgct aaagtcatca gtgatgccag agagggtatt cagagattaa caggacacgg 360

agcagaggac tcaagagctg accagtttgc caacaagtgg ggccggagtg gcaaagaccc 420

caaccacttt cgacctgntg gtctgcccag gaaatactga attttctctt catgttgttc 480

ccgg 484

<210> 10055
<211> 494
<212> DNA
<213> Rattus norvegicus

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<400> 10055
tgatagggcc tcactccaag gagacaggca agagacagaa acatctccca gctttntcag 60

gaggactgtg gggacccagg taccttcaca tgagaataag gaggcttgga ctagctctnt 120

cttcngtggg aacgttcaag tctttgacat gttagttggt aggaaaagca gggaggaaaa 180

acatgagcac aggtagtaga gagagaccaa ggaagctatg ctgggaggct gagggaggga 240

gaaggtagca ggtagcatct tctcccttga tgaagtccct cctcaggcag caaatgggtg 300

ctctcgggcg ccgccatcac caagacatag atcccgagaa acccataaaa gcaggagtca 360

gtgttgaagc cactgtgaca gcacaggcat tctgtctagg actctgtcag angggccggg 420

tgttgtccac tcaatgacgc ttcactgggc ctcagcctgc tccataatgg aagcttagca 480

gtggccacca acat 494

<210> 10056

<211> 595
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<400> 10056
tctgtggtgc ttctctcatc agcaangact ggctggtgtc tgctgcccac tgtgtgtatg 60

gtccattgtc aaagggtgcc accctgagat gcttctttcc cctaagattg atgtctaaaa 120

aatgttcagg ctgcataaaa caaaaataca ttttttttaga taaaatgttg aaaataattg 180

attttcttgt tagaaatgca tgtttactgt gttttgtttt tccagattat atacaaccta 240

tttgtttacc agaagaaaat caagtttttc cccccggaag tctttgttcc attgctggct 300

gggggagggt tatatatcaa ggtcctactg caaacatatt gcaagaagcc aatgttcctc 360

ttctatcaaa tgagaaatgc caacaacaga tgccagaata taacattaca gaaaatatgg 420

tatgtgcagg ctatgaagaa ggaggaatag attcttgtca gggggattca ggaggaccat 480

taatgtgcca agaaaacaac aggtggttcc tggctggtgt gacatcattt ggataccagt 540

gtgcactgcc taatcgtcca ggggtgtatg cccgggtccg gaggttcaca gaatg 595

<210> 10057
<211> 220
<212> DNA
<213> Canis familiaris

<400> 10057
atgagtgtaa aaaagtctcc cgaagaactg aagagcattt ttgaaaaata cgcagccaaa 60

gaaggtgacc cagaccagct gtcaaaggcg gagctgaagc tactgattga ggcagaattt 120

cctactttac tgaaaggtcc cagcacccta gatgacctct ttcaagaact ggacaagaat 180

ggagatggag aagttagttt cgaagaattc caggtgttag 220

<210> 10058
<211> 520
<212> DNA
<213> Canis familiaris

<400> 10058
agcaggcagc ggtgtttaag ttcccgctgg caccgctcgg ctgctccggg ctgggctctg 60

cgttgctggc agcggggcct ggactgcccg gtgcccccag cgcaccgcac ctgccgcttg 120

agctgcagct ccgggggaag ttggagacac cgggccccgg agagccgggt gccaaagcca 180

agaaggggcg tcggagccgc accgtgttca ctgagctcca gctgatgggc ctagagaaac 240

gctttgagaa gcagaaatac ctctccacgc ccgacagaat agatctcgcg gaatccctgg 300

gtctgagcca gttgcaggtg aagacgtggt accagaatcg caggatgaag tggaagaaaa 360

tagtgctgca gggcggcggc ctggagtctc ccaccaagcc caaggggcgg cccaagaaga 420

attccattcc cacgagcgag cagctcacgg agcaggagcg cgccaaggag gcggagaagc 480

cggcggaggc gcccggcgac accatcgaca ggagccgaga 520

<210> 10059
<211> 154
<212> DNA
<213> Canis familiaris

<400> 10059
aaagagagcc aagactaagt tacctcaaga ctatgtattc ttcccccttt tggagtcaga 60

tttttccatt tctacagtgt tgtcatcatc accatcttca tcatcattat catcatgttc 120

ttaataagta catctaataa ggtccttctg tagc 154

<210> 10060
<211> 203
<212> DNA
<213> Canis familiaris

<400> 10060
gtgaatttat cagttgggtg gcattggatc acgagcatca ggtacaccat caggtgactg 60

tcctagtgac tgatcatggc tccccaccac gaaatgccac catggtggtt tatgtctcag 120

ttactgacat caatgataac aggccgtatt tcccacagtg tctccctggg aaggaattac 180

acatcaaggt tctggaaggc caa 203

<210> 10061
<211> 309
<212> DNA
<213> Canis familiaris

<400> 10061
tgctttccaa gctgctagga gagagggaag atgtggttca tgtgcataag tataatccta 60

cagaaaaggc agagtcagag tcagacctgg tagctgagat tgcaaatgta gtccagaaga 120

aggatgttgg tcctcctgat gccagaggga gtgcagagcg tgaggacagg ggcaatgccg 180

ttcttgttcg agacagaatt cacaaattcc acaggctaga gtctactctg aggccagcag 240

agagcagagt tctgtcatta cagcagcccc tgcctgctga aggcacctgg gaaccagacc 300

gctcaggag 309

<210> 10062
<211> 482
<212> DNA
<213> Canis familiaris

<400> 10062
cacaactcct tgtgctttta gttttataaa ggattatact gtttttaga gttttcacct 60

agctggttat attcaaccta aaattatgaa attctctgct catatctttg tcattttggg 120

tgccattttt gtgtatagta gtaatgcata tctggcttac taaattgggc attagtgggt 180

taccagagtt atgtgttata gttctcttat tcactcatct tattttatga ttactacatg 240

ccaggttaga agtggaacta tagagtatta tggaagtgaa tgtcatattg ccatgagtaa 300

caaaatgtgt tcccggcagc acccattgta ctaagaagtc gtgaactgac ggaagatatg 360

gggtctactc aactctttaa taaccatata agtgatataa tgaactaact gtgccacata 420

ttgaaattga aatgggggtc ccttggagta acttctttgt ttcctgtttt cagaaggtca 480

ga 482

<210> 10063
<211> 449
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<400> 10063
gaaaacgctg catgcggcac gcgatgtgct gccccgggaa ttactgcaaa aacggaatat 60

gcatgccttc ggaccacggt cacttccatc gaggagagat cgaggagacc attctggaga 120

gcggtggcaa cgaccacagc accctggatg ggtaccccag aagaaccacn ttgtcttcga 180

aactgtatca taccaaagga caagaaggct cggtctgtct ccgatcatca gactgcgcca 240

cggggttgtg ttgcgcgcga cacttctggt ccaagatctg taaacctgtc ctcaaagagg 300

gccaggtgtg caccaagcac aggaggaaag gctcccacgg gctggagata ttccagcgct 360

gttactgcgg cgagggcctg tcttgccggc tgcagaagga tcaccatcaa gccagtaact 420

cttctaggct ccacacctgt cagagacat 449

<210> 10064
<211> 576
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<400> 10064
aggacaggcc cctataaggc cgtggccttt ggcctgatcc cctgcagtga cctgcccagc 60

ttggacgccg tgggggacgt ggcccgggcc tcggaaatcc tgaacgcgta cctcgtcagg 120

gtgggagcca acgggacctg cctgtcagac cccaactntg ggggtctctg caacgcgccc 180

ctgtcagcag ccacggagta caggttcaag tacgtccttg tcaatatgtc cacgggcttg 240

gtgcaggacc agaccctgtg gtccgacccc atccgcacca accggcccac cccgtatgcg 300

gcgatcgaca cgtggccggg ccggcggagc gggggcatga tcgtcatcac gtccatcctg 360

ggctccctgc ccttcttcct gctggttgcc tttgccggcg ccgttgtcct cagccttttg 420

gacatgggca gctctgacca ggaaacgagg acgcacgact cccagatcac gcaggaggcc 480

gtcccccggt ccctggggac ctcggaggct gtgtacacgt ctgtaaaccg ggggccaccg 540

ctggacaggg ctgaggtgta caccagcaag ctgcag 576

<210> 10065
<211> 490
<212> DNA
<213> Canis familiaris

<220>
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<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<400> 10065
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gtttctcttc tgggaaatgt gtattttcat ttaacctttg gatttactaa tactataata 120

ctatngtata ttcatggtgt gaattccttt aaagatagta ttgttcttgg acctgtatcc 180

attttacctt gtatatgctt gactccagtt cagcatccag tagttgttga aaggatgagc 240

aaaatacatt atctatgtaa caaaacagta agtatacaga aagtaaaata tgttaacttg 300

ttctttgttt tatgtaatta aattgtcatt aatagtctaa tggttgtagc tgtatagtga 360

ccttttaaa aaaatatata tatattcata tatacccaaa ttaatttttt taaatgcctt 420

tgttgtggta gaccataatg atttcaacaa ctgtgcaaca aggtttggat gctcctcttt 480

tgagatttgt 490

<210> 10066
<211> 520
<212> DNA
<213> Canis familiaris

<220>
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<222> (31)..(31)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(451)
<223> n is a, c, g, or t

<220>
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<222> (453)..(456)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (484)..(484)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (487)..(488)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (490)..(493)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (495)..(495)
<223> n is a, c, g, or t

<400> 10066
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atactggacc cacagccata ttgccagcac catgtctact atacaaagaa aaggcagcag 120

ccacctgttt gacagtttgt ccacctgtaa actgaagttt ccagaagacc agcgacagca 180

agaaaaatct gtcattgctc aaccaatatt tgtttttgca aagagagaac aaacttttaa 240

gagacctgca gaggactcca cctatgaagc atcagaacat gaatgcaatg gttttctgag 300

aaagcgcgta aggtcttcat cttttacttt gcacactaca catcctcagt ccccaggagc 360

atcaagcttg tcccagaatc gaataagatc atcatccttc accaacctcc tgaccttccc 420

cccttctggg ccagggtgcc tggtggctcn ntnnnngngn atctgctttc agctcagctc 480

gtgntcnngn nnncntggga tcgagttccc catctggctc 520

<210> 10067
<211> 548
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(379)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (422)..(422)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<400> 10067
gacatttgct cactaatcag gctcaaacta tttttctttt gctgtgacac attcatactc 60

catgtaacnt aggtatttcc aggtttagtc cctatttctc taactctttg taaaaaatgt 120

gttttatatt acatgttctc accaaccatg ttgaaagaat cgtgtaaaaa tcttaatgta 180

caaattgtat agctttgcag atataggtct taagacttgc ttttcagtgt gttgatacat 240

tcccaaggtt acttaattca actaaacaag cattttgttc agcaccaagc catgccccag 300

gcacggtgca aaattacaga cagcaaaggg gagaaaaaga gactaatgtt tctgatctga 360

tatcccagaa tactaacnna actgttgccg ttaagactcc cacatatgtg agctggcttt 420

tnccccccnt tttcatcctt tgtcactgtt cttatactcc atcatcatta ttcagcaggc 480

ctcaataaag gtttacaaac aagacttctg ccagggaaag ccaggacatc tagtttctct 540

taggcatc 548

<210> 10068
<211> 482
<212> DNA
<213> Canis familiaris

<400> 10068
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cactcagcaa caatacaaca gctggccagg ctgtcaccgt ggagctttc ctgaccctgc 120

agttggtgct ctgcatcttc gcttccacgg atgaacggcg tggagacaac ctgggcaccc 180

ctgccctctc catcggtttc tctgtggccc tgggccacct ccttgggatc cactacaccg 240

gctgctccat gaatccggcc cgctccctgg ctcctgctgt tgtcaccggc aagtttgacg 300

accactgggt cttctggatc ggacccctgg tgggcgccat cctgggctcc ctcctctaca 360

actacgtgct gttcccgccc gccaagagcc tggccgagcg cctggcggtg ctcaaggggc 420

tggagcccga cgccgactgg gaggagcgcg aggtgcgccg gcgacagtca gtggagctgc 480

ac 482

<210> 10069
<211> 545
<212> DNA

<213> Canis familiaris

<400> 10069
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acccctggac tggaggcatc ttcctcatag ctctgttcat atcatcacct cttatttgct 120

tgcacgctgc gattggctcc accatgggga tgttagcagc cctcactata gcaacgccct 180

tggagtccat ctacttcggc ctgtgtggct tcaacagcac actggcctgc atcgcgatag 240

gaggcatgtt ctacgtcctc acctggcaga cccacctcct ggccgttgcc tgcgcgctgt 300

tcgcggccta cctgggcgct gctctggcta atgtgctgtc cgtgtttgga ctaccaccgt 360

gcacctggcc cttctgcctc tcagcactca ccttcctgct cctgacgacc aacaaccccg 420

ccatctacaa gcttccactc agcaaagtca cctacccaga ggccaaccgc atctactacc 480

tatcccagga gaaaaacaga agagcatcaa ccataacaaa gtaccaggcc tatgatgtct 540

cctag 545

<210> 10070
<211> 495
<212> DNA
<213> Canis familiaris

<400> 10070
gaggctctgt cacctatcag tgtggtggca gcctcattag tccttgctgg gtggtcagcg 60

ccacacactg cttcattaat tcccagaaga aggatgacta cattgtctac ctgggtcggt 120

caaagcgtat ctccaaaaca tttggggaga tgaagtttga ggtggaaaag ctcatcttgc 180

atgaggacta tagtgctgac agtcttgctc accacaatga tattgccttg ctgaagatcc 240

gttctgatga gggccagtgt gcacagccat ccaggtccat acaaaccatc tgcctccctc 300

catcacgtgg tgatgctcat tttggtgcaa gctgtgagat cagtggcttt ggaaaagaga 360

attccactga ctatctctat ccagagcagc tgaaaatgac tgttgtgaag ctggtttccc 420

accaggagtg tcagcagccc cactactatg gctctgaagt caccgaccaa atgctgtgtg 480

ctgctgaccc agagt 495

<210> 10071
<211> 563
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (416)..(416)
<223> n is a, c, g, or t

<400> 10071
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cgggagagca aagaacccgt gaacccgggc cctttgaaca agaaggatca cttcaatggg 120

acgatcacag tcacgtctac cctgccagtg aacaccaatg actggatcga gggcgagacc 180

tactattgca gggtgaccca cccgcacctg cccaaggaca tcgtgcgctc cattgccaag 240

gcccctggca agcgtgcccc cccggatgtg tacttgttcc tgccaccgga ggaggagcag 300

gggaccaagg acagagtcac cctcacgtgc ctgatccaga acttcttccc cgcggacatt 360

tcagtgcaat ggctgcgaaa cgacagcccc atccagacag accagtacac caccangggg 420

ccccacaagg tctcgggctc caggcctgcc ttcttcatct tcagccgcct ggaggttagc 480

cgggtggact gggagcagaa aaacaaattc acctgccaag tggtgcatga ggcgctgtcc 540

ggctctagga tcctccagaa atg 563

<210> 10072
<211> 492
<212> DNA
<213> Canis familiaris

<400> 10072
gctacagaac aaggccggct tataggaacc tcccgcttat ttggaaagga aaatgtcttg 60

tgcaagcaac aaagtggact ccttgctcca gaacgtgtgg gatgggaata tctgatcggg 120

tcaccaatga aaatagcaac tgtgaaatga gaagagagag aagactgtgt tatattcaac 180

cttgtgacag taatatatta aagagagtaa agatcccgaa aggaaaaacg tgccaaccta 240

ctttccaact cttcaaagct gagaaattcg tcttttctgg atgctcaagc actcagagtt 300

ataaacccac tttttgtgga gtatgtgtag ataagagatg ctgtgttcct aataagtcga 360

aaatgatcac cattcaattt gattgcccaa atgaaggctc atttacatgg aagatgctgt 420

ggattacatc ttgtgtatgt cagagaaact gcagagatcc aggagatata ttttctgagc 480

tcgagatcct at 492

<210> 10073
<211> 287
<212> DNA
<213> Canis familiaris

<400> 10073
gaatgtgaaa gaaaccctaa tcttaagaga agggacccac aaaatcatca ccaaccaata 60

tgggaagaaa caaaaatatg atttcattat ataacattca actgagcatt tctcagatac 120

actaaaactt tgtggtaaga ttatactttt gtttttgaac caaagcacgg aaatctaacc 180

tgacaatcta taacaatatt gttaataccc ccacattttt gcccatcagg ctgtaagtgt 240

tagcatcaaa atatagtatg tcccttaccc ctgtcttttg aaagcat 287

<210> 10074
<211> 560
<212> DNA
<213> Canis familiaris

<400> 10074
atgacccaag ttctcctgtg gctgggcctt gccttgctgg ggtccttgca ggtccagacc 60

caggactcca ccccaagtct gatcccagcc ccgcctccgc tcaaggtgcc actgcagcct 120

gacttccagc atgaccagtt ccaggggaaa tggtacgtca tcggcatagc agggaatata 180

ttaaagaaag aaggacatgg ccagcttaag atgtatacca ccacctatga gctgaaagat 240

gaccagagct acaatgtcac ctccacccta ctcaggaatg agcgctgtga ctactggaac 300

agagattttg tcccaagttt ccagcctggc cagttcagcc tgggcgacat tcagctttac 360

cctggagtac agagctacct ggtgcaagtg gtggccacca actacaacca gtatgccttg 420

gtgtacttcc ggaaagtcta caaaagccag gagtacttca agatcaccct ctatgggagg 480

acgaaggagc tgcccctgga actgaagaag gaattcatca ggtttgccaa atccataggc 540

ctcacggaag accacatcat 560

<210> 10075
<211> 491
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<400> 10075
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cacagtctca aggacctcct gaacaaggtc cgggacaccc tgctgctggc agacaagccc 120

ttctacctgg tgctggagga agacggtaca actgtagaaa cagaagagta tttccaagcc 180

ctggcagatg acacagtgtt catggtcctc cagaaggggc agaaatggca gccccccaa 240

gaacagggtt ctaggtacca actgtccctc tcccataagc ctgccaagaa gattgatgtg 300

gctcaagtaa cctttgacct atacaagatg aacccacagg acttcattgg ttgcctgaat 360

gtgaaggcca ctctttatgg cacatactcc ctttcctatg acctgcattg ctacggggcc 420

aagcgcatca tgaaggaagt tcttcgttgg gcccntcttc agcatgaaga ccacaggcca 480

tgtgctgctc g 491

<210> 10076
<211> 501
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(264)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (266)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<400> 10076
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ctttagtttt tcttcaattg aatttttcct tttgttgtta ttatttagaa tcctctaaac 120

agtcttgtat tngtgtgcct ggaatgtctg ctggaatagt acttggtgct ggtagtattg 180

gaacagatat tgtaaatgaa gtcctagatt tacaaagtgc ccccgtcagt gcccgcnacc 240

cngtcaccnn cncnnnnnnn ncnncnnnnn nnnnnncncc cctagttcac cttaactgtt 300

tattattctg tcagacgtca aaaaaggagt tgattccact aaattcttct gaaataggga 360

agtcagaggc tacaaggcga aaccaaagtg ctgttcctcc ccatagtcat gaaccactcc 420

ttggcgaaaa tgcccagctg gattttgatg ccttgtgtga caatgacgac acagccatgg 480

ctgccttcat gaactacttt g 501

<210> 10077
<211> 43
<212> DNA
<213> Canis familiaris

<400> 10077
cagccagccc tggaggatca tattttggaa catctgcccg cgc 43

<210> 10078
<211> 516
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (468)..(468)
<223> n is a, c, g, or t

<400> 10078
caggcaggac acacgacggc tgtgtgcttc agtttctcct tttatttctc ccgtacaaac 60

cccgtccctc ccccctgtaa acatggtgct gtgagatcgc agatggagaa ggctccctcc 120

tccggtggct ggatagtgag ggtggcccct ggctcttctc tcagcgcgac ccctcagtgc 180

tcggcagtca tactggggcg ccggagatgt gagctgtggt cagcctccct gggctgctgg 240

gggccggtag cttcttggtc tgagcttcat ttccgtgaag ggcacagaga actcgaaacc 300

cttccagtag taccagctca ccccctggga aaggattgtt gagacagagt cagagccaga 360

cagacgtccc atctgctccc cagcctacac cctgcacccc ggcatctggg gagatggttc 420

ccagaaatca atcaccctcc ccccgcaccc acttcatgat cctcaacngc aaaggccgga 480

ggcttagttt aagctggccc tttacatcca ataaat 516

<210> 10079
<211> 147
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 10079
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cccgaggggg tggagctggg gggtgtctgc tccncggtcc tcggtgcccc tccgctgctc 120

cctttggacc agctctcagg agacaga 147

<210> 10080
<211> 361
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<400> 10080
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cgcggcgcca ggcccaggga aacgtgagca cgatgctgca gctggtcccg ctcctcaaag 120

ccagcatcaa ggagacactg aggcaagccc gccggccacg cctgcccgcc tcacctccca 180

ggccccgggc aggactccac cccatctccg tgaccctgca gagatacctt gaaaatgact 240

tggttcttcg aaattacatg attcccgcca agacgttggt gcaggtgtcc acctatgcca 300

tgggccagga ccccaccttc tncctcaacc cgagcaagtt tgacccaacc cgctggctgg 360

g 361

<210> 10081
<211> 424
<212> DNA

<213> Canis familiaris

<400> 10081
gaacagggat gaccactaca gccctaactt ccaggagatc cgcatgttga agaagactgt 60

gtatgtctac ccgggggacg tgctcatcac ttcctgtaca tacaacacag aagacaagaa 120

tgaggccact gtgggggggcc tggggaccca ggaggagatg tgcgtcaact acatccacta 180

ctacccgcag acacagctgg agctctgcaa gagccatata gacccctgct tcctgcagaa 240

gtatttccac ctagtgaaca ggtccaacct aggggaatac tgcacctgcc ctcaggcttc 300

tggcaccacc tgccctcagg cctctggcac cacctgcccc cgggcctccg tccccgagca 360

gtttgcttcg gttccctgga actccttcag ccgagtggtg ctcaaggccc tgtatgactt 420

cata 424

<210> 10082
<211> 41
<212> DNA
<213> Canis familiaris

<400> 10082
tatctccact caaagtaagg tgctcatggt tctcccaaaa g 41

<210> 10083
<211> 495
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (41)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (93)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(152)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (339)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<400> 10083
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cccancttct tnctcaaccc gagcaagttt gannnnnncc gctgnctggg naangacaag 120

gagctcatcc ncttccggaa cctggncttt gnctggggcg tncggcagtg cgtgggccgg 180

cgcatcgctg agctcgagat gnccctcttc ctcatccnca ttctggagaa cttcagagtt 240

gaaatgcagc aactcaggga tgtgggcncc acgttcaacc tcatcctgat gcccgncaag 300

cccatcttcc tcaccttcag gccgtttaac caggacccnc cccaggtgtg atgagagggt 360

ggacactgcc tctccccccc tcaggccagc agggctgccg gaggaagtcc cgaggggtg 420

gagctggggg gtgtctgctc cncggtcctc ggtgcccctc cgctgctccc tttggaccag 480

ctctcaggag acaga 495

<210> 10084
<211> 557
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<400> 10084
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agatccgggc cttcgaccca gacgctgcgg ccgtgcagcc ttaccaggac cagacctacc 120

agtcggtcta ctttgtgtct gaaagcttca gcgatgccaa ggacaagctc aggaactacg 180

cttcccgcat ccaacgcccc ttctccgtga agttcgaccc atatangctg gccatcgacg 240

tgctggacag tccccacgcc atccggcgct cgctggaggg ggtccaggac gagctgcaca 300

ccctcgccca tgcgctcagc gccatcggct agctgcagcc ggagaggccc ctgcagtctc 360

ctcacccttc cccggcctcc cccggcccct gcccaagcaa ggggctgggg cactgggcac 420

ccccaagagc ctgccagaga ccctccccac gggaaggcac cccaccaacc cccaccctgc 480

tgcttcctgg ctctgcctgc agtgtcctcg tcctgcccgt gatgctgtgc gctgcccact 540

cacaatccca ataaaag 557

<210> 10085
<211> 521
<212> DNA
<213> Canis familiaris

<400> 10085
gccagcgctg ctaccgagag aagaagttcc gggaagccat cggcaagtat catcgggcac 60

tgctgcagct gaaggcggct caggggggccc gccctggagg cctcgaggag cagcggcgcc 120

tggtggagaa cacggaggtg gaatgttatg actctctcac cgcctgcctg ctgcagtcgg 180

agctggtgaa ctacgagcgg gtgcgcgagt attgcctcaa ggtcctggag aagcagcagg 240

gcaacttcaa ggccacctac cgcgccggca ttgccttcta ccacctgggc gactatgctc 300

gcgcgctgcg ctacctgcag gaggcccgca gccgggagcc cacagacacc aatgtcctcc 360

gctacatcca gctgactcag ctgaagatgc accgttgcag cctccagcag gaagacagtc 420

gggccggggc cgggactcga gatgtcgttg gctaaggcca acctaggggg actttccctc 480

cccctactcc cacctcagcg tgtaacttcc cctgacttat g 521

<210> 10086
<211> 560
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<400> 10086
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tnacntctct gaaatgcctc aacaaagcnc aacccttnac ttacggaggg aagagacanc 120

cncaaatgta aagactcgct taccttctgt ggcaagtgcg tggaaagtaa atgcttcatt 180

tctcttaatg ctcaatgctg tggtcatgct ggctgtttga gggtctgcat tttttgaaac 240

taatgaaaga actcctccct gatgtatagt tgggaaaata tgcccctatc taaccagtga 300

ttcaagctat tnaagtattc aagaaagtca gtcttacatt tctgactctg atgtaaatga 360

agtaacttgt cttaaataaa agaagtgcac aatgtcttgg tacttgctgc tattttattg 420

tcttaattaa gtaaaactaa tgagtttctt tctttttaat gaaatgtttt ctttttaagg 480

cttcaattta ttgcacaaaa tataaagcat ctaaacttta atatgtattt tatgtatgtt 540

tacactgtca aacacccggg 560

<210> 10087
<211> 548
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (309)..(310)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(415)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (447)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(454)
<223> n is a, c, g, or t

<400> 10087
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caaatgtgaa aacaagtata catatgggat gaacacaacc cttaagtttg gggaaagtaa 120

aaacaaggtt gcttcttcct agggatctgt gtaccactgg ctcttttaca aacccaaggt 180

ataaaagatc tagttctttt aaaaaaaggc tctagatcta accattactc tctaaagcag 240

cagagctaag tttgttactt aggatttcat tttagcatct gtttaaacta cttaaattgg 300

ggtgcctgnn tggctcagtg ggttaaccat ctgccttcag ctcggatcat gatccnannn 360

nnctgnnnnn gagccccaca ttgggcttcc tgctcaatgt ggagtctgct tcnnnttctc 420

cctctgcctg ntactccccc tgcttgnnnn ntnnctctgt caaatgaata aataaaaatc 480

ttaaaaaaaa ataaactact tagctgttag cacgattatg catttggatt ttcttcatct 540

gacctttt 548

<210> 10088
<211> 474
<212> DNA
<213> Canis familiaris

<400> 10088
tgcttggcct acgtccatgc ttaaacctag ggaaggggg attcttttgg attcatgggg 60

tgaatggcag atgttctctc catgctgggg aatgaggagg gaggagtcag ccagctttca 120

tgctcatggt ggcctggctt tgactctcca aggagcaaca catacaactc agaggagtat 180

ctggctccaa agtttaggga tggaaagaca cttcttttgg aaagacaccc ctttaggttc 240

agagaaatag ggggtgcttt gctcccttgg cctaccttat acagttgtca atgcacacaa 300

aatacagcct catgctccct aaggcaagac ccctgaaagt gatccatgct tttggctggc 360

attctgcatg tctagtgatt gtcttgggaa tgtttcactg ctacctgcac ccagtgactt 420

tgcagcacag aacccgttta atgtaactat gcagagctgt ttggacttca tagt 474

<210> 10089
<211> 50
<212> DNA
<213> Canis familiaris

<400> 10089
ttcccctgac ttatgtgttt gctggtaaag cccttgtcac tggtgaccat 50

<210> 10090
<211> 514
<212> DNA
<213> Canis familiaris

<400> 10090
ggcaaggcac actttgttcc tattttaaag cctccctcct tgctgcataa ttcccccacc 60

cagacctctg agccactgta gctgctgcct cccaacccca gtaacactgc tgggtgaagc 120

cactgtccta catcagataa ttcccaccct ccagtgacct gctgtttttt cctaacccaa 180

gggctcttgt ggttcccctc ctactccaat gcaaaatgta ccctcatact gtaggtagca 240

ctatatttta tcgtttgggg aatggaggca caaacagaat gaagactggt ttgtgctctg 300

ctttccatgg gaagactggg gatgaggggc aggcacagga ctatctgtgc ccacaaatag 360

ggctgagagg gtccgctcca gggtcctcct caccctcca aggccagaaa agtgagagtc 420

cttccctctt tccaagacct ggtgcccttc ccctcactcc ctcctgccac ctgctgctgc 480

taaccctcgg ggtaccactg cagcctttac ttac 514

<210> 10091
<211> 353
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(155)
<223> n is a, c, g, or t

<400> 10091
cctcatctct gtgattgtga attacagttc agttctcgtg tttttagact gttagacaga 60

agtgctcgcg tgcagctcca gaatatggaa acagagcaaa agaaccctag gacctttttt 120

agaaacagta cgataaatta tttttgagna cnnnncagta tatagtgatg tgctagaact 180

ttttaggctg attttagtgc cccattatta acgattcccc ggaacatgga aataaccact 240

gtttacagag ctgagcattg gtgacagggt ctgacagggt cagtctaaaa taaaatttgg 300

tggcaatatt aggtaacttt ttttcctatg aagtcttttg taggtccttg ttg 353

<210> 10092
<211> 535
<212> DNA
<213> Canis familiaris

<400> 10092
aacacggagt tctcggagct ggagcttcag gagtggtaca agggcttcct caaggactgt 60

cccacgggca tcctcaacgt ggacgagttc aagaagatct acgccaactt cttcccctat 120

ggtgacgcct ctaaatttgc tgagcacgtc ttccgtacgt tcgacaccaa cagcgatggc 180

accattgact tccgggagtt catcatcgcg ctgagtgtga cctcacgtgg ccgcctggag 240

cagaagctca tgtgggcctt cagcatgtat gacctggatg gcaacggcta catcagccgc 300

gaggagatgc tcgagattgt gcaggccatt tacaagatgg tttcgtccgt aatgaagatg 360

ccggaggacg agtcgacccc agaaaagagg accgagaaga tcttccgcca aatggacacg 420

aacaacgacg gcaagctgtc cctggaggag ttcatccgcg gagccaaaag cgacccgtcc 480

atcgtgcgtc tgctgcagtg cgaccccagc agcgcctccc agttctgagc gagag 535

<210> 10093
<211> 410
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (92)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(347)
<223> n is a, c, g, or t

<400> 10093
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ggcataataa ctctgataat tctgtatgtt annggtttt atgttctgat attttgactg 120

gtttgggaaa aacggagttg tcccaaagct gaactcagag ttgtcccggt aaatgcttaa 180

nnaccgactt tttgggtggn aagccctgat ccatagtgtt tgtcaattnc catgacttaa 240

ncactttnac tatggctgat tgcaggctgt gagagtgaca tcactgagag cagaancggg 300

gatgatgtat gcagccgacc cttgtaagtt ggtgtaccca cnnnnnntcc atgggcatgt 360

gtgaaattgc agtttttta ttaaaaattc tgccccatag atatacaaag 410

<210> 10094
<211> 476
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<400> 10094
acggaacagg ccgacatctc actgacccgg ggagctgagg tgaagggcca ctgtggccac 60

aacgagtcgg agctgcaggt gttctgggtg gatcgcgcgt atgcgctcaa aatgctgttc 120

gtaaaggaaa gtcgcaacgc gtccaaggga ccggaggcga cgtggaggtt gagcaaagtc 180

cagttcgtct acgactcctc ggagaagacc cattttaaag atgcagtcag tgctgggaag 240

cacacggcca actcacatna cctctctgcc ttggtcaccc cagctgggaa gtcctatgag 300

tgtcaagctc agcagtccat ttcactagcc tccagcgatc cacagaagac agtcaccatg 360

attctatccg cagtccacat ccagcctttt gacatcatct ctgattttgt cttcagtgaa 420

gagcataagt gtccagtgga tgagcgggag cagttggagg aaaccttgcc cctgat 476

<210> 10095
<211> 528
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<400> 10095
aatttaatcg gtcctgtcca tcaaangaaa atctagcgtt ccatgaggat ggttcagtct 60

gccacaacat cctgaaaaag aacgttccag acagaatgtt ccccttctc tttccactcn 120

aaaagtgtag aaataacagt gggatggtag ccatacagcc gagtttccac cttataacac 180

ctgccctcca ccgtgacaaa cacgtattgt cagtttccaa gtcttttgag accagtggtt 240

catccatgaa acttaccctc ccatacacac agtgncctgt cattctggct tatgagctct 300

aaggtggagt gagagcagga gactgccttg ccaagnanag aaggacatct ccatggtagt 360

ggnacccgga gcctctctat catttagatc ctacagaaac ttccctgctg tctgacttgt 420

agtgcactca ggtcatgaca cctggacaat gcatcctttg aaggatgggc tttctcttgt 480

ccatcctaga ttcttcagct tcagaaccag ctctgcattg tctccaat 528

<210> 10096
<211> 491
<212> DNA
<213> Canis familiaris

<400> 10096
aaaagctcct ggtcctgaag tccggacctg ccacctctgc ctcttagaag acccttctac 60

agggtgcatt tcagggtcag agaagtgtac catcagcagc acgtcaccgt gcatggtgat 120

caccatctat tatgatacca agattcgttt cttcatccga ggctgtggac agtataattc 180

ctaccgctgc caagaaaaac gcaataccta cttcccggag tactggtacc aggcccagtg 240

ctgccagtat gattactgca actcctggtc cagcccccag ctccacagct cccctcttga 300

ccccccctgct gggacctggg gcctgcccct ctctgagtcc cagatccagt ggttctaccg 360

ggccctgaac ctctcgcttc ccctccgcag cttccatgct gggggggagc ctgaatgcct 420

gggtaacctg gccaccctgc ccctgaatct gagcttatcc attgctgacc tgcgtcacat 480

atatttgttt c 491

<210> 10097
<211> 468
<212> DNA
<213> Canis familiaris

<400> 10097
tgaagtgctg ctcattcgcc tgtgagaaga agtgtatgga tccattccaa gaaccctgca 60

tgctaccctc agaccaagga agctgtaaca ttgggctctc gcgctggtat tttgacttta 120

aacatcggat atgcaaaccg tttaaatatg gaggctgcta tgggaatgcc aacaacttca 180

tcagcagagg aaactgcaga gtggcttgct catcagttgt caagactgga cagtgcccac 240

tcttcccctt caagaaccgt atggagtgtc agcttcctg taagggtgac atggattgcc 300

ccaaaagtga caaatgttgt gaatccatgt gtggctttgt ttgtgccaag gcctggacag 360

tcaaatcagg tttctgccca cgcaagcccc tgatgtgttc caagattgag agacccaagt 420

gcctgcagga tcgtgattgc ccagtgtccc agaagtgctg ttcacatt 468

<210> 10098
<211> 484
<212> DNA
<213> Canis familiaris

<400> 10098
tggaggacag cgatcagtcc ctgatggagc tttggtctag cgactcggag gacacggccg 60

aggccactaa aggagagggc agccggacta cggagaactt ggtgcttagc agcaaaggcg 120

tgctgccccc cggctggccc gaagacccca tcctcggtga agacgaagtg gcgggaaaca 180

aggtgggagg ggagcctctc cttcccagca acaaagccta ccttcggtct gacctgctgg 240

ccagggaatg caacaccctg atggcgccca aggtgaaggg tcacaaccgc acgtgcataa 300

gccagtacac gttcatccat gaggaccttg acaccgtcca ggccgtctgc aacagtcccg 360

tcgtggcctg tcagctcaag ggaggcaaat gccacagaag ctcccgtcct tttgacttga 420

ccttctgtag gttgtccaaa ccgggccagg tcactcctca ctgccattac gtcactttca 480

tttt 484

<210> 10099
<211> 117
<212> DNA
<213> Canis familiaris

<400> 10099
tgcacaagag aaatggatcc aatctgtgca accaatggcc aaacttattc caatacatgc 60

gttttctgca gtgaacaatt agaaggttct aacaaattta aattgtctca ttttgga 117

<210> 10100
<211> 268
<212> DNA
<213> Canis familiaris

<400> 10100
ggaagttggt gtggcctcca gccaaaacct ggcactgaag accccaaaga ggctggaagc 60

cttgttcctg accttgagcg ggcacgaact gctggtgaag gctgcatatt acagctcagg 120

aagttgtgag acagaaaaca tagtgggctc agagatagac atgtcgggga cattcgtctt 180

ccctggtaag aaccgttgcc ctgttgctac aagcccccag ctctgcgtgc ccactacact 240

ggctttgcta tctttctgca ccgtttcc 268

<210> 10101
<211> 174
<212> DNA
<213> Canis familiaris

<400> 10101
attttgcggt tgtccctcca ctggcaaggc aaggacttcc gtgtgctcaa gtacttcacc 60

cgcagcctcg aggacgagaa tgggccaggc ttctggaggt tccgggagct gaccgcagac 120

acggggcttt acctggtagc ccggcacggg aggtgcgcca aactcctgaa ggag 174

<210> 10102
<211> 458
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<400> 10102
tgtcctgctg actgcttttg tggctttggt ctcattgcct aggacccggg cagtgtggtt 60

gggaaggctg gaccctaagc agcttctggg gtcctggtat attctggccg tggcctcagg 120

tgaaaagggc tttgcattgg agaaggccac gaagaacatt gagggcgtcg ntgtgtccct 180

tactccagaa aacaacctga aattgctgtc ctctaggcac aggctggaga ggtgtgacgt 240

gaacgtggtg gagctgctca gacagaactc gggatgggtg tttgagaacc ccgccctagg 300

cattctggac taccgtgtgc tgggcaccaa cttcagggat tatgccatcg tgttcaccca 360

gctggagttc aaagacgagg ccttcagcac cgtggagctg tacagccgga cagaactggc 420

cagccaggng gccatgggcc tcttcaccag gtggagct 458

<210> 10103
<211> 173
<212> DNA
<213> Canis familiaris

<400> 10103
tccatcaaag aactgcagag tccttggaga ggcttcccac cagtttttca agtccacact 60

acatcacact gaaacctgca ataaaagatc caagaggaat tgccgatccc aatcaaagtt 120

ccaaaatgaa cttgaaattg gatatccaaa atggctgtgc aaggctaggt tga 173

<210> 10104
<211> 550
<212> DNA
<213> Canis familiaris

<400> 10104
gctgcatgac tctcctcata aagaacagca gcagcggttc tgacatcatg gtgagtgact 60

gccgccacaa ggagcagatg agtgattgtt catatacccg ctcttctcca gtgtttggct 120

tctggatatt ttctcgatgc tgcctccggg agttctgcaa taaccctcag aacagagtct 180

tctacattcc ttagaatttc tgcaaagact tgtggaataa aatcctgcca gttgccatcc 240

atcttcttga tttccagttg gctggcacag ccaggacaac ttccaatcct ttttaccagc 300

cctccctgcc tctctcaagt tactggcccc cagccctgtc tcttagttga cacccctcaa 360

gctccccgac tcccactctg cccctccccc aggctccctc tccagaagtc tgagttttca 420

agtcctcacg gtctgacagc ttttgtcctc ttctcccact cttcaagctg cttctttgcc 480

cggctttgcc catctcccac cacaagccag tctcgcctca agtccccagg tgttcctccc 540

aaataaattg 550

<210> 10105
<211> 136
<212> DNA
<213> Canis familiaris

<400> 10105
gggccatttt aggtgctatt ctgggtgctt cattgcttag tcttgttggc tacttgctgt 60

gtggaaaaag gaaaacggat tcattttccc atcggcgact ttatgatgac agaaatgaac 120

cagttctgcg attaga 136

<210> 10106
<211> 400
<212> DNA
<213> Canis familiaris

<400> 10106
ccaggattta cttgtgcaga aggagaatgc tgtgaatctt gtcagatgaa aaaatcaggg 60

tccatatgca gaccagcaaa agatgaatgt gattttcctg aagtgtgtac tggtcactct 120

actgcatgtc ctcaggacaa attccaagta aatggatttc cttgcaagaa tgcaaaaggc 180

tactgcttca tggggaaatg tcccacccgg gatgatcagt gctctgaatt ctttgataat 240

gaggtgaaag acagttctga tctctgctat gagatgaata aaaaaggaaa tagatttgga 300

tactgcaaaa acaaggaaaa cagcttaatt ccctgtgaag agaaagatgt caaatgtgga 360

aagatacact gcagtagagg gcagcattca tcactacttg 400

<210> 10107
<211> 382
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<400> 10107
gttggccatc tttatggccc tggtggccca cacctaccaa gtaagaaaga aaacctttct 60

gagtgttgga gaagtgtctg catcagaccc ttatgtgaca accaccatgc agtatttgag 120

cgatgacttc aacaagaagn ataacgacaa gtacaatttc cggattgtgc ggctcctgaa 180

ggtccagaag cagattactg accatatgga gtttcatgtg aacatggaaa tgcggcggac 240

cacctgtcaa aagctggaga ctactaattg ctcctttcag gaaggggagc tttacaagca 300

aattgagtgc ttctactcag tgtttgttgt tccctggttt gaaaagtaca aaattctgaa 360

caaaaactgc accgatgact ag 382

<210> 10108
<211> 236
<212> DNA

<213> Canis familiaris

<400> 10108
ttctcctaca catcatgctc acaaatgggt ttgtgatgct tctgcctgtg ctgggaggtg 60

tcaaggacaa gacttttttt ccagttggaa gaagagccac tgagcagtgc tgggtacagc 120

ctctgttaaa gtattgtaag aagaggtgca ctaaattaca ggagtgttta tctcccaatc 180

atacatgttg ctggaccttc tgtggaaata tctgcttgga caatgaagaa cccttt 236

<210> 10109
<211> 558
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<400> 10109
ttctctgctc tgtgatttct ctggtcncca ttcccctgta ttttcagtgt ctctggcttt 60

agtgtcattt tcttcctagn aanctgggat gctgcacctc ctagaaaata atgagttcag 120

agtctgccca ggctggcctg gggaaggcac agtggcttcc tggtcccctt ctggtcacca 180

gagtcagcca tgcccctcat cttcccagtc ctctgccaat ctggtcccct gctgcctctg 240

ttcagatctg tttgtagatc acattctacg cctaccttga gacccagact gaacttgcag 300

taagaagggt agactaatgt gcacgtttcc ttactaggca ctgtggtgtc cctgcctcac 360

tgtgtctact cccacctgct tctctggtca ccttgccctg gtcacctgct tctctcctct 420

cgttgcagtc cgtggtctca gtcccactcc gcatcactga gtcctgaaac ccgcttccat 480

agatgccagg ggagaggaga gggtcccccc tgctctgctc cacatctcct gcttgttctc 540

cacaaactcc acaataaa 558

<210> 10110
<211> 553

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<400> 10110
atttcatttc cttgttcttc atatgaagat ttcaaagctg gtttatgtgt aaactgtgag 60

aagttcaaga aaaaatcatg tcctaggcta ggttatcaag ctgagctatg gaaagatgct 120

ttaaaagaaa gaaaagaaaa acaatttctc aagaccactg tgtttttgga tactagtggc 180

naaagtccat tctgtaccta ttattttgtt ctcagtataa ctcttctaga taaaaccatg 240

aaggatgcct atattacatt taaattatta aaccagtttg gaaatgttga agaaccaagt 300

ctctatgaga agaatacatc atttaataag ctccaagaag tcaagattct tgctcaattt 360

ttaaatgata ttgtaagtat ttcaaggatt ggtttgacat attttcagag ctcaaactgg 420

caaagtttca catacaaata caacattcag cgtgtcaagt tgcaatcact tacatatcca 480

gcaagaccac cactttgcat atacaatttt gtacttaaag aaagtgaaga agtatttctc 540

aatccaagca tat 553

<210> 10111
<211> 199
<212> DNA
<213> Canis familiaris

<400> 10111
tgacctgcca gccatgaagt ttttcctctt ttttgtcatc cttctggcca tggaaccagt 60

gatatcagaa gagtgttgga tgaatggaaa atgccggttg gtgtgcaaaa gtgatgaaga 120

cagtgtcgta cgctgcgaaa atcgtaaacg gtgctgtgtc cctagtcgct acttaacggt 180

ccagccaatg actgttgaa 199

<210> 10112
<211> 277
<212> DNA
<213> Canis familiaris

<400> 10112
atcattgcaa tcctgctgtt ccagaagtcc aaagtaactg aacaacttaa gagatgctgg 60

ggtgaatata tacgaggata ttgcaggaaa atatgcagaa taagtgaaat acgtgaagta 120

ctttgtgaaa atgggagata ttgttgcctc aacatcgtgg aattggaagc acgtagaaaa 180

attacaaagc cacctcctcc agagccaagg acatatgcaa tgactttccc tcaagatgat 240

gatataattg tagaaaatta ttcaagatcc aagacaa 277

<210> 10113
<211> 243
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<400> 1113
tgctgtttgc atcagaacgt gttggtatag aagccaaagc tcggtcccta tggctgctct 60

ctggggccat agcactgacc cagacacagg tgtttttgga gaagaggtta agcaagcatg 120

ctgctgcccn ctcatttgat ccagacagtc tggacatttt gttgtagcaa aagaaaggac 180

aacaaccacc tccgcctgac tgtagagaaa gtggcttagc aggagctgga caaaatatcc 240

aaa 243

<210> 10114
<211> 260
<212> DNA
<213> Canis familiaris

<400> 1114
tgaagctgtt tctggttctc attattcttc aatttgaggt accaacagat acagcacgac 60

ccagaaaatg ctttagtaat ataacaggct actgccggaa gaaatgtaaa atgggggaaa 120

tatatgaaat ggcatgtcta aatgggaaat tatgttgtgt taatgaagac aaaaacaaaa 180

aacaccaaaa agccccagag tcacctctcc ctttaccaca gcctaagggg aagatagact 240

atgtcatttt acccaccatc 260

<210> 10115
<211> 322
<212> DNA
<213> Canis familiaris

<400> 10115
tctgctgggc atagtctttc tgatctgctc aaataagggt gaattgaagg aacatctgac 60

agagattgca aagtcatgtt ataaatgtaa aaaatatcat cttgggttat gctatgacat 120

catgaagacc tgtaccctaa agtaccaaca gtcctgtgct gttgagaact tttacttcct 180

tacaaaaaaa ggacggagta tgtattttta ttccaaactg tcatgtgtga ccaattgcga 240

agacatcaac ttcttgagtt ttgaaaaaag gacagagctc atctgttgca aacatgctag 300

ctattgcaac ctccctgagg ga 322

<210> 10116
<211> 553
<212> DNA
<213> Canis familiaris

<400> 10116
atatgctgca gctttgggtt atgaaggcct ttttttatat gatgataggc tcttggctga 60

ttcagatagg ctttatgctg tacaaaccaa tttctggcta taaatggatg gatgatgaca 120

aaaacaacat tatatttgtc accaccttct tctgctggca tgtggctttc attgccattt 180

taatgatctg ggtctatggc ttctcctttt tgtggtatta ttacatttgt tgaggtatga 240

accttggtga tcccagaatg gcttttgtca cctgcacatt ctggaatacc tagatgagaa 300

gttgtaggaa gtggaggtgt tagaaaggaa gatgactgag gcaacagact ttgttgggat 360

ggacatccac ctctcccctt ctggcttctg agcagtctca tctgctgcgc agtatgctgg 420

gacaggcaaa tgaaacccaa gaagaagtta tgaccttcac tctcagctcc ccaagtattt 480

cccctacctc tcctacctct caattccaga tgaggcattc tccttgtctt gttcttctct 540

gtactcttca cat 553

<210> 10117
<211> 89
<212> DNA
<213> Canis familiaris

<400> 10117
agcagattac tgaccatatg gagtttcatg tgaacatgga aatgcggcgg accacctgtc 60

aaaagctgga gactactaat tgctccttt 89

<210> 10118
<211> 261
<212> DNA
<213> Canis familiaris

<400> 10118
actccgagtg cgtcagtgac tgctgcctaa tgaacctgga ccacggaggc gccttctgtg 60

cccccaaggc cagaatagcc atgttgtgcc tgttccaggt gaggctctgg gctggggcag 120

ccagctctgg cctgaaggac caaaggagcc ctcaacgtca tatgcccctg ccaaagcggc 180

ttgagttgca tatccaagga cccaatctgt tcccgccgtt gccatttgat ttagaggagg 240

atccaggctg gtcgctgcca c 261

<210> 10119
<211> 155
<212> DNA
<213> Canis familiaris

<400> 10119
ctgcccatga aagagtttcc ggagatcctt ggaggctcca acaagtctct cgccctgcac 60

ttgatccacc gagtcctgca catccccaac cagtacttat atcttgtggc tgatcaatac 120

ttctacaaca agcactcccc agttgagatt cgaga 155

<210> 10120
<211> 154
<212> DNA
<213> Canis familiaris

<400> 10120
gtggccctaa tgtttccagg accatccagg gccagaaata ttaaccacca aggtacagag 60

ggtcccagag aaccttggga agaatctcct ggacaaggaa aaaacgagtc tcacttgcta 120

caccaccgag aaaaacgtcg cctcttacca cgca 154

<210> 10121
<211> 186
<212> DNA
<213> Canis familiaris

<400> 10121
aggacgttcc tctttctttt tgctgttttc ttccttctgg ccccagccag gaatgcattt 60

tttgatgaga aatgcttcaa gcttaacggg aagtgcgtgc attcttgcca gaaaaatgaa 120

gaactggtgg ctctctgcca gaattttctg aaatgctgcc tgacactcca gccatgttgg 180

atgagt 186

<210> 10122
<211> 237
<212> DNA
<213> Canis familiaris

<400> 10122
aacagtacct gtgtctttcc atttatgttt ggtgacacca tctactacaa ctgcatctct 60

gtccacagcg attatgattg gtgttcactc gacaagaaat tccgagggag atggcggtac 120

tgcaccgggg aagatccccc caagtgtacc ttccccttct tcttcagaag caaactcttt 180

cacaaatgca ccaaagaggg ctatattttg aattggagtt ggtgctcatt gacaaaa 237

<210> 10123
<211> 282
<212> DNA
<213> Canis familiaris

<400> 10123
caccgctgta tcacatggtc ttatgtgctg attccagcgg cacagcccgg gaggttctca 60

gtggatggcg catcgggggc aaaccccgag gaagtccagg tgtatgacac tgactacaat 120

gtgttcgctc tgatgctgtt cagaaggcag tcaggtggcc agagcatcct cagggttaac 180

ctgctctgca ggatgtggat aatccagacc caggtgctgg acaaatttgt ctgcctggtc 240

agagctctgg gcctgtcgga caacaacatc gtcttcccag ac 282

<210> 10124
<211> 336
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<400> 10124
ctgcctccat ctcagcttga taaaggctgt ccncaggcag ctcagtatat ctggcttctc 60

ggtgttctcc ccagaagccc tgtggccatg acacagctgc ttctgctcat tgtggctctc 120

ctggccctgg gtcatatgca gccagggaga agtgaattta aacggtgctg gaagggccaa 180

ggggcctgcc ggacttactg tacgaggcaa gaaacctacc tacacatgtg cccagatgcc 240

tctctgtgct gtctccccta tggaagcagg cctctgtcct ccaagcctga atatgtgtag 300

ctggctctgg ggctggcaca cttactctcc aagaaa 336

<210> 10125
<211> 147
<212> DNA
<213> Canis familiaris

<400> 10125
caaggagatc tgtgcgcatc caaatggctc ttgccaggag ttttgcctgg aaacggaaat 60

ccaagccggg aggtgtttaa atggccacgc atgctgccgg cccatggtgt tcgagtccat 120

catcgagcct actacaccca aggaatg 147

<210> 10126
<211> 228
<212> DNA
<213> Canis familiaris

<400> 10126
gcttttggga cttctgtcag tcctagcact cttcatcctc ttgggggggag tccggaaacc 60

tgagctggtt gaggggttac ttgccatcaa gtgtccccgt accagaatac catgccgtta 120

cagagaaatc gaccaatgct cgaggagtaa aagctgccct gagaagatga cttgctgcaa 180

ttttaactgt tcaaagaaat gtttagacct caaggaagag gctttcca 228

<210> 10127
<211> 412
<212> DNA
<213> Canis familiaris

<400> 10127
ttccttagcg aaactcactc tatttatttt tatttattcc tgtttattta tttatttatt 60

tgcttccata ccactggtat tcagatcctt catgatgatc catttggtga gcttaatttg 120

tacataacac tccagaaact tcctgtagat cattcttaaa ccatgttaac gagcaatgct 180

gtcaatgcct actcatgtgc acctcgctca tggaagatat ttcaaggtgt ttttaaagga 240

caagagtgat tattgcagcc ctcttctgaa tttttaacgc tgaagtttga ggcaacaggg 300

ggcatgtagc gacaggaaag gaaactgcag aatgaaaggc attctgtgag aaggacagta 360

aagccagctg tttgacgcct gggcctggta tcttttacca agtcacacat tg 412

<210> 10128
<211> 199
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<400> 10128
aaacgcctgt ctctcttttt tgtcaatcac aaaattttga aataaataaa catcgcctaa 60

atggaaaact ctgtggatcg ccgaaaaaga gtgggattaa aactttggan ccctaaaact 120

tttattcaat tgtaaaaatg nattatattg catcgaaaaa attaaaaata ttgatcatta 180

cttattacct ctcttaaaa 199

<210> 10129
<211> 321
<212> DNA
<213> Canis familiaris

<400> 10129
gaatggatct tggtcttggg ctgcctgttg ttcagtgtct ggttttctag ttggttaaga 60

gccttccatt gacaacgaca gaagaaacat gtagctttaa cagctctgcc caatccccta 120

aacagcatca gatgccaaag acccgaagat acttcatggg ataaaaacac ctctaataca 180

atttgcagta ttttaaacta agaaagacac tcattaattg attttagtgg aggaagaggg 240

cagttttggg agaaggcaga aattggtgtt gggaagcagg aggaagagct catccatctt 300

ggagtgttga tgttcgtatt c 321

<210> 10130
<211> 436
<212> DNA
<213> Canis familiaris

<400> 10130
gtataaacgg acagctcttc acagagcatg cttagaagga catttggcaa ttgtggagaa 60

gttaatggaa gctggagccc agatcgaatt ccgcgatatg cttgaatcca cagccctcca 120

ctgggcaagc cgcggaggaa acctggatgt cttaaaattg ctactgaaca aaggagcaaa 180

aatcagtgct cgggataagt tgctcagcac tgcgctgcac gtggcggtga ggactggcca 240

ctatgagtgc gcggagcatc tcatcgcctg tgaggcggac ctcaatgcca aagaccgaga 300

aggagatacc cctctgcatg actcagtgag gctgaaccgt tacaagatga tcagactcct 360

gattatgtat ggggctgacc tcaacatcaa gaattgtgct gggaagaccc caatggatct 420

ggtgctacac tggcag 436

<210> 10131
<211> 309
<212> DNA
<213> Canis familiaris

<400> 10131
gtctgagctt gtgtgactga gagtcagtgt gtatgcgtgt gtgggcgtgt tcaagtgaga 60

ctgtgtgtca tcttgcatgt gtgtactaaa gcacctgtgg ggggctgtgt gcaggctatg 120

gggcacctgg tgaaattttt gagtcctttg cccacaagaa gatcttgttc agaggcctgt 180

gtttggtttt cctgtacacg caagtccgac tcggcgcagc aggagtaagg gtgtgtctga 240

ggacatgact tgcagctgtt tgcttgtgca tagatgtggg tgcctgagtc actggctgag 300

ttctcaccc 309

<210> 10132
<211> 423
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<400> 10132
tactttgcaa tgtaacccag cgggtgtcat tctggtttgt ggttacagat ccttnaaaan 60

atcacacnct tcctgctgtt gagatagagt cggccataag aatgaatagg aaccggatca 120

acaatgcctt ctttttgaat gaccagtctc tggaattttt aaaaattcct accactcttg 180

caccacccac tgacccatct gtgcccatct ggattattat attcggtgtg atattttgca 240

tcgtcatagt ggcagtcgtg ttattgattt tatcaggaat ccgggaacgt agaaggaaga 300

gcaaagaacc atctgaagca gatgacactg aagataagtg tgaaaacacg atcacaattg 360

agaatggcat cccctgcgat cctctggaca cgaagggagg gcacattaat gacgccttca 420

tga 423

<210> 10133
<211> 373
<212> DNA
<213> Canis familiaris

<400> 10133

aacctggtta cctgggaact gctattcctc attacgatgt gcaggtcttg gatgacaagg 60

gcaatgtctt gccccctggc atcgagggag acattggcat cagagtaaag cctatcaggc 120

ctataggcat cttctctggt tatgtggaca gtcctgagaa gacagcagcc agcattcgag 180

gggatttttg gatacttgga gatcgggcaa tcaaggatca agacggctat ttccggttca 240

taggccggtc agatgatatc attaactcca gtgggtatcg gattgggccc tcagaggtgg 300

agaatgcact gatggagcat cctgctgtaa ttgagacagc tgtaatcagc agcccagacc 360

ctgtccgaaa aga 373

<210> 10134
<211> 55
<212> DNA
<213> Canis familiaris

<400> 10134
gttcataggc cggtcagatg atatcattaa ctccagtggg tatcggattg ggccc 55

<210> 10135
<211> 503
<212> DNA
<213> Canis familiaris

<400> 10135
ctttaccctt ccttacagat aattgattct tatctgccat ctcaccaaga aaatgagcat 60

ggtataattc taccaaggga cttggccata aaacttgtga gtttatatct caccaaggat 120

gaaacatttg tcgaggcgat gagaagaaat gaacatatgc ctcaggaatc aagacatctg 180

tttcagtttg ttaattggag cactctttta cccgagaagt ataggaaggg ttatgtttat 240

actgaaccaa ttcttggaaa acataatttt tcatttccag gacttatgga tattagaata 300

tcacccttac tagccaatga ttccctgtta cagaatttgc caccaaccta tattcttacc 360

tgtcaatatg atattgtgag ggatgatgga cttatgtatg tttcaagact tcaaaatgtt 420

ggagttcaag ttactcatga ccatattgag aatggaatcc atgcagcttt atcatttatg 480

acaccaccac tgtatttaca tgt 503

<210> 10136
<211> 359
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<400> 10136
tccccaagga agctacagca gcatgtgaag tcagtaccag ccccatccaa gtncccaagg 60

aagggaacta aggcatggga gtggncactg aaggggggacc cagtttttgg aggtggagtt 120

tgtttctgag ctgcccaaga ctancacagg gaaaatccag cggaagaagc ttcgagacaa 180

agagtggaag acatccaggc aagctgaggc ccagtgagac ctacatgggc atccctttgg 240

gccctacact tcttacttcc atttcccttt ggactttctg ttttcctcta gggatagaag 300

atttccttat gacaagacaa cttatttctg tctttccctg gaaagcacaa aatcttact 359

<210> 10137
<211> 592
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<400> 10137
aggtcacctc aaacctcagg acacacatga ccagaggagg ggaatatcca ctattgagta 60

atttccatat gccagacact gtcctaagca ttttataaat actatcatgt tttacctctg 120

tgtggcatct acaaactttg gcacataggt gtgagaacac tataggaacc tcaaaaaagt 180

gtcccttccc catggctcat gtttgtggta gtatctactc nttcctagaa tcaagtaatt 240

gttgggccag tgggatcaag ggggatcagg aggcaccaac taaatggcgg cagaccctcc 300

atcttgttac cctcccctca gaactttccc accaccggca gaccgcccaa ggacacatca 360

tcaggtggag acaggaccta tgcaggaaac ctgaaccaca ccttacccaa accccatata 420

agggcataag cagttatcac cccatacaga cacaactccc tacccctctc cccttaaaag 480

ctcacatgta ctccctttgg gcgcgccttc cctggcccat gactccccac tctctccctc 540

tcctgtgggc catggaacct tgcctgagag cacgtctcat taaaagcttg cc 592

<210> 10138
<211> 263
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<400> 10138
ggtggagttt gtttctgagc tgcccaagac taacacaggg aaaatccagc ggaagaagct 60

tcgagacaaa gagtggaaga catccaggca agctgaggcc cagtgagacc tacatgggca 120

tccctttggg ccctacactt cttacttcca tttccctttg gactttctgt tttcctctag 180

ggatagaaga ttccttatga caagacaact tatttctgtc tttccctgga aancacaaaa 240

tcttactgta ttagatgttg aaa 263

<210> 10139
<211> 153
<212> DNA
<213> Canis familiaris

<400> 10139
gaagtgatgc aaaatcttgc agcgactaaa tccttccaag tcaagcaaac acagtgcttt 60

ctctttttct tggctaatac aataaagaaa ctggttcctt ccctgctgga tgtaaagaag 120

ttagcacccg gtggtggcaa accgaagccc atc 153

<210> 10140
<211> 135
<212> DNA
<213> Canis familiaris

<400> 10140
caggctagga tacccaaagc tgagggtgcc tgggacatcc acccatccgt ggggacaaga 60

tacatgtcct gttgtgctta agcatctgat gatctgactg aagaagctga cagatttcca 120

aactttggct ggacc 135

<210> 10141
<211> 300
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(272)
<223> n is a, c, g, or t

<400> 10141
gggactccaa atgaccaggc agtgttgcgg gccatcttca acncccgaca ccccgtttgg 60

agaccttgtt gggttggacg tggaagagga ggtagagaag gaagaagtag atgaagatga 120

ggtttttcct cnagcgcagc tggagcagtc caaggccctg gagctccagg gggtgatggc 180

ggnggaggcc ggccacctna gcacggccct ggagaggttt ggccaagcca ttgacctgct 240

gccccagagg gcctncgnct acaacaaccg nncccaggcc cgccggctgc aaggagacgt 300

<210> 10142
<211> 371
<212> DNA
<213> Canis familiaris

<400> 10142
atgcatttat tcacaatccc actggaacac acttctgtga ggttgaacag atgagaagtg 60

gacctccagt cattcattct ggaatcaaag atctcaaggt cttgaaaacg acccagtctg 120

gattcgaagg attcatcaag gaccagttca ccaccctccc tgaggtgaag gaccggtgtt 180

ttgccaccaa agtgtactgc aaatggcgct atcaccaggg cagagacgtg gactttgagg 240

ctacctggga tactgttcgg gacattgtcc tggagaaatt tgctggaccc tatgacaagg 300

gcgagtactc accctctgtc cagaagaccc tctatgacat ccaggtgcac tctttgagtc 360

gggttcctga g 371

<210> 10143
<211> 346
<212> DNA
<213> Canis familiaris

<400> 10143
agaacaccag gtttagagcc acatggattt aacttctggg gaaagcttga aaacaacatt 60

gtcaagggcc tggaagaaga attcataaga attcaggcta aagaagagtc agaggaaaaa 120

gaggaacaga tggctgaatt tcagaaacaa aaagaagtgt tactctcctt atttgatgag 180

aaacgtcatg aacatctcta tagtaaaggt gaaagacgat tgtcatacag agcacttcag 240

ggggccttga tgatatattt ttacagggaa gagcctagat tccaggtgcc ttttcagttg 300

ctgacttctc tcatggacat agacacactc atgactaaat ggagat 346

<210> 10144
<211> 412
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (384)..(384)
<223> n is a, c, g, or t

<400> 10144
atgatattgt tgctgtggga cctgagcact tttacgccac aaatgatcac tattttactg 60

atgtctactt gaaatcctgg gagctctatt tgggtttagc gtggtcttat gttgtttact 120

atagtccaac tgaagttcaa gtgatggcag acggatttga ttttgctaat ggaatcaaca 180

tttcacctga cggcaagtat gtctatatat ctgaattgct ggctcataag attcatgtgt 240

atgaaaagca cgctaattgg actttaactc cattgaagtc cctggacttt aataccctcg 300

tggataatat atccgtggat cctgtgacag gggacctttg ggttggatgc catcccaatg 360

gcataaggat cttcttctat gacncggaga atcctcccgc atcagaggtg at 412

<210> 10145
<211> 431
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (369)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<400> 10145
aatgggttgg gtgctacacc accttcnnnt aagctctgtt ttgttccagt ctgaagaaag 60

gccaggccgc cagattgcaa agccacactg acctcacctg aacaagccag atgcttttct 120

gtcttatgtg tcagccacca tccacctctc ctttcacatc aggaaggaca ttcctgaccc 180

tttcttttca ttgtctttat ccnttaagat tcagttcaaa tttccctgta tgaaacaaaa 240

ttctttttg taatccagtc ctaagatttc atgctgtatc tcatatgcag tgtataccaa 300

tgnnnnnnac tttattgtca tattttcttc cattaaaaat taaaaattgg gacgcctggg 360

nngctcagnn ntttagancc tgccttcggc cccagggcct gatcctggag tcctggaatt 420

aagtcccata t 431

<210> 10146
<211> 398

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<400> 10146
aagaaacaca gatctccctg agaataaata ctcgagggat tattcaacct gaaaaacccg 60

ttgttctcaa ggttgagcca agagatggga gtgtaagtgg agcctgactt tcctaaggac 120

ttccccttg ttctttaaga agctggatcc cagaanacca gagacctcaa ttttctttat 180

gagtaaaacc caaaaatgaa gatgggcttc acgtacagcc tgtgatggat gactgggaat 240

tccatacatt catttagctt tctncgatgt ctatgtcaag cattatatat tgtgtaaaga 300

agtgactaat aagtgtcaga catgtagact caacctatcc ggttcacaca gactaccccc 360

ngtttgtacc atctactctc ctgagaactg atcaagaa 398

<210> 10147
<211> 461
<212> DNA
<213> Canis familiaris

<400> 10147
ggtcatcggc cccttgacaa gaagagggaa gaggctccca gcctgagacc tgctcccccc 60

cccatcagtg gaggtggcta tcgagctcgt ccagtcaaac cagtagccag ccaaaagaaa 120

ttagaaagaa aagcccctga tgctgggggc tgtcttcatg ctgacccaga tctgggagtg 180

ttgtgtccta caggatgtca gttgcaagat actttggtaa aacaggaaag gccaatcaga 240

aaaagtatag atgaattaaa taataatgtg gagtctgtgt cccagtcctc ttctagcacc 300

tttcagtata taactctgct aaaagacatg tggaaaaaca ggcagaagca aataagagat 360

aatgaaaatg caataaatga gtattcctca gagctggaaa agcaccaatt atatatagag 420

gagactgtga ccagcaatat tccaactaac cttcgtgtgc t 461

<210> 10148
<211> 206
<212> DNA
<213> Canis familiaris

<400> 10148
ttgcttagag ccgtgtacta ttaacgtgga tcgcatgtac agaaataaca tagagatgaa 60

gtggaagtat gaaggaaaag tcttacatgg agatttaata gattttgtat gtaaacaagg 120

atatgactta tctccatcaa actcattgtc tgaattgtct gtacagtgca atagaggaga 180

agtgagatat cctttatgta ttagaa 206

<210> 10149
<211> 388
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<400> 10149
caaaagcaga aactgtggcc ctcctgagaa tccagctcat ggctattttg aaggggggaga 60

tttcagctca ggatctacca ttacttatca ctgtgaagac ggataccact tagtgggcac 120

acaggaccaa cagtgcattg atggggagtg gaacagtgca cttccagtct gtaaattgat 180

ccaagaaact cccaaacnga ctccacagac tgagtgtgag aagacaattt ttgcctttca 240

gaaggacata gaatattgca aagccataga agactttatg caaagactaa aggaaaatgg 300

cttaacaatg gaggagctaa aacattctct ggaaataaag aaagctgtgt tgttggccaa 360

aatgtcctga cattgtagct gagcagac 388

<210> 10150
<211> 153
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<400> 10150
gtgtgcggtc ttagatctag tgttggaacc accctgggaa catctgatgg cctaacctaa 60

gnaaaaccag agctcctggg gagacgagtg ggataatccc tgcttttatc agctacaata 120

tctttataca atgatgtttg ataatttgct ata 153

<210> 1151
<211> 337
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<400> 10151
ttagaccgag aatccaggtc cccagcttgg tactacatct attataatcc cgcatctaag 60

aaaatgacaa gatagagatc actgcaggga ttttgaagaa ttctaaattt aaagactgaa 120

tttaaagaca gagtccatca tcttaaaaga caacagggtt cctaggagga aagaggattt 180

ttcaaattaa gtggaatatt tgaagtatta gcatttgttt attttanaca ttatattatc 240

acccattaaa aatgcatgat gaagatgtta aaggcataac atactttaag tttcgtacct 300

taagctgaag gtgacctcaa ttctgcacat taacaaa 337

<210> 10152
<211> 451
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<400> 10152
agcgagtact acatcctcac tgcggctcac tgtctccagc aagccaagaa attcacggtg 60

agggtaggtg aacgggacac agacaaggag gagggcaacg aggtggcaca cgaggtggaa 120

atgatcatca agcacaacaa gtttgtcagg gagacatacg actttgacat cgcggtcatc 180

aagctgaaga cgcccatcac cttccgcatg aacgtggcgc ccgcctgcct gccgcagaag 240

gactgggccg agtccacact catgacgcag aagacaggca ttgtaagcgg cttcgggaaa 300

acccacgaga agggccgccc gtccaccacc ctcaagatga tggaggtgcc gtatgtggac 360

aggaacanat gcaagctgtc cagcagtttc agcatcaccc agaacatgtt ctgtgccggc 420

tatgactcga agcccgaaga cgcctgtcag g 451

<210> 10153
<211> 334
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<400> 10153
gacatccctg agatacaaca tcctgcccaa gaaagaaggc aaagttccct tcaatctgaa 60

ggttgatact ttccccaaga attgtgatgg agtagacact cacaggaaat tccagattca 120

catcaacatt agttatactg gggaacgatc aagctccaac atggtcattg ttgacgtgaa 180

gatggtatca ggcttcatac ncgtgaaatc atcagtgaga aagctccaag aaaagcctca 240

gattcaaagg actgaagtga gcaccaacca tgttctgatt tactttgaag agctaaccaa 300

tcaaactctg agtttctcct tctcagtgga acaa 334

<210> 10154
<211> 415
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<400> 10154
agaacatggt gatctccttt ggagatgggg ttactttcnt ggttgtcctg cnccangtgt 60

ggaagaagca ccctgtccac caggactttc tgggcttcta cgtggtggac agtcaccgga 120

tgtcagcaca gacccatggg ctgctgggac aattcttcca acccttgac tttaaagtgt 180

ctgacatcca cccaggctct gaccccacaa agccagatgc cacgatggtg gtgaagaacc 240

atcggctgac ggttaccagg ggctcccaga aagactacag aaaggacgtc aacattggca 300

ctaaggtcgc ctgctggttt gtccacaaca atgggcaagg gctgattgat ggtgtccaca 360

gggactacat catcccagac ctgttctgag tagacatgtc agctcctgtg gaaac 415

<210> 10155
<211> 497
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<400> 10155
gagaagtaaa atgcccattc ccatcaagac cagacaatgg gtttgtganc tatcctgcaa 60

ancaaatcct ttattacaag gataaagcca tgtatggttg ccatgatacg tataccttgg 120

atggcccaga agtagtggaa tgtancaaat ttggaaactg gtctgcacag ncaagttgta 180

aagcatcttg taaattatct gttaaaaaag ctactgtgct ataccaagga gagagagtaa 240

agcttcaaga aaaatttaag gatggaatgc tgcatggtca aaaagtttct ttctactgca 300

agaataagga aaagaagtgt agctacacag aagatgctga gtgcatagat ggcaccattg 360

aaatccccaa atgcttcaag gaacacagct ctctggcttt ctggaaaacc gatgcatcag 420

atgtaaagcc atgctaaact ggttttcaga ttcagaatta aaggccatac tggaatcggt 480

gtctgtccaa ggaacat 497

<210> 10156
<211> 95
<212> DNA
<213> Canis familiaris

<400> 10156
gattattttt attcttctat atgtaacaac gtttttatat attatgtcat tggaatattc 60

tttcacacat tgtatccccc taaaactatc aaaga 95

<210> 10157
<211> 333
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<400> 10157
ctggcaatgc cctcatagaa ggagcttctc anctgtttgg agaganccna anccatgacc 60

atccacancg gcatgtattt cagcacgtnc gacagagaca atgatggctg gatanctaca 120

gatcccaaaa aacagtgtgc tagagaagat ggtggtggat ggtggtataa tagatgtcat 180

gcagccaatc caaatggcag atactactgg ggtggacatt acagctggga catggcaaaa 240

catggcacag atgatggagt ggtatggatg aactggaagg ggtcctggta ttcaatgaag 300

aagatgtcta tgaagatcag acccttcttc cca 333

<210> 1018
<211> 209
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<400> 10158
aggggtccaa acctcggtgc tgcggcncaa gctgccttag tctgaaagaa cccaataacc 60

aacccctca gccttccctg agaataagag aaaaaaagag aaatggagcc ctagagctta 120

ttcatctgtt tttcttttcc tgntggngna aaaccaaccc tctatcttaa gaacncaaat 180

tcttttaaac attttgcctc ttttctctg 209

<210> 10159
<211> 233
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<400> 10159
gagaaaggcc agcagccccc ccttgggggg agccaaacag gctggcgaca tttaaaaagc 60

ccatttcaaa aagtgatctg ctttttttaa aggnctttnc ctgacagaaa aaatataatn 120

ttttcccttt gggacaatgg acttacaaag cctcncttca ttttaagggt aaaaagaacc 180

catgttgaga actccactat cagttttatg ctggtgataa tttatcaaca ggc 233

<210> 10160
<211> 385
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(328)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(340)
<223> n is a, c, g, or t

<400> 10160
gtatcatttg actctttgtg gtctcatcat gtcatctgga agtgtaaata atgagactac 60

nccgttgact tatacacagg gctgcatccc ttctgaacca tccaaggcct cacacaccat 120

ggacagatgc ctctctgcct ctcctgtctt cagcctctcc ctctgtaatc ttactgcctg 180

ttagctaagt ctctgacata gggactgcca tattcagaaa tgtcctcttc tttctgggca 240

aaagcacatt gtgagtcttt tgatcaaaat aagattaaaa tggaaggata tcaagaaact 300

ggggagatgc ctgggtggnt cagngnnnga gcancngnnn ttggctcaga gcattatcct 360

ggattcctgg gttcaagtcc cacat 385

<210> 10161
<211> 594
<212> DNA
<213> Canis familiaris

<400> 10161
gtggaggctc tcaaaaatct ggcagccaga agtggttggg aggttaccag tgtggtggaa 60

aaggtaggag gcatccagaa tgacatttta tctgtttggg ttgagaaaca tgtggaaagg 120

cctgcacact tgacttacca tctcttgtct gactttacca agagaccttt gtgggacccc 180

cattacgtgt cctgtgaagt catagactgc gtgagtgaag atgatcagat atattatatc 240

acttgtcctg tagtgaatgg tgacaaaccc aaagacttgg tagtacttgt atcacgaaga 300

aggcctctca aagatggcaa cacttacacg gtggcagtga agtcggttac tctaccatca 360

gttccacctt ctcctcagta cagcagaagt gaaattttat gtgctggatt tctcatccat 420

gctattgaca gcagttcctg taccgtatca tacttcaacc agatttctgc tagcatctcc 480

ccttactttg ctggaaatct tggtggctgg tcaaaatcca tcgaagagac agcagcctct 540

tgtatacaat tcatagagaa tgctactgat gatgggttga tagacatatt ttaa 594

<210> 10162
<211> 418
<212> DNA
<213> Canis familiaris

<400> 10162
acttaccatc tcttgtctga ctttaccaag agacctttgt gggaccccca ttacgtgtcc 60

tgtgaagtca tagactgcgt gagtgaagat gatcagatat attatatcac ttgtcctgta 120

gtgaatggtg acaaacccaa agacttggta gtacttgtat cacgaagaag gcctctcaaa 180

gatggcaaca cttacacggt ggcagtgaag tcggttactc taccatcagt tccaccttct 240

cctcagtaca gcagaagtga aattttatgt gctggatttc tcatccatgc tattgacagc 300

agttcctgta ccgtatcata cttcaaccag atttctgcta gcatctcccc ttactttgct 360

ggaaatcttg gtggctggtc aaaatccatc gaagagacag cagcctcttg tatacaat 418

<210> 10163
<211> 342
<212> DNA
<213> Canis familiaris

<400> 10163
gtatgagtca ttccagtgag ccatctcact ccccctttc tggtttcagg ttctctaggc 60

aacctttga ttataattag gccttccata ttgaattttc taaagagttg ctgaccaacc 120

tctgcatgta ctttagtgtg ttaggctggc tccctttatg aattaataaa ctgttgttct 180

ggttgatact gtagcttttt gtgaatgtgg ctgatgtgaa tcagtcatcc cacatgttgt 240

tatatatgag actactgaca aaatcatgtt tgggaccact ttgacctgac caagctgctg 300

ccttcacctc acccccagcc aggcatttac tttagtcctt ca 342

<210> 10164
<211> 555
<212> DNA
<213> Canis familiaris

<400> 10164
tgttgaccca ggttttgcgc caccagcctt tcctgggcta ccgcggggca cgagaactgt 60

cggaacgaaa gttggtgcgg gatgtgcggc gcaagggcga cgtttacttc aacaccggcg 120

acgtgttggc catggatgaa gaaggcttcc tttactttcg cgaccgcctt ggggacacct 180

tccgatggaa aggtgagaac gtgtccacgc gggaggtaga gagcgttttg tcactggtgg 240

acttcctgca ggaggtgaac gtctatggtg tgtcagtacc aggttgtgag ggcaaggtgg 300

gcatggctgc ggtgcagctg gcccccggcc agacttttga tggtcagagg atgtaccagc 360

atgtccgcac ttggctccct gcctatgctg cacccattt catccgcatc caggacactc 420

tagcgatcac aagcacattc aaactggtga agtcccgctt ggtgcgtgag ggcttcaatg 480

taggcgtaat tactgacccc ttgttcgtgt tggacaacca agccaaggcc ttccggcccc 540

tgacagtgga catgt 555

<210> 10165
<211> 531
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<400> 10165
caagaaacca gacaccttag ggccaaatac tcggctgtat angtggcttc cccagaatga 60

ccttcttggt catccgaaaa ccaaagcctt tataacccat ggtggaacca acggcatcta 120

tgaggcgatc taccacggga tccccatggt gggcattccc ttgtttgccg atcaagctga 180

taacattgtt cacatgaaag ctaagggagc agctatcaga ctggncttca gcacaatgtc 240

tagtgcagac ttgctngatg cattgaggnc ggtcattaat gacccttcgt acaaagagaa 300

tgctatgaag ttatcnggaa ttcaccacga tcagcctata aagcccctgg accgggcagt 360

cttctggatc gagtatgtca tgcgccanca aggagccaag cacctgcggc cagnctccca 420

tgacctcacc tggttccagt accactcctt ggatgtgatt gggtttctgc tggcctgtgt 480

ggcaactgct atatttgtca ccacacaatg ttgtctgttt tgttgtcgga a 531

<210> 10166
<211> 329
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<400> 10166
gcaggtggag agtcatgctc ggtgtccatg atgtaccagg aaggcaagtt ccgctaccgg 60

cgggtggcag aaggcaccca ggtgctcgag ctgcccttca agggggacga catcaccatg 120

gtgctcatcc tgcccaagcc tgagaagagc ctggccaagg tggagcagga gctcaccccg 180

gaggtgctgc aggaatggct ggatgaaatg acggagaccc tgctggtggt ccacatgcnt 240

tgcttccgca tggaggacag cttcagcgtg aaggagcgcc tgcaggacat gggcctcgtg 300

gacctgttca accccgagaa gtccaggct 329

<210> 10167
<211> 66
<212> DNA
<213> Canis familiaris

<400> 10167
tctgcactgc tgactgacaa ccatggtgcc acatatgcct tcagtgggtc ccactactgg 60

cgtctg 66

<210> 10168
<211> 66
<212> DNA
<213> Canis familiaris

<400> 10168
aggacagcct gccagagtcg gctttctcag tggtccaggt cttccgaagc catgggtacc 60

cgatac 66

<210> 10169

<211> 188
<212> DNA
<213> Canis familiaris

<400> 10169
ggttctgttg cttgtcctcc tggtattggg atttgaggtc caggggccc atgagtccca 60

gcaagatgaa accaccagct ccgccctgct cacccagatg caggaatcac tctacagtta 120

ctggggcaca gccagatcgg ctgccgagga cctgtacaag aaggcatacc caactaccat 180

ggatgaga 188

<210> 10170
<211> 246
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (34)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<400> 10170
gcctgtgttg tggcaagcag cgcccncaga atcnncgagc ccccccccga ggctggtgag 60

tagtccttgg agcctggtgg ccaccaaggt gaaggaggtg gtgtccaggc ccagagagaa 120

gtggcagtgg tttttntggg ccggaggcct tccanggctt tgtgnagacc tacttcgatg 180

accacttgaa ggacctgact ctccgtaccc gggcctggct ccgcagctcc aaagacagcc 240

ttgtga 246

<210> 10171
<211> 320
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<400> 10171
gaaggcaatt cagtgtgatc aactagagaa agcaaaagat aaaaggaacn ccaaagaaga 60

gtctttctcc agcattggca gcagcaacta tcagaactaa ccagccttgc ctggagggag 120

gacaanggag cctccatgaa gagcctcacc catccaccgc ttagagattg gtacttgttt 180

aaaaaaatga agattttgtt caaggacagc cttatgaaag cagaaaccaa aattgccttt 240

tgttcctgaa tttccagcgt tccatagccc taaagggcac tcaacttttg aactaggcta 300

tagaggcttt taccctacaa 320

<210> 10172
<211> 534
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<400> 10172
ttcagttgct gagaccaggc tggctagcct agagagggag ataaggagcc tgaaatcaga 60

actgggccac atcaaaanct tgcaancctt ctccttgggc aaaaagactg gaaagaagct 120

ctacgtgagc ancggcgaaa agatgtcttt ttctaaagtg aaggctctgt gtgccgagct 180

ccaggccact gtggccaccc ctaagagtgc tgaggagaac aaagccatcc aagatgtggc 240

caaggaagag gccttcctgg gcatcacgga caaggtgacc gaaggccact tcatgtatgt 300

gaccggaggg agcctggtct acagcaactg gaggaagaat gagccaaaca accncnggct 360

cgggggagga ctgtgtgatc ctcctccagg atgggttctg gaatgacatc tcctgcgagt 420

cctccttcct ggccgtctgt gaactcccag cctgatgagg cagcttcctc agccccctcc 480

cggcattcct gctgtgctct ctgctgccct gaaagagaat tcatggtccc cttt 534

<210> 10173
<211> 57
<212> DNA
<213> Canis familiaris

<400> 10173
acccctcggt gaccagactt ggaataaaat ggctggttct gtctgctgtt ttccata 57

<210> 10174
<211> 106
<212> DNA
<213> Canis familiaris

<400> 10174
gtgacacagt tttaaggagt tccaggaact aactgctaat caaagagcaa aatagaggaa 60

ggaaaatcag gatcatccgc agatactgga aaactctgta aaataa 106

<210> 10175
<211> 155
<212> DNA
<213> Canis familiaris

<400> 10175
gggccccttt cagaggtctg tgcgtgcagc ctggcctctc tgcaccgagg agccacgtgc 60

caggctctgc cctgctcatc ctttagaagg tgccagtgac tacctggtgg cttccaggga 120

gcctatgggc tttttgatct gaggccctga ggtct 155

<210> 10176
<211> 203
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<400> 10176
aaaatcaggc ccctggagac caggtaggag tggaagtgag agtaatctgt tttctttgtt 60

tagggaggtg aagaagnaaa aaaaaatggg gaagataaag tagttaagat tctttacaat 120

ccactaaaaa aattcacagg tgctatttta ttatttcttg tactgtatct aaatgtaact 180

gagacatatt actgctttaa aga 203

<210> 10177
<211> 237
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<400> 10177
tctcacgcgg gcatgcagtt cagcacgtnc gacagggatg cagaccagtg ggaagagaac 60

tgtgcagaag tctacggagg aggctggtgg tacaacagct gccaagcggc caatctcaat 120

ggcatctact accctggggg ctcctatgat ccaaggaaca acagtcctta tgagattgaa 180

aatggagtgg tctgggtccc cttcagaggt gcagattatt ccctcagggc tgttcgc 237

<210> 10178
<211> 451
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (422)..(422)
<223> n is a, c, g, or t

<400> 10178
agaaagcgcc gagtgcacca tgtcctgagc cccgagggga cagaggcctg cttccagctg 60

cgagatgtct cggtggtaga ctcagccaac tacagctgtg tctacaagga cactgcgcca 120

cccttcgccg gctctgctcc aagctcgagc ttggaactgc gcattgatgg acccccctccc 180

aggccacagc tccaggctct gtggagtggg gctatgattc ctggacgtga tgccatcctg 240

cgctgcaagg gccaggtgcc ggaagtcgtg ccgcacatca cttttgagct gttgcaggaa 300

ggcaaaaagg agccttcaac ccaggtctgg gccacccacc cctcagcgga ccttgtactg 360

acctatgtgg ggccccagca cgcaggcaac tacagctgcc gctatcgctc atggttgccc 420

anccccttcg tgtctgagct cagtgaccca g 451

<210> 10179
<211> 308
<212> DNA
<213> Canis familiaris

<400> 10179
ctacctggta ggcttatccg tctctcctga aaacaccatc tctcagagtg ggttctgcag 60

aaccttcctc tcatgcaaag tgcagacaga ggaagggaaa gtatctgtgg gaaacttagt 120

ttgggaaata atgcgtatct tgacaagtcc tgcagtacgg aaactggtta ttgtgagtaa 180

cacagtgtct tgcaaatgtt accctccact ctcctacctc actttattgt tttcctctat 240

gcttattcca catcctgtgg aattcaagtc catccaaagg aacacaaggc aatccacgtg 300

tgtaattt 308

<210> 10180
<211> 219
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<400> 10180
atgggagaca gagtgattca tcaacatacc tagaagccag aacacgggta gggaatttag 60

catgctcaga aataattgac agtaatcaaa tcaagacact gtacttatac catctactgc 120

caaacctcaa cgtttttag tatnattgtg gataaatgtt tcccgtgcgt ggactgttgg 180

attctgtaat aataagtgac acatctataa catttattg 219

<210> 10181
<211> 166
<212> DNA

<213> Canis familiaris

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<400> 10181
tgatctcaag ccagtgccct ggtgctgcgn anagagangg ganggacggg nagggcaatc 60

cgggcggccc taactgggct caggctgcca cagctcagtt tccaacaggc tgcgtctcag 120

cccggnccag gcctgcgttc ctgtccgagc catggcaaag ctgatg 166

<210> 10182
<211> 423
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<400> 10182
tggcaaagct gatggtgctc accctcttgg ggctgggact agcgctcttc agagatcacc 60

ngggcttcnt tatctaacac gactcaatgc tttccgagaa gtaancccca gtagancttc 120

ctaactgtaa tttagttaaa ggaatagaan ctggctctga agacttggag atacttccta 180

atggactagc tttcattagc tctggattaa gatatcctgg aataaagagc tttgaacctg 240

ataaacctgg caaaatgctt ctagtngacc tgaatgaaga agatcaaaca gtnttagaac 300

tgaagatcat tggaagtaaa ttcgatgagt actcatttaa ccctcatggg attagcacat 360

tcacagatga agataatact gtgtacctgc tggtggtgaa ccatccagat tttaagtcca 420

cag 423

<210> 10183
<211> 556
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (292)..(292)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<400> 10183
tcccacaaca ccaaatcact gtaggtgctc taaaatttta tcagtagttt tgagaaaaga 60

gtttcctctt ccttggtttt gcaaaaganc aagataaatg ctccnttaaa attaaggcgg 120

ggnaaaaaat aaatgaataa aaatttttna aaaaaataag gngggaaggg gctcncnttt 180

ntnttttntn aaaaaaaaaa atgtgtaaga ggctggatnc gaatttggat gcaggatgtc 240

tgnctacccn cctcaagcga cgtgagcaac taggttcttg cagnccctgg gnccccaang 300

ggaaaggtgg ctggaagcgc agcaaacatc cctgccccag tttccatggg ctgcttgcgc 360

ctctccaaac accaccgcgt cctcttggct cccccgttgc taggcaaccg cctagnccgc 420

cgggctgggt cagaccagga cacccccccn gcccgcgccc cgtcactgct cagtgcacat 480

tttccgcgca aatgaatgaa cggctgtagt tatttgcaac aacagatgcg cggcatcgcc 540

aacagctgtg gattgt 556

<210> 10184
<211> 515
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<400> 10184
tggagactct gaccatctgg ccagtccaca anacatctga agtggtagtg cccaatgctg 60

actaccactc ccattgtgca gggtcacctt cccctcaaac ctggtaaagg tcatcatgaa 120

tcccagcctg gccataaccc cagctccaga gtgagatgat gctaggccca gtagtggagt 180

gagaataaac ttggatgtgt acacagatat ctatgtgtac aggggccaag ggcagacagc 240

cccaagattg gtcactttgg cataaagatc attttgtgtt aaaagcatta aaacctgagc 300

aaattcagaa gctttctctc ccaaaaataa ctatgttgat aggaatctag caagggctct 360

ttgatcacat tcttgtcttg tttctgaatg gcccaaagac catttgttta ccgagtattt 420

actctttcat cttcctttaa attgcattct ttcctataaa attcctagac ctctctcagt 480

tcagtatatg tatgccttat tttgcctgtc tttag 515

<210> 10185
<211> 491
<212> DNA
<213> Canis familiaris

<400> 10185
ggtggagacc acagcatggc tattggaagc atctctggcc atgccagggt ccacccagat 60

ctctgtgtca tttgggtgga tgctcacact gatatcaaca ctccactgac aaccacaagt 120

gggaacttgc acggacaacc tgtgtctttc ctcctgaagg aactaaaagg aaagggcata 180

gagttatact ctttattaat tgtaggatta tcttactatc tcctctttca tagctacatt 240

ttgaaaactc tgggtattaa atatttttca atgactgaag tggataaact gggaattggc 300

aaggtgatgg aagaagcact cagctatcta ctaggaagaa aaaaaagacc aattcatctg 360

agctttgatg ttgatggatt ggacccatcc ttcacaccag ctacgggcac accagtcacg 420

ggaggtctgt cttacagaga aggtctctac attacagaag aaatttacaa aacagggcta 480

ctctcaggat t 491

<210> 10186
<211> 75
<212> DNA
<213> Canis familiaris

<400> 10186

aagttgtgaa cccaatggaa gtataattgg gaaataggct gttggctaat tgcatgtgct 60

tgttgcaata ggaaa 75

<210> 10187
<211> 406
<212> DNA
<213> Canis familiaris

<400> 10187
gacacacaat cacaactttc ggctgaatga gcgagaggcg gtcaaagttt ccatgatgca 60

gaccaaaggg aactttctag cagcaaatga ccaggagctg gactgtgata tcctgcaact 120

ggagtatgtg gggggcatca gcatgctaat cgtggtcccg cacaagctgt ctgggatgaa 180

gacacttgag gcacagctga caccccaggt ggtggagaga tggcagaaaa gcatgaccaa 240

cagaactcga gaggtacttc tgcctaaatt caaactggag aagaactaca acctggtaga 300

ggccctgaag tcaatggggg tcacagcact gtttgacaaa gaaagcaata tgaccggaat 360

ctcagaccac aggatcacca ttgatctgtt caagcaccaa ggtacc 406

<210> 10188
<211> 518
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<400> 10188
ggtgctgacg gcagcccatt gcctggagag atcctcgagg cctgcatcat ataaggtcat 60

cctgggtgca cataaagaag tcaatcttga atcagatgtt caggagatag aggtgtacaa 120

gctgttcttg gagcccacac gtgcagacat cgccttgttg aagctgagca gccctgctgt 180

natcacctca aaggtaatcc cagcttgtct gccaccccca aattatgtgg ttgctgaccg 240

gacattatgt tacatcactg gctggggaga aacccaaggc acgtatggtg cggggctcct 300

caaggaagcc cagctgcctg tgattgagaa caaagtgtgt aatcgctatg agtatctgaa 360

tggaagagtc aaatcgacag agctttgcgc ggggaatttg gctggaggca cagacagttg 420

tcagggtgac agtggaggac ctctggtttg cttcgagaag gacaagtaca ttttacaagg 480

agtcacttct tggggtcttg gctgtgcccg tcccaata 518

<210> 10189
<211> 85
<212> DNA
<213> Canis familiaris

<400> 10189
gctgcaatca ttgagaggag ggctcttgag attattctgg cccggcccct tctctctgtt 60

ttcctcacaa taaaaaccac agtgc 85

<210> 10190
<211> 458
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<400> 10190
atgctgcctt ttcctgggac aataaagtct acctaatcca aggcactcag gtatatatct 60

tcctgacnaa agggaggcta tactctagta gatggttatc cgaagaggct ggagaaggaa 120

tttgggagcc ctcatgggat caaccttgag actgtggatg cagcctttac ttgtcctggg 180

acttctcgtc tccacattgc agcaggacga catctgtggt ggctggacct gaagttagga 240

gctcaagcca catggacgga ggttccttgg ccacatgaga aggttgacgg ggccctgtgt 300

atagaaaagt ccctcggccc caactcatgt tctgccaatg gtcccggctt atatctcatc 360

catggctccg atttgtactg ctacagtgat gtggagaaac tgagcacagc caagtccctt 420

ccacagcccc agagagtgaa gagcctcctg ggctgcaa 458

<210> 10191
<211> 543
<212> DNA
<213> Canis familiaris

<400> 10191
gttaaatcag gtagctcatg gacattaatt caacaccgaa tagatggatc acaaaacttc 60

aatgaaactt gggaaaacta cagatatggt tttgggaggc ttgacggaga attttggttg 120

ggtctagaga agatatattc catagtaaag caatctaatt acattttgcg aattgaacta 180

gaagactgga atgacaacaa gcattatatt gaatatttct ttcacttggg aaatcatgag 240

accaactata cattacacct tgttgaaatt actggcaata ttctcaatgc actcccagaa 300

cacaaagatt tggtgttttc tacttgggat cacaaggcaa aaggacatgt caactgtcca 360

gaaagttatt caggaggctg gtggtggcac aatgtttgtg gggaaaacaa cctaaatggt 420

aaatataaca agcaaagagc caaaactaag ccagagagaa gaagaggatt atactggaag 480

tctcaaaatg gaaggttata ctctatcaaa tcaacgaaaa tgttgatcca tccaatagat 540

tca 543

<210> 10192
<211> 251
<212> DNA
<213> Canis familiaris

<400> 10192
acctgaacaa actcctgtgg tccaggagtg ctaccacggc aatgggcaga gttatcgagg 60

cacatcatcc actactatca caggaagaaa atgtcagtct tggtcatcta tgacaccaca 120

ccgacatgag aagaccccag aacacttccc ggaggctggc ctgacgatga actactgcag 180

gaaccccgac gccgacaaaa gcccttggtg ttacaccacc gacccctctg tgcgctggga 240

gttctgtaac t 251

<210> 10193
<211> 478
<212> DNA
<213> Canis familiaris

<400> 10193
gagaaggtca actccatgga ctttggagaa tttgtggatg tgtttgggaa cgtcattgag 60

agatgtcctc tgatcgcggc tgctgtttgg tcccagcgtc cattctccaa cttggaagat 120

ttagagaagc atttttttga cttcattgat gcccttcccc agtcaggccg agagggcatc 180

ctgcgctgcc acccggacct ggcgggccgc gagctgcagc agggcacgct cagcgccgag 240

tctcggcggg agcagagcgg cgcgggcctg gcgagcctgg acgcggacga gcggctccgg 300

ctggcggagc tcaacgcgca gtaccgcgcg cgcttcggct tccccttcgt gctcgccgcg 360

cgtcggagcc accgggcggc cgtgccccgc gagctggcgc gccggctgcg ctgtccgccc 420

gcgcaggagc tgcgcaccgc cctggccgag gtgaagaaga tcggccacct gcgactcg 478

<210> 10194
<211> 410
<212> DNA
<213> Canis familiaris

<400> 10194
tgcaccattg ggatcttcct caaagccaaa cggccacagt atgtacgcta tatcaaaaag 60

ggagggatga tcatcatgct tttgttaagt gtggccataa cagcactgtc tgtcatcaac 120

gtgggcaaga gtatcaggtt tgtcatgaca ccacacttgc tggccacctc ctctctaatg 180

cctttcatcg gcttcctgct gggctacatc ctctctgctc tcttccgcct cgacggacgg 240

tgcagccgca ctgtcagtat ggaaaccgga tgccaaaatg ttcagctttg ttccaccatt 300

ctcaatgtga cattcccccc tgaagtcatt ggaccacttt tcttcttccc tctcctctac 360

atgattttcc agcttgggga aggggttttc ctgatctcca tctttcggtg 410

<210> 10195
<211> 399
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (148)..(148)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<400> 10195
ctgcaaggcc ttagttcacc aacctctttc tgttctcaaa gccattctcc aaataagata 60

tattacagag gggtaggcgc ctgcctctta aatgncaatc tcccctaaca gtcctgcctc 120

cctgacaggc cacctccgag attacggngc tccccaattc tgcacatatt taaaatngct 180

ctggacatta cctcacatgg ctaattgcac ccagtgttga gttactataa attctgagac 240

tatcacagtt ccaaattctc tgaaagccac acgnttcact cagatttaat gattctgaac 300

acagaggctt cctgagtatt ccttgcggac cttttgcatt taagcaactc ctgagactaa 360

tgccatttac attttaaacc ctgtgcgatt agactttgt 399

<210> 10196

<211> 512
<212> DNA
<213> Canis familiaris

<400> 10196
aggagctgca ccgtagcgtg gtcccgcacg ccgccgccag ccccgcgcgc ctcagccgct 60

gcgtgcagat gctgtcgcgc aagctcacgc tcaaggccga ggctctgcac gcgcgcatcc 120

agcagaacct ggaccagctg cgggaagagc tcagcgcttt tgcgggcgcc ggtgctgacg 180

gcgcggatga gggggcggac cccgaccccc agatgctgtc ccaggaggtg caccagcgac 240

tccaggcctt ccgccacgac accttcctgc agatcgccga cttcacccgt gccatcgacc 300

aggagaccca ggaggtccag ttgcagctgg ccccgccccc gccaggtcac agtgccttcg 360

ccccagagtt tctccaagct gacagcagcg aggcccggag caagctgcag gcccgtctcc 420

aagacctatg ggaggacata aactacagcc ttcatgacct tggtctcagt catctagagg 480

agccctgagg gtctacttgt ccaggctcac tg 512

<210> 10197
<211> 141
<212> DNA
<213> Canis familiaris

<400> 10197
agtgaggtct cttgaccagt gggcagaatc gtcacgcctg acacagtagc tccaacaacc 60

tctatcatca ggccccgcat ggaaggacaa gaagatggga taaaatttaa agagaaaaat 120

gccacctact attctgttgc t 141

<210> 10198
<211> 405
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<400> 10198
ctcaagtccc agatcaggga aggaaatgtt ctgttcaaag gtggcaaaac ctggcaggat 60

tgtgactaca aagaatctac ncaagctgcc acgggagaat gctccgcgcc cgtggggaag 120

agagggaaaa cgaagttctc cgtggctacg cagacctgcc aaatcactcc cgccgagggt 180

cctgtggtga cagcccagta tgactgcctt ggctgtgtgc accccatctc aggaggcagg 240

ggcagagcca gagccagcac ctgagagtga ggtctcttga ccagtgggca gaatcgtcac 300

gcctgacaca gtagctccaa caacctctat catcaggccc cgcatggaag gacaagaaga 360

tgggataaaa tttaaagaga aaaatgccac ctactattct gttgc 405

<210> 10199
<211> 247
<212> DNA
<213> Canis familiaris

<400> 10199
ggaatgggct ttattcacct tggaaaacag attcttcaga ggtgggatga gaggaaggga 60

aattattgag caaatattct ctgtcgggtc catgcaaaag tgttaacaca tttacttcac 120

ctataactca catgcaaaag aaaactgatt atgattatga ttttctatgc aaaagaaaac 180

tgattatgcc cattttacag gtggcaaatc ttaaataatt cccaaggaat ctacaacaat 240

gaccaaa 247

<210> 10200
<211> 286
<212> DNA
<213> Canis familiaris

<400> 10200
tccaggctcc caggtattgt tgcagaaggc cggaatgacc tctttgtctc agatgcattc 60

cacaaggcct ttcttgaggt aaatgaggaa ggcagtgaag cagcagcaag tactgttatt 120

gggattgctg gccgttcgct gaaccccaac agggtgacct tcaaggccaa caggcccttc 180

ctggttctta tacgggaagt tgctctgaac actattatct tcatgggcag agtagccaac 240

ccttgtgata actgaagtgt tccattttgg tttgtgatag tagtaa 286

<210> 10201
<211> 114
<212> DNA
<213> Canis familiaris

<400> 10201
aaccaggtac cttagcatcc ctcaggcttg tgtctgaacc ccagaggcca ctcatggagt 60

gggggctgga ttgctgaatg gcaatatttg aaacattaaa gaggacatgt gaca 114

<210> 10202
<211> 397
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<400> 10202
cagacagtgg ccttgcagag cgtgagctca cccaggttgg ccaggagacc gtggtgactg 60

gctggggcta ccgcagtgag actaaaagaa nccgcacctt tgtcctcaac tttatcaaca 120

tccctgtggc cccgcacaac gagtgcatcc aggccatgta caacatgata tctgagaaca 180

tgctgtgtgc gggcatcctt ggggactcac gggatgcctg tgaggggac agtgggggc 240

ctatggttac gtccttccgt ggcacctggt tcctggtggg cctggtgagc tggggcgagg 300

gctgtgggcg cctccacaat tatggcattt acactaaagt cagccgctac cttgactgga 360

tccacagcca cattagaggt gaggaggcct ccctcga 397

<210> 10203
<211> 382
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<400> 10203
ttgtgctgtc ttgatttcga ctgcactggc tggaccatgg gctaatatct gtgctggcag 60

gtcttccaat gagatcagga catgtgacag ccncggttgt ggccagtacn ctgcccaaag 120

aaatcacagg cttcaccagg gtgtggatgt cttgtgttct gatggatcta ctgtgtatgc 180

acctttcacc ggaatgattg tgggccagga gaagccttat aaaaacaaaa atgccattaa 240

taatggtgtt cggatatctg gaagaggttt ctgtattaaa atgttctaca ttaagcctgt 300

taaatataaa ggttctatca agaagggaga aaaactggga actctattgc ccttgcagaa 360

agtctatcct ggcatacagt cc 382

<210> 10204
<211> 223
<212> DNA

<213> Canis familiaris

<400> 10204
tcttcagctt cttctgtaag gatgtcaaac aaggtgcaat cccagtcctc tacctgagct 60

tggcaaagga gctggatggt gtttctggaa aatattttag cagttcctgt atgataactc 120

tccccactga agctgctcag gatcctcaag tggcccaaag cctctggaat gcctcagtcc 180

agctaacgaa cctagacaag atggactgat cctctgtgac ccc 223

<210> 10205
<211> 331
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<400> 10205
actcctgctt tgcatggcca gtcaanaatt cctgaatcgc ttaacaactc tcccacctgc 60

tgcctgaggc atcatgagaa agttttgcca aagaaactgg tggcgggata cagaaaggcc 120

ctcaactgct acctgccggc aatcatcttt gtcaccaaaa agaaccgaga catctgctcc 180

aaccctcaag acaaatgggt ccaagagtac atcaaggatc ccaaaatacc tttgctgcct 240

cccagaaaca tggccagggc taaaagcatt aggtcatagg aaggccacac cacagctctc 300

catgaccatc aggccttggt gggagtccac a 331

<210> 10206
<211> 196
<212> DNA
<213> Canis familiaris

<400> 10206
gaatcagatt aaaaccatct gcaaaaatct atgaagacat cgattactca atctgtgttt 60

tttaaaattt tctatgaatt tcatgatata caaagagtcc taatgtaata tatgtatata 120

ctataggtaa gccctgtggt cctttgattc aatcctgtaa ataattttat taactcattt 180

ttgtgataag actaaa 196

<210> 10207
<211> 85
<212> DNA
<213> Canis familiaris

<400> 10207
tctctattgg taaataaaac tccacatttc cggccatcta tcaatttaat tcattaaaat 60

ggaatcacag ataaatcaat tcagt 85

<210> 10208
<211> 311
<212> DNA
<213> Canis familiaris

<400> 10208
tttggcccag gaacatagcc gccattttgt ccaagtctgg gtatgggtgg gggccttgtt 60

tgctatcgaa gcaggtgcta tgcaggtcta gattaatatc aagtcttcaa tcccaacttc 120

tcttcattct tcagagaatg gaagcagagg ggcaatgtta tgtttcatgg aaggtataat 180

aaggttggca acttgattgt tattgttttg atgctaagcc accaccattg tgttctctcc 240

cttctttgac ctcacaaaaa caattggaac tgtgactttg agaggtgctc ttgccaactt 300

catattttct t 311

<210> 10209
<211> 459
<212> DNA
<213> Canis familiaris

<400> 10209
acatcccggg actggccagc aaggtcttct ccgcgcagaa ggccttcata accctgacaa 60

atgaaatgat ccaggagcac aggaagaccc gggaccccac ccagccaccc cgacacctga 120

tcgacgcctt cgtggatgag atagaaaaag tgaggaggaa ccccaagacc agcttcaatg 180

aggagaacct gtgcatggtg acctctgacc tgttcgtcgc tgggatggtg tccacctcaa 240

tcacgctgac ctgggccctc ctgctcatga tcctgcaccc ggacgtgcag cgacgtgtcc 300

agcaggagat agatgaggtg atagggcggg agcagctacc agagatggga gaccagaccc 360

gtatgccctt caccgtggcc gtgatccatg aggtgcagcg ttttggggac atcgtcccac 420

tcggtgtgcc ccacatgacg tcccgagaca ctgaagtgc 459

<210> 10210
<211> 357
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (86)..(86)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<400> 10210
aaacccaaca acgaatggca ttttgctcag aaaacatgga tgggcaacag ctcccccaaa 60

cccaggagaa aacctttgtg aggtgngaca taaactctca aaaattgaag aggaagatca 120

gatgagcttt catgaagccc cggcgggaag aataaatgat nctgatgcct catctggaat 180

ggttactttc tttggaaacc caagttatat aaacaatctt gcataaagtt taaacaaagt 240

ttagcttcaa gggaggagtg tgtttcacta ttctaaactg aacagtttaa aaaactatat 300

tatgtaacag tattcaaata ttggtgtaac taaaaatttc ccgattgtat ctttgat 357

<210> 10211
<211> 273
<212> DNA
<213> Canis familiaris

<400> 10211
gtaaaaatct cacagctaat gtcataatta gctaatctaa taatttactt aagcttacag 60

ttatcctccc aaagatttgg tctttctgaa aaatgttctg ccttgtaaag tattagtata 120

attaatatga gctaccaatt ccctcttggt gtgaaattca agacttggaa atcctaactt 180

ttgtgtaatt aaaaagacac atagggtggg actcttgata tcaggagata aagatacccc 240

acctgaaaag agaccatatt cccaggttgt tca 273

<210> 10212
<211> 474
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (30)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<400> 10212
ctttgcatag tctttattcc agtttnnacn ntacantccn ntttatncct agaaaaggaa 60

gaaagaagga aagaaataag gaagcaagca ggcaatctaa ggataggggc cagagcctgg 120

ggagcagatg gacgatggac ataagggctt gcaaatgagt cacataggaa accccagcat 180

tcttgcaatc cttatgtgca atgaaaaatc cttaaaataa atacacctcc aaatctctga 240

ataattggat aagnacntcn ttagaattaa aaaaagtttc atttanttca gacctgggaa 300

ttccatgttg atcctatgcc tgcctcattt attcacacat atgcctccac ggaatttgag 360

ttggcagcag gaagtatttt ttttattttc cggagtgtcg cactattacg gacagtcggg 420

tccccaaatg aaagtgactc tgaatgtgaa aggccattcg tttctcattt attt 474

<210> 10213
<211> 247
<212> DNA
<213> Canis familiaris

<400> 10213
tcagcactca gaagaaagag gtccaggtaa aaagcacttt cccttccacc ggagacaaat 60

cggatatgtt taccgactcc ctccactaaa gaaagatgaa gttcttcctc ttcccgaagc 120

caatttcccc agcttctcat tgccagacca cagccatcct ctaaagccag agatccagcc 180

cttccctgaa tcagtttctg aatcatgtcc aggggtattt aagaatgact tttcaaatat 240

ctcaaaa 247

<210> 10214
<211> 128
<212> DNA
<213> Canis familiaris

<400> 10214
gggatattaa taagcacggt gtcgaggaaa cggcagccga atgcagaaaa ctgggagcca 60

ctgtgcatac atttgtggtg gactgcggta accgcgaaga catttataac tccgtaaagc 120

aggtgaag 128

<210> 10215
<211> 289
<212> DNA
<213> Canis familiaris

<400> 10215
ctacttcttc aaggggagac agtactggga gtatgagttc cagcagcagc ccagtcagga 60

ggagtgtgag ggcagctccc tgtccaccgt gtttgaacac tttgccctgc tgcagaggga 120

cagctgggag accttcttct cagaagacaa gtactaccga gtcaaccttc gcacacggcg 180

agtggacact gtgagccctc cttacccacg ctccatcgcc cagtactggc taggctgctc 240

agcccccagc ccccagtagg aatctgagcc tacacagctg atccctcca 289

<210> 10216
<211> 449
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<400> 10216
aaaggaggac gtgtctcctg tccttgctgc tcattggcct ctggggctgt gtggtctgtc 60

cgtggagccc gggggaggac atctgcacag ccaagcctcg ggacattcct gtgaatccca 120

tgtgcattta ccgttcccca gagaagaagg cagttgagga cgagggcgca gagcagaaga 180

tccccgaggc caccaaccgg cgagtctggg aactgtcaag agccaattcc cgcttcgcca 240

ctgccttcta tcagcacgtg gcagactcca agaatgacaa cgacaacatt ttcctctcgc 300

ccctgagtat ctccacagct tttgctatga ccaagctggg agcttgtaac aacaccctca 360

agcagctgat ggaggttttc aagtttgata ccatctctga gaaaacgtcc gatcaggtgc 420

acnttttctt tgccaaactc aactgccga 449

<210> 10217
<211> 218
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<400> 10217
tgctgcgagc tctagcaggt caatttgcac ccccatgcca cagacactgt gagcccgcca 60

tttcaactgc ttgccacttc cctggggcca cagtgatctc atctaaacag tgaatnctga 120

ccctgaattg gacatgtgga aggatgaaag tgctgtttaa ctgggaatgg aatcaatgca 180

taaggctttt tttgaaagta ctgtagcaaa tcagtcta 218

<210> 10218
<211> 333
<212> DNA
<213> Canis familiaris

<400> 10218
agacctatct cttcaagggt agtcagtact ggcgcttcga ggatggtgtt ctggacccag 60

attacccccg caacatctct gaaggcttca agggcattcc ggacaacgtg gacgcagcct 120

ttgctctccc tgctcgcagc tacagtggcc gggagcgggt ctacttcttc aaggggagac 180

agtactggga gtatgagttc cagcagcagc ccagtcagga ggagtgtgag ggcagctccc 240

tgtccaccgt gtttgaacac tttgccctgc tgcagaggga cagctgggag accttcttct 300

cagaagacaa gtactaccga gtcaaccttc gca 333

<210> 10219
<211> 488
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<400> 1219
tggagaacag ctggcggcag caccgggagg ccacggcata tctgcatgag cgcctgcagg 60

ggctgggtct gcagctcttc gngaaggatc ccgccgcccg gctgcccacc gtcaccactg 120

tggccgcgcc cgccggctac gactggagag acatcgtcaa ctacgtcatg gaccacttcg 180

acatcgagat cacgggcggc cttgggccct ccgtggggna ggtgcttcgg atcggcctgc 240

tgggctgtaa cgccacccga gagaacgtgg accgcgtgac ccacgccctg caggaggccc 300

tgcggcactg cccccggcac aagctgtgac ctggccgcct gctgctcccc gacctggagg 360

ggccgagagc aaaggaccct gccagcgggg ggcgggggag caggacagcc gctgccccgg 420

gcgggccagg ctagcgggag ggcgggacgg ccgcggcacc tcctggaaat ggaccctgtg 480

ggctcagg 488

<210> 10220
<211> 489
<212> DNA
<213> Canis familiaris

<400> 10220
atgtactcag tgttcaaccc cagtgaccat gacctggtct tgatccggct gaagaagaag 60

ggggaccgct gtgccatccg ctcccagttt gtccagccca tctgcctgcc tgagcccagc 120

agccccttcc ccgctgggca caagtgccaa attgcgggct ggggccacca ggatgagaat 180

gtgagtggct actccagctc cctgcgggag gcgctggtcc ccctggtcgc agaccacaag 240

tgcagcagcc ctgaggtgta cggagcagac attagcccca acatgctgtg tgcaggttac 300

ttcgactgca agtctgatgc ctgccagggg gactcaggcg ggcccctggc ctgtgagaag 360

aacggcgtgg cctacctata cggcatcatc agttggggtg acggctgtgg gaggcttaac 420

aaacctggcg tctatacccg tgtagccaag tacgtggact ggatcaaaga ccggatatgg 480

ccctctaaa 489

<210> 10221

<211> 351
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<400> 10221
ctcacaccta ctgaagcaat tgaaaagtgt aaaattancc ctgaaggaga agactccccc 60

agagactcct ctataaatgc tgagagtaaa tttcaattta catattccaa aaatgaaatt 120

taccaactat tcttgacaca ttcttctaag aaggaaaaag tgtttctgca tgtgaaagga 180

gtaattcatc tgggaagatt tgtgntgaga agtcgggatg tcatgctgac aaccactttc 240

ttggatgata taaaagctct gccatctacc tatgaaaagg gagaatattt tgcatttttg 300

gaaacctatg gaactcacta tagcagctct gggtctctag gagggtacta t 351

<210> 10222
<211> 536
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(287)
<223> n is a, c, g, or t

<400> 10222
tcgctggact ggtacttgtg tctgaggccn gccctgcggg cactagtgga ncccaagtgt 60

cctctgatgg tcaaagtcct agacgctgtc cgaggcagcc ctgctgtcaa tgtggccgtg 120

aaagtgttca aaaagactgc tgatgagacc tgggaaccct ttgcctccgg gaaaaccagt 180

gaatttggag agctccatgg gctcacgact gttgagaaat ttgtagaagg ggtatacaaa 240

gtggaattag acnccaagtc ctactggaag tcacttggca tttnnnnccg ttccatgaat 300

atgcagaggt ggtgttcaca gccaatgact ctggcctccg ccactacacc atcgctgccc 360

tgctcagccc ctactcctac tccacgacag cccttgtcag caaccccaaa gaatgaagga 420

ctcctccttt ggtggatttg aaggagaaag gacaggattt tgtgtaacca gtagtattcc 480

gtttttatta aagcagtgtt ttcactttat aagctatcct agaaactcgg gcagag 536

<210> 10223
<211> 438
<212> DNA
<213> Canis familiaris

<400> 10223
cttggcttca cagggagaga aaggtgttca agatgtcctt gagatactaa aggaagaatt 60

ccgattggcc atggctttga gtgggtgcca gaatgtgaaa gtcatcgaca agacattggt 120

gaggaaaaat cctttggccg tttccaagat ctgacagtgc acaatatttt cccatctgta 180

ttatttttt tcggcatgta ttacttgaca aagagacact gtgcagagag tgaccacagt 240

ctgcaatccc ccacttcaac acaaagggtg tcgttcttct ccaacaaaat agcaatccct 300

ttgagctcat tgcttttgac ttttcaatgg gtgtcctagg aacctttag aaagaaatgg 360

acttgcatcc tggaaatata ttaactgtta aaaagaaaac attgaaaatg tgtttagaca 420

acgtcatccc ctggcagg 438

<210> 10224
<211> 290
<212> DNA
<213> Canis familiaris

<400> 110224
gagtctacct ctgaggactg catggccaag gagctacctg aatacacagt aaaaatctgt 60

gataacttat ccacaaagaa ttctaagttc aaggactgtt gtcaagaaaa aacgcccatg 120

gacatttttg tgtgcgctta cttcatgcca gctgctccaa cacctgagct gccagccatt 180

gagttgcctg caaatgcgga tgtatgtgat aaaggaaaca ccaaagccat agatcagtat 240

acatttgaat taagtaggag aactcatctt ccagaagtat tcctcagtaa 290

<210> 10225
<211> 400
<212> DNA
<213> Canis familiaris

<400> 10225
ggcggtcctt gtggcagtga cattaacagt gcccattgtc ctgtttccaa ttcgtacatc 60

agtgaccaca ctcttatttc ccaaaagacc cttcagttgg ataagacatt tcttaattgc 120

agccatactt cttgcactca ataatgttct ggtcatcctt gtgccaacta taaaatacat 180

ctttggattc ataggggctt cttctgccac tatgctgatc ttcattcttc cagcagtgtt 240

ttatcttaaa cttgtcaaga aagaaccttt caggtcacca cagaaggttg gggctttaat 300

tttccttgtg gttggaatca tcttcatgat tggaagcatg gctctcatta taattgactg 360

gatttacaat cccccaaatt ccaagcatca ctaacccaag 400

<210> 10226
<211> 438
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (375)..(391)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (393)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(400)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 10226
ggtgttattt tcttgtctcc tgtatgaaag agttctacta gtagctcagc aaggtgtttt 60

gtgattagtc attataacat gctttttgga tacagtttac ttcacaaatg ctaagcagta 120

ttagaatagt cataaatcaa tatttctttt tagttgtctt gcaccttcct gtcttagaga 180

ggttttagaa tcaatttact aagaaaataa tcatgaatta atggacgtgt cgtatcaatt 240

aatttgtgca caaatttaag tgcaagcatt gttttcaacc tactaatgct caaactttgc 300

ttctgggcaa tgcagaaaat gtaatgacaa aatcatattt taaaaactat caccaggggt 360

gcttgggtgg ctcannnnnn nnnnnnnnnn ntntggnnnn ggnncngatc ctggggtcct 420

aggattgact accgcatc 438

<210> 10227
<211> 417
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<400> 10227
tagaaaaatc cacccatcgt ctttgtaagt atttgaggtt tatttgagct tttaaaggag 60

aaggcaccag tattagaagt ncttgagggg aaagaaattn ccaggatttt cttactaaga 120

taatcagtaa tccagcctca tcctgcagtg cacagaaaga gagccaaagc agcacggctt 180

tcagaagctg catgcngctg aggtgcaata aaaggagtgt catttttttc ttacaaagtt 240

gctataagaa ccatttctca ctctcagttt cagtatttca tattccattc acaggtgata 300

gaaactttta ttcaacttaa ctgttctatt actaagtaag atggatgccc ctttaatact 360

cttttcagaa ctttattgcc acactaaact ttatttctat cactcttaca tcctttg 417

<210> 10228
<211> 477
<212> DNA
<213> Canis familiaris

<400> 10228

actggactcc gtcttgtttg acaaacaaga attccctgat ccagagaagt tcaagccaga 60

gcactttctg aatgaaaacg gaaaattcaa atatagtgac tacttcaagg cattctccgc 120

aggaaagcgg gtgtgtgttg gagaaggcct ggctcgcatg gagctcttcc tgttcttgtc 180

cgccattttg cagcacttta acctgaagtc tctcgtcgac cccaaggata ttgacctcag 240

tccctgcaca atcgggtttg ccaagatccc cccccattac aaactctgtg tcgttccccg 300

ctcgggctga agacccccgg gccccaggct ctttggtgca aacctggagt cttcctgctt 360

ccgcatatcc ctttaatgcc tccaggaaga ccctccctgc acagtctggt ggaggcactc 420

agggtttcac agggaataaa ttggtcctga gatgctgctt ttcagagtca cactcat 477

<210> 10229
<211> 71
<212> DNA
<213> Canis familiaris

<400> 10229
ggccgacaaa ggtgagtgtg tccccggcga gcaggagcca gagccttctc catacatgag 60

agcccggcgg g 71

<210> 10230
<211> 242
<212> DNA
<213> Canis familiaris

<400> 10230
tacatggacc agcaaggcat tgacgtcttg tactcgggct cccagaaggt cctgaactcg 60

cctccaggga cgtccctcat ctccttcagt gacaaggcca agagtaagat ctacgctcgg 120

aagacgaagc ccgtctcctt ctacctggac atgaagtggc tggccaacat ctggggctgc 180

gacgaccagc ccagtgtgta tcatcacacc accccggtca tcagcctgta cagcctgagg 240

ga 242

<210> 10231
<211> 247
<212> DNA
<213> Canis familiaris

<400> 10231
gatactttca agtccaagtt ccaagtgagc aagagcaggt cggtgaaagt gcccatgatg 60

aaccttgagg acgtgtgggt gccttacttc cgggacgacg cgctgtcctg cacagtagtg 120

gagctccagt acaccagcaa cgacagtgcg ctcttcgtcc tccccgacga gggcagaatg 180

gaggcagtgg aggccatgct gctcccagag acgctgagga ggtggacaca ctccctgcag 240

atgagga 247

<210> 10232
<211> 553
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<400> 10232
gggcgacagc cacagctccg agaaagcctg ctggaggagt tcagggaggt cgccttgggt 60

gtgggcatcc ccgcggacgc tatcttcacc atggccgaca aaggtggatg ctccccaccc 120

cacctcacat ttctgtcccc tcctcattct tcacagcccc cagagaacgc cttcccagcc 180

cctggcaccc aggctggcac cgggcccacc gcgacacnca gtcggtgctg ccgccggccc 240

cccgcagatg cctgccagct ggaccacgcg gaaggcccct gcctggggat ggtcaccagg 300

tatttctaca acggctcctc catggcctgt gagaccttcc agtacggcgg ctgcctgggc 360

aacgggaaca acttcgcctc cgagaaggag tgtctgcaga cctgccgcac cgtggcggcc 420

tgcagcctcc ccatcgtccc cggcccctgc cgaatgcacc acagcctctg ggcctacgac 480

gccgtccagg gcaggtgcgt ccgcttcgtg tacgggggct gccaaggcaa cggcaacaag 540

ttctactcgg aga 553

<210> 10233
<211> 411
<212> DNA
<213> Canis familiaris

<400> 10233
aaagtcaatg tccagtttct ccgttcgaac attgggattg tttcccagga accagtgttg 60

tttgcctgta gcataatgga caatatcaag tatggagaca acaccagaga aattcccatg 120

gaaaaagtca tagaagccgc aaagcaagca cagctgcatg actttgtcat gtcactccca 180

gagaaatatg aaactaatgt tgggtcccaa gggtctcaac tatctcgagg agagaaacaa 240

cgtattgcta ttgctcgggc cattgtacga aatcctaaaa tcttgctact agatgaagct 300

acttctgccc tagacacaga aagtgaaaag acggtgcagg ttgccctgga caaagccaga 360

gaaggtcgga cctgcattgt catcgctcat cgtttgtcta ccatccaaaa c 411

<210> 10234
<211> 498
<212> DNA
<213> Canis familiaris

<400> 10234
aatcgctact gactacacgg acaagaaccg cctagagctg gaaaagtggc tgaagaagat 60

gccaggggcg tttgactggt ccccagtggt gaaatatgtg tgtgagcttg agggggacag 120

ggacaagtgg gctgagaagg aggagcggct aaggagaact gtccgccggg tactcaagtg 180

tgacgttggg aaagaacggc ccctggaacc cgcagtcctg cccctggcgg actgcctcct 240

ttcctctcta tgtcttgagt ccgcctgcgg caccctggag gccttccgag acgccctgcg 300

ccacctcagg cccctgctcc ggcccagggg ccatctggtg ctgaccggga gctttgactg 360

caccttctac atggtgggag actcgagatt cactgtactg ccactgaagg agaaggtcct 420

gcgtgaagtc ctgcaggagt ccggcttcac catcgagagg ctggagaagg ctcagcgagg 480

acccgagacc gtcttgga 498

<210> 10235
<211> 84
<212> DNA
<213> Canis familiaris

<400> 10235
aggtgctggt gtggcccacg gaatacagcc actggatcaa tgtaaagaca atcctggatg 60

aacttgtcca gaggggtcat gaag 84

<210> 10236
<211> 552
<212> DNA
<213> Canis familiaris

<400> 10236
tgcactcagt acatcagaca cgggtccaaa cctatgtata cacctgaacc tgacatctgc 60

catgagctgt tgggacacgt gcccttgttt tcagatcgta gctttgccca gttttcccag 120

gaaattggcc ttgcttctct tggtgcacct gatgagtata ttgagaaact cgccacaatt 180

tactggttta ctgtggaatt tggcctctgc aaacaaggag actccataaa agcatatggt 240

gctggactcc tatcatcttt tggtgaatta cagtactgct tgtctgacaa gccaaagctt 300

ctccccctgg agctggagaa gacagccatc caggagtaca ctgtcacaga gttccagccc 360

ctgtattacg tggctgagag ttttaatgat gcaaaggaga aagtaaggaa ttttgctgct 420

accatcccac ggcctttctc agttcgttat gacccataca ctcaaagaat tgaggtcttg 480

gacaatacgc agcaacttaa aattttggcc gactccatca acagtgaagt tggaatcctt 540

tgtagtgccc tc 552

<210> 10237
<211> 504
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<400> 10237
tctcccttta gctgacctta tttaganccc ttacctgcaa atgcttttag agcctcatta 60

tacatgattg ccagataaat aggggtactt atctcacacg gagaggttta caatatactc 120

cactaatggc ccagggtcag ggaaagaatt ggaccagaga aatgaggata tgcctcctct 180

agttttgagg gtgcctcggg gtggcacagg gtgacgaagg tagagtccct caccatctcc 240

taatttaggc atttggggac tgctcacctt ctgagctcat tccccacctg catcttcgcc 300

cctgctgaga ctgcagcccc atcccatgaa atgaaaagaa cagaggtttt ggcgtcggaa 360

gacatggact ttggtacttg gctcttagct tagttgctct tgtgatgtca ggtgtgttgt 420

taataccaca gagccttgtg tccccatctc tgaaatggaa ataataaccc acctccccag 480

ggcagttgtg agaccccaaa gaga 504

<210> 10238
<211> 334
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<400> 10238
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agggcttcaa tgctgacagg aagtgtcagt gtgacgagct ctgctcttac taccagagct 120

gctgcgagga ctacgtggcc gagtgcaaac cccaagtgac tcgtggggat gtattcgctc 180

tgccagaaga tgagtatggg gntcattgac gatcatgagg ggaccagaga acagancgtn 240

ctcacacagc tggagagtac caccctgagc cctggcctac angcccagtc tgaanagntt 300

nctgnccang tacctattct gatccctgag gaag 334

<210> 10239
<211> 232
<212> DNA
<213> Canis familiaris

<400> 10239
tcgtccaagt caccagggct tctagtcagt gggtgtatgg ccctgcgtac ttcgtggaat 60

acttaatcaa agagtcacca tgtaccaaat cccaggtcag cagctgtgca cttcagcccc 120

ctgactctga gcctgttggt atttgcaaag gttctctggg tcaaagagaa ttagaaaagt 180

tcgtctccgt gacttgtcac ttctttgaac cacaggttcc tgcacctgga ga 232

<210> 10240
<211> 216
<212> DNA
<213> Canis familiaris

<400> 10240
aattagccag cttaccaaca tgggacccac ggaacttctg attgaaatgg aggactggaa 60

aggcgacaag gtgaaggccc tctatggagg attcactatg cagaatgagg ccaacaaata 120

ccaactctca gtgagcaaat ataagggaac agctggcaat gccctcatag aaggagcttc 180

tcaactgttt ggagagaacc aaaccatgac catcca 216

<210> 10241
<211> 212
<212> DNA
<213> Canis familiaris

<400> 10241
ctgcagagca gatttgtcct atgatataga agtctctgac ttagaaagtc caaaagacat 60

tgccataaac tgtgaagtct tcaactttgc ggtgggttgc ttaagtagtc tttgtgatga 120

gcagtgccag actaagaaat attttcacac acatagtgtg ttttgttcct atggctctgg 180

ggggtgtggt aaacaccacc attttggcca tc 212

<210> 10242
<211> 573
<212> DNA
<213> Canis familiaris

<400> 10242
cctgctttct gcttatggtt cataggccat aatcgaatgt ggagaaagaa ccggtcctat 60

catgaaaata atcgttgcat cggaacagac ctgaacagga actttgcttc caaacactgg 120

tgtgaggaag gtgcatcaag tctctcatgc tctgaaacct actgcggtcc ttaccctgag 180

tcagaaccgg aagtgaaggc aatggctaat ttcttgagaa aaaacatcaa ccacattaag 240

gcttacatca gtatgcattc ctactcccag cacatagtgt ttccatattc ctataataga 300

agcaaaagca aagaccatga ggaactgtcc ctagtggcca gtgaagcagt ccgggctatt 360

gaaaatacta ataaaaatac cagatatact catggcagtg gttcagaaag tttatatcta 420

gctcctggag gttcagatga ctggatctat gacttgggca taaaatactc gtttacgatt 480

gaacttcgag atacaggcag atatggattc ttgctgccag agcgtttcat caaacccact 540

tgtgcagaag ctctcgcagc tatctctgaa ata 573

<210> 10243
<211> 377
<212> DNA
<213> Canis familiaris

<400> 10243
ttttggcgat gaccctagtg ataaattctt cacatcccac aatggcatgc agttcagtac 60

ttgggacaat gacaatgata agtatgaagg aaactgtgct gaacaggatg gatctggttg 120

gtggatgaac aagtgtcatg ctggccacct caatggagtt tattaccaag gtggcgttta 180

ctcaaaaaca tctactccta atggttatga taatggcatt atttgggcca cttggcaatc 240

ccggtggtat tccatgaaga aaactaccat gaagataatc ccattcaaca gattaaccat 300

tggagaagga cagcagcacc accttggggg agccaaacag gttggaccag aacaccatgt 360

tgaaatacac tatgatt 377

<210> 10244
<211> 383
<212> DNA
<213> Canis familiaris

<400> 10244
actggaacca cagaattttg gttgggaaat gagaagattc atttgataag cacacagtcg 60

gccataccat acgcattaag aatacagctg gaggactgga acggcagaac cagtactgca 120

gactatgcca tgttcaaggt gggacctgaa gctgacaaat accgcatgac gtatgcctac 180

tatattggtg gagatgccgg agatgccttt gatggctatg attttggcga tgaccctagt 240

gataaattct tcacatccca caatggcatg cagttcagta cttgggacaa tgacaatgat 300

aagtatgaag gaaactgtgc tgaacaggat ggatctggtt ggtggatgaa caagtgtcat 360

gctggccacc tcaatggagt tta 383

<210> 10245
<211> 448
<212> DNA
<213> Canis familiaris

<220>
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<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
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<222> (77)..(77)
<223> n is a, c, g, or t

<220>
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<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<400> 10245

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cntttgancc ncanggntcc tgcacctngn agaggaaaat gcttctgcta gccagggacc 120

tgtggacctc cctggggtgg gagagttcca gcagaaaaac ncagctccta ccaactcacc 180

ctccaaagct gtgcctaagg gatctgtcca anatctccct gacttngatg atgagaagaa 240

gcctgagggt gctcaggaaa acagccctgt cgaggccttc cctgtgaagc tagatctcac 300

cacagatcct cagggagaaa gcctggatgt ttccttcctt ttcctgggac ctatggagcg 360

gaagctggtt gttctgcctt tccccaacaa agaacaacgc tctgctgagt gcccaggacc 420

agcgcagcag ggcaaccttc ttattctc 448

<210> 10246
<211> 389
<212> DNA
<213> Canis familiaris

<400> 10246
actcatcacc aacctgtcgt cagtgctaaa ggacgagaag gtctggaaga agcccttccg 60

cttctacccc gagcacttcc tggacgccca gggccacttc gtcaagcatg aggccttcat 120

gcccttctct gcaggccgcc gcgtctgcct cggggagccc ctggcccgca tggagctctt 180

cctcttcttc acctgcctcc tgcagcgctt cagcttttca gtgcctgcgg ggcagccccg 240

gcccagcgac cacggggtct tcaccttcct gaaggttcca gccccttcc agctctgtgt 300

ggagcctcgc taggggcagg aaccaccacc ccccgccgcc cggctcctca gcaggggccc 360

gaggtacaat aaaccagttt ggtggctcc 389

<210> 10247
<211> 140
<212> DNA
<213> Canis familiaris

<400> 10247
atgtcacccg attcaaggac acctactttg tcactggcat tgtcagctgg ggagaaggat 60

gtgctcggaa ggggaagtat gggatctaca ccaaggtcac caacttcctc aagtggatcg 120

ataggtccat gaaagctagg 140

<210> 10248
<211> 355
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<400> 10248
aaaaaggagt agtcgtatct gaggcntcca gctggtctnc ctcctagacg ggctcctccg 60

gtttctgcca gcaaggagtt atgatgcaaa gttcccnncc ctgtgaagaa acnactcctn 120

ncaacttngn ttctgagatc aacatctgct ctcaagggat ttattgcctg tttaagagtc 180

agaaatatgt catgccaana gaaaaactgg caaantaaaa ttaaattnaa ataaaactct 240

angggaattt acagaaactn attattctaa ntgnaaagtn atccccctcc aaaanttact 300

gagcttacct gtgtttccaa cattgggcat gaatatcaga acattaagta ggcta 355

<210> 10249
<211> 111
<212> DNA
<213> Canis familiaris

<400> 10249
gatcatgcac acatggatct tcagctaaga attgcttctt tctcgcagaa gtgtgaactc 60

tttccagggg aagattttgt acaaccacct tccaggattt gccttggctg c 111

<210> 10250
<211> 107
<212> DNA
<213> Canis familiaris

<400> 10250
ccttggtcat ggaggtcaac gggaacttga ctttgatctt gaacaccaaa ggagacatgg 60

ccttggccat ggacatcaaa ggggacatgg cttagcccat ggacata 107

<210> 10251
<211> 565
<212> DNA
<213> Canis familiaris

<400> 10251
tcaaaagcaa catggccttg gtcatggagg tcaacgggaa cttgactttg atcttgaaca 60

ccaaaggaga catggccttg gccatggaca tcaaagggga catggcttag cccatggaca 120

taaatatgag catggtcatg gccatgaaaa atataaaaat aaaagaaaag acaatggaaa 180

gaacaatggt cggaaaacag agaatttggc aggttctcct gaagatagta ctacctcttc 240

tgcacagaca caagagaaga cacaagggcc aacaaccctc ccttccctag cccagccagg 300

tattgcagtt accatgcctg actttcagga ctcagatctc tttgcagctg tgatgcctaa 360

cataccacca actgccacag agagtgatga tgattggatc cctgacatcc agataaagcc 420

aaacagcctt tcatttaacc tgatatctga cttcccagaa caaacctccc ccaaatgtcc 480

tggacgcccc tggaagccag ttcatggaat gaatccaact gtggaagtga aagaatttca 540

tgatttcgat ctctctgatg ctttg 565

<210> 10252
<211> 484
<212> DNA
<213> Canis familiaris

<400> 10252
ggatgtacag agatgcctcg ggtttaatct ggatttttct ctggaagctg gagttgaaat 60

cagtggaaag cttaataaag atgattgttt aaagaggggt gaaggtgaaa ctgtaaacat 120

cagtagtgat ggcatcattg atgatgttat ttcactgata agaggaggaa cccaaaaata 180

tgcatatgaa ctgaaagaga agcttctcaa aggagccaag acaattgata taactgactt 240

tacaaattgg gccacttcct taaatgatgc tccagtgctc ataaatcaca aactatctcc 300

tatatataat ctgattccag tgcaaataaa agatgcacac ctaaagaaac aaaatttgga 360

aagtgccatt gaagattaca tcaatgaatt cagtgtgaga aaatgcgacc agtgcaaaaa 420

tggaggtacc ataattctgc tagagggaga atgtctgtgt tcctgcccaa tcgaatttac 480

gggc 484

<210> 10253
<211> 368
<212> DNA

<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<400> 10253
gtcctgaacc ggttgtgtgt gttgcncgag aagaccccag tgagcgagag agttnccaaa 60

tgctgctcag agtccttggt gaacagacga ccatgctttt ctggtctgga agtcgatgag 120

acctatgttc ccaaagagtt taatgctgaa acattcactt tccatgcaga tttatgcaca 180

cttcctgagg ctgagaaaca agtcaagaaa caaactgcac ttgttgaact gctgaaacac 240

aagcccaagg caacagatga acaactgaaa actgttatgg gagattttgg agcctttgta 300

gagaagtgct gcgcagctga aaataaagag ggctgctttt ctgaagaggg tccaaaactc 360

gttgctgc 368

<210> 10254
<211> 325
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<400> 10254
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ctgaaggtgg gagtggggcc agagtgaagc cagatgtgac cgaactctgc ttggatggct 120

ggagctttga tgctaccacc ctggatgaac atggggccat gctgtttttt aaaggggagt 180

ttgtgtggaa gagtcacaga tgggtccggg agctaatctc agagaggtgg aggaatttaa 240

ccagccccgt ggatgcggcc ttccgccgtg gtcacaacag tgtcttnctg ctcaagggag 300

acaaagtctg ggtgtatcct cctga 325

<210> 10255
<211> 374
<212> DNA

<213> Canis familiaris

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(343)
<223> n is a, c, g, or t

<400> 10255
aaggactcta gttcattgac aacgaatata atggaacttg tgagagggga ttttgccact 60

gccaacaata atgataatac atatagccaa gtgtcagaag atctgagaag caaaattgag 120

atcctgaggc gcaaagtcct agaacaagta caacacatcc accttctaca gaaaaatgtc 180

agggatcagc tggtagatat gaaacgacta gaggtggaca ttgatattaa gatccgatct 240

tgccaagggt catgcagtan ggctttagag cgtangacag atctaaagta ctatgaagat 300

caacagaagc aacttgnaca agtcattgcc aaanacttac ttncacctaa agacaggcaa 360

tacttaccac tgct 374

<210> 10256
<211> 52
<212> DNA
<213> Canis familiaris

<400> 10256
aagacacacg ctaatgcatg cccggagtca ataaagacat ggctcccaca ga 52

<210> 10257
<211> 426
<212> DNA
<213> Canis familiaris

<400> 10257
ttggcatcta ctgcatccag ttcatctcta tggtctttgg tgggcagaag ccggagaaga 60

tttcagccgt gggaaggcgc tatgaaacag gtgtggacga caccgtcact gtgctcctcc 120

agtacccagg agggatccat ggcagcttta cctgcagcat ctctgctcag ctctctaata 180

tggcctttgt gagcggtacc aagggcatag gccagatcct tgacccttgc tggtgcccaa 240

cggagctggt gttgaaggga gagcataagg agttcccact gcccccggcc ccaagcaagg 300

agttcaattt tacaaatgga gcaggcatgg cttatgaggc caagcatgtc cgggagtgcc 360

tgcgaaaggg cctgaaggaa agtcctgtga ttcccctggc agaaagtgaa ctcctggctg 420

acatcc 426

<210> 10258
<211> 138
<212> DNA
<213> Canis familiaris

<400> 10258
gacaaatttc ttcctgaacg tgccttggca gctataaatc atttacagaa cattcaattt 60

gaagcagtga ttggccacaa aaccagaatg aaatgaataa ttaatgtccc accagagatg 120

tatgcacctt aatgatgt 138

<210> 10259
<211> 567
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (526)..(526)
<223> n is a, c, g, or t

<400> 10259
ggtctagtcc gtgaactcag ctgggaaacg tcactggtaa aaatgactga agagcccata 60

aaggagatcc tgggaacccc aaagtcttcc aagccactga caatggagaa gagccccacc 120

agcgaagtgg tggtcaccac agtccccttg gtcagtgaga ttcagttgac ggctgctaca 180

gggggtgctg agctctcctg tnaccgctgc atcatcccct tcgccgtggt ggtcctcatc 240

gctgggatag tagtcactgc tgtggcttac agcttcaatt cccacggctc catcatctcc 300

atcttgggtc tggtcctcct gtcttctgga ctgtttctgt tagcttccag tgccctgtgc 360

tggaaggtga ggcagaggag caagaaagcc aagagacggg agagtcagac ggctcttgtg 420

gcaaatcaga gaagcttgtt tgcttaagac tgaatgagac caaatgggat atgtggcctg 480

aaaatctccc tctcactgtg tcgtccaatt cacccagaac tagggntggg agagaatgaa 540

cagtgcattg cagcagacca gagggat 567

<210> 10260
<211> 530
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<400> 10260
taatgggatg actggagccc ctggtgttgc tggagagcgt ggagaaaagg gagagcctgg 60

cgagaggggc cccccaggac ttccagcttc tttagatgaa gagctccaaa ccacactcca 120

cgacctcaga catcaaatcc tgcagaccat gggagtcctc agcttgcacg agtccctgct 180

ggtggtggga aggaaggtct tctccagcaa tgggnagtcc attaatttca acgacattca 240

agagttatgt gccggggcag gcggccaaat tgctgccccg atgagcccag aagagaatga 300

agccattgca agcattgtga agaagtataa cacttacgcc tacctgggcc tggtggagag 360

ccccgactct ggagacttcc agtacatgga tggggcccct gtgaattaca ccaactggta 420

ccccggggag cccagaggtc ggggcaaaga gcagtgtgtg gagatgtaca cagatgggca 480

gtggaataac aaaaactgcc tgcagtaccg actggccatc tgtgagtttt 530

<210> 10261
<211> 553
<212> DNA
<213> Canis familiaris

<400> 10261
ccagtcggag ctgatggtga ccccagccca gggaggagct ccccacccca ccttctcctg 60

tagcttcagc cctggccttc cccggcgtcg agccctacat gcggccccca tccagctcaa 120

cgtctgggag tctgtgcctc tggaagtcca agtgatggta gagccaggtg gaatgctagc 180

tcctggtggt actgtgaccc tgacctgtga aactcctgcc caatcctctg ttcaaatcct 240

ctctgaggtg aagcctgagg accaaggaac ctacagctgt gtggccatgc atcccagcca 300

cgggtcccag gaaagccgtg gtgtcagtgt cgtcattgaa actgacaaag aggggccaac 360

cacaggctat gtggaagggc aggggctggg aactgtcgcc ctggccctgg ggatcctagg 420

aggcctgggg atagctgtcc tgctcatcgg ggccatcatg tggcgaagac ggcaacgcca 480

aagacaggag aggaaggccc cagaaaacca ggaggaggag gaggaggagg agcgcacaga 540

gctgaatcag tca 553

<210> 10262
<211> 532
<212> DNA
<213> Canis familiaris

<400> 10262
aggaggtctt gatcgagagc ccgccggact actcagcagc tccccggggc cggttgggca 60

tcccctgctt cccttcgtcc ctcaaacgcc tgctcatcat cgtagtagtg atagtccttg 120

tggtcgtggt gattgtcggc gctctgctaa tgggtcttca catgagccag aaacacactg 180

agatggtcct agagatgagc atgggggggc cagaagccca gcagcgcctg gccctgcagg 240

agcgtgtggg caccactgcc accttctcca ttggctccac tggcatcgta gtgtatgact 300

accagcggct cctgattgcc tataagccag ccccgggaac ctgttgctac atcatgaaga 360

tgactccaga gaacatccca agtcttgagg ctctcactag aaagtttcag gacttccagg 420

taggtgtcaa gccagccgtg tctacctcta agctgggaca ggaggagggc catgatgctg 480

gctcagcatc ccctggggat cctctggact tcctgggcac cacagtgagc ac 532

<210> 10263
<211> 326
<212> DNA
<213> Canis familiaris

<400> 10263
gaaggtaacc atcgacagtg gctacgacgt ggcgcagatc tcccgacacc tggacttcat 60

cagccttatg agctatgact ttcacggagc ctggcgtcag accaccggac accacagccc 120

cctgttccga ggccagatgg atgcaagttc tgaccgattc aacaatgctg actatgccgt 180

gagctacatg ctgaggctgg gggtcccagc caataagctg ctgatgggca tccccacctt 240

tggaaggagc ttcactctgg cctcctctga gaccggtgtg ggtgccccca tctcagggcc 300

gggattatca ggccagttca ccaagg 326

<210> 10264
<211> 522
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<400> 10264
acatctggtc ggtgtctcca tgaggtcaga gggccggctg gtnccgcagc atggtgnagg 60

ccggcctacc ctaatcattg gcatgtacca tccnctgcct tgagtctcag gttgcctctc 120

atctcctgac ctaaaagcag ccagtctaca ccctagggaa gatctcaccc ccancctcag 180

acataatcca agtaatttcc tgctgataga catgtcccca caccaatccg gatctcagtg 240

aggtgttcac atccctcacc ccaccactgn ctgtttactg agcacgtaaa tagcgtaagt 300

gccccaattc tatgtacgca gaaccttgcc aacactccta atacatttta tggaatatga 360

ttcatcttta cacaatgcca tgggcccagc ctgattttcc ccattcttat gtgaggaccc 420

aaacttaaag aagttaaatg ttttgaattt tattccttgg agcaagtggc agaggctgtg 480

ttcaaaccta tctgcctgga cctgaagctc atgctcataa cc 522

<210> 10265
<211> 352
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (28)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<400> 10265
agctcagctc cggtgcacaa gcgggtanna ggggggccct gggcagctgg ggcctgggga 60

gggcagagcg cgggacacna gctcagcaac cccttcggat tcgtgaaaat gctcgatggc 120

cccagcccca cacggaggtg ccttcgaccc cctccccagg cgtccttgcc aaagaaggcc 180

atttggccag tgctgcccca cgcagccaag cacgtcccac gaagcagccg ccgcacgaat 240

cgccctctca gggcccaact tgaaaccctg cggccaggaa catgaccatg tcccaccact 300

tccccttcct aattccgcag ccgcggctca ataaagcacc agggctttcg cg 352

<210> 10266
<211> 189
<212> DNA
<213> Canis familiaris

<400> 10266
tcttctacat ctaggacccc tcaggaccca cggaggcccc aggtgaggag ggaagatcca 60

cgctcaaagg gtctttggca gagacgcggg aagctgctcc tgcccacacc acggggacca 120

gcgctggcga aatgggagct gtggggagag gtgggagcgg gcaggagctg cggctcctgg 180

gcacacggg 189

<210> 10267
<211> 243
<212> DNA
<213> Canis familiaris

<400> 10267
tgaagctcgc tgtcatcctt gccctggtca ccctggctct ctactgcagc cctgcttctg 60

cagagatctg ccagaacttt ctaaatgtca tcaaagccct cttcctggac acgccttcca 120

gttaccaggc tgcacttgaa tttttcaacc cagacgcaga catgaaagat gcaatgatcc 180

agctgaagag tctggtggac accctcccct caaacaccac cgagaacatc ctaaagttca 240

cgg 243

<210> 10268
<211> 597
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (484)..(484)
<223> n is a, c, g, or t

<400> 10268
acacaggatc tctctgagca gcagttgccc atccccctcc catactgctg gctctgcagg 60

actctgatca agcggatcca agctatgatt cccaagggtg tgctggctgt gactgtgggc 120

caggtgtgcc acgtcgtacc cctggtggtg ggcggcatct gccagtgtct ggccgagcgc 180

tacactgtcc tgctcctgga tgcgctgctg ggccgcatgc tgccccagct ggtctgcggc 240

ctcgtcctcc ggtgctccca cgaggacagc gctgggccag ttttctctct attcctcnca 300

gctctggcgt ctctgcccag tgaatggtca ccccaagagt ccaagtgcca gctctgcatg 360

tttgtaacca cccaggcagg gaaccacagt gagcaggcca caccacaggc aatacgccag 420

gcctgcctca gctcctggct ggacagacag aagtgcgagc agtttgtgga gcagcacatg 480

cctnagctgc agaccctagc atccgggggc agggatgccc acaccacctg ccaggccctg 540

ggggcgtgta ggaccacgtt cagtcctctc cagtgtatcc acattcctca cttctga 597

<210> 10269
<211> 202
<212> DNA
<213> Canis familiaris

<400> 10269
ccaagaagcg gctgacgctg agcgagatct gcgagttcat cagcggccgc ttcccctact 60

accgggagaa gttccccgcc tggcagaaca gcatccgcca caacctctcg ctcaacgact 120

gcttcgtcaa gatcccccgc gagccgggca acccgggcaa gggcaactac tggacgctgg 180

accccgagtc ggccgacatg tt 202

<210> 10270
<211> 106
<212> DNA
<213> Canis familiaris

<400> 10270
gcagcagttg ctgagatcca gccttctcca ggccctgcat tgcggcgacg ggtatgggaa 60

cctcttcacc actaactcca tctgcaaggc tcaataaaga caaaat 106

<210> 10271
<211> 310
<212> DNA
<213> Canis familiaris

<400> 10271
gtaagtgtac ttttgctctt taatataggc tttaatcact agtacgatga tcataaaatt 60

tgtagatatt agatttaacc cagctacagc aggcctatat taatttcaat tctaccttgg 120

aatgtggtga catatataaa aattctagca ttattctgt ggttaaaaac attgtatagg 180

ctctgagtta gtagttgttt gagttaagct attttctgat aaaagtttaa agatatctgg 240

tggttagttg cttgaatttc tctgaataaa tggcctaaca aggtaagatg gttgaaccta 300

tggaaaccta 310

<210> 10272
<211> 276
<212> DNA
<213> Canis familiaris

<400> 10272
cctctgctgt ctgccatgaa gggaagcagc accctcctgc tggtggccct ctccttgctc 60

tgctcctgcg ggctggcctc tgacgaggac agcagtgagt ttttcatgga cttcctgcaa 120

acgctgctgg tggggtcccc agaggagctg tacgaggggc ccctgggcaa gtacgacgtc 180

aatgcagatg ccaaagcggc gctgactgag ctcaagtcct gcatagacgg cctacagccc 240

atgcacaagg cggagctggt caagctactg gtgcaa 276

<210> 10273
<211> 437
<212> DNA
<213> Canis familiaris

<400> 10273
gaataaggct gtagcccgtt tgttaaaaaa aaaaaagtct tctatgtggc tacagagttt 60

tgagtctatt ttacgaatat ctcagcctaa caaatttgta atgtcctcat gaataatgtg 120

catttagttt ctttattata gagtaacctc cttacatatg attaggtatt caaactcttc 180

tagtaaaaca ggtttctact agtattttcc ctgagctaga ggcggtctta gagcgtaagg 240

taatataatt tatccctttt cattgcgatt taatattata aatatcaaat attaaaatta 300

aaatggacac tttaaaactt gagtatgctg gtatcttgta tctttgcttg agtaggattg 360

tcttatcaaa gaagtgttct tatttaagta tatcatttgt ttgttaatat attaaagtgt 420

gactactctc cctggaa 437

<210> 10274
<211> 35
<212> DNA
<213> Canis familiaris

<400> 10274
accgaggcct gcctgtctgt gtttttgtcc aggtt 35

<210> 10275
<211> 145
<212> DNA
<213> Canis familiaris

<400> 10275
actgtaacct taaggtgaac ggatgtaaca agatctataa tcctatctgc gggagtgatg 60

gaattaccta tgctaatgaa tgcttgctat gtcttgaaaa taagaaacga caaacctcta 120

tcttggttga aaaatctggg ccttg 145

<210> 10276
<211> 511
<212> DNA
<213> Canis familiaris

<400> 10276
gacttcgtct tcatgtttct cttcgggggc gtcctcatga ccgtatcctt cccggcgctg 60

aaacttcagg ccgcagcgcc tctgggccca gcctgtgttg gccatggggc cgacatgggc 120

accccggccg gaggggggaca gggcggccct cacagtcatg ctggtgtatg tgtggagccg 180

ccgcaacccc cgagtgaggg tcaacttctt tggcctcctc accttccatg caccattcct 240

gccctgggcg ctcatgggtt tctcactgct gctgggcaac tcgattctcg tggacctgct 300

ggggattgcg gtgggccaca tttactactt cctagaggat gtcttcccca accagcctgg 360

aggcaagagg ctgctgctga ccccccgctt cctgtgagtg ctagagatga ctccccttac 420

cctccctcag atggctccct gcccgggacc gttgctggcc tcagctcagt gcaggcccct 480

ccctacagga agctgctact ggatgcccca c 511

<210> 10277

<211> 418
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<400> 10277
cctgcaggac aaaatggctt gggattgtng gggggttccc tcatcagcca gtcctgggtg 60

gtcactgctg cccactgcaa tgtcatccct ggccgtcacg ttgttgtcct gggagagtac 120

gaccgatcat ccaatgctga gcctttgcag gttctgtcca tctcaaaggc catcacgtac 180

ccttcctgga accccaccac cttaaacaat gacctgacgc tactgaagct cgcctcccca 240

gcccggtaca ctcaacgcat ctcaccagtc tgcctggctt ccccagatga ggagctgcct 300

gcaggcctca agtgtgccac cactggctgg ggacgcctca gcggcgtggg taggaatttg 360

ggccagagat ctgggtaatg tggctaagat gggaacaagt catccagggc cgaactac 418

<210> 10278
<211> 465
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<400> 10278
atcagccagt cctgggtggt cactgctgcc cactgcaatg tcatccctgg ccgtcacgtt 60

gttgtcctgg gagagtacga ccgatcatcc aatgctgagc ctttgcaggt tctgtccatc 120

tcaaaggcca tcacgtaccc ttcctggaac cccaccacct taaacaatga cctgacgcta 180

ctgaagctcg cctccccagc ccggtacact caacgcatct caccagtctg cctggcttcc 240

ccagatgagg agctgcctgc aggcctcaag tgtgccacca ctggctgggg acgcctcagc 300

ggcgtgggta ggaatttggg ccagagatct gggtaatgtg gctaagatgg gaacaagtca 360

tccagggccg aactaccccc ttntggtcta caggcaatgt gaccccagca cgtctacagc 420

aggtggctct gcctctggtc accgtgaatg agtgcaggca gtact 465

<210> 10279
<211> 126

<212> DNA
<213> Canis familiaris

<400> 10279
ccactgcaat gtcatgtgag tactcccact ctacccgccc cctcagccca cttgtcccca 60

cctcgttccc ctggatgccc ctcttgtaac tctgccctcc ctgtggctgc acaaccccac 120

tctgac 126

<210> 10280
<211> 221
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<400> 10280
aagtggcttc cacttctgtg gtggttccct catcagccag ncctgngngg ncactgctgc 60

ccactgcaat gtcatgtgag tactcccact ctacccgccc cctcagccca cttgtcccca 120

cctcgttccc ctggatgccc ctcttgtaac tctgccctcc ctgtggctgc acaaccccac 180

tctgactgca gccctggccg tcacgttgtt gtcctgggag a 221

<210> 10281
<211> 46
<212> DNA
<213> Canis familiaris

<400> 10281
agaactccga gctgctgctt actattttta ttttcaggaa gaggag 46

<210> 10282

<211> 293
<212> DNA
<213> Canis familiaris

<400> 10282
acagggactt tcaagacaca gcagtgggac ttccgcaggc aggatttcct cgaatctgct 60

ccgggcctgg ggatgtttgt gactgtcaca acctacaacg atgaggtatt attgtccaag 120

ttatatggcc cacaaggaag attctatttt acttcacatt cacctggcga acacatcatt 180

tgcttggaat ctaattctac gaggcttgtg tccttcggtg ggagtaagct gcggatccac 240

ttagagattc gagttggaca acatgacctt gatgcggcca ttgctcaagc aaa 293

<210> 10283
<211> 471
<212> DNA
<213> Canis familiaris

<400> 10283
aatgaaattc ctcgtactgg ctgctctgct cacagtggcc gctgccgagg ggggcatcag 60

cccgcgggca gtttggcagt tccgcaacat gatcaagtgc acgatccccg agagtgaccc 120

cttgaaggac tacaacgact acggctgcta ctgtggcctg ggtggatccg gcacccctgt 180

ggatgagttg gacaagtgtt gccagacgca tgaccactgc tactcagaag ccaagaaact 240

ggacagctgt aaattcctcc tggacaaccc ctacaccaaa atctactcat actcatgctc 300

cggctctgag atcacctgca gcagcaaaaa caaagactgc caggccttta tctgcaactg 360

tgaccgcagt gctgccatct gcttttcaaa ggctccgtat aacaaggagc acaagaacct 420

ggacactaag aagtactgct agaattgagt ctcctctctg gaaagcatca t 471

<210> 10284
<211> 200
<212> DNA
<213> Canis familiaris

<400> 10284
tgctgctcct gtcagcctgt gtggctctgt tgctgcagcc gccactgggt acccgggggg 60

ccccgctgga gccagtgtat ccgggggacg atgccacacc agagcagatg gcccagtacg 120

cggctgagct ccgcagatac atcaacatgc tgaccaggcc caggtatggg aaaagagaca 180

gaggagaaat gcgggacatc 200

<210> 10285
<211> 475
<212> DNA

<213> Canis familiaris

<400> 10285
ttccctgtcc agtggccatg tgatggtgaa cgggacccgg aaacaagtgc tgctcgttgg 60

agccccgact catgatgagg tgtccaaaat ggcattcctg accatgacct tgcaccaagg 120

tgggaccact cggatgtacg aactgaccct caacgcacag cctgctctgc tcaccacctt 180

cagtggggac cgccgcttct ctcgatttgg tggagttctg cacctgagcg acctggatgg 240

tgatggctta gatgaaatca ttgtgggagc cccactgaga ataacagatg tcacctctgg 300

actgatgggg ggagaagatg gtcgtgttta tgtttataat ggcaaacata tcacctttgg 360

tgacatgaca ggcaaatgca aatcatggac agctccatgt cctgaagaaa aggcccagta 420

cgtactggtt tctcctgagg caagttcaag atttgggagc tctgtgatca ccgtg 475

<210> 10286
<211> 556
<212> DNA
<213> Canis familiaris

<400> 10286
atcatcggag acgtctacag caccggcctc gccatgcagg ctctctctgt gacacctgag 60

ccacctaaca aggagtggga ctgcaagaag accatggaca cgatacttaa ggagattgag 120

caggggaagt tccacaatcc catgtccatt gcccaaatcc ttccttccct gaaaggcaag 180

acatacctgg atgtgcccta tgtgtcctgc agccctggtc atcaagtgca acccactctc 240

cccagtcaac ccagccccgt tcccacctcg gcatccaaca tcaccgtcgc gtacaccata 300

aataaccagc tgaagggggt ggagctggtc ttcaatgaaa ccatcgatgt tagcgtgaag 360

gatggatccg tgctcctcgt tgtcctagag gaagcacaac gcagaaatcc catgttcaaa 420

tttgtaacca cgatgacatc ctggggcctt gtcgtgtcct ctatcaacaa tattgctgaa 480

agtgtccatg acaggacata ctggcaattc ctgagtggca aaacaccttt gaatgaagga 540

gttgccgact acaccc 556

<210> 10287
<211> 489
<212> DNA
<213> Canis familiaris

<400> 10287
aagaaaggcg tttggctcac tgacctggtg cacgtggcgg cccatgagat tggccatgcg 60

ctgggcctga tgcactcaca gcatggccgg gcgctcatgc accttaatgc cactctgcgt 120

ggctggaaga ccctgtcgca ggatgaactg tgggggctgc accgactcta tggctgccta 180

gaccggctgt tcgtgtgcac atcctgggct cggaggggat tttgtgacac ccgccggagg 240

ctcatgaaga ggctctgccc cagcagctgt gacttctgct atgagttccc cttccccacg 300

gtggccgcca ctgcaccacc acccaggacc aagaccaggc tggtgcctga gggtcggaat 360

gtgaccttcc gatgtggcca gaagatcctt cacaagaaag gcaaagtgta ctggtacaag 420

gaccaggaac ccctggagtt ctcctaccct ggctacctgg cgctgggcga agcacatctg 480

agcatcatt 489

<210> 10288
<211> 119
<212> DNA
<213> Canis familiaris

<400> 10288
gtcacctgtg gacaggcccc ttttatagct ctaccacccc acctggctct gtctactgcc 60

acctgacctg ccagctgcta cctataccgg ctgtccccat ccgtcatgga aaagatcct 119

<210> 10289
<211> 422
<212> DNA
<213> Canis familiaris

<400> 10289
atggaaaaga tcctcgtcct tctgctcgtt gcccttgcgg tggtctacgc ggttcctgac 60

cctcggggga tcattatcca cctggaagac ggcgagctct gtctgaacag cgtccagtgc 120

aagagcaagt gctgccaccg ggccaccggg ctgagcctgg cccgctgcgc acccaaggcc 180

agcgagaaca gcgagtgctc tgccaagacg ctctatgggg tttactacaa gtgtccctgt 240

gagcggggcc tgacctgtga gggtgacaag tccatcgtgg gctccatcac caataccaac 300

tttggtgtct gccacgatgc tgggcgctcc aagaagtaaa gccactgaag gatgctcctc 360

atccaccacc tctccctggc tggccacccc cttaaccagc acctcccttt tctgattgga 420

tt 422

<210> 10290
<211> 544
<212> DNA
<213> Canis familiaris

<400> 10290
ctacaagtcc cgcatccaag tgagactcgg agagtacaac atcgatgtcc tggaggggaa 60

tgagcagttc atcaactccg ccaaggtcat ccgccatccc aactataaca gctggatcct 120

ggacaatgac atcatgctca tcaagctctc ctcacctgcg gtcctcaatg cccgggtggc 180

caccatatct ctgcccaggg cctgcgcagc ccctggcacc cagtgcctca tctccggctg 240

gggcaacacc ctgagctctg gcaccaacta ccccgagctg ctgcagtgcc tggacgcccc 300

aatcctgact caggcccagt gcgaagcctc ctaccccggc cagatcacgg agaacatgat 360

ttgcgccggc ttcctcgagg gaggcaagga ctcctgccag ggtgactctg gtggcccagt 420

ggtctgcaat ggagagctcc agggaatcgt ctcctggggc tacggctgtg cccagaagaa 480

caaacctgga gtctacacca aggtgtgcaa cttcgtagac tggattcagt cgaccatagc 540

tgcc 544

<210> 10291
<211> 276
<212> DNA
<213> Canis familiaris

<400> 10291
gagcaggatt ctatcgctgg aacaattaca tgatggactg gaaaaatcaa tttaacgatt 60

atactagcaa gaaagaaagc tgtgcgggtc tctaattaat agatttaccc tttatagaat 120

gttcgttttc ctgtagatca aggtaaaaat atcagtagct ctcttacaca cctcataaga 180

aagctattat acagctgaaa caaaaatgcc agaaggataa tatcgattcc tcacatcttc 240

cacttagtat tgtacctagc atttcaaaat ccaaat 276

<210> 10292
<211> 321
<212> DNA
<213> Canis familiaris

<400> 10292
ttttgagacc tcagctgggc atctggcctt gaagcttgca ttcttccctt tggtgatggc 60

ttccagtcac ccatcggcaa tgccagttct ctctccaaat catggaaacc atcttggtgt 120

tcatagactc cgggccaggc taggtttggg gaaagggaag agctttgcct tgttcaacac 180

actctgtgct tttatattcc tctttctttc atggtggggg gccctgttgg cctgtcttgg 240

cctgacttct tcatttatta ccaggatcct ggggtcagac ttgttccgtg cctctgtagc 300

tccagccttt accagaaatg t 321

<210> 10293
<211> 566

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<400> 10293
tcttttgtct gtaaactttg gtccaattgt ggatggggat tttctcactg acatgcncga 60

cacactactc caacttggac agttcaaaaa agcccagatc ttggtgggtg ttaacaaaga 120

tgaagggaca gcatttttag tatatcgtgc tcctggtttc agcaaagata acgacagtat 180

cataactaga aaagaatttc aagaaggctt aaaaatgtat tttccaggag tgagtgaatt 240

tggaagggaa tcgatccttt tttattatgt agacttgtta gatgatcaga gggatgaaaa 300

gtaccgtgac gcattggatg atgttcttgg cgattacaat atcatatgcc ctgccttgga 360

aagagctaat tacacaaaag ctgaggaaat tttgagtaga tccataatga aatactgggc 420

aacttttgca aaatatggac atccagatgg aacccagaac aatagcacaa gatggcctgc 480

ctttgaaaac actgaccaaa aatatttaac cttgaataca gattcaccac gagtatacac 540

taaactgcgt gctcaacaat gccgat 566

<210> 10294
<211> 89
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<400> 10294
cacgtctgtc gctgctgtca gctgacctct ggggggacat ttgggaacan accatttaaa 60

taagttctga gtgtttccag gcttttggg 89

<210> 10295
<211> 95
<212> DNA
<213> Canis familiaris

<400> 10295
gctgccaact aagcatgcga ccttgtgtac cactctatgc gccatcccct gttggccaat 60

tgcatcttcc aactatgctt gagaacagta tctaa 95

<210> 10296
<211> 417
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(344)
<223> n is a, c, g, or t

<400> 10296
atgctgatca aactgagctc tcctgccacc ctcaactctc gagtgtctgc tatcgctctg 60

ccaaaatcct gtccagctgc tggtacccag tgcctcatct ctggctgggg aaatacccag 120

agcatcgggc aaaactatcc tgatgtcctg cagtgtctga aggctcccat cctttctgac 180

agcgtttgcc gtaatgcata cnctggccag atctccagca acatgatgtg tttgggctac 240

atggagggtg gaaaggactc ttgccagggt gactctggtg ngccctgtgg tctgcnaacg 300

gagagctcca gggcgttgtc tcctggggtg nccggctgtg ctcnaaaaag gcaaacctgg 360

tgtctacacc agggtctgca aatacgtgag ctggattcag cagaccatcg ctgccaa 417

<210> 10297
<211> 426
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (169)..(169)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<400> 10297
gaagaacaac ctggtcgtgg aagatgagga aggctccgtg tttgcaaacg tggagtccat 60

cgtcgtccac gagaagtgga actccttcct ggtgcgcaac gacattgccc tcatcaagct 120

ggcggagcct gtgcagctga gtgacaccat caaggtggcc tgcctgccng naggcgggct 180

ccttgctgcc tcaggactac ccctgctacg tcactggctg gggccgcctc tggaccaacg 240

gccccattgc cgacgagctg cagcagggcc tgcagcccat agtggatcac gccacctgca 300

cccagagaga ctggtgggga accatggtga aggacacgat ggtgtgtgcc gggggcgacg 360

gcatcatctc atcttgcaac ggggactcgg gcggcccgct caactgccag gccgagaacg 420

gcacgt 426

<210> 10298
<211> 54
<212> DNA
<213> Canis familiaris

<400> 10298
cttaccccat gttaagagtc acagacctgt gaccaccgca tatcttacta ctaa 54

<210> 10299
<211> 529
<212> DNA
<213> Canis familiaris

<400> 10299
agacctgacc gcgtgtccgt gctggacagc taccagtacg acgacggctg cgagccctgc 60

gggaatgaca ccttcagccg cgagcctgcc atcgtcaggt tccactcccc gctcacggag 120

gtcaaggagt tcgctgtcgt gcccctgcat gcagccccgc tggacgcggt ggcggagata 180

gacgcgctct atgacgtcta cctggatgtc cagcacaagt gggacctgga ggacatcgtg 240

ctcatgggcg acttcaacgc cggctgcagc tacgtggctg cctcccagtg gtcctctatc 300

cgcctgcgca caaacccggc cttccagtgg ctgattcccg acaccgcgga caccacgtcc 360

acatccacgc actgtgccta tgacaggatc gtggtggcag gaagtcagct gcagcacgcc 420

gttgtgcctg aatcagccgc ccccttcaac ttccaggtgg cctacggcct cagcagccag 480

ctggcccagg ccatcagtga ccactacccc gtggaggtga cgctcaaga 529

<210> 10300
<211> 525
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<400> 10300
gcgaatcact gctcatcaaa tcctaaaatg gttctctgag atgcaagaag aggaagtgga 60

agtaagcctc cctagattta aagtagaaca aaaattagac ttcaaagaag ctttgtattc 120

tttgaatatg accganatat ttagtggtgg ctgtgacctt tctggaataa cagattcagc 180

tgaagtgttt gtttcccagg tcatgcaaca catttttttt gaaataaatg aagatggcag 240

tgaagctgca acagcaactg gtatgcacat ccctgcaatc atgagtctgg ctcacaatca 300

atttatagca aaccatccat ttctgtttat tgtgaagaat aacccaacag aatcaatttt 360

gtttatggga agggtgacaa atcctgacac ccaaaagatg aagggaagag atttagattc 420

actgtgattg aaaagaacag cctcagaatg gaagatgatt cctgaaaaat agtcgattgg 480

caaaatatca tcatcttgca aatattctct acatctcttt ttctg 525

<210> 10301
<211> 585
<212> DNA
<213> Canis familiaris

<400> 10301
tcgccttact ttgacgacga ggacttcttc accgaccagt cctcccggga ccccctggag 60

gacggcgagg agctgctggc cgacgagcac gccgaggtgg agttcctcag ccaccagctg 120

cacgagtact gctgccgcga cggggcgtgc ctgctgctgc cgcccgcgcc ctcggccgcc 180

ccaaggcgtg cgtccccgac ggacctgcag ctccagggat tccggggagg gggcgctggg 240

gggctagggg agtggaggaa gagggttcgt tctgacggta acccgagacg cccgtcccgc 300

cgcggcgccc aggaggggat cctaaaggac cggagggcac cgctgggaat agagttggac 360

gttcacggtc tgttttctct tctcacctcc tcagggtccc cctcccccag cgacccggat 420

tacggcctcc ctccccttgc aggacattcc ctctcatgga ctgatgaaaa gcaactcaaa 480

gaacaaaata ttatccgaac agccaaagtg tggaccccag aggaccccag aaaactcaac 540

agcaaatctt ccttcaacaa catagaaaac gaaccgccct ttgag 585

<210> 10302
<211> 82
<212> DNA
<213> Canis familiaris

<400> 10302
gacatcctgg tgatgaactc tctgcagcaa ggccaggaag gtgaggcttg gtctggccaa 60

ggaccaggct cccctgactc tt 82

<210> 10303
<211> 310
<212> DNA
<213> Canis familiaris

<400> 10303
ggaagcagaa ctttcagcta tgaaggtaac aagcgtcttt cttctcagtg cgttggccct 60

gttgagctta tctggtaaca ccagagccaa taacatgctg cagagacagg ctaactgtaa 120

ccttaaggtg aacggatgta acaagatcta taatcctatc tgcgggagtg atggaattac 180

ctatgctaat gaatgcttgc tatgtcttga aaataagaaa cgacaaacct ctatcttggt 240

tgaaaaatct gggccttgtt gataaccaag attctaaaat accctgtggt tactacaatg 300

cctagtgggc 310

<210> 10304
<211> 87
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<400> 10304
gaagcttcag aatatgaact aacagggtca gccttcactg agactcattt tccctgaacn 60

ctaaaggaaa tgctgcctcg tggctac 87

<210> 10305
<211> 356
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<400> 10305
tcttgaacag tctgggctcc gtgtatctac agtgtaagat tttgatatgt gatagtggtg 60

accatcagtc tcgatgcagc caaggctgtg tctctagaac gaaacgagac ctttcttcat 120

acaaatggaa gaccgatgct gtcataggac ctattcgtct gaaaagggat cgaagtgcaa 180

gtggaaatac aggatttcag gatcagatac acaaagaaga aactcagagt caacctttca 240

gcagtctgca tctattttca ttcanggtcc ttgctctgaa tctcgtgatt gtggccgtga 300

tcataacaag gcattttgtg aatcagagaa cggactacaa ataccagaag cttcag 356

<210> 10306
<211> 313
<212> DNA
<213> Canis familiaris

<400> 10306
tagcatctgc tcactattct ggtgagcact ttgaaggtga gaaggtgttc cgcgtcaatg 60

ttgaagatga aaatcatatc aacttactcc atacattggc cagcaccacc cagattgact 120

tctggaaacc agattctgtc acacaaatca aacctcacag tacagctgac ttccgggtta 180

aagcagaaga cattttgacg gtggaggatt ttctgaagca gaatgaacta cactatgagg 240

tattgataaa caacctgaga ttggtgctgg aaggtcagtt tgacagccag gtccgtgcaa 300

ctggacacag tta 313

<210> 10307
<211> 559
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (129)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (403)..(403)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (410)..(411)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<400> 10307
atagctacag acaatggcca gcctcctgcc acgggcaccg ggacactgct cctcactttc 60

tctcacatag actgcccagg agtagactca cactgccttg acatctgcca gaggggacca 120

gagtctcann anggcggagg catggagcag atcagcagcc cactgaccac acatgtgctg 180

gacactgcct cagggcttcc agctcagggc ctctgcctcc gtctgtccag gctcgaggac 240

catggccagc agtggacaga gctgaagaaa agctacaccg actcngatgg ccgctgccca 300

gggctcctgc ctccaggccc gatgaaggca ggcacctaca agctgtcctt tgacaccgag 360

ggctactgga agaagaaagg gcaggagagc ttctacccat atngtggagn nttgttttta 420

ccatcgncaa cgagacacac aggttccacg tgcctctgct gctgagccca tggtcctaca 480

ccacgtatcg agggagctag tggctagcca tcgcctctgg ctaactgctg gcctgtgagc 540

atcagttcca tccccatgg 559

<210> 10308
<211> 265
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<400> 10308
gagccttcgt taaccagcac ctgtgtggct cccacctggt agaggctctg tacctggtgt 60

gcggggagcg cggcttcttc tacacgccta aggcccgcng ggaggtggag gacctgcagg 120

tgagggacgt ggagctggcc ggggcgcctg gcgagggcgg cctgcagccc ctggccctgg 180

aggggccct gcagaagcga ggcatcgtgg agcagtgctg caccagcatc tgctccctct 240

accagctgga gaattactgc aacta 265

<210> 10309
<211> 506
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (457)..(457)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (478)..(478)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (481)..(481)
<223> n is a, c, g, or t

<400> 10309
atttattttg tacatgtgtg gtaactgagg tcttcctgtt ggctgtgatg gcctatgacc 60

gcttcgtggc catctgcaac ccactgctgt acatggtcac catgtccnag aatctctgta 120

tggagctggt gtcctnctgc tacctctgtg gganggcctg ttctctgatc cacttgtgtt 180

tagcccttca gatcccatcc tatagatcna atgtgattaa ccacttcttt tgtgatctac 240

cccctctctt atctcttgct tgctctgatg tcactatgaa tganctgttg ctgtacatcg 300

tggccacctt caacgagctc accaccatcc tgatcatcct tacctcctat ttgctgattc 360

tcatcaccat cctgaggatg cgctctgcag agggaaggcg caaagccttt tccacctgtg 420

cctcccacct cacagccatc cttgtcttcc atggaanaat ccttttcatt tattgtcngc 480

naggttcggg caacagtatg gatgct 506

<210> 10310
<211> 565
<212> DNA
<213> Canis familiaris

<400> 10310
tattgatggc tacgtctaca cctggaccaa gaaccgaatg tggagaaaga cccgctccac 60

tcaggctgga actaactgcg ttggcacaga ccccaacaga aattttgatg ctggttggtg 120

caaaattgga gcttctcgga acccctgtga tgaaacttac tgtggacctg ctgcagagtc 180

tgaaaaagag accaaggccc tggctaattt catccgcagc aacctctctt ccattaaagc 240

atatctgaca atccactcat actctcaaat gatgctctac ccttattcct atgattataa 300

actcacagag aacaatgctg agttgaatgc cctggctaaa gctactgtaa aagaacttgc 360

caccctgcat ggcaccaagt acacatatgg cccgggagct acaacaatct atcctgctgc 420

tgggggctct gatgactggg cttatgatca aggaatcaaa tattccttta cctttgaact 480

ccgggacaaa ggcagatacg gctttgccct ccccgaatcc cagattaggc caacctgtga 540

ggagacactg ttggccatca agcac 565

<210> 10311
<211> 57
<212> DNA
<213> Canis familiaris

<400> 10311
gcctccggag ccaggtgtac tctcgtgtcc ccaggagcct gagggtgtcc ccgccct 57

<210> 10312
<211> 482
<212> DNA
<213> Canis familiaris

<400> 10312
gaatgttgac cattgctctt ctggccctac tctgtgcatc agcctcggcc aatgccattc 60

aggctaggtc ctcctcatac aatggagagt atggaggtgg tggagggcag cgattctccc 120

attctggcaa ccagctggaa ggccctatca ccgccctccg tgtccgggtc aacagatact 180

acattgtagg cctccaggtg cgctatggca aggtatggag cgactacgtg ggtggcaccc 240

agggagatct ggaagagatc ttcctgcacc ccggggagtc agtgatccag gtgtctggca 300

agtacaagta ctacctgagg aagctggtct tcgtgacgga caagggccgc tacctgcctt 360

ttgggaaaga cacaggcacg agcttcaacg ccgtcccctt gtaccccaac actgtgctcc 420

gattcatcag cggccgtgct agctccctca tcaatgccat tggcctgcac tgggacgtct 480

ac 482

<210> 10313
<211> 302
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<400> 10313
ggccttgatt aaagacttca ccgtgttttc caaccctgcg tgccctccct cgtgccaagt 60

cagctccngg gtgagcattc tggtggatga agcgggacat caggggagcc ctgggagatc 120

ctgcaagagg atgcatgcct ccctgggaac atgatacagt ctctccttcc ttgcttccct 180

tgtgtttaag cttattccca acttactgcc tgtgcttgga cctgttgtac aacctctttc 240

ctcttccaca tgaatacctg ggtctttctg atgcttggaa aggctctgtg gttcttttag 300

ga 302

<210> 10314
<211> 573
<212> DNA
<213> Canis familiaris

<400> 10314
tgaggcccag atgttcacag ttgactcaca gatgttctac acagtgccca ttatggcttt 60

tgccttcgtc tgccaccctg aggtgctgcc catctacaca gagctctgcc gatggaggga 120

ggatgaggga tctcccacag gggcaggcac agatggatgc tcagagggta gttcaagtca 180

tatgaccaca tggagcaggg gaggcagtac ctgggccctg actagtgtcc tacgctactc 240

tgaccacatc cgccgggccc tgcagcagct gctcttccca agcagggact tcagctggcc 300

acggcatgtg gccatagccc tgatcctgct tgtcttggtc aacgttcttg tcatttgcgt 360

gccaaccatc cgggatatct ttggggttat tgggtccacc tcagccccca gcctcatctt 420

catccttcct agcatcttct acctccgcat tgtcccatct gaggtggagc ccctctactc 480

ctggcctaag atccaggctc tgtgttttgg tctcctgggg gtcctcttca tggcaatcag 540

tctaggcttt atgtttgcca actgggccac agg 573

<210> 10315
<211> 107
<212> DNA
<213> Canis familiaris

<400> 10315
ggtggcccaa ggctcactcc aattcctgga ctctgagggc aggccatttc tctccttagg 60

caccagctgc ccctcaccaa gtggcttaca gcttctccat gtccctg 107

<210> 10316
<211> 473
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<400> 10316
ttgaaagttt cctcctctac gtctgtggct gggctgcggg ggcagtaggg tnagggtggg 60

tgggaccggn cggggtggtg angcaatcaa ttttctgtaa ttcagctagc atgactgttt 120

ccttgggctt ttctgcaagc ctctaagatt gtgtgtctct ccccccaccc ccacccgcat 180

ttcacagaac cactaaatct ggcttcgaat ttgaaaggat ctgaaggtat gcagagtccg 240

ggctggcctc aaacccaggc aggaaagagc acagggtctg gcaaaggagg atgggattct 300

ggactcagct tcctggaacc ccttgaggct ttttgaaggc agtggggata gctagcttta 360

ttatagacaa ccgtgatcgc atcccctatc taaccagaag aatncaagcc ccttttttca 420

gtcatctcaa ggagtttgga gggatcactc cctactcagc tgccaaggtt gaa 473

<210> 10317
<211> 41
<212> DNA
<213> Canis familiaris

<400> 10317
agcttctacc catatgtgga ggttgttttt accatcgcca a 41

<210> 10318
<211> 163
<212> DNA
<213> Canis familiaris

<400> 10318
atccactggg atccctacac cgtggagagt ggcaactacc tggagatcac caagaagatg 60

gaccacaact ccctgaagca gcacctgagg actgattacc tgcgctattg ggccgtgacc 120

tacgaggcac tgcccaccgt gaccggagat gaggccactc ccg 163

<210> 10319
<211> 157
<212> DNA
<213> Canis familiaris

<400> 10319
ttcacgcagt actgaggccg aggtgggtcc cgtgctctca gacgtcccca aaggatggtg 60

gagccttggt tcactttatg ccaaatctat gccaaaaagt gggttatcta cgatgcgacc 120

atattcctaa taaaaacatg gaaatcactg tgtagaa 157

<210> 10320
<211> 135
<212> DNA
<213> Canis familiaris

<400> 10320
ttctgggact ctagatacaa gacatactgg ttttggtgta ctggagaaga aatagacaaa 60

tatgtgaaat gtcaaaaatc tgagcttttt aaacttttc ttttttttctt tttacttcag 120

gatgttaatg attgg 135

<210> 10321
<211> 545
<212> DNA
<213> Canis familiaris

<400> 10321
ggagcatcta ttcttacgtt ctgggactct agatacaaga catactggtt ttggtgtact 60

ggagaagaaa tagacaaata tgtgaaatgt caaaaatctg agctttttaa actttttctt 120

tttttctttt tacttcagga tgttaatgat tggtatgggc caccaaataa taatgggata 180

attaaagaag ttactattaa tccagatact acttgtggta atgattgggt ctgtgaacat 240

cgatggcgtc aaataagaaa catggttatg ttccgtaatg tagttgatgg acaacctttt 300

acaaactggt gggataatgg tagcaaccaa gtagctttg gaagaggaaa caaagggttc 360

attgtcttta acaatgatga ctggccatta tctttaactc tgcaaactgg tcttcctgct 420

ggcacatatt gtgatgttat ttctggagat aaaattgacg gcaattgtac aggaattaaa 480

atctatattt ctggggatgg gaatgctcat ttttctatta gtaactcggc tgaagatcca 540

tttat 545

<210> 10322
<211> 460
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<400> 10322
aggccagatg ccacctgtga ggcataaagc cgncanaggc agctcctgag agacctctgc 60

tgtctgccat gaagggaagc agcaccctcc tgctggtggc cctctccttg ctctgctcct 120

gcgggctggc ctctgacgag gacagcagtg agtttttcat ggacttcctg caaacgctgc 180

tggtggggtc cccagaggag ctgtacgagg ggcccctggg caagtacgac gtcaatgcag 240

atgccaaagc ggcgctgact gagctcaagt cctgcataga cggcctacag cccatgcaca 300

aggcggagct ggtcaagcta ctggtgcaag tgctgggcag tgaagatgaa gcctaacaaa 360

ccccagtcat ggctccaggc ggccacagga ccagctacac aatcagccac agccacgcca 420

ccccatcacc actttcctgt gcgtgaactt atccgaaaac 460

<210> 10323
<211> 299
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<400> 10323
agtgaagtta ctctcagcat gtagtgctgt ctggtgctga ggcctcccag attctggggc 60

aggtctacnc cagactggtg ccaagaagcc tctggtgggg ttggttggct gattgggcca 120

cacagaccaa ctttcagaaa gcatttccca atactctgac tcacattaac cccagtttct 180

ctaaccccca gtgcatgtgt cctccacatc gcttccaggt ttgctctctc acaggtctgt 240

gtctttgagt tttgccttcc tgaacagact cttagcactt ggatgctatg attcactta 299

<210> 10324
<211> 146
<212> DNA
<213> Canis familiaris

<400> 10324
gtccctctac tgcagatgtt actgatgtgt tagagacact tcatctccaa cccccagaga 60

gtgcagagcc cctcacctga ccttgtcact ggggtctgct gaagacccca agtcccagga 120

ggaaagaact tcttgcctgc tcccca 146

<210> 10325
<211> 274
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<400> 10325
acgtgcgcca agctctacga caagagcgac ccctactacg agaactgctg cggcggcgcc 60

gagctgtcgc tggagcccaa caccgacctg cccttcctgc cctccaactg ggccaacgtg 120

gcctcgtcgc tcgtggtggc cccgcgctgc gagatcaccg tgtggtccgt acgcggcaag 180

gcgggcaaga cgcgcaagtt ctccaccggc ntctacccgc gcctcgagga gttccgcaag 240

ggcatcttcg gcgactggtc caacaccatc gcgt 274

<210> 10326
<211> 472
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<400> 10326
cttagccaac caagagggac cttataaaat ttncctcatg cacagacctt cctagggcta 60

tttcctgtcc tactaacaca aagtgagggc ttggggtagg ctgtattagc aagggagtgt 120

agaggtccaa tgtgtcctct gcagggatta atgctgtgtt tattgtcttc tgctttaact 180

gtatttcagg gcaggagaaa acacagtaaa acaaattttg tgcctccttt gcaatttaca 240

ctagatttga ggccatcaca gactaagaaa gaagataatc cggatactta acaaccgtgt 300

gaagtagaaa atatttcaat gggttttata agcttaacat actttgataa aatattttga 360

tcactatttt aataacccag gggcttattt tcctttcttc ttagttcttg gctgactttt 420

ggagacccat gggaaagaaa ctattttgaa tgtaacccca aagtcactaa ga 472

<210> 10327
<211> 150
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<400> 10327
ggaccaagca tgaaggccca gcctggaagg gaataatctc acacctgacc acttcattat 60

gacctctctt nctccctgct catttcactt ctcgattttt tttgtgtgtg tgtgtgtgtg 120

tgtattaaat ggccttagat cttggcgtgt 150

<210> 10328

<211> 341
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<400> 10328
gacccccaaa tcctggatgg atgctgagnt ggnntgncag aagaggccct cgggacacct 60

tgtgtctgtg ctcagtggga gtgaggcatc ctttgtggcc tccctggtca agaacagtgt 120

gaacagctnc tcatatgtct ggatggggct ccatgacccc acagagggct atgagcncaa 180

tgcagatggt tgggagtgga gtagtgctga tattctgaat tactntgcct gggagnaaaa 240

cccctccacc ntcgcaaacc ctggctnttg tgggagcctg tcaagaagca caggatntct 300

gaaatggaaa gattataact gtgctacgaa gctaccctat a 341

<210> 10329
<211> 427
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<400> 10329
tcacaccagc tttcttgcag gtcctcacac actgggtgca cacccttgc ctggggatct 60

ctctctctcc ttctgccctt nccaggaggc ctcagntcct tcaccacttc ctcagggagc 120

cctgcagacc tgtctgatag gaaaagctca ccctntggac ccactcaccc cttcaggtct 180

ctttccctca tgctacttag tggagtggta attttataat atttgcgtga gtccgtagtt 240

aatgtttctg tatgccctgt cattgccaca ctatctgcta taatgtagtg tctccgaatg 300

cttttagtat tcccaattct tagcncatgg caagtctttg ataaatcttt gttgaatgaa 360

tattattctg actccccagg attgctgtag aacagtcaac tngcacatgc tcaaataaac 420

ccagtag 427

<210> 10330
<211> 559
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<400> 10330
gtcagaacca cccaccaggt tgtagccggg gagttcgacc agggctcaga tgctgagagc 60

atccaggtgc tgaagattgc caaggttttc aagaacccca agttcaacat gttcaccatc 120

aacaacgaca tcaccctgct gaagctggcc acacccgccc gcttctccaa gaccgtgtcc 180

gccgtgtgcc tgccccaggc gaccgacgac ttccctgctg ggaccctgtg tgtcaccacg 240

ggctggggcc tgaccaaaca caccaatgcc aacacccccg acaagctaca gcaggcggcc 300

ctgcccctcc tgtccaacgc cgagtgcaag aagttctggg gcagcaagat caccgatctt 360

atggtctgtg cgggtgccag tggcgtctcc tcctgcatgg gtgactctgg tggccncctg 420

gtctgccaga aggatggagc ctggactctg gtgggcatcg tgtcctgggg cagcggtacc 480

tgctccacct ccactcctgg cgtgtacgcc cgtgtcacca agctcatacc ctgggtacag 540

cagatcctac aagccaact 559

<210> 10331
<211> 223
<212> DNA
<213> Canis familiaris

<400> 10331
atcgaacctg tcctgaacgg cctgtccagg atcgtcaatg gggaagacgc cgtcccgggc 60

tcctggccct ggcaggtgtc gctgcaggac agcaccggct tccacttctg cgggggtcc 120

ctcatcagcg aggactgggt ggtcacggcc gcccactgcg gggtcaggac ctctcacctg 180

gtcgtggccg gggagtttga ccagagctca agtgaagaga aca 223

<210> 10332
<211> 313
<212> DNA
<213> Canis familiaris

<400> 10332
tgctcagaga cttaccacgg caagttcgcc aattccgaag tggaggttaa gtccatcgtg 60

gactttgtga agagccacgg aaacatcaag gccttcatct ccatccacag ctactcccag 120

ctgctcctgt atccctacgg ttacaaagca gaagcggccc ctgaccagca agagctggat 180

cagctggcca aggctgctgt gacagcgctc gcctctctgt atgggaccaa gttcaagtat 240

ggcagcatca tcaaaacaat ttaccaagcc agtggaagca ctgttgactg gacctacagc 300

cagggcatca agt 313

<210> 10333
<211> 295
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (185)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

<400> 10333
tctgctgccc gtggtggact atgagcactg ctccaagctg gactggtggg gcatctctgt 60

aaagaagacc atggtgtgcg ctggcgggga catcctctct gggtgcaatg gtgactctgg 120

aggacctctg aactgcccca caggagatgg ctcctggcag gttcacggtg tgaccagctt 180

tgtgnnnnnc ttcggctgca acaccatcaa gaagcccaca gnattcacac gagtctcagc 240

cttcaatgac tggatcgagg aggtcatgtc aagccactag aactaaggcc tgggt 295

<210> 10334
<211> 524
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<400> 10334
agtgaagaga acatccaggt cctgaagatc gccgaggtgt tcaagaaccc caagttcaac 60

atgttcacgg tccgcaacga catcaccctg ctgaagctgg ccacgcccgc ccgcttctcc 120

gagaccgtgt cccccgtgtg cctgccccag gcgaccgacg agttcccccc gggtttgatg 180

tgcgtcacca ccggctgggg gcggaccaag tacaacgcca acaagacgcc cgacaagctg 240

cagcaggcgg ccctgcccct cctgtccaac gccgagtgca agaagttctg gggcagcaag 300

atcaccgacg tgatgatttg cgccggtgcc agcggcgtct cctcctgcat gggtgactct 360

ggtggccncc tggtctgcca gaaggatgga gcctggaccc tggtgggcat cgtgtcctgg 420

ggcagcggca cctgctccac ctctgttcct gctgtgtact cccgtgtcac tgagctcatt 480

ccttgggttc aggaaatact tgctgccaac tgagctcttg gttc 524

<210> 10335
<211> 585
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<400> 10335
cccgagactt tgtggcttgc aatcacctaa gaagctacaa gtattactcg agcagcatct 60

tgagccccga tggcttcctg ggctacccgt gtgcctctta ccatgagttt caggaggata 120

gctgtttccc ttgcccagct gaaggatgtc cccaaatggg gcactntgct gaccgatttc 180

agaggaatac cagtgctgtg ggacaaacct ttttcctgaa cacaggagac agcggtaact 240

ttacttgttg gagatacagg gtatcggtca cactggctgg aaaaaagaaa acgagtgggt 300

actttaggat tgccttgtat ggaagtaatg caaactcaaa acaatatgaa attttcaaag 360

gatccctcca accacatgca attcatatgc gtaacattga tgtggacctc aatgttggaa 420

aaatccagaa ggttaagttc ctctggaaca accatgtgat aaatcttttc cggcccaagc 480

tgggggcttc acaaatcaca gtgcaaagcg gtgaaaatgg gaccaagtat aatttttgta 540

gcagtgacat ggtgcgagaa gatgttttac agtctcttta cccat 585

<210> 10336
<211> 594
<212> DNA
<213> Canis familiaris

<400> 10336
gatctgggaa gggactcgtg actttgtggc ctgtaatcac ttaagaagtt acaagtatta 60

ctctgatagc atcctcaacc ctgacggctt tgctggattc ccttgtgcct cttacaatgt 120

tttcactgca aacaagtgct tcccctgccc aagcgaaggc tgcccacaga tgggtcatta 180

tgctgacaga tttcctggaa aaactgacaa agtgaaccag atattctatc tagacactgg 240

tgatgccagc aattttgccc gttggaggta taaggtagct gtcacactgt ctgggaagaa 300

ggttacagga cacgtgctag tttctctgtt tggaaataaa ggaaattcta aacagtatga 360

aattttcaag ggcactctcc aaccagagag cactcattcc aatgaatttg actctgatgt 420

ggaagttgga gatgtgcaga aggttaaatt tgtttggtac aacaatgtga tcaacccaac 480

tctacccaga gtgggagcat ccaagatcac agtggaaaga aatgatggga aaatattcaa 540

cttctgtagt aaagaaaccg tgagggaaga tattttactt actcttaccc catg 594

<210> 10337
<211> 576
<212> DNA
<213> Canis familiaris

<400> 10337
aactcgggac ttcgtggctt gcaatcacct gagaagttac aagtattact cagagagcat 60

cctcaaccct gatggatttg cttcctaccc ctgtgcttcc tacagggcct ttgaatctaa 120

caagtgcttc ccctgcccag atcaagggtg cccacagatg ggtcactatg ctgataaatt 180

tgctgtcaag acaagtgatg agacacagaa atacttcctg aacaccggag attccagcaa 240

ttttgctcgc tggagatacg gggtttctat aacattgtct gggaaaagag ccactggtca 300

ggctaaagtt gctttgtttg gaagtaaggg aaatactcat caattcaata tcttcaaggg 360

gattctcaaa ccaggctcta ctcattccaa tgagtttgat gcaaagcttg atgttggaac 420

aattgagaaa gtcaagtttc tttggaataa caacgtggta aacccaacct ttcccaaagt 480

gggtgcagcc aagatcaccg tgcaaaaggg agaggagaaa acagtgcaca gcttctgcag 540

cgaaagcacc gtgagggagg atgttctgct caccct 576

<210> 10338
<211> 538
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<400> 10338
tccggcatct ggctttagag ttccatgcaa gcttcctgcc tccatccaca ggcntcttga 60

aggattcact aatgggctca gaggaggagc agtacatgta gacttaaaga cgcagttttc 120

tgggatgatg acccactcgc aggttttgtg ggattacgga gtggagtcca aagccttcaa 180

attagtaaga atcnccgttt ccaaagttga aggaactggg atgttttgtc tgaagaaggg 240

ctctcatata ggaacgaagg tgactgctgc ctgccttccc aggaaggaac tggaacccat 300

ggtgacattt caggaaggcc aatttcagct ctctgtaagg atcaaaaatg tgagtgatgt 360

gaaaacccga cagaccgtca ccccaaaaag ggagcttcac atcactgaag tatccagcca 420

ggggaccatc cgtggtgttg gggcacaaga tagaccagta gtctcctggg actggtccag 480

ctctaaactg gatggaggga aggaaggccg tggctttgga tgccctctca ggtagaaa 538

<210> 10339
<211> 431
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<400> 10339
tgggaggctc cagtcaatca gatgcccaca gagccctaat cctgaacctc cattccaatg 60

aggactgtac ctggacatta caaagaccag aaaacaaaag catcagaatc atcttttcct 120

acttccagct tgatcctgat ggaccgtgtg aaagtgaaaa cattaaagtt tttgatggaa 180

actctaccaa ggcgtctctg ctaggcaaag tctgcagtaa acatgactac attcctgttt 240

ttgagtcatc atccagtaca ttaacggttc aaatagtcac cgactctgta aaaantcaaa 300

gaactgtctt natcttctac tacttcttct cttctggcac ctctattcca aactgtggtg 360

gttacttgga cagccccaaa ngatccttta ccagccccaa ttacccaaat gcgcatcctg 420

cactggctta t 431

<210> 10340
<211> 468
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (396)..(399)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(404)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (413)..(414)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (418)..(418)
<223> n is a, c, g, or t

<400> 10340
gacttctctt gtggtttctt ctgctctggg tgcttatcgg gaagtcacac accgaagaag 60

acatcgtaat tacaaccaag aatggaaaag tccgagggat gaacttgccg gttcttggtg 120

gcacagtcac agcctttctt ggaattccct acgcacagcc acctcttggt agacttcgat 180

tcaaaaagcc gcaattcttg accaaatggt ccgatatttg gaatgccaca aaatatgcaa 240

attcttgcta tcagaacaca gatcaaagtt tcccaggttt ccctggatca gagatgtgga 300

acccaaacac tgatctcagc gaagactgtt ntatatctga atgtgtngga ttccaacacc 360

taaaccaaaa aacgccactg taatgatatg nnnatnnnng gnnnggnggt ttnnaaanca 420

ggaacatcat ctttacctgt ttatgatggc aaatttctgg ctcgggtt 468

<210> 10341
<211> 457
<212> DNA
<213> Canis familiaris

<400> 10341
gaattttctg tgctgaagtc atttttctct gccatctcag agaaaaagca agaatttaca 60

tttaatcttg ccaatgccct ctaccttcaa gaaggattca ctgtgaaaga acagtatctc 120

catagcaaca aggaattttt tcagagtgcc ataaaactgg tggattttca ggatgcaaag 180

acttctgcag agacaataag tacctgggta gaaagcaaaa cagatgggaa aattaaagac 240

atgttttcag gggaagactt tggccctctg actcgacttg tcctggtgaa tgctatttat 300

ttcaagggcg actggaagca gaaattcaga aaagaggaca cacagttgac gaattttact 360

aagaaagatg gtgcagcagt caaaattcca atgatgaagg ctcttctgag aacaaaatac 420

ggttattttt ctgagccctc catgaactac caggttt 457

<210> 10342
<211> 58
<212> DNA
<213> Canis familiaris

<400> 10342
ggctcagatg cccatagtca ttggcttcta atgcccttgg ctccaagaag acccaggg 58

<210> 10343
<211> 479
<212> DNA
<213> Canis familiaris

<400> 10343
gagccccgct actacgagag ctggacccgg gagaccgagt ccacctggct cacctacacc 60

gactcggacg cgccgcccag cgccgctgcc gcggacagcg gccccgaggc gggcggcctg 120

caggcggact ccagtgccat tctctgtttc cctccccaag gtgtgctgga agatggactg 180

tcctccaatg gtataccccg atctgcagcc ccaggtggaa tatccaaccc ggagaagaag 240

atgagctgtg ggacccagtg cccgaatccc cagagcctca cctcaggccc tctgacccag 300

aaacagaatg gccttcggac catggaggtt aaaagagacg ctaagcgaat gtctgcaaaa 360

gaagttacca ttaacgtgac agaaagtatc cgacaggtgg acagaaatcg aaggatggcg 420

aagaactgtg ttaactagca gagtgtgcta ctagaagggc agatggactc ctttggtgc 479

<210> 10344
<211> 42
<212> DNA
<213> Canis familiaris

<400> 10344
gagggcagtg cctggataag tatcattcag ggaaactaaa gc 42

<210> 10345
<211> 269
<212> DNA
<213> Canis familiaris

<400> 10345
atgtgtctcc tgaagctgcc agtagttctc atcatactct cggttgcatt aaaccatctg 60

aaggctactc ccattaaaag tcaccagatg gaaaagcgga aatgcaacac tgccacgtgt 120

gcgactcaac gcctggcaaa tttcttggtt cgtactagca ataatcttgg tgccattctc 180

tcgcctacca atgtgggatc caatacatat ggcaagagaa acacaattga gattttaaac 240

aggggaccat tgaattactt accacttta 269

<210> 10346
<211> 522
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<400> 10346
ggccacgtcc aagttgggcg catatacctc ctctacggca atgacctggg cctgcccccc 60

atcgacctgg atctggacaa ggaggcccac gtgatcctgg agggcttcca gtcctcangt 120

cggtttggct cggctgtggc tgtgttggac ttcaaccagg acggcgtgcc tgacctggcc 180

gtgggagcgc cctcagtggg ctctgagcag ctcacctaca cgggtgcggt gtacgtctac 240

ttcggctcca aacaaggagg aatggctgct tgccccaacg tcaccatctc ctgccaggac 300

acctactgta acttgngctg gacactcttg gccgcagatg tgaatgaaga tggagagccc 360

gatctggtga tgggctcccc tttcgcacca ngtggaggga aacagaangg aatggtggct 420

gcgttttatt ctgcccccag ctggagcaac caagaaaagc tgaacgtgga ggcggccccc 480

tggatggtgc gcggtgagga ggacttctcc tggctaggct ac 522

<210> 10347
<211> 466
<212> DNA
<213> Canis familiaris

<400> 10347
gagagttcac tgtcaggatg gccttgttcc aagaccagag ctacatatct ccttatgaag 60

gggctgcagc tgtgctggct gtcgaatcca tgctctatgt gggtgccatc ttggagaaag 120

gggacacctc ccggtttaac ctattgttga ggaactgcta tgccacacct actaaagaca 180

agactgaccc tgtgaaatat ttcatcatca gaaacagctg cccaaatcaa tatgattcca 240

ccatccatgt ggaggagaat ggggtgtcct cagaaagccg gttctcagtt cagatgttca 300

tgtttgctgg aaattatgac ctagtgttcc tgcattgtga gattcatctc tgcgattccc 360

ttaatgaaca gtgccagccg tcttgctcga gaagtcaaca gcgtagtgaa atagtggcta 420

tcaacccagc tcgggttcta gatttgggac ccatcactcg gagaag 466

<210> 10348
<211> 159
<212> DNA
<213> Canis familiaris

<400> 10348
caacatctgt actagtagag aatgctgaca accttatttc aaagtgttca ctctctttcc 60

tatcctgaaa tcttattttt gtctgcctgg atattttcca gatcccaatc tttttataag 120

cttctactct gttaaactac ttggatcttt taatactga 159

<210> 10349
<211> 518
<212> DNA
<213> Canis familiaris

<400> 10349
gaagacccgg tccaaggtat caggaagctt ctgtgtcggt gttgacccta accggaattg 60

ggacgcaggt tttggagggc caggagccag caacaatcct tgctctgatt cctaccatgg 120

accccatgcc aactctgaag ttgaagtgaa atccatagtg gacttcatca agagtcacgg 180

gaaaatcaag gccttcatta ccctccacag ctattcccag ctgctcatgt tcccctatgg 240

gtatacatgt accaagtcag ataatttcga tgaactgaat gaagtggccc aaaaagctgc 300

ccaatctctg gccagcctgc atggtaccaa gtacaaagtg ggacctatct gctcagtcat 360

ctaccaagcc agcggaggaa gcattgactg gtcatatgac tatggcatca aatactcatt 420

tgcctttgaa ctgagggaca cgggtcgata tggcttcctt ctgccggcca atcagatctt 480

gcccacagct gaagagacct ggcttggctt gaagacaa 518

<210> 10350
<211> 550
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 10350
gttggcactt acttatgtct cgctacagac aaggtggtgc agttccaggc ctctccctgc 60

cccaaggagt cgaacagggc tctgctcaac gacagctctt gctggaccat cattggcaca 120

gagtcagtgg agttctcctt cagcaccagc ctggcgtgga cccgggaacc agtcactcca 180

gtacccctca tcagcaccct ggagctgagc ggtgggggcg acgtggccac gctggagctt 240

cacggtgaga acttccacgc ggggctcaag gtgtggtttg gggacgtgga ggccgaaacc 300

atgtacagga gcccgcggtc cctggtgtgc gtggtacccg acatagncgc cttcggcagc 360

gactggcgct ggctgcgcac ccccatcacg gtgcccgtga gcctggtgcg cgccgacggc 420

ctcttctacc ccagcgcctt ctccttcacc tacaccccgg agtacagcgc gcggccgggc 480

cccccgggcg ccctcgagcc cgccacggac gccgacgcgc tcctcgagag catccaccac 540

gagttcacgc 550

<210> 10351
<211> 235
<212> DNA
<213> Canis familiaris

<400> 10351
ccaagagaca cgccgccttc ctcaaggatg tctgggccaa agagccggtg ctggttgcgt 60

ccttcaccat tgggggcctc gctgtgattc tgctcaccct cagtcccttc accaagtacg 120

ccaccatgat caaccaggcc atgccctaca actatccagt gcctctccaa gatgatggga 180

acatgcccga tgtgctccag gactcccagg gccccagcct ggagtggcta aagga 235

<210> 10352
<211> 318
<212> DNA
<213> Canis familiaris

<400> 10352
aagctaccct acgtctgcaa gtaatcgaat tcccgcggcc gccatgtgtc aagaagcaca 60

ggatacctga aatggaaaga ttataactgt gctacgaagc taccctatat ctgcaagttc 120

aaggactagg tctggggaga cctcaggaac ctgagtttta catgcagctc atcatggaca 180

tgggaccaag catgaatact caccctagag tcttcaaata aatatcctcc catacctcca 240

aactgaccac atcattatga ccttccctac ttctcagcct tatctaaaat accgctgtgt 300

cttccataac ttgagttc 318

<210> 10353
<211> 201
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(131)
<223> n is a, c, g, or t

<400> 10353
ttcctgagaa atcacctgct atcaactggg cttactacaa gnccaatgtg gcaaaagctg 60

gcttggtaga tgactttgag aagaagtttg atgccctgaa ggttcctgtg caagaggata 120

aatacactgn ncaggtggat gctgagaaaa aagaagacgt gaaaagctgt gctgagtttc 180

tgtctatctc aaaggccagg a 201

<210> 10354
<211> 449
<212> DNA
<213> Canis familiaris

<400> 10354
agcacggatt ctgaggttct gggccactac aacatcactg ggaacaccat ttctctcttt 60

cgcctggtgg acaacaaaaa actggattta gagagcaaat acattgaaag cattgatgcc 120

accaaattaa gccgtttcat tgagatcaac agtctccact tggtgacaga gtacaaccct 180

gcgactgtga ttggcctatt taatagcatg atccagattc atcttctact gatgatgaac 240

aacgcctctc cagagtatga agaaagcatg tccagatacc agaaggcagc caagctcttc 300

caggggaaaa ttctttttgt tctggtggac agtggcgtgg aggcaaatgg gaaggtgatc 360

tcatttttca aactaaagaa gtctcaactg cctgctttgg caatttaccg tactgtagat 420

gaagagtggg atacactgcc catggcaga 449

<210> 10355
<211> 215
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<400> 10355
aactcatttc tatttcatct gcatagtgta tatttcatat taaaatacgc tgatgataga 60

gtgcaagtga atagggggct ccaggcaaga ggtgaattta nattttaagt gcactagtga 120

gtactactcc tttatgcctt tttaccattt tttggactag agcatattta acatccctat 180

atgttgttag ccattcccat gtgccctttg gattg 215

<210> 10356
<211> 255
<212> DNA

<213> Canis familiaris

<400> 10356
tagagccttt ccctgtctgc acagtcaagc attgtggatg aggttttcct gagcaccctc 60

tccccgtggt cccctgaaat gtcaccacaa ctcaactcag caactcaact caactcgagt 120

ttgtggaagg agggatggag actggtcacc tccacttcca gtgtgaacac ggggtggggg 180

tgtggcaagg gcacgccctc cgtaccttct cgggccagac aaaagtttaa catggagatt 240

gacaaatgcc tttaa 255

<210> 10357
<211> 129
<212> DNA
<213> Canis familiaris

<400> 10357
gggcaagcag ggtgtcatcc cccctgcggc gaggccggga cgccggccag gtaagaagcc 60

gcatcccgcc aggaagtctc ggccaaaggc accacctgtg gatgacatgg aggttgaaga 120

gctggtact 129

<210> 10358
<211> 526
<212> DNA
<213> Canis familiaris

<400> 10358
aaagttaccc tcaacagcta tgtccagctg ggtgtcctgc cgcaggaggg agccatcctg 60

gccaacaaca gtccctgcta catcacaggc tggggcctga ccaagaccaa tgggcagctg 120

gcccaggttc tgcagcaggc gtacctgccc accgtggact acgccatctg ctccagctcc 180

tcctactggg gctccatcgt gaagaaatcc atggtgtgcg ctggaggaga cggaattcgc 240

tctggatgcc agggtgattc tgggggcccc ctccattgct cggtgaatgg caagtacact 300

gtccatggag tgaccagctt tgtgtccagc ctgggctgta acgtctccag gaagcccaca 360

gtcttcaccc gggtctctgc ttacatcacc tggataaaca acgtcattgc ctccaactga 420

acatcttcct gaacccaaag gccttcctaa gtgatgcttg gatccacagt aggacttgag 480

gccatcaggg gaaaaatgtt ctgaaagacc tttgagccag atacag 526

<210> 10359
<211> 326
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<400> 10359
ggctgtgagc tgaccaacgt caccatcgcg gtggagaagg aggagtgtcg cttctgcata 60

agcgtcaacg ccacctggtg tgccggctac tgctacacgc gggatctcgt gtacaaggac 120

gcggccaggc ccagcatcca gaagacatgc accttcaggg agctggcgta cgagacggtg 180

agagtgcccg gctgcgccng ccacgcggac tccctgcaca cgtatccagt cgccaccgag 240

tgtcactgcg gcaggtgtga cagcgacagc accgactgca cggtgcgcgg cctggggccc 300

ggctactgct ccttcggaga gccgca 326

<210> 10360
<211> 490
<212> DNA
<213> Canis familiaris

<400> 10360
ttagaccaat ggctcatcca acagccactc ccaaaattct gtgcagtttt gctcaggtca 60

tgctaacagg gaaacctcaa atataagcct aactagcctt ctgggatcaa aagttagagg 120

aaaaatctga ttttattacc tagatctgtt ttacagacag ctggatttca caccctgttg 180

tcagcaaaac agctagttag gtagaaacac atagttccaa gtagttaaag tcacctgatt 240

aaaatgttct tacctatcgt ctctgtagtt cctctatgca ggacggtaca aatttgcggg 300

acatgctcct ggtaacacac agatatgggt tatgtatgac atccaaaatt atagctgata 360

ttgatgggta acaactgcta aggtccacag aatgaagaat gtattgtatt gagggataga 420

aattgatcac acaatgggta acaaccacag agctcgaaga tttgtgattg ttaaaacttc 480

tctggcactt 490

<210> 10361
<211> 522
<212> DNA
<213> Canis familiaris

<400> 10361
agagcatctc ctccgaactg gaaggcaaga tcatgccagt taaatacgaa gaaaattctc 60

tcatctgggt ggctgtagac cagcctgtga aggacaacag cttcttgagt tctaggatct 120

tagaactctg tggcgacctt cctattttct ggctgaagcc aacgtatcca agagaaatcc 180

agagagaaag aagagaattg gcaagaaaaa tcgttacaac tactacaaga cgaccacgca 240

gtggaccacg gggcaaccca ggccctggag gaccaaataa tgaaaccaga cccagtgttc 300

aagaggattc agaacccttc aatccagaca acccttacca ccagcaggaa ggggaaagca 360

tgacatttga ccctagactg gatcacgaag gaatctgctg tatagaatgc agacggagct 420

acactcattg ccagaagatc tgtgaacccc tgggggggcta ctatccatgg ccttataatt 480

atcaaggttg ccgatcagcc tgcagagttg tcatgccttg ta 522

<210> 10362
<211> 473
<212> DNA
<213> Canis familiaris

<400> 10362
agagaaagcc caagatcacg gcctcccgga aactcctgct gaagagcctg atgctggcca 60

aggccaagga gtgctgggag caggagcacg aggagcggga ggctgagaag gcccgctacc 120

tgtgccggga cctgcacgcc aaggtggagg tggtggatga ggagagatat gacattgagg 180

ccaaatgcct gcacaacacc agggagatta aggacctgaa gctgaaggtg ctggacctcc 240

gtgggaagtt caagcgcccg ccgctgcgcc gggtccgggt ctcggctgat gccatgctca 300

gggccctcct gggctcgaag cacaaggtgt ctatggacct gcgggccaac ctgaagtccg 360

tgaagaagga ggacacagag aaggaacgcc ccgtggaggt gggggactgg aggaagaacg 420

tggaggccat gtccgggatg gagggccgga agaagatgtt cgacgccgcc aag 473

<210> 10363
<211> 296
<212> DNA
<213> Canis familiaris

<400> 10363
atgtctaact aagtggagct ctcaagatca agcattattt acgaagactg gctggaaagt 60

tattgcagta acacccatga ctcaccgtcc agacctgctt accatcattc agacagcaaa 120

acaacatgga ccgttctaga ctgaaggact ccctgaattt ttatatactt catgttcctc 180

tctgaattgt attcatacca cacaaatcaa gtgtctcctg ctctagacaa aaaggataaa 240

atactgacaa cctcaaattc aagcaccact tttaattttc caccaggagt caatgg 296

<210> 10364
<211> 356
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<400> 10364
tacaggacat cccaataccc atgctaactg anttatgtga ggccatgaag aaaaatacct 60

acgtccggag cttcagtctt gtggccacaa ggagtgggga ccccattgcc aatgcggtgg 120

ctgacatgtt gcgtgagaat cgtagcctcc acagcctgaa cattgaatcc aacttcatta 180

gcagcacagg gctcatggct gtgctgaagg cagttcggga aaatgccaca ctcactgagc 240

tgcgtgtaga caaccagcgc cagtggcctg gtgatgcagt ggagatggga gatggccacc 300

gttctcgaac agtgtccctc cattgtccgc tttggctacc actttacaca gcaggg 356

<210> 10365
<211> 416
<212> DNA
<213> Canis familiaris

<400> 10365
atgatcgctg agttcaaggc tgccttcgac atgttcgacg ctgatggtgg cggggacatt 60

agcgtcaagg agttgggcac ggtgatgagg atgctgggcc agacccccac caaagaggag 120

ctggacgcca tcatcgagga ggtggacgag gatggaagcg gcaccatcga cttcgaggag 180

ttcttggtca tgatggtgcg ccagatgaaa gaggatgcga agggcaagag cgaggaggag 240

ctggccgagt gtttccgcat cttcgacagg aacgcagacg gctacatcga tgcggaggag 300

ctggctgaaa tcttcagggc ctccggggag cacgtgacag acgaggagat tgagtccctg 360

atgaaagacg gcgacaagaa caacgacggc cgcatcgact tcgacgagtt cctgaa 416

<210> 10366
<211> 292
<212> DNA
<213> Canis familiaris

<400> 10366
tccatctctt tgaaccgtgt cacagatcca gaagatgaaa gaaggaagta accagtcctt 60

ttgccccttc ttccccaccc tgatagtgat gcatcttcag ccagagctgt ggcacaaact 120

cccacgttcc cctccctgac atttttctgt ttataaacat gatggtccct tccactttgc 180

accctcaaca ccccatcttc ccttctgctc ttgtaaaacc tcccctcccc aaccccgtgg 240

ggcttgcagg gacaaggcga cggattgagc tgagctgctt atttattgaa aa 292

<210> 10367
<211> 587
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<400> 10367
gggattctcc tacagcaaag gcagcagtgg aggccaggcc ggggngagtg gctctgccac 60

acatcatggc tctgaccagc atcaccatca gggctctggg tctggatctg ggggtacagg 120

tggtcctggg ggccagactg gcaaaggagg agctgctgga acagcaggga cgggtggaga 180

aggaaaacat atcactgtgt tcaagaccta tatttcccca tgggagagag ccatgggggt 240

ggactctcag cagaaagtgg agcttggcat cgacttactg gcctatgggg ccaaacctga 300

acttccccaa tataagtcct ttaacaggac agcaatgcct tatggtggat atgagaaggc 360

ctccaaacgc atgaccttcc agatgcccaa gtttgacctg gggcccctac tgagtgaacc 420

cttggtcctc tacaaccaga gcctctccaa caggccttct ttcaatcgaa cccctattcc 480

ttggctgagc tctggggaac cagtagatta caatgtggat attggcatcc ccttggatgg 540

agaaacagag gagctgtgag gtgtttcctc ctctactttg tatcaat 587

<210> 10368
<211> 544
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<400> 10368
agaaacgcaa cagggccatc acggcccgga gacagcacct gaagagtgtc atgctccaga 60

ttgccgccca ggagctggag aaagaagaga gtcgccgtga gtctgagaag cagaactacc 120

tgtctgagca ctgcccgcct ctgcacctgc ccggctccat gtccgaagtg caggagctct 180

gcaaacagct gcntgccaag atcgacgcag ccgaggagga gaagtatgac atggaagtga 240

gggttcagaa gagcaccaag gagctggagg acatgaacca gaagctgttc gacctgagag 300

gcaagttcaa gaggcccccg ttgaggaggg tgcgcatgtc tgccgacgcg atgctcaagg 360

cgctgctggg ctccaagcac aaggtgtgca tggacctgag ggccaacctg aagcaggtca 420

agaaggagga caccgagaag gagcgggacc tgcgtgacgt gggtgactgg cggaagaaca 480

tcgaggagaa gtctggcatg gagggcagga agaagatgtt tgagactgag tcctaggcca 540

cttg 544

<210> 10369
<211> 589
<212> DNA
<213> Canis familiaris

<400> 10369
gctctcattg acagccactt tgaagcacgc aagaaggagg aagaggagct gattgctctt 60

aaggagagga ttgagaagcg ccgcgcagag agagccgagc agcagagaat ccgcgccgaa 120

aaggagagag agcgccagaa cagactggcg gaagaaaaag cccggaggga ggaggaggat 180

gccaagagga gagccgagga tgacctgaag aagaagaaag ccctgtcctc catgggcgcc 240

aactacagca gctacctggc caaggctgac cagaagagag gcaagaagca gactgcccgg 300

gagatgaaga agaaggttct ggcagagaga cgcaagccac tcaacattga ccacctcagt 360

gaggacaagc tgagggacaa ggccaaggag ctctgggaca ccctctacca actggaaaca 420

gacaagtttg agtttgggga gaagctgaag cgccagaaat atgatatcat gaacatgcgg 480

gccagagtgg agatgctggc caagtttagc aagaaggccg gggccccggc caagggcaaa 540

gttggtgggc gttggaagtg aagcagccgc agaagctccc agaggcaga 589

<210> 10370
<211> 391
<212> DNA
<213> Canis familiaris

<400> 10370
tcccgaatga cgtcctgttc ctagaccaca tccgccaggg tgacttggag caggtcgggc 60

gcttcatccg ggctcggaaa gtcgccctgg acaccatcca cccgtcaggc ctggccgccc 120

tgcacgaagc agtgctctct ggaaacctgg agtgcgtgaa gctgctggtc aaatacggcg 180

cagacatcca ccagcgggac gagaccgggt ggacacccct gcacatcgcc tgcagtgacg 240

gctatcccga catagccagg tacctcatct ccctgggggc agacagagac gccaccaacg 300

atgacgggga cctgccctct gacctcatcg acccggactt caaggacctg gtggagctct 360

tccaagggac caagatggac tgagccccgc c 391

<210> 10371
<211> 507
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<400> 10371
tgctgcctgg tggttcatgt atgcagatga cgggcntggt gtcacctaca gccagctggt 60

agggaggaca gagaaaggan aagggtgggg agcaggaggg aggcatggag gcttctgtgg 120

gatgccactt tctcactcct ccccctgcag actcacttca tgcagtgcaa tgaggaaaac 180

caattttgag ggcgtggact gcgagatctt tgaggcccct gagcccatga ccatggcctt 240

gtccgtgctg gtcaccanag aaatgtgcaa cgctctcaac agcctgtctg agaaccagtc 300

cctcctgcgg atgcccccct gggtaaacat ctggctgctg ggctccatct gcctctccat 360

gtccctccac ttcctcatcc tctacgttga ccctctgccg atgatcttca agctccgggc 420

cctggacttc acccagtggc ttatggtcct caagatctca tttccagtca ttgggctcga 480

tgaggtcctc aagttcattg ctcggaa 507

<210> 10372
<211> 282
<212> DNA
<213> Canis familiaris

<400> 10372
taatgccaag aagcccagac agccttgtgg acatgtgcaa tgtgttacag ttctgtggtc 60

tccccacact cacaatgaag cggctgtctg gaaatgtaaa ggctgcgcct tcctaaaaat 120

aatgctacca aaagagcatt tagatatttc ttaacaaatc catcagtgac tacagcaacg 180

atgacgaaaa cctgccaaga tgatgaacct ggtggtagct tcacaagtcg ttcaggcata 240

aaagtctcac gcaagaaaaa ccaagtcccc tgatttttca tg 282

<210> 10373
<211> 494
<212> DNA
<213> Canis familiaris

<220>
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<222> (47)..(47)
<223> n is a, c, g, or t

<220>
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<222> (54)..(54)
<223> n is a, c, g, or t

<220>
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<222> (67)..(67)
<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

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<222> (117)..(117)
<223> n is a, c, g, or t

<220>
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<222> (133)..(134)

<223> n is a, c, g, or t

<220>
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<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (384)..(387)
<223> n is a, c, g, or t

<400> 10373
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actattncac agncaaggaa ttatgaatct ttngtcanac agtntttctc atncagngga 120

atccattgta tcnncagttt ccaagcagta ttgaatagtn ctaggatggt ttgggttgtc 180

agctgggaca tgaaaaaaat agctttatca cacagaactg gatattataa tatatactca 240

ctaaaatgga attctaacag ttcaataaac ttccagtgga ttaattaaaa tcatccccca 300

tactgtatca taccaagatt tgatttgcat accatctgtt gcaatgcact tggctttact 360

ttattgtcaa tgagaattan tnannnncaa atgccttcgt ggttttgtcc atgctagact 420

tatgatttca cacccctcc gaaatcatta tcctaaagta actttcctta ggcatctatt 480

tgctgggaat cttc 494

<210> 10374
<211> 236
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

<400> 10374
attttctctt ctcatgttca atttgaaagg gaatgctaag caggatgtcc ctactgtaaa 60

tccagtatcc tggtgggaat ggagggaaaa aggagggaaa tatctatctt tccagtcttc 120

actccaagtc cccactccaa gcatccttcc tcaccagctc agagctntcc ttctacttgc 180

tctgtatgga acctgttctt ttatggaatt tgctctgcca ccggtaacag tcaata 236

<210> 10375
<211> 427
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (353)..(353)
<223> n is a, c, g, or t

<400> 10375
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gccaaaagaa ctggcataaa tggcaacaga ataatctaga agaacaagga attgagataa 120

tgnctcgggt cagagcttgg acagtttcag caacatactt ccggagccag gtggtggaac 180

caggaacaag gctggcatct gatagaagca ttttgtcaag gcagaggcnn aaaaaaaaan 240

gggggggggg tggagctgac aaggaatggg gaaggagaga aaaagaaaaa gaattactat 300

tctgggacat tttctacttc caatcagttt gagtaattac aatatttagt cangcttcca 360

gcagcagaag ttaaaaaaaa ttttttcac aaacatttgt tttactattg ctttcttctg 420

gtcgata 427

<210> 10376
<211> 376

<212> DNA
<213> Canis familiaris

<400> 10376
ggagatgttg ctggactttg tcaatgcgat gaagaaaaac aaacacatca aaaccttcag 60

tttagcgaac gtgggcgccg acgagaacgt tgcctttgcc ttggctaaca tgttgcggga 120

aaataggagc attaccactc tcaacatcga gtccaatttc atcacaggca aaggaattgt 180

ggccatcatg aggtgtctcc agttcaacga gacactcacc gagcttcggt ttcacaatca 240

aagacacatg ctgggccatc acgctgaaat ggaaatatcc aggctgttga aggcaaacac 300

cactctcctg aagatgggct accattttga gctcccaggt cccaggatgg tggtaaccaa 360

tctgctcacc aggaat 376

<210> 10377
<211> 541
<212> DNA
<213> Canis familiaris

<400> 10377
aacatcgtgg tgctcaacag cctgagaaag gaacgaggca tgaatacatt cctgttccga 60

cctcactgtg gggaagctgg ggctatcacc catctcatga cagcattcat gacagcagat 120

aatatctctc atggcctgaa tttaaaaaag agtcctgtgt tacagtactt gtttttctta 180

gcccagattc ccatcgctat gtcgccatta agtaacaaca gcttatttct agaatatgcc 240

aaaaatcctt ttctagattt cctccagaag ggattaatga tctcgctgtc gacagatgac 300

ccaatgcaat tccacttcac caaggagccc ctaatggagg aatatgccat tgctgcacaa 360

gtgttcaagc ttagtacctg tgatatgtgt gaagtggcaa gaaacagtgt tctgcaatgt 420

ggaatttctc atgaggagaa agtaaagttt ctgggtgaca attaccttga ggaaggccct 480

atgggaaatg atatccggaa gacaaatgtt gcccaaatcc gcatggccta tcgctatgaa 540

a 541

<210> 10378
<211> 550
<212> DNA
<213> Canis familiaris

<400> 10378
agaagtctgc tatcagttct caccgagcca actctgagaa tggggatatc cacccgggag 60

ctgtttctca acttcactat tgtcctgatc accgttattc ttatgtggct ccttgtgagg 120

tcctatcagt actgagaagc catgtcatgc tcctgggatt gactgcaact ctccagagct 180

gctgctctga gctcccactg ctgtcatggg atgcttttct cagcacccca gggcatttct 240

gacccacact cacaatatct gaggtgcctc cagtgttagg attgattgtg tgtactctaa 300

agatgctgct tgcaagcgct gccaagtatt tgccagtgag cattagattt attcctcaac 360

tcttactgca aatgtgttag acaagccaca aggttaaaat taaatgattc atgatggtgt 420

agaattgtaa caagcccctg atctgtctta ccacacagcc cttccaccca cactgtctgc 480

aaccaaacac taaatcaact caccagaaga aagaaatgtt agaggaagtc attgtcaacc 540

cctgtagcta 550

<210> 10379
<211> 263
<212> DNA
<213> Canis familiaris

<400> 10379
gaaatatgat atcaccaatc tcagaagccg catcgatcag gcccagaagc atagcaagaa 60

ggccggggcc ccggccaagg gcaaagttgg tgggcgttgg aagtgaagca gccgcagaag 120

ctcccagagg cagagaccct cggcctgagc tgcccccatg gcagcgtctg gccccccggc 180

ctgagggcgg agagcctgcc cccaggcacc ccacatgtct ctgtcctggc tgcccccatc 240

tccgggggtc tgtgaataaa gct 263

<210> 10380
<211> 178
<212> DNA
<213> Canis familiaris

<400> 10380
gaaaccacct gctattgttg ccaaaaagcc tgaaccacca ccagtgaaag aagtaaaact 60

aactaatatc tttaaagtgc cagaggtgcc aaagaaacct gtctttgaag aggaaccagc 120

cattcctgtt cccgagaaag cagagtctcc tcctccagaa ggtacatata agaccatt 178

<210> 10381
<211> 35
<212> DNA
<213> Canis familiaris

<400> 10381
tcctcctcca aaagtgcctg aggtacccaa ggaag 35

<210> 10382
<211> 151

<212> DNA
<213> Canis familiaris

<400> 10382
ccctccagtg catgaggagc ctgaagaagt tgcctgggaa gagcccccgg ccgaagctgt 60

ggaagagcca gagcctgctc ctcctccaaa agtgcctgag gtacccaagg aagttgtccc 120

tgaaaagaag gtgcctccag tggttcccaa a 151

<210> 10383
<211> 437
<212> DNA
<213> Canis familiaris

<400> 10383
cagggtccgt gaacttgaag gagaagttga aagtgaacag aagcacaaca ttgaaactgt 60

caagagtcta cgcaaacatg agaggagagt gaaagaacta acttaccaga ctgaggaaga 120

ccgcaagaac gtgctcaggc tccaagatct ggtggataaa ctgcaagcga aggtgaaagc 180

ttacaagaga caagctgagg aagcggagga acaatccaac gtcaacctct ccaaattccg 240

caagctccag cacgagctgg aggaggccga ggagcgggct gacattgccg aatcccaggt 300

caacaagctg cgggtgaaga gccgggaggt tcacacgaaa atcataagtg aagagtgatt 360

caaccaaatg ctaaaaagtg accaaagaaa tgcacaaaat gtgaacatct ttgtcactct 420

gttttctact tcagtat 437

<210> 10384
<211> 426
<212> DNA
<213> Canis familiaris

<400> 10384
agagtgagca aaagcgtaac gcggaagctg tgaaaggtct gcggaaacac gagaggcgag 60

taaaggaact cacttaccag acggaagaag atcggaaaaa tattctcaga cttcaggatt 120

tggtagataa acttcaagcc aaagtgaaat cttacaagag acaagctgag gaggctgagg 180

aacaatccaa cacaaatcta tctaaattcc gcaagctcca gcatgagctg gaggaggctg 240

aggagcgggc tgacattgcc gagtcccagg tcaacaagtt gcgggtgaag agccgagagg 300

ttcacacgaa agtcataagt gaagagtgat catgtccgga tgctatggaa tgattgaaga 360

gaggcacaaa atgtgaagtc tttggtcatt tccctctata attattgtct attctaccct 420

attgca 426

<210> 10385
<211> 391
<212> DNA
<213> Canis familiaris

<400> 10385
tgccccagcc aaacccaaag aagaaaaaat tgacctctct gccattaaga tcgagttctc 60

taaggaacag caggatgaat tcaaggaggc atttctcctg tttgacagaa caggtgacag 120

taagatcacc ttaagccagg ttggcgatgt ccttcgggct ctgggcacaa atcccaccaa 180

tgcggaggtc aagaaggtgc tgggaaaccc cagcaatgaa gagatgaatg ccaagaaaat 240

tgagtttgaa caatttctgc ccatgatgca agctatttcc aacaacaagg accagggcac 300

ttatgaagac tttgttgagg gtctgcgtgt ctttgacaag gaaggcaacg gcacagtcat 360

gggtgctgaa ctccgtcatg ttttagccac a 391

<210> 10386
<211> 414
<212> DNA
<213> Canis familiaris

<400> 10386
gggtagggca aagatccctg ctcacctccc tcagtaaact tcttgggaag aaaaaggagc 60

tacaagactt ggagctcacg cttgaagggg ctctagacaa aggacatgaa gtgaccctgg 120

aggcactccc aaaagatgtc ttggtatcaa aggaggctat gggtggcatc ctctatttcc 180

ttggagccct aacagagcta agtgaagccc aacagaagct actgataaaa tcgatggaga 240

aaaagatcct atccgtgcag ctaaagctgg tggagagcac aatggaacac agtttcctac 300

aggataaaga gggtgttttc cccctgcagc ctgacctgct ctcctccctt ggggaagagg 360

aactgaccct cacagaggcc ctagtggggc tgagtggcct cgaagtgcag agat 414

<210> 10387
<211> 67
<212> DNA
<213> Canis familiaris

<400> 10387
tggagtgtga gctaaatgaa gattcaatga gtgtgttttc tagcatcctc tctacttttt 60

actgcct 67

<210> 10388
<211> 286
<212> DNA
<213> Canis familiaris

<400> 10388
agagagctgc tctatttcct tcattgctct aatatggcag acgccccgta acacctcttt 60

tttctttact tcccaaaatt gtagactcca aatccctttt ctcattctct cctactgctt 120

agattcccct ggtactacag tgccctccct gccagataac cattctctaa agtttcctct 180

gtcatgtctt tgagatggta caatccagta gctaaccctt cccattcaga ttcttgactg 240

ggaaacccct gaaatgtccc atagtaactc tggttcctgg acaagt 286

<210> 10389
<211> 348
<212> DNA
<213> Canis familiaris

<400> 10389
catgtcctac ccagtgacca gtcagcccca gtgcgccagc agttgttacc agacccagct 60

cagtgattgg cacacgggcc tcaccgactg ctgcaatgac atgcccgtct gtctgtgcgg 120

caccttcgcg cccctgtgcc tggcctgccg catctccgac gacttcgggg agtgctgctg 180

cgcgccctac ctgcccggag gcctgcactc cctgcgcacc ggcatgcggg agcgctatca 240

catccagggc tccgtggggc acgactgggc ggccctcacc ttttgtttgc cctgcgccct 300

ctgtcagatg gcgcgggaat tgaagatccg agagtgagga ggctcccc 348

<210> 10390
<211> 473
<212> DNA
<213> Canis familiaris

<400> 10390
gtgcttctct atctacatca acaatcccat agtcaaattc tggtcctgcc tctttcttct 60

cagcaagatc attgaacttg gagacacggc cttcatcatc ctgcgtaagc ggccactcat 120

ctttgtacac tggtaccacc acagcacagt gctagtgtac acaagctttg gatacaagaa 180

caaagtgcct tcaggcggct ggttcatgac catgaactac ggtgtgcatt ctatcatgta 240

catctactac actctgaggg ctgccaaagt gaagtccccc acgtggttac ccatgctcat 300

caccagcttg cagctcctgc agatgtttat gggagccact atcagcatcc taacttacat 360

ctggagacag gaacagggat gccacaccac agcggaacac ttcttctggt ccctcatctt 420

atatgcgacc tatttcatcc tctttgccca tttcttccac caaacctata tag 473

<210> 10391
<211> 581

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (506)..(506)
<223> n is a, c, g, or t

<400> 10391
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gaccagaaac tgtacccgga gaagtgtctg gaacagcagc aggagcaaca agagtcacag 120

gaccagaaac tgtacccgga gcagtgtctg gaacagcagc aggagcaaca agagtcacag 180

gagaaggaac ttcatctgga acaggaacag cagaaggagg agctacagca gcaggaacag 240

cagcagggaa aggaacagtg tgagaaacat caggaagcaa aaaatctgga gcagcagcta 300

gagcagatag gagcacaaag gaagcagcag caaaaggaac agctggaaca ggaaaagaag 360

ctcgtggacc agcacctgga tcaagagcca gcacagagaa ctgagcaacc ggaaaagaaa 420

gaagagcagg tgctggagca gcaggggcag caggaggggc agctggagca gcctgccttt 480

gtcccagctc tggctcaggt ccgagngccc ctgaagggag aagtcctgcc cctcatagag 540

cagcagcacc agaagcagga ggttcatgac cctccagaac a 581

<210> 10392
<211> 429
<212> DNA
<213> Canis familiaris

<400> 10392
gatgcagcac tgaaggtact ttatctgcat gataaccagc ttctagctgg agggctgcat 60

gcagggaagg tcatcaaagg tgaggagatc agtgttgtcc ccaaccggtc tctggatgcc 120

aagctgtctc cagtcatcct gggcgtccag ggaggaagcc agtgcctgtc gtgtgggaca 180

gggcaggaac caactctgaa actagagcca gtaaacatca tggaactcta ccttggtgcc 240

aaggaatcca agagcttcac cttctaccgg cgggacacgg ggctcacctc cagctttgag 300

tcagctgcct acccaggctg gttcctctgc accgtgcctg aagcagacca gcctctcaga 360

cttacccagc tctcagagga tgccagctgg gacaacccca tcacagactt ctacttccag 420

cagtgtgac 429

<210> 10393
<211> 255
<212> DNA

<213> Canis familiaris

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<400> 10393
acaagtcaac atctctgtgg tgcagtccac cgtctctggc ggctatgntg gcgctggtgg 60

ctttggcggt gccagcggta tgggcagtgg ctcaggcctg ggtggaggca gcggctactc 120

ctatggcagc ggccntggcc ttggagctgg cttcagttcc agcagtggcc gaggcgtggg 180

nagtgntttc agctcctctg gaggcagcag ttccaccatc aaatacacca ccacctcatc 240

ctccagcagg aagag 255

<210> 10394
<211> 64
<212> DNA
<213> Canis familiaris

<400> 10394
caagcaggag attgccgaga tcaaccgcat gatccagagg ctgagatctg agatcgacca 60

tgtc 64

<210> 10395
<211> 149
<212> DNA
<213> Canis familiaris

<400> 10395
agtgtcctgg gaaagcagtc tccatgatgc atcaagaacg gaagttcaat ttgtctgtca 60

ttagagaccc acccatgcag gttcttgagc tcaagtatca tggtggcata agcatgtaca 120

taatgctgcc tgagaatgac ctatcccaa 149

<210> 10396
<211> 197
<212> DNA
<213> Canis familiaris

<400> 10396
atcgccaacc gtagccggac ggaagctgag tcctggtacc agaccaagta tgaggagctg 60

cagcagacag caggccgtca cggggatgat ctccgcaaca ccaagcaaga gatctctgag 120

atgaaccgga tgatccagag gctgagagcc gagattgaca atgtcaagaa gcagtgcgcc 180

aacctgcaga atgccat 197

<210> 10397
<211> 452
<212> DNA
<213> Canis familiaris

<400> 10397
gagctatttt gctctatgtt atagtagatg atgtcaatat tttcaaagcc acaatataca 60

tcttatttta catctgtagt ctatgtgaaa ttttgatagt ctgtagcatg tcaaaatgca 120

gaggtgtaaa taaagtcatt tacagggact cttttatttc tttctcccat ttggggaggg 180

gggagcttcc attaatgatg gataatcttt ccagaaataa agtcaagatg tatttattga 240

aatatgcttg attatgctgg atccaggagt ttgaaggaat aaaaataatt actagttaat 300

taattcaagg gaatggtatc tgaccaaaag tagcttctgt gtcactttga tttctcatca 360

gaagtgtttt ttaaagactc tggatatctt ccaaaaaaat tttttagatt gtctaacaaa 420

tgccagagtg accatcttta ataactgttg tt 452

<210> 10398
<211> 214
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<400> 10398
ggatccagct gctgtgagcc ttgctgctgc ctcccaacgt gctgtcacac cacctgctgc 60

aggaccacat gctgcaagcc nacatgctgt ntgtccagct gctgccngcc nagctgctgt 120

gggtccagtg gctgcgggtc agctgctgc cagccttgct gctgccgccc aacgtgctgt 180

cacaccacct gctgcaggac cacgtgctgc aagc 214

<210> 10399
<211> 134
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<400> 10399
gaaggacaat cactagactc agagactcag tcaggntcag tccangaacg gtccaggtcc 60

agtcagagga gacaacgtgg cagtagtgca cacggcagtt ctgagcactc agcatcttat 120

ttctaccagg tagc 134

<210> 10400
<211> 447
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)

<223> n is a, c, g, or t

<400> 10400
ttaagctgga tgttgagccc accgtggacc tgggcagagt gctggaggac atgaggtgcc 60

actatgaggc catggtgcag accagccgca atgatgtgga ggagtggttc caagatcagt 120

ctgagagcat cagccagcag gacatgtcct gctctgagga gttgcggtgc tgccagtcgg 180

agatcctgga gctgagacgc acggtgaacg ccctggaggt ggagcttcag gcccagcaca 240

cactgaaaga ctgtctgcag aactntctgt gtgaagccga tgcccgtttt ggcacggagc 300

tggcgcagat gcagatcctg ancagcaacg tggaggagca gctgtctgag atccggggtg 360

acctggagcg gcagaaccag gagtaccagg tgctgctgga tgtcaaggct cggctggagt 420

gtgagattgc cacgtaccgg aaacttc 447

<210> 10401
<211> 444
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<400> 10401
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tctaccagtc aggagcttcc tcagccattg tgttccagcc agtgggctct ggtggggtcc 120

agccctgtgg aggtggctct aaggggccct gctccctctc tggttctgga gtccacagta 180

gttctagtgt ttccagtagt tcatctttcc atccctgtgg tggtgtttca caggggccct 240

gttccccacc aggcactggc acctttggcg gcagctccag ctcccaatcc agtggcaaaa 300

tcatccttca gccctgcggc agcaagtcca gttcttctgg tcacccttgc atttctgtct 360

ccncaacatt gagtgggggt cnggatggtt ctcctcaacc tgatccttca gctggtgcca 420

agtcttgcgg ctctggaaag ctcc 444

<210> 10402
<211> 550
<212> DNA

<213> Canis familiaris

<400> 10402
ctgtggacct aaacaggatg ctggaggaga tgcggtgtca gtatgagact gtggtggaga 60

ccaacctcag ggacgtggag gaatggttca acacacagat ggaggagctt aatcaacagg 120

tggccacaag ctctgagcag cttcagagct accagtcgga catcattgat ctgagacgca 180

cggtcaacac actggagatc gagctccagg cccagcacag cctgagggac tctctggaaa 240

acaccctggc agagactgag gcacgttaca gctcccagct ggcccagatg cagtgcatga 300

tcaccaacgt ggagtcccag ctggctgaga tccgctgtga cctggagcgg cagaaccagg 360

agtataaggt gctgctggac gtcaagcggc tggagtgtga gatcaacacg taccgaggcc 420

tgctggagag cgaggattgc aagttgccct ctaacccatg ctccactccc acctgtcccc 480

cttgtgcacc ttcccccagt gtgtcccgca ccatctgtgt gccccgcact gtctgtgtgc 540

cttgcatgcc 550

<210> 10403
<211> 118
<212> DNA
<213> Canis familiaris

<400> 10403
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tcagagagaa aatcctgggc cgtctgattc agtgtttgtt cagtctcaga atggtagt 118

<210> 10404
<211> 90
<212> DNA
<213> Canis familiaris

<400> 10404
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gtgtttgttc agtctcagaa tggtagtaga 90

<210> 10405
<211> 301
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<400> 10405
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caccacctgc tgcaggacca cgtgctgcaa gcccgcatgc tctgtgtccn gctgctgccn 120

accnagctgc tgtgggtcca gcggctgcng gtccagctgc tgccagcctt gctgctgccg 180

cccaacgtgc tgtcagacca cctgctgtag gaccangtgc tgcaagccng catgctgtgt 240

gtccagctgc tgccagcctt gctgctgccg cccaacgtgc tgtcagacca cctgctgtag 300

g 301

<210> 10406
<211> 540
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<400> 10406
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cagggcgagg tggatgcagt taagaagcag tgccagcaac tgcagactgc catcgcagaa 120

gcggagcagc gtggggatat ggccctgaag gacgctcaga agaagcttgg ggacctggac 180

atggccctgc accaggccaa ggaggacctg gcccggctgc tgcgcgacta ccaggctctc 240

atgaacgtca agctggcccn ggacgtggag ancgccacct accgcaagct gctggagagc 300

gaggagagca ggatgtctgg agaatgcccc agtgcagtca gcatttcggt gaccggcaac 360

tccactactg tgtgcggagg cggcgcggcg ggcttcgggg gtggcatgtc ccttggcggg 420

ggtgggggtg ctggcaaggg cggattcggc accagtgtgg gctatggcac cgtcaaggga 480

gggcccgtct ctgggggcac ctccatcctg cggaagacca ccacggtcaa gacgtcaagt 540

<210> 10407
<211> 72
<212> DNA
<213> Canis familiaris

<400> 10407
aacagcgagc tggtacaaag tggcaagagc gagatttccg agctccggcg cactgtgcag 60

aacctggaga tc 72

<210> 10408
<211> 147
<212> DNA
<213> Canis familiaris

<400> 10408
gaagaagctg atgggaaatc tggatgagaa cagtgaccaa caggtggatt tccaggagta 60

cgcggttttt ctggccctgg tcactatcat gtgcaatgac ttcttccagg actccccaga 120

ccggccctga agcagagctc ttactct 147

<210> 10409
<211> 250
<212> DNA
<213> Canis familiaris

<400> 10409
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gcagagctca aggagctgct gcagaaggag ctgcctacct ggaccccgac ggagcttcga 120

gagtgtgact acaataaatt catgagtgtg ctggacgcca accaggactg cgaggtggac 180

tttgtggagt acatgcgctc cctcgcctgc ctctgcacct actgccacga gtatttcaag 240

ggctgcgccc 250

<210> 10410
<211> 552
<212> DNA
<213> Canis familiaris

<400> 10410
gtcatttcaa atctcccaag tgtcctggga aagcagtctc catgatgcat caagaacgga 60

agttcaattt gtctgtcatt agagacccac ccatgcaggt tcttgagctc aagtatcatg 120

gtggcataag catgtacata atgctgcctg agaatgacct atcccaaatt gaaaacaggc 180

tgacctttca gaatctaatg gagtggacca atccaagaaa aatgagctct cagtatgttg 240

aggtgtttct tcctcaattc aagatagaga agaattatga aatcaaacat catttaagag 300

ccctggggct gaaagacatc tttgatgaat ccagagctga tctgtctggt atagctgcag 360

gaggccgtct atatgtgtcc aaaatggtgc acaagtccta catagaggtc actgaggagg 420

gtacagaggc cactgctgct acaggaagta acattgtaga aaagcagctc ccagagtcca 480

gggtgttcag agctgatcac ccattccttt tcatcatcag gaagaatgac atcatcttgt 540

ttagtggcaa ag 552

<210> 10411
<211> 554
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<400> 10411
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gtctgactgg ggctcataag cttcttcgga ctgacatcta catggatgct gctttcagca 120

taaacccagc cctggacatt ggacagatag aaggagcatt catccaaggc atgggattct 180

ataccataga ggaactgaaa tattccccng aaggcgtgct ttattctcga agtccagatg 240

actacaaaat ccctactgtc actgagatac cagaagagat ccgtgtcact ttggtgcatt 300

cccgaaatcc catagccatc tactcatcca agggattggg tgaatctgga atgttcttgg 360

gatcctctgt gttgttcgcc atatatgatg cagtgactgc tgcccgtaaa gaaaggggc 420

tgaccaagac cttctccctg aatagcccag caactcctga gtggattagg atgacttgtg 480

tggatcagtt tactgacatg attcctagag atgatccttc aacatttaca ccttggtcta 540

tccgtgtgtc ttga 554

<210> 10412
<211> 465
<212> DNA
<213> Canis familiaris

<400> 10412
gcagacatcc aacatttgtg acacaagcat gtctgtgggc actcttggtg gccaaggagt 60

caaaacacag caaagcttcg agatggtcaa aggcggctac actttggatt ccaacaaagg 120

aggtggccat cagaccttgg aatccgtcaa gggagcagga caaggagtaa cggatgctgg 180

cagatataca tataccgact ggcacagctt cacccaacct cggcttggcg aagaatccat 240

tagaggacac actctgatta aaaattaaac agtaaaagaa ggtgtatctg tgtggacaag 300

acgaggagca taaacattct gaagactacg ttcgttcgta taactatgaa ggaaaaggat 360

ctgtggctgg ctctgtaggc tgctgcagtg atcggcagga agaagaaggg cttgagtttc 420

tagatcatct ggaacccaaa tttaggacgc tagcaaagac atgtg 465

<210> 10413
<211> 579
<212> DNA
<213> Canis familiaris

<400> 10413
gactgagctc cggaggacgc tccagggcct ggagattgaa ctgcagtccc agctcagcat 60

gaaagcatcc ctggagagca gcctggagga gaccaaaggc cgctactgca tgcagctgtc 120

ccagatccag gggctgatcg gcaacgtgga ggagcagctg gcccagctgc gctgtgagat 180

ggaacagcag agccaggagt accaggtgct gctggatgtg aagacaaggc tggagcagga 240

gatcgccacc taccgccgcc tgctggaggg cgaggatgcc cacctctcct cccagcaagc 300

atccagccat tcctattctt cccacaatgt ctcctcctcc tcctcatcct cctctggcct 360

ccagactcgg cccatcctca aggagcaggg ctcttccagc ttcagccagg gccagagctc 420

caagcactga gctgcctgtt ccagagcctc ctgcccgcct accggcccca acctcctgaa 480

ggcctgggcc acggccctgc tctcccagcg cggtttccag ctgtctcccc tccccctccg 540

ctggtggtgg gctaataaag ctgactttct ggttgatgc 579

<210> 10414
<211> 421

<212> DNA
<213> Canis familiaris

<400> 10414
gaactaccca ggatctttct gtggctcttc ctaccccagc aacctgttct gcggcactaa 60

cttccgctct cccagaacct tccagttggg atcctctctc aacagtgact gtcaggagat 120

cggctgtgaa cctaccggct gccggacgtc ctacctggtg tccagcccct gccagacatc 180

ctgctacccc tcgaggacct ccatgctcta tggtccctgc cagacgactt acactgggtc 240

tctgggcttt ggctccagtg gctttcaatc ttttggttgt ggctctccct ctctgggctt 300

tggatggagt ggtttcccat cagtgggctg tggtcccagt gctttttcat ccctgggttg 360

tagatccagc ttttaccgtc caacttacct ctcttctaga agctgccagt ctactgctta 420

c 421

<210> 10415
<211> 192
<212> DNA
<213> Canis familiaris

<400> 10415
atgcactgca acaacttctc cggtgctgtc ttcccaggat gctactgggg cagcttcggc 60

taccccctgg ggtacagcgt gggctgtggc tatggcagca cctactcccc agtgggctat 120

ggcttcggtt acggctacaa cggctgtggg gccttcggct acagaagata ctggccattt 180

gatctctact ga 192

<210> 10416
<211> 253
<212> DNA
<213> Canis familiaris

<400> 10416
atgactcgtt tcttctgctg tggaagctac ttccctggct atccttgcta tggaaccaac 60

ttccacagga ccttcagagc taccccccctg aactgtgtcg tgcccctggg atctcccctg 120

aactatggtt atggatgcaa tggctacagc tccctgggct acagctttgg tggtagcaac 180

atgtacaaca ggggctgttg ctatggtggc agcttttgca ggccatgggg ctctaactct 240

ggcttcggct aca 253

<210> 10417
<211> 205
<212> DNA
<213> Canis familiaris

<400> 10417
tgccgcccac tgcatgatga gtgaatacaa cgtgcacatg ggcagcgatc agctgagtga 60

taagagagcc cagaagattc gggccacgag gtcattccgc caccctggct attccactca 120

gacccacgtt aatgacctca tgcttgtgaa gctaagtaaa caagccaggt tatcatcgag 180

agtgaagaaa gtcaacctgc cctcc 205

<210> 10418
<211> 562
<212> DNA
<213> Canis familiaris

<400> 10418
gaagagtgct tcactgcaac agcagatttc tgatgatgca ggagcggcca ccacagctag 60

gaatgagctg acggagctga aacgcaatct gcaaaccttg gaaatagaac ttcagtcagt 120

catggctacg aaacattcct atgaatgctc cctggccgaa acggaaggca attactgcat 180

ccagctccag caaattcagg accagattgg agctatggag gaagaactgc aacaaattcg 240

cacagagaca gaaggccaga agctggagta tgaacagctc cttgacatca aaatattttt 300

agagaaagaa atagaaacgt attgcaaatt aatagatgga gaagaaagaa aaagcaagtc 360

cacatgctac aaatcaaaag gacgtgggcc catacattct gaaaatcaag tcaaagactc 420

aaaagaagaa attgttgtca aaacagtggt tgaggaacta gatcaacttg gtaatgtcct 480

ttcattgagg gtccattcag ttgaagaaaa atcctctaaa ataagcaaca ttacaatgga 540

gcaacgagtg tcttctaaag ca 562

<210> 10419
<211> 542
<212> DNA
<213> Canis familiaris

<400> 10419
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gatgaaacgt actcttcaaa ccctggagat cgagcttcag tccctcttag caatgaaaca 120

ctccctggaa tgctccctga ccgagaccga aggcaactac tgcacacagc tcgcccagat 180

ccaggctcag attggagccc tggaggagca gctgcaccag gtcagaaccg agacggaggg 240

ccagaagctg gagtatgagc agctcctcga catcaaggtc cacctggaaa aagaaattga 300

gacctactgc cgcctgattg atggagaaga tggctcttgt gttaaatcaa aaggctatgg 360

aggaccagga aatcagataa aagagtcatc taaaaccacc atggttaaaa caattgttga 420

agaaatagat cctcgtggca aagttctctc atccagagtt cacactgtag aagagaaatc 480

caccaaagtc aacaacgtga agagtgaaca gtttgaaaat actccagcct ctgaatcaga 540

tt 542

<210> 10420
<211> 591
<212> DNA
<213> Canis familiaris

<400> 10420
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gctactgcgt gcagctctca cagattcagg cccagatctc ctctctggag gaacaactgc 120

aacagatccg agctgagacg gagtgccaga atgccgagta ccaacaactc ctggatatca 180

agatccgatt ggagaatgaa attcaaacct accgcagcct gctagaagga gaaggaagtt 240

ccggcggcgg cggctacggc ggcgggcgcg gcggcggaag ttccggcggc ggctacggcg 300

gaagttccgg cggcggctac ggcggaagtt ccggcggcgg cggctacggc ggcggaagct 360

ccggcggcgg cggccacagc ggtggtcaca gtggtggtca cagcggtagc tcgggcggcg 420

gctacggcgg cggcagcagc tccggcgggg gcggttacgg cgggggcagt tccggaggcg 480

gcggcagcca cggcggtagc tcgggcggcg gctacggcgg cggcagctcc tccagcggag 540

gtcacaagtc ttcgtcttcc gggtcggttg gcgagtcctc ttctaaggga c 591

<210> 10421
<211> 518
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (399)..(399)
<223> n is a, c, g, or t

<400> 10421

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ttgagagatg ggtcaaatgt tatagtgaca gaaagggtaa tagcaccaag ctcaagtcta 120

cccacctctt tgactatgcc tgatcccaga gaatcatcaa atgtggtagt gacagaaaga 180

gtaatccgac cagcttctgg catgatgggc aatctaagta tacaccctga gttatcaaat 240

gcccaaaatg tgattgtgac agagagggtt gtttctggct ctggcataag tggtattagt 300

ggcccagctg ggataagtgg aggcagtggc ctagttngca gtgcaatggg agtaagtggt 360

ggtggcattg ggctgaacag nctgggagga ggtggtggnc tgagtagcag catgggggc 420

acagccacca tcggtcatgt gaggagctcc tctgaccatc actttagcca gacccttgga 480

tctgcctccc ctagtactgc ccgaagccga atcacaaa 518

<210> 10422
<211> 222
<212> DNA
<213> Canis familiaris

<400> 10422
tgccggtgtg gagtctgcct gcctagcacc tgcccacaca cgacttggtt actggaacca 60

acctgctgtg acaactgccc cccaccctgc catattcctc agccctgtgt gcccacctgc 120

ttcctgctca actccagcca ccctacccca ggcctggaga ccctcaacct cacaacctac 180

actcagccct cctgtgagcc ctgcatctca agctgctgct ga 222

<210> 10423
<211> 216
<212> DNA
<213> Canis familiaris

<400> 10423
tctgaggaag aaacgaccat tggtaattat gcagcaggcc ctgaggcctt taacgctcaa 60

ttcctgaaca tcgacaagtt gcgctctgct tttaagccgg atgaattcct gaactggcat 120

gccctctttg agtctatcaa aaggaaactt cctttcctca actgggatgc ctttcctaag 180

ctgaagggtt tgagaagtgc aactcctgat gcccag 216

<210> 10424
<211> 207
<212> DNA
<213> Canis familiaris

<400> 10424
tgtcggtgcg gagtctgcct gcccagcacc tgcccccatg acatcagcct ccttcagccc 60

acctgctgcg acacctgccc tccaccctgc tgtgagcctg acacctatgt gccaacttgc 120

tggctgctca attcttccca cccaactcct ggactgagtg ggatcaacct gaccacctat 180

gttcagtctg gctgtcagaa tccctgt 207

<210> 10425
<211> 578
<212> DNA
<213> Canis familiaris

<400> 10425
taatggaatc actcacgctg gaagggaagt ggagaaagtt tttaatggac ttagccacat 60

ggggagccag gccggcaagg aactggacaa aggcgtccag gggctcaaca gcggcttgga 120

caaggtagcc catgagatca acagtggcat cggacaagca ggaaaggaag ctgagaagtt 180

tgtccatggg gtcaacaacg ctgctggaca ggctggaaag gaggcagaca aagtggtcca 240

aggggtccac gatggggtca accaggccgg gaaggaggca gagaaatttg gccaaggggt 300

ccaccacgct gctggccagg ctggaaagga ggcggagaaa cttggccaag gtgtccacca 360

tgctgctggc caggccggga aggaggtgga caggttgccg cagaatgttc ataatggggt 420

caaccaagcc ggcaaggagg ccaaccagct gctgaatggc gctcatccag gcgtttccac 480

cggccagcac cagcacggag ggggcgcaac caccacgtta acatctggag cttcggtcaa 540

caggcctttc atcagcttcc caactctgtg gcaggtga 578

<210> 10426
<211> 295
<212> DNA
<213> Canis familiaris

<400> 10426
tgcgctgcca gattggagac cgcctcaacg tggaggtgga tgctgccccc acagtggacc 60

tgaaccgtgt gctcaacgag accaggagtc agtatgaggc cctggtggag accaaccgca 120

gggacgtgga ggaatggttc accacccaga ctgaggagct gaacaagcag gtggtgtcca 180

gctcggagca gctgcagtcc tgccaggcag agatcatcga gctgagacgc acggtcaatg 240

ccttggagat tgagctccag gcccagcaca acctgaggga ctccctggag aacac 295

<210> 10427
<211> 525
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<400> 10427
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ctgtgctggt gatactgatc ggatgctaca tagccatatc caggtacatc cataaatcca 120

gcaggcaatt cataagccag tccagccgaa agcggaaaca taaccagagc atcagggtgg 180

tggtggcagt gttctttacc tgctttctac cctatcactt gtgcaggatt cctttcactt 240

tcagtcactt agacagactc ttagatgaat ctgcacacaa aattctgtat tactgcaaag 300

aaatgacact cttcttgtct gnatgcaatg tgtgcctgga tccaataatt tacttttca 360

tgtgtaggtc attttcaaga aggctattca agaaatcaaa tatcagaacc aggagcgaaa 420

gcatcaggtc actgcaaagt gtcagaagat cagaagtccg catatattat gattatacag 480

atgtgtagga gttaaaggcc cctaggccta cttgtctgtt gaagt 525

<210> 10428
<211> 215
<212> DNA
<213> Canis familiaris

<400> 10428
atggctgtct cagtgctgcg gctgacgatc gtcctgggac tactcatctt gatcctgact 60

tgccaggccg atgacaaacc agatgaccag ccagatgcct cagacaaaaa aacagagcca 120

gaattcccca aattcctaaa ccttttgggc acagagatca ttgagaatgc agtggagttc 180

atccttcgct ccatgacgag gagcacagga tttat 215

<210> 10429
<211> 265
<212> DNA
<213> Canis familiaris

<400> 10429
agggcatccg agtcggcact gtgatgagga ttcggggtgt ggtcccgaac aaggctggca 60

ggttctacgt gaacctgctg tgcggcgagg ccccggggag cgaggctgcg ctgcatttca 120

atccccgcct ggatgagtcc accgtggtct tcaacaccct ggagcagggc gcctggggcc 180

gcgaggagcg aggcacgggc atccccttcc agcgcgggca gcccttcgac gtgctcctca 240

tcgccacgga cgaaggcttc aaggc 265

<210> 10430
<211> 240
<212> DNA
<213> Canis familiaris

<400> 10430
tcttactctg ccaagggcct cctggcctac gaggactcta gctttccctt ttgtattcaa 60

taaacttttc tgttgatggt attccaattg ctcagtgatg ccccataccc tggtcagcac 120

aattggggtg ctggaaaacc agagcctcct tagatcctac ctcccctggg ccctgactct 180

tttctggaaa tctcctcaag gccagagcta tgccttaggt cccagacttt gtgatttcaa 240

<210> 10431
<211> 551
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<400> 10431
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cgagaccagg agtcagtatg aggccctggt ggagaccaat cgcagggacg tggaggaatg 120

gttcaccacc cagactgagg agctaaacaa gcaggtagtg tccagctcgg agcagctgca 180

gtcctgccag gcggagatca ttgagctgag acgcacggtc aacgccctgg agatcgagct 240

ccaggcccaa cacaacctga gggactccct ggagaacacg ctgacagaga ctgaggcacg 300

ctacagctct cagctgggcc agttgcagtg catgatcacc aacgtggagt cccagctggc 360

tgagatcagg agtgatctgg agcggcagaa ccaggagtac caggtgctgc tggntgtgcg 420

ggcccggctg gagtgtgaga tcaacacata ccggggtctg ctggagagcg aggactgcaa 480

gctcccctgc aacccatgtg ccaccaccaa tgcttgcggc aattcctgtg ggtcctgtgg 540

caactctcaa a 551

<210> 10432
<211> 321
<212> DNA
<213> Canis familiaris

<400> 10432
cactgggacc tgttaatgga aacttgctct cgggtctaga tcacacatgg ttgatttgtg 60

cctcttttat gcatgagaat taataatcat aataggcctt acttcaagtt caaaagtgtt 120

ttcaggatcc tccaagtatt ttagcattgc ctctgaaaac ccaacttatc atgaaatggg 180

aattttgcta cattgccaaa tgcagaggaa actatgtcat agtagtaaag actctgtaaa 240

gcaaaattga aattaaatgt gtttttaaaa taaaaataga ttaatcttgt ctaggaggac 300

ctcagattga tttgccatgt a 321

<210> 10433
<211> 479
<212> DNA
<213> Canis familiaris

<400> 10433
ttggcagcaa ggtcggaagc tccgtgacag gtgtgggcaa catggccgag gagctgcctc 60

cagaacaggt ggccaagttc aaggaggtct tctccagatt tgacaagaac ggtgacaaca 120

ccatcaacac ccaggagctg ggcgctgtga tgcaggccct gggccaggat atatcagagg 180

acgagctgaa gatgctcatc gcccaggtgg acacggacgg cgacggggtc atcagcttcc 240

aagagttcct ggaggcgatg gtcaagagga tgaagtcctg gggcagtgag caggagatgc 300

gggaggtctt ccgcgccttt gacctgaacg gcgacggcca catcagcgtg gacgagctca 360

agcaggccat ggccaagctg ggcgagttgc tgtcccagga ggagctggac accatgatcc 420

aggaggccga tgtggacaag gacgggcaag tgaactacga agagttcatg cgcatcctc 479

<210> 10434
<211> 378
<212> DNA
<213> Canis familiaris

<400> 10434
agaccgcctc aatgtggaag tggacgcagc ccctgccgtg gacctgaacc gtgtgctcaa 60

cgagaccagg agtcagtatg aggccctggt ggagaccaat cgcagggacg tggaggaatg 120

gttcaccacc cagactgagg agctaaacaa gcaggtagtg tccagctcgg agcagctgca 180

gtcctgccag gcggagatca ttgagctgag acgcacggtc aacgccctgg agatcgagct 240

ccaggcccaa cacaacctga gggactccct ggagaacacg ctgacagaga ctgaggcacg 300

ctacagctct cagctgggcc agttgcagtg catgatcacc aacgtggagt cccagctggc 360

tgagatcagg agtgatct 378

<210> 10435
<211> 112
<212> DNA

<213> Canis familiaris

<400> 10435
agaaagcatc gctaatctct gcatacctcc catctttcca tccatacacc ctcaacaaga 60

aattcacaga ataaggatg ttatgaactg tagtcaattt gactttacct tt 112

<210> 10436
<211> 294
<212> DNA
<213> Canis familiaris

<400> 10436
gtgacctttc catcaaagct catgtgcaca gatgtcaagc tcatctcctc ccaggactgc 60

aagaaggttt acaaggacct tctgggaaaa tccatgttgt gtgctggcat ccccaactcc 120

aagaccaacg cctgcaatgg tgactcaggg ggaccactga tgtgcaaagg tgccctgcaa 180

ggcctggtgt cctggggaac tttcccttgt ggccaaccca atgacccagg tgtctatacc 240

caagtctgca agtacaccaa ctggataaaa gagaccatga gaaagcatcg ctaa 294

<210> 10437
<211> 78
<212> DNA
<213> Canis familiaris

<400> 10437
gctgtgggcc ctgcaacacc tttggatgct agatatcccg ggaccagcaa gaggattgca 60

tgaaaacaga aaggccat 78

<210> 10438
<211> 596
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (491)..(491)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (500)..(500)
<223> n is a, c, g, or t

<400> 10438
gcgctacagc agtccatcag tgatgctgag cagcgtggtg agaatgccct caaagacgcc 60

cagagcaagc tggccgagct ggaagatgcc ctgcagaagg ccaaggagga catggcccgc 120

ctgctgcgtg actaccagga gctgatgaac accaaactgg ccctggatat ggagattgcc 180

acctacagaa cccttctgga aggagaggaa agcaggatgt ctggagagtg tgccccgaac 240

gtgagcgtat ctgtgaacac cagccacacc accatcagtg gaggcggtgg ccgaggaggc 300

ggcggtttcg gctccntagg tggcggcggc ggctacggtg gtggcagtta tggctctgga 360

ggtggcagct acggctccgg aggtggcggc ggtggcagct acggctccgg aggtggcggc 420

ggcggcggct acggctccag tagcagcagt gggggccaca gaggcggctc tggaggggc 480

agccggtccg ncgggagctn cgggggccgg ggatccagct ctgggggcat caagacctct 540

agtggcagtt ccagcgtgaa gtttgtttcc accagctatt ccagagcagt cagata 596

<210> 10439
<211> 483
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (446)..(446)
<223> n is a, c, g, or t

<400> 10439
gaggccagct ctccatctac agcagctccc caccangnag gataaagctc tccctcatca 60

ggaggatgaa agtctctgtg gctactatct ccctcttcct cctcatcatc atcacctgca 120

ccctggagtc caaaactgaa ttatcctcac gaggacctta ccatccagct gagtgctgct 180

tcaggtacat tacccgagca atcccacgtc accggatcac agattatttt gagaccagca 240

gccagtgctc cagggctgga attatcttca tcaccaaaaa tggccattcc atatgtgcca 300

accccagtga tgactgggtc caggactaca tcaaggactt gaggagaaat gagtgaccca 360

gatgtagtgg aggagggagc agccagccat cttaaaggga agaggccaca gctcccctct 420

tagctgcagc cctcagcccc agtcanctct tgggagctgc cttgccttga attaaagacc 480

ttg 483

<210> 10440
<211> 190
<212> DNA
<213> Canis familiaris

<400> 10440
gaggacctta ccatccagct gagtgctgct tcaggtacat tacccgagca atcccacgtc 60

accggatcac agattatttt gagaccagca gccagtgctc cagggctgga attatcttca 120

tcaccaaaaa tggccattcc atatgtgcca accccagtga tgactgggtc caggactaca 180

tcaaggactt 190

<210> 10441
<211> 463
<212> DNA
<213> Canis familiaris

<400> 10441
gaagctggaa ctttgcagct gccaaggtgg tttgccagca ggtgggctgt gggcgggcca 60

tactgacccg gaaatgctgc aacaaagcca cccagggcca agggccgatc tggccgagaa 120

aggtgtcatg ctcaggaaaa gaaatcagcc tccaggattg cccttctgaa gtttgggaaa 180

agaacaactg cacccacgat gaggacatgt gggtggaatg tgaagatccc tttgacttga 240

agctggtagg aggagacagc ccctgtgccg ggaggctaga ggtgctgcac aagggcgagt 300

ggggcactgt ctgtgatgat gactggggag aaatggcgga ccaggtggtt tgcaggcagc 360

tgggctgcgg ggcgtccctc tctccatctg tcaaattccg gagaagattt ggccctgggg 420

tcggccgcat ctggctggac gacgttgcct gctcagggaa tga 463

<210> 10442
<211> 159
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<400> 10442
tcaccgtatg ttcaacctga gcaaggcttt ctcagcttca gtaactggaa nacaaattat 60

aattgcacat atgccaatta ccatgagata agccactctg attgctaaat attctcttac 120

atttcctgat ttcctggcat cagaaatcag gaccaattt 159

<210> 10443
<211> 535
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<400> 10443
gaggcaacat tcaaccggag atcttcagta ctccccagat tacaaaaatt acctggcttt 60

catcaaccac tgctctcatg tcagaggaaa ttctaactgc tatggtgtgc tgcctacaga 120

ggaacctgtc tataattgga gaacagtaat aaacagtgct gcagacctct attttgaagg 180

aaatattcat cagtctctgc caaacatccc cgaaaaccag ctggtacaac ctgctgttct 240

ccatcaaaag ggaggaaaag gcaggaagaa gctccgacta ttcgaatacc ttcatgaatc 300

cctgtgcaat cctgagatgg catcttgtat tcagtgggta gataaaacca naggcatctt 360

tcagtttgtg tcaaaaaaca aagaaaaact tgcccaactt tgggggaaaa gaaaaggcaa 420

ccggaagacc atgacttacc agaaaatggc cagagcactg aggaattatg gaagaactgg 480

ggaaatcacc aaaatccgga gaaagctaac ttaccagttc agtgaggcca ttctc 535

<210> 10444
<211> 457
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<400> 10444
aatcgcagtg tggaacggtg gcaacgactt gctggccgac cctcacgatg ttgacctttt 60

gctttccaag ctccccaatc tcatttacca caggaagatt cctccttaca atcacttgga 120

ctttatctgg gccatggatg cccctcaagc ggtttacaat gaaattgttt ccatgatggg 180

aacagataat aagtagttct agatttaagg aattattctt ttattgttcc aaaatacgtt 240

cttctctcac acgtggtttt ctatcatgtt tgagacacgg tgattgttcc catggttttg 300

atttcagaaa tgtgttagca tcaacaatct ttccattggt aatttttgaa tttaaaatga 360

tttttaaatt tggggcatct gggtggctca gncggctaag tcgtctgcct tcggcttaag 420

tcatgatctc ggggtcctag gatggagcct tgtgtct 457

<210> 10445
<211> 553
<212> DNA
<213> Canis familiaris

<400> 10445
ggtggacata cccatgtttt ctgtgtacat gagcagtgac ccagaaggtg gtacgggaag 60

cgaactgatt ttcggaggct atgaccactc acacttctct gggaacctga actgggtccc 120

cgtcaccaag caaggctact ggcagattgc actggatgca atccaggtag gaggcacagt 180

gatgttctgc tctgagggct gccaggccat tgtggacaca gggacttctc tcatcacagg 240

cccctcagat gaaatcaagc aactgcagaa cgccattggg gcagagccca tggatggaga 300

atatggggtg gagtgtgcca acctcaacgt catgccagat gtcaccttca tcatcaatgg 360

agtctcctac accctccagc caactgccta taccctactg gactatgtgg atggaatgga 420

gttctgcagc agtggctttc aaggtcttga catccagcct ccagccgggc ctctctggat 480

cctgggcgat gtcttcatca ggaagtttta ctcagtcttt gatcgtggga ataaccgtgt 540

tgggctggcc ctg 553

<210> 10446
<211> 48
<212> DNA
<213> Canis familiaris

<400> 10446
acagctcagc tgtggaatcc tgtgaatata ctaatgatgc aagaatac 48

<210> 10447
<211> 203
<212> DNA
<213> Canis familiaris

<400> 10447
gtcctgtggg aagcctgcca gcagaagaca ggggaacaca aaaccatgct gcagatgatc 60

ctatgcaaca aaagctatca gcaactctgg ctggttttcc aggaatttca gaatatttct 120

gggcaagaca tagtagatgc catcaatgaa tgctatgatg gatacttcca agagttgcta 180

gttgcaattg ttctctgtgt tcg 203

<210> 10448
<211> 459
<212> DNA
<213> Canis familiaris

<400> 10448
gaggtttata acatcatcag cccaaacaac aatggtggca atcttcagga gacggtgtcc 60

attgacaatc aaaaaaacat cgccatcgtt aacgtccacg caggatcatg ctcctctacc 120

acaatttttg actataaaca tggctacatc gcctccaggg tgctgtcccg aagagcctgc 180

tacatcctga agatgaacca taaggccatc ccctccctgg accagctaaa acggtacacc 240

tatgagaaac aggccatgca aagcatcttc tccgataagt acctctgggt caagtacaac 300

ccgctgcagt ccctgatcat gcacatagac tggttcctgt tcggctcgcc catcaaggag 360

ctgtgcagtc acgtcccccc gtacaagggg gaggtgttcg agaagccgca cactgtcggt 420

actggcgtct gttcaaaagt cggattcctg ggcatcttt 459

<210> 10449
<211> 520
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<400> 10449
tggacttctt ggagtcttcc tgaccccagc ccttgcttcc tccgaaatca acattggcgg 60

gaacagcaac agcggtgcaa gtgggcaaca gtccgtgagc gtcaacaatg agcataatgt 120

ggccaatgtg gacaataaca acggatggga ctcttggaan gccctgtggg actacaacac 180

tgtaggtagc caacacgcaa tactctttgg caagaagaaa tgcattgtgc acagaatgaa 240

caagaatgtc atgccctctc ttcagactct tgacacgctg gtcaaggaaa agaagcttca 300

gggaaaagga ccagaaggac cacctcccaa gggcctgatg tactcagtta accctgaaga 360

agtcaaagac ctaaacaaat taggaaaacc catcgctaac atgtgcaggg ggattccaac 420

atacatggcc gaggagattg aaggagcaag ccttttcttt acttcaggaa agtgcttcag 480

tgctgatata ttatggattc tgaacatttc ctactgtagc 520

<210> 10450
<211> 568
<212> DNA
<213> Canis familiaris

<400> 10450
gaacaggatc ctggtgatcg ccatcgtgtt ccaggtctgc atcggctgct tcctgtgcta 60

ctgccccgga atgcccaaca tcttcaactt catgcccatt cggtaccagt ggtggctggt 120

ccccatgccc tttggcctcc tcatcttcgt ctatgatgag attcggaaac ttggagttcg 180

ctgttgccca gggagctggt gggatcagga gctctactat tagaggaacc atccctgcac 240

cccccgcagc agaggtgggg ggcatgggac ccgctgggcc gccactggaa catcaaagcg 300

accaggagcc ctggcacctg tgtcagctcc tgcagcccac ggcgccccga ccttggaggg 360

ccctccccgc tcccccttccc catccacaga gagcccaccc cgtcagggcg gtccctgggc 420

caggtcctgg tctgaagagt ggggaggggg ggtgttggca ggagtggggc gctggctgtt 480

cctgtgaggc gggtctgcac tcggggtgcc cagagggctc cccagggtac tgcttcaata 540

cacacctgtg ccgcgtgata gtaataaa 568

<210> 10451
<211> 154
<212> DNA
<213> Canis familiaris

<400> 10451
ccccatgacc cctatgaagg gaaagtggag ttcaagctca ccattcagca gtagagagca 60

aggaggctgc accctggccc ccatgacccc tatgaaggga aagtggagtt caagctcacc 120

attcagcagt agagagcaag gaggctgcac cctg 154

<210> 10452
<211> 272
<212> DNA
<213> Canis familiaris

<400> 10452
gagaggacgc tcacgccacc atggagcaca gggtgatcta cgtcctggtg ttggtctgtg 60

cactgaccct cagctccctg gcccagggcc agcaggagac gtgcacggtg gcccctcacc 120

acagagacaa ctgcggctct ccgggcatca cgccttccca gtgtaaggac aagggctgct 180

gtttcgacaa cacagttcgt ggggtcccgt ggtgctacta ccctgtggcc gtggacaacc 240

ctcccgaaga ggagtgtccc ttctagatgc ct 272

<210> 10453
<211> 367
<212> DNA
<213> Canis familiaris

<400> 10453
gtcccgaaca ccagaaacta cagcagagaa aggagtccaa gaagccgccg gccaaactgc 60

agccccgagc cctagaaggc tcccttggcc cagaagacac aagtcaagtg gaagaggcag 120

aggatgagct ggaaatccgg ttcaatgccc cctttgatgt tggaatcaag ctgtcagggc 180

ctcagtacca ccagcatggc caggcactcg ggaagtttct tcaagaggtt ctttgggaag 240

acaccaacga ggccctggca gacgagtgat catccacaag atgggcctgc ctgttctccc 300

cccaccctag aagcactcac ctgactttta cactgtttct gcagctactc ccagttctga 360

gtggtac 367

<210> 10454
<211> 66
<212> DNA
<213> Canis familiaris

<400> 10454
cagcaggagg gagatatgcc tactttagcc aatctgacac agaccctgga agatgtcttc 60

aaaaag 66

<210> 10455
<211> 66
<212> DNA
<213> Canis familiaris

<400> 10455
cagcaggagg gagatatgcc tactttagcc aatctgacac agaccctgga agatgtcttc 60

aaaaag 66

<210> 10456
<211> 434
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 10456
catctgatga ggaatatggt cggcatagaa aacatcatca tagaggacgc tctgaaaatt 60

tttattatca gcaatatcca aaatttcaga gatattatga tgataaataa ccttataatg 120

ctacacagga atccacaaca ggattacaga ggcttcatgg aaagtcctac ttgctctctt 180

actcatgatg attcttccta ttcaaaaatc ctttaaacat ctagtaacat taaccccaat 240

acaatacata cacccaaagt acttataaaa tcatgtttta aagtataatt caaaaaagta 300

cagttttatt tttattatgt tatatattat attggaattt aaaagtnatt tgacttatca 360

ataatttcta gcttttcaga aacaaaaaag aaatccaatc aaatagtgtt atagcagcaa 420

cacacactga gatt 434

<210> 10457
<211> 540
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (152)..(153)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (370)..(370)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (464)..(464)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

<400> 10457
agagaatctt ctttaccgtc catatccacn antttatcct taccctcnat atcnaccagt 60

ttatccttac nntcnnncat atcaaccagt ttatccttac aatgccccag aacaataccc 120

tccttcttct tagccatcat tttgaatatt annaacccta ggacatgatt atggcggctt 180

ggtggaaagt cctatttgct ttcttactca aaatgattct tcctaaagaa aaatccttta 240

atcatctagt aacacttatt agccccaata taccacatac acccaaagta tttgtaaaat 300

tatgttttgg aatttaattt tttaacaata cagttttatt tgcattatat tatgcnttat 360

atcacaattn aaaaataatt ggatcnatca taatttctag attttccgta agaaaaaaga 420

aatctaatca aataatgtta catggacaac acacaccaga gatnaatgat caatattttg 480

aaaatagtaa tangtagtct ctgaactatt ggaaaatctc cttttctcct ctgtgttaat 540

<210> 10458
<211> 523
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (342)..(342)
<223> n is a, c, g, or t

<400> 10458
cgtccattgg tttgtgctgg tacatcatgt ccggctctcc agcatacaga cttggaagct 60

tgagaattcc atattggatc accagaataa gaccctccac agtgactacc gcaggatcca 120

gcccctgaat ggcagagtgg tggaaaccaa ctttgtgaat ctccctagtc agggttctga 180

gttccagttt tacgtaaata agctcaacaa taagcttgaa tacttgagaa gacttctcga 240

aaagacgaaa gtggaaaaaa aaccgcacat acaccaagct tgaagggaga gatgtgtngg 300

aggaagaggt ggccctcccc cagctctgag aaatcctacg tngggatctc agccttcccc 360

taggctcctg tttagtttct gattaagacc atcatccgtg agcagacgtg agatggttta 420

agggtatgag aaggggtttg tgagacgaca ataatgggaa ttgattggaa tagaaattta 480

aaggaaatgg agccctgcct accttcctat cgaatcatgc atg 523

<210> 10459
<211> 448
<212> DNA
<213> Canis familiaris

<400> 10459
acgatttggg tctgcaccgg aagtgccttt gctgccgatg tggtacctac tgaccgcggt 60

ttcagtcgct ctccctcgtt ttcctcgctg gctgtttgcg tcgcgctatg gcgcccaagg 120

gcaaagtggg caccagaggg aagaagcaga tatttgaaga gaacagagag actctgaagt 180

tctatctgcg gatcatactg ggggccaatg ccatttactg tcttgtgacc ttggtgttct 240

tctattcatc tgcctcattt tgggcctgga tggccttggg ctttagtctg gcagtatatg 300

gggccagcta ccactctatg agctcgatgg cacgggcagc cttttctgag gatggggccc 360

tgatggatgg tggaatggac ctcaacatgg agcagggcat ggcagagtga gtgtcccccg 420

ctgccagccc agggcacctt aaggatgt 448

<210> 10460
<211> 486
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<400> 10460
ctggacggtg attcagagcc gcgactgggg ccgcgggagg cccctggact ttgagaggtg 60

ctggcaggag tacaagcagg gcttcggaga cttgagaggt gaccactggc tggggctgca 120

gcacatctct gacctgacgt cccagccggg cctgcgcgca gagctgaggg tggacctcct 180

ggacgtggac aaccgcacgc tgcacgccca ttacaaccat ttccacgtgg atggggaggc 240

ccagttttac cggctgaccc tgggcctgta ctcggggaac gcaggggacg cgttccgggg 300

ctcgggccac acagacaacc aggagggctg cggcttcagc acgctagacc gcgatcntga 360

ccgctgctct ccctgcacgg acggtgccca gaccttctcc agctgcagcc acgatcgctc 420

gggctccggg tggtggtaca gcgactgcgg ccacgctgac ctcaacgggc catggccaga 480

gcgtga 486

<210> 10461
<211> 592
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (564)..(564)
<223> n is a, c, g, or t

<400> 10461
tcaaaacact gtcaccttaa gcggtgaaga atccaatgag atgttccagg tcaacggtga 60

caatcgctta ctggtccagc gttctgaact aacaaaagca catggacaat acacactaga 120

tgtggaagga caaggttgtg catttatcca ggttaccctg aggaataatg tactattacc 180

taaaaaagca tctggatttt ccctttcctt ggaaataatc aagaaaaact cttcagatac 240

atttcagaga tattttgacc tgatagtaac cctcaagtat actggaattc acaataactc 300

caatatggtc cttgttgatg taaaaatgct gtcaggattt actccagtca tggcatccat 360

tgagaagctt gaaaacaatg gccaagtgat gaagactgaa gtcaagaatg acnatgttct 420

tttctacttg gaaactgttt ttgggacagc aaaccacttt actttcagtg ttgagcaaac 480

caaccttgtg tccaacattc agccagcccc agttatggtc tatgattatt atgaaaaaga 540

tgaatatgcc cttgtttctt acantatcaa tagtgtttca gcttcccagt aa 592

<210> 10462
<211> 376
<212> DNA
<213> Canis familiaris

<400> 10462
aatcttctcc aagtgtgagc tggcccgcaa gctgaagagc atgggaatgg atggcttcca 60

tggctacagc ctggcaaact gggtctgcat ggctgagtat gagagtaact tcaacaccca 120

ggcctttaat gggagaaatt ccaatggcag tagtgactat ggaatcttcc agctgaacag 180

caagtggtgg tgcaaaagca actctcactc ctcggcaaat gcctgcaaca taatgtgcag 240

caagttcctg gatgacaaca tcgatgatga tatcgcctgt gccaagaggg ttgtgaaaga 300

tcctaatggg atgtctgcct gggtggcctg ggttaaacac tgcaaaggca aagatttgtc 360

caaatacctg gccagc 376

<210> 10463
<211> 462
<212> DNA
<213> Canis familiaris

<400> 10463
ccatgtgact caaacccata ctgtaaaacc tgggctgtgc aaaaatgtga gatcatccgg 60

gacagcattt tcaaagaatg tcaccacaag gtggaccccg aagcttactt agaagcatgt 120

attgaagaag cctgtgcatg tgacacgcag gggaagtact tgggattctg cacagctgtg 180

gctatgtacg cagaggcatg cagcgcagtt ggagtctgtg tcacatggag aaaaccagat 240

ctctgtcctg tcttctgtga ttattataac gaacctgggg aatgcagttg gcgctatgaa 300

ccttgtggta cagtgactac aaaaacatgc agagacaaag ttattggcca gaaattttct 360

gcagttttag aaggttgtta tgctaaatgc ccggataatg ctccttatct ggatgagaac 420

ctcatgaaat gcgtcacttt atctgagtgc agctgcttct at 462

<210> 10464
<211> 45
<212> DNA
<213> Canis familiaris

<400> 10464
cagagcagga accactctag gtcctcggag tgaaccttct gggac 45

<210> 10465
<211> 407
<212> DNA

<213> Canis familiaris

<400> 10465
aagtccgatc tgatcaaacc ctgggggcac ttcagggttt tcatccacag catgagcgca 60

aaggacggca acctgcacgg ggatatcctt ataccgcagg acggccagtg cgagaaagtc 120

tccctcactg cgttcaagac tgccaccagc aacaaatttg acctggagta ctggggacac 180

aatgacctgt acctggcaga ggtagacccc aagagctacc tgattctcta catgatcaac 240

cagtacaacg atgacaccag cctggtggct cacttgatgg tccgggacct cagcaggcag 300

caggacttcc tgccggcatt cgaatctgta tgtgaagaca tcggtctgca caaggaccag 360

attgtggttc tgagcgatga cgatcgctgc cagggttcca gagacta 407

<210> 10466
<211> 511
<212> DNA
<213> Canis familiaris

<400> 10466
attgctttgc ctgaatggat ctgtaccata tttcatacca gtggttatga tacacaaacc 60

atagtcaata acaatggtgg cacagactat ggacttttcc agatcagcaa taaattttgg 120

tgcaaggacg accagaacct tcagtcaagg aacatctgtg acatctcctg tgacaagttc 180

ctggatgatg accttactga tgacatgatt tgtgccaaga agatcctgga taaggaagga 240

attgactact ggttggccca taaaccactc tgctctgaga agctggagca gtggcgctgt 300

gagaagttgt gagtgcctgc tgtcactggt gcttctgctt ctgtatgttc ctggaatgcc 360

tcttccctaa ggctacctca gtttgcttct ttcttcttcc ttgaagctga tttgtctctg 420

aatcctgagc tctgtggtga caccactgga cacttgagga ctattctcca gcaatgcatg 480

gctggtacac tggacttttg acccttgttc a 511

<210> 10467
<211> 317
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)

<223> n is a, c, g, or t

<400> 10467
gaaaacgttc cagcggtttg ctgtcttcgg agaatcctcg agcagcggca ctgaaatgan 60

caacaaaaac ttctccaagc tctgcaggga cngtggcatc atggacggca agacggtcac 120

ctccactgat gtggacatcg tattcagcaa agtcaaggcc aagaatgccc gaaccatcac 180

atttcagcag ttccaggagg ccatgaaaga actgggccag aagcgattca aggacaagaa 240

gccagatgaa gctctggaga acatttataa gctcatggag ggcaaggatc cagctaccac 300

tggtgttacc aaagcaa 317

<210> 10468
<211> 528
<212> DNA
<213> Canis familiaris

<400> 10468
tatagactcc ctcatgttca agaagaaaat atcaaactta ggaacaacat ggagcagtta 60

ctacaggaag cagaacactg gaatgtgcaa catgctgagc tcagtgaact aataagaaca 120

tatcagaaat ctcagaaaga tatacaagaa actcttaaaa ataatggagc acatttccaa 180

actcaatcaa atgagaaggt gtcagctcag catgaactgg aggaacaagt gaaaaaactg 240

gaacatgaca catattcatt gcatttgatt tcagctttgc tggaaaatga atgtcagatc 300

ttacagcaga gaatagagct tctcaaggaa ctccatcatc agaaagaggg aactctgcaa 360

gagaagccaa ttcagaaaaa cggtgaaaag gacaagaaaa aacagaagct atcagcagag 420

cataagccaa aaatgcaaga aaaagagggt acatttcaga aaaaagacaa attctacaga 480

ggcctggatg ctggtagcaa gaaagcgctt aataaccact tcaatact 528

<210> 10469
<211> 409
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<400> 10469
gacttgaaat ctgcttttcc tacttttctc tattgcctcc cagncagaaa cagnagaagt 60

gaagggcaga agtgccaaca tgtagcatgn ccnncctgca tcatggggtt ctgagttggg 120

tccgagtccc agtgccctca cacctggcta cctcacaaag gagtctccgg gccagctcag 180

gggaagctgc caagagattt ggtcctcaga aaggagacag anctgcatca atcaaattag 240

tatttattca gtgctgacgt gcccagagct gntgataggc cagcaagaaa ccctggtccc 300

tgtcaccaat ttgtttataa tctcactaaa cagagatgga ctcacataaa atgctttgta 360

agcaatccac taagatttaa ctgaaggcca gcccagaatg ggtacttaa 409

<210> 10470
<211> 416
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<400> 10470
atccagccac gttgtttggg acaccgccgc gnttctcttt tcatcaccct tacttcctac 60

ctggaccgca ctatttccca tcaagcacgt gcccttatag tcggcctccc tttggctatg 120

gaaattttcc aagttcaatg ccagaatgcc ttggttatta tgaagacaga taccaaaaac 180

atgaggctat gttttcagct ttaaatagag actatccttt tagagactac ccagatgaac 240

gtacacacag tgaagattct cggagttgtg aaagcatgga tgggacctct tactataata 300

gtcatagtca cagtggggaa gaatacttaa atcccatgcc tcagctggac attggagcct 360

tggagaatgt cttcacagcc ccaacatcaa cttcctctag catccagcaa gtcaat 416

<210> 10471
<211> 388
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<400> 10471
atcctttcat tgtatcctcg atccaggatc tggaatcccg cgtcccaggg ccgaggagga 60

ggagcaatcc tcccgaagcc cagtcacttc ctcgcctaaa agaggggagt gctcagagag 120

aacgtagagt tgcctttaat cctagagctc tggatgaaca acggaaacag cctntgctct 180

gaagaagttt gagccccacc ctgtccttga agaccttcgg atgtcaagct ttctctgtcc 240

acattgtgac tgatgcaatg acccaagttc cccaccatat tgcagtagag gaatgggaga 300

cggttccacc cactgcacag catcctcttc ccccctacag agtaagacct gccccacaca 360

tctcctcacc tccatgtagt atttttca 388

<210> 10472
<211> 528
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<400> 10472
ggtgcagctc ccaagagtgg cagtaccttt accagctgac caggagacna ttggagaaac 60

aactcctaca tgtcccttat agcctggaat atattcaatt tgttcctctg ctcaacctga 120

agccctttgc cccggagctc cagctgtccg tactcttgct gagagtttc cagtttctct 180

gcagccagag ttgtcgtaac tggcttccta tagaaggctg gagccatgta gtcaggcttc 240

tctgtaacag tctgaccaat ctcctggact ccgttaggat gatacagtca gttggccctt 300

gggctcaagg acaagaacag gacctgaccc aggaaaccct gttttttat acccaggtat 360

tctgtcacgt tctgcacatc atggccatgc tcccccacga ggtgtgcgag ccgctgtatg 420

tcttggcctt ggaaatcctc acctgctatg aaaccctaag caaggctaat ccttctagta 480

gttccctgct ccagaaggta aatgagcagc gcttcttaaa gtccatcg 528

<210> 10473
<211> 234
<212> DNA
<213> Canis familiaris

<400> 10473
aaatgattgc tttaaaacac cacgatacca atcttatatt gtacttgctc taaaatgatt 60

aaacaatttt cacatatatt tttaatagct atatgttcat tttctaaatg acataattta 120

caggaaattt tataattttg gatccctaaa aattgaataa attcccagat gttatttatt 180

ttataaataa ttgtctgcta tgtattatag tccctgtcta agcagtaaaa atcc 234

<210> 10474
<211> 225
<212> DNA
<213> Canis familiaris

<400> 10474
gtcgcagtct ctaagttacc agggcatctc gtgggcatcc atctgcagcc ccaagcagta 60

tgtagtatgt ggagaagaga tccagatgtc acctccatga gcatcaacag aagcaagaag 120

agcactgctt tgagaggggt agtttcgagt gtgggacaga ggatggagtt cattgccttc 180

agatctggac tttaatccca gttctcttgc tcctctttga ataaa 225

<210> 10475
<211> 430
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (38)..(39)
<223> n is a, c, g, or t

<400> 10475
aatgtttatc tagtccaacc ccatcagctc acagagtnna gctgtacttc agaaaagtca 60

agggcctttc ccaaggttgc atatgggtgt aactgatttt ctacctgaat cttgaactct 120

ggccttcttg cccagcactc tccattatgg gttggctcta gatttatttc atttgttcat 180

aaacgttttc caagtgctga ctatatgcag ctgttatgtg gcatcctggg gacctcgcaa 240

agaacaagac agatgtaggg gtccctggcc tcctggaaga tgcctagtaa accaggagtg 300

catagcgagc atcatggctc tggcatgtgc ggtgaaggag gagtggcggc tgctccgccg 360

tggacatcgg ggagagggac aaaggagagg cttccctaag gatgggatgt tgaaggctcc 420

cagcagcgac 430

<210> 10476
<211> 544
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<400> 10476
ggatttgttg tcagtgaagg catcaaaaac tttttacttg ctgaggtaca aacacatgac 60

ccaacacttg gacagtggag tacctttggg actctggang ttgcagctca gactgaatca 120

gaaacaaagg agtactcggt gatcacagaa gaagactgtg aaattcttaa aatctctgca 180

aagaattatg cgaggttaaa atcggaaaaa ataaaacttg aaaataagca aaaggtgaaa 240

ttaattcgta aatgtccata ttatgaagaa tggcctactt tatccatata tgaattagtt 300

gcactcatta aatggaaaaa atttccacca ggtcacatga tagtggaaag tggaaagata 360

atttcttttg tggnctatat caattctgga tattgtaaca tttatagaaa tattgtagga 420

cttacgaaac tagaaccaaa aaaagcgaaa aaaattaaaa aacttgtttg tatgggtaaa 480

cttaaggaaa aggagtcctt tggtgagatt agtgttcttc ttcaagttcc tttcacatgt 540

acta 544

<210> 10477
<211> 46
<212> DNA
<213> Canis familiaris

<400> 10477
gaaggtatgg ccgttgtctt tgagtgggaa tgcccagcca cccctg 46

<210> 10478

<211> 373
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<400> 10478
gtgcagttga tgactcagac cctaaaactg gaatctaaag agagctgtga agatctcctg 60

gttccagatc cagtgtcaga atttanactt catcggaagt accgggatac gctgatactt 120

catggaaaag ttgtggaaga agctgaggac cttcatttta aacaactacc ttccgctgtc 180

atgccaggtt ctgaaaagat cagaagaata gttgaagtct tgagagctga tgtaatccag 240

ggcctgggaa ttcagctttt agaacaagtg tatgatcttt tggaagaaga ggatgaattg 300

cagagagagg tacgtttgca ggagcacatg ggtgaaaaat atacaactta cagtgtgaaa 360

gctcgccagt tga 373

<210> 10479
<211> 490
<212> DNA
<213> Canis familiaris

<400> 10479
tagctaagcg ctagctgtga tggcaggagg ccccccctact atcaaggagg agatggaacc 60

atccatcgct gaagagctgg ttcctggaaa ctatgggaaa agccaggagc acctggtgat 120

agcagaaatg atggagcatg gatcccagtc tgtgggtgct tctcagcggc gacagaaggc 180

ggatccaaag gctgctggct ctgctgcagg tcaatcgggt tggaatatga ctggcaaccg 240

gagcaagaaa gcggggcccc agcagccctt agcagcatca gagccattgt ccacctctcc 300

cccgctggcc tggggaggcc tgtgctgccg ggaggtcgga aaagggcagc gtcctgctgg 360

cccatcagcg ctccatgatc accatctgag agctgaacct tgccaatgcg ccctcggtgt 420

cccttccgct ccatcgtctg tggcagggcc ctggctgcgc cttcccagtt ttcttccact 480

ttgtgtacgg 490

<210> 10480
<211> 489
<212> DNA
<213> Canis familiaris

<400> 10480

gtccagggat gagaacaagg ctcttagaaa agaaaacaaa tccctctggg gagaaaataa 60

agctcttcga cgagaaaaca aagccttccg aatggaccag ttgatcccgg aggtaaatca 120

gtccttgaga gagcaaaacg aggtcctatg gaagtttaaa aatgtgatct tagagagcca 180

aaatccagca ggggaaaaaa tcaatgcttt gaacacagaa agaaagtttt attggcaaca 240

gaatcgaggc ctaaaagctc agatcaaggc tctcagagaa caggagaagg cctttcagac 300

tgaggcaaaa gctcttcagg aagaaataag gtctctccat gaggagataa aagccttgaa 360

acaccaggag agagcaatca agatggagga acaagccctg atgaaagaag gaatagcaat 420

agagatggaa gaaaaagctc tgtgggagga ggcacaggct cttcgtgagg agaacatggc 480

tcttagaga 489

<210> 10481
<211> 260
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<400> 10481
tcaccaggag attaacccgt caggccgcca antgagaagg gacagagcga caggaggccc 60

gggatgcaag gaaaatcaaa acaaatccac ctgctcagag aagactatgt tgacacccca 120

ccccccngca gatctctgtg gcaagtgctg tcgcagccac ggatgtggca ctgggtcatt 180

tatgactgcc tcatgacatt atttttcact gttgtctttg cattgttctt taatgacttt 240

gtctaatggt ctcttctcac 260

<210> 10482
<211> 165
<212> DNA
<213> Canis familiaris

<400> 10482
gaaggcactc ttcatgttat tccgatgggc agagtttata tttggaagaa aatggaaatc 60

acgaatctcc ctaccttgcg agcagctctg tagaaattgg tctagaaaat tctgaactgt 120

ataaagattt atctgactcc atcgagcaaa cctttcagag aacaa 165

<210> 10483
<211> 273
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<400> 10483
ttctggctga tgacaagcgt ctctccgact actgcatcng ggcccaatgc ctccatcaat 60

gtcattatgc ggcccttggc aaagacggca gctgcagagg cccaccnagc cacagccttt 120

gtggcaccat ctgggcctgg tcctggccaa acactttgag ccccacgaca ccaaggcagt 180

gctgcagctg ctgaggcggg agcatcagga gcgcctgcag aagataagcc tgggggacct 240

ggagcagctg gcacagtacc tcctgctgca gga 273

<210> 10484
<211> 443
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<400> 10484
gttacttccc tgtgaagtct gtggaagacg ctttgcagca gatgttctgg aaaggcatgg 60

accaatatgt aggaaactct tcaacaaaaa acgcaaacct ttcaattccc tgaaacaaag 120

attacagggc actgacatcc ccattgtgaa aaaagctcct cagtccaagc ctcaatctat 180

gagaagatct aattggagac aacaacatga agacctcatt aatgccatcc gatcggcaaa 240

gcagtgtaca ctagccatta aagaaggccg acctctcccc cctccacctc ctccatctgt 300

caacccagat tatattcaat gtccatattg catgaggagg tttaatgaaa ctgcagccaa 360

ccgacatatt aacttctgca aggatcagtc ttctcnccga gtctttgatc cagcccaaac 420

agcaggcaaa ttggcatcca gag 443

<210> 10485
<211> 529
<212> DNA
<213> Canis familiaris

<400> 10485
aaagtctccc agctgttgct ccgagccatc actgcgcaca aagggctgac ccttgctgcc 60

ctcaagaagg agtttggaaa tgctggctac gaagtgcgca ggaagtgctg ccgcccctcg 120

ggcgaagcac ccaagtctga tgtgaagggc acgcttctgc gggtcagcgg cagggacgcc 180

tcgggctact tcagggtctg gaagactccg aagcccaaga gaaagccagg acgcccgagg 240

ttggcggagg gcgcgcgctc ttcgcggagg agccttccgg cgccgcggag cccacggagg 300

cgcagcacgc atcgcagggc ggccaagaag gccagggaag tatggagacg gagcaccagg 360

gcaaacgcga gggtgcggaa gataagggca agagccaagg actcggtgcg ttccagagcc 420

agggaggaag cgagggctaa ggtgatggag gagaggaaag gacggaccct gaaggaagac 480

aacaggccta ggacccggga agagaggagc aggccaggct tgaagccca 529

<210> 10486
<211> 354
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)

<223> n is a, c, g, or t

<400> 10486
ctcgcgtgac tatataggca agcatttgga gactaccttt nctttggtat cctagccctc 60

agtagctcaa ggttggcntt ctgagcagat aaataggctt ttaagtagca aagttccctg 120

ctctcagcaa gcctgncncc atggggaagg gagacncctt ggagatagca ccaacccccc 180

ctgcctaccg ctctgtaatg gaggagtacg gttacgagat gggcaaggtc attggcaatg 240

gctcctatgg gacggtgtac gaagcttact acacaaagca aaaggtcatg gtggctgtca 300

agatcatctc aaagaagaag gcctctgagg actatcttaa caagttcctg cccc 354

<210> 10487
<211> 375
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<400> 10487
ggaaaatatg tgtaggaacc ctcaatgtga aaagtgtact ccacgtgtgt atttgagtca 60

gnccggcagg atctgcagcc gaagagatgg agacgcacag tagaagtcaa ggacttgagg 120

ctgtctttga agtctgcagc agagccccag actgaagcag cgagatgcat ctgctaatag 180

aattcctgtc tcagaggtgc cctgctgcca tccagcatcc agccggcact cggagtctgg 240

ctctattgat agatgaataa gattgaacat gacacctgtg tccagtgaat cccctggcac 300

catttaacta actcttagag cagctgcttt tgagaaatta ccttcagtct tgggcccacc 360

ctagcagaac aaaat 375

<210> 10488
<211> 421
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<400> 10488
gggttgcctg tggagctcaa tcagctcaag aatatccgtn ccctgnacct aggcttgnnc 60

catctggnca gtgtgcccnc cnctctgggt gctctgaagg agcttcatga ggtagggcta 120

catgacaacc tgctgaccag catccccaac agcatctcta aactccccaa gctcaaaaag 180

ctcaacataa agcgaaaccc ttttcccaag acagaggagt cagatatatt tctagatacc 240

atcaagaggc tggacaactt atatctggta gaggataagg atttgtgttc aaattgcctg 300

aaaaagtgcc aacaggcccg ggacaagctg aacaaaatca agaatatggc cacagcaact 360

ccaagaaagg ccatcttttc caatctggtc tctcccaact ccatggccaa ggattcccag 420

g 421

<210> 10489
<211> 188
<212> DNA
<213> Canis familiaris

<400> 1049
tgaacttcaa cttagctaca atcggctcct ttctctacct gaagagatta agttcttgaa 60

gaagctccag aaacttgtcc tgattaggaa caacattgaa gttttgccag agggacttcg 120

tgatcttcag aatttaagaa tcctagacat agctggaaat attattcaga tacttccatc 180

aggatttc 188

<210> 10490
<211> 87

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<400> 10490
ctgaccctga ggcaggaagg gaaaagggag gaagggaaga aggcaggggg ctatanctac 60

agggaattct gggatctcct attcccg 87

<210> 10491
<211> 441
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<400> 10491
gagaactctt ggctatgcac ggatgccacg tgaagacctc attaagtgtt tgnaaaccca 60

agctccaagt tcagggccac acgtctgttt tccactcaaa ggaagtacag ctaatggggg 120

cttgancatt ccttagagga tttcaagcct ttaattactc attttcagga aattacttgt 180

tctctggaag aaacaacatt ttgctttgaa tctagctaca cgaaagctgg accagggaag 240

aggtgtggtc tccatagggg acccgcagaa cacaagagac caaatcctga gtgattgagc 300

aacgcctgtt tccagaggtg ggtggtcagg ggaatggatt tcgctgggac ttcaggcctg 360

cntctgtcaa gagttctata aacaagccca ggttcccata tcttctattg tcccctggct 420

cccctccttg tgttaggata g 441

<210> 1042
<211> 257
<212> DNA

<213> Canis familiaris

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<400> 10492
ggacatttgt atatcactct cagcatgatt tttatgaagc atgncnacgt aaaacaaaaa 60

gataagatct tggacncccg gggctcagaa tctaagatta aagaatccaa atgccatagc 120

aaataggaaa tggagcccag aagtgttctg tgnctggccc agaatcagca gtggtatgga 180

ggctgatagg attggattaa aaaacttctc acctaggaat gtcttccttg tccttcacta 240

accaaagaac tcgtcac 257

<210> 10493
<211> 479
<212> DNA
<213> Canis familiaris

<400> 10493
gaatcagatc gacgtcacag caaaggatgt aattgcaaac gatcaggatg tcttaaaaac 60

tactgtgaat gctatgaggc aaaaattatg tgttcctcaa tatgcaaatg tgttggctgt 120

aagaattttg aagaaagccc agaaagaaag acactgatgc acttggcaga tgcagctgaa 180

gtaagggtac agcaacaaac agcagcgaaa acgaagttat cttctcaaat ttcagacttg 240

cttactaggc caacaccagc tttgaatagc ggaggaggaa aattgccatt tacatttgta 300

acgaaggaag tagcggaagc cacgtgtaat tgccttcttg cccaggcaga gcaagcagac 360

aagaagggaa aatcaaaggc agcagccgaa cggatgatac ttgaggaatt tggacgatgt 420

ttgatgagcg tcatcaactc tgcaggaaaa gcaaaaagtg acccttgtgc catgaattg 479

<210> 10494
<211> 337
<212> DNA
<213> Canis familiaris

<400> 10494
ggacatcctt tttcaaatct gctatggaat gtatggtttt atggatctag tgtgcatagg 60

tctcattgtc cacgaaggag ctgcagttta cagagtattt aagcgctggc gagctgttaa 120

cttacactgg gatgtattaa attatgataa agccacagac atcgaagaaa gtagccgggg 180

agagtcttcc acaagcagga ctttatggtt gccattgacg gctctacgga acaggaactt 240

ggtccaccca acccagttga cctccccgag gtttcagtgt ggctatgtgt tattgcatct 300

gttcaatcgg atgaggcccc gtgaagattt gtcagaa 337

<210> 10495
<211> 129
<212> DNA
<213> Canis familiaris

<400> 10495
gtgacttctg tgtgacaaaa gtgtaaggcg gcttggtgta gaccaccctg cacatgttgg 60

aatgtaattg caatgaatgg cgaaaccata gcacttctaa aaacatacat ctatgaactt 120

tttaaaatt 129

<210> 10496
<211> 193
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (76)..(77)
<223> n is a, c, g, or t

<400> 10496
acgagcgccg cgtcaagctc actgactttg gctttggtcg ccaggcacac ggttatcctg 60

acctaagcac cacctnnttc ggctccgccg cctacgcgtc gcctgaggtt ctcttgggta 120

tcccatacga ccccaagaag tacgacgtgt ggagcctggg cgtcgtgctc tacgtcatgg 180

tcaccgggtg cat 193

<210> 10497
<211> 150
<212> DNA

<213> Canis familiaris

<400> 10497
ggcctcacgg ctgcgttgga agtccgcgct tctcacactt gcggtgcgga tgcgtacggg 60

aagcccgggg atcttgttaa aatgaggact cccattccgt tggtcagagg cgcagcctgt 120

tgttaaaaac tcccaggttt gcatcgccag 150

<210> 10498
<211> 270
<212> DNA
<213> Canis familiaris

<400> 10498
gaccgcacac acgtgggagt tcacattttt ggcttattca tcgagggagc caggtggaat 60

catgaacaaa atgcactaga agactcgctg cctcgtgagc tatgctgcga ttttcctgaa 120

atctatttct tgccaacaaa gatttctact gaaacaacaa atacttctga gcagagagat 180

tcagaactct acacatttga atgtccagtt tatcaaacac ctgagcggtc aagaattttg 240

acaactggct taccctcgaa ctttctaaca 270

<210> 10499
<211> 237
<212> DNA
<213> Canis familiaris

<400> 10499
taatcatcca gaagaaactc aacatcgtca ggagagcctt taagggcacg gaccgcacac 60

acgtgggagt tcacattttt ggcttattca tcgagggagc caggtggaat catgaacaaa 120

atgcactaga agactcgctg cctcgtgagc tatgctgcga ttttcctgaa atctatttct 180

tgccaacaaa gatttctact gaaacaacaa atacttctga gcagagagat tcagaac 237

<210> 10500
<211> 391
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<400> 10500
tcagcgccgc tggaacgaga tgaaangccc gcggcgcacc tggggcgctt ccggacgccc 60

ggcaagtggt gacgtcatcg tttttgcctc cgccgcaccc cccgcaactg aatccgagaa 120

atatttcata gattctgagc aagcgtggaa ccatccatcg gctgttcttc caggcagtat 180

cttacagcac atgaagtaaa gaagaaataa ctaagtcgga ggaaacatca acagccccag 240

atcaggacag atgagaagca gacggcagca tgtctgacat gaaggaataa aactcggaga 300

ttcctgaatt ctagcctctc aatttcccta aactccaagc ttgatcctcc tgggaaaatc 360

ctctcgattt atctcttctg ggcctcactt t 391

<210> 10501
<211> 329
<212> DNA
<213> Canis familiaris

<400> 10501
tgtgggcagc tctacagtcc tcaattcctg actggctctg ctctgcactt gatgaacagc 60

tttctctggg ggtctcagca gccccagaga cctgactttg gaatctggct atgggtggat 120

gtgtggcctc aaatgaagac agggctcctt ccttctcagc cttccccagg ctctttccca 180

gttctggcct gagccagggc atgatgaaga gctcagcctt ccctgtatct ctgtgccaag 240

cctcaggggc cagataaaag tgcttcctct tggaatctca gttttcttat ccataaaata 300

gagctaccta cctcccaagg gtgtgtgag 329

<210> 10502
<211> 343
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<400> 10502
agacctctac ccattggcac ggtcttctct gtgaccatcg actcttcctg gatattccat 60

atcgggcctt ggatcaaggc aaccgggaaa gtttgactgc aacactggag tatgtggagg 120

agaagaccaa cgtggactcc gtgtttgtna acttccaaaa caaccggaat gacagaggtg 180

ccctgctacg ggctttcagc tacatggggt ttgagttggt cagaccagat caccctgccc 240

tccctcnctg ggacaatgtc atctttatgg tgtatcccct tgaaagggac cttggccacc 300

tgcccagtga gcctccttga acatgcttat tcctactgag agg 343

<210> 10503
<211> 130
<212> DNA
<213> Canis familiaris

<400> 10503
ctgcttggct tgctgatgcc ttttagggct tttggagacg taaagttcaa atggagcatt 60

gaccttcaaa agagagtgat agaatcgggc ccagaccagt tgaacgacaa cgaatacacc 120

aagttcatcc 130

<210> 10504
<211> 460
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<400> 10504
gtttggtgtc gcaaggccct gagaaagagc aggactctgg ggagccagag tgctcccncc 60

gcagtcccag tcttgggagg aagtttgtcc tagtagggca gtgagcaggg caagggtggg 120

gtgaaggcct tggaggacaa gttgcccttc ttctctcact tctcatggtc aggctggccc 180

tcngtgacta gagcaccact tgccagtggt gcagatgggc agataagctg gtcctagaga 240

gattcttggc ttggactgca gcatctgttg agtgtgttgg accatagcat tggcctctat 300

ttcctaggat gctggccgaa aggacaaagg agcaaagggt gggaaggtgg aattcaaacc 360

cactattccc caattcccac agacatcacc aggccctcag catttctcaa caggggtata 420

gctactgcct tccttggttg ttttctgact ccaatctact 460

<210> 10505
<211> 309
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<400> 10505
cggcactcag agcatgtatc attcagcgct ggtggaagca gatcctgatg aagctggtgg 60

agaagaggaa gcgactggcc ctagatttct atgtgcacca agaatgggca gtggtcaagc 120

tgcaatcctg ggtccgtatg tggcccatac gtgttcgtta ctgccgtttg ctccactctg 180

tccgcatcat ccaaatctat tggcgctggc acaactgccg tacccgtggt tttattcagg 240

gcgattacat cctcaaagaa agtcaactga atcttnaact tgaaatctct ttaggcacac 300

aggcttgta 309

<210> 10506
<211> 510
<212> DNA
<213> Canis familiaris

<400> 10506
aacgggatga gttctgggac acagcacctg cctttgaggg ccgcaaggag atctgggacg 60

ccctcaaggc cgccgcctat gcagctgagg ccaacgacca cgagctggct caggccatcc 120

tggacggagc cagcatcacc ctgcctcatg gcaccctctg tgaatgctac gacgagctgg 180

gcaatcgcta ccagctgccc atctactgcc tgtcgccgcc cgtgaacctg ctgctggagc 240

acactgagga ggagagcctg gagccgccag agcccacgcc cagcgtgcgc cgcgagttcc 300

ccctgaaggt gcgcctttcc acgggcaagg acgtgaggct cagcgccagc ctgcctgaca 360

cagtggggca gctgaagagg cagctgcaca cccaagaggg cattgagccg tcctggcaac 420

ggtggttctt ctccgggaag ctgctcacag accgcacgcg actccaggaa accaagatcc 480

agaaagattt tgttatccag gtcatcatca 510

<210> 10507
<211> 422
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<400> 10507
gaatccatgt tctctatagc tgggaaggtg gcnancccca gnaaaagaaa atgtacaaaa 60

gatcctggct cctgccaaaa gtccggtggg gcaaaccaac actcagaaga caaganggaa 120

ctccaaggcc caatcttccc ccaccgagaa gcaggtgtgc ctgggcttct tggatggacc 180

ccattcccca gacagtaagc tccggcaccg ctcccattct caccaactcc attctgcctc 240

agtcctggac caccctcgcc anctgcccta ggcactgtcc tcgaatggct tgtgtcaccc 300

aatcagggaa tgcaccctag atctcacctc tcaccttaga gggaaacgtt ggtctgctca 360

agaagactca atacaatcaa aagactttgt aggctcccca acatctgtgt cccttgaaga 420

gg 422

<210> 10508
<211> 341
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<400> 10508
agccatgggc cgtttggact gtataanccn cctgctcgat tacggagcct ccatanatga 60

aaaggatgcc cgggggggaga cccccatgtc catcgcccgg cgcatgaacc gcaagcacag 120

tgagcgacgc atgttcctct tctactggat gtcaaggctg gggacaaagg acccaaagaa 180

cttgatcaag aacaaggttt ttctcagagc aaagtctggg ttnggcncca agaagagccc 240

agtctaactc ccactgggaa cgtcggcccc tcaaagcgga ctcgggaaac ttttcggagt 300

tcaaattcac gcacggtggc ccttggtgag caggaagccc a 341

<210> 10509
<211> 241
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<400> 10509
gaaatcacat gacgatgagt atcctgagga aaatctatgt gaaagacatc aacctatgtc 60

ccctacacaa actcaagaaa acaggatgtg gcaatcacat ggaacaggaa actgatgctg 120

tctgcttggg ggacccagga aacccaatga tgtgccagct acagcaactg aatctgtggg 180

tgctgagagg aatcttgtcc catggtggtg aggaantgcc ctggcgtatt tctgtacatc 240

a 241

<210> 10510
<211> 421
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<400> 10510
gtcacgcagc tcctggaagt ggcaaagtca ggatccaaag cctggtttgc cggactcttt 60

ncactgcacc accagctgaa gggtttcggt gacctctttc tggggacatg ggcctttccc 120

agacgctggg tttggagatg acaccggcct tttccaacac atccatccgc ttttccagcc 180

agctccatct ctgggttggc tggcggctcc gggaagcagc caaaggcccg catccatccg 240

agtggctggg ctctgctgtg attacagccc attctcagtc atcccgcatg cagttatccg 300

cactggggac tatccaagtg accagctact gagacctgcc aggccccgag ctggcaaaga 360

atttaccagg ctttttccgt gctgagcctc ctactctgtc aactggtctc cactgaaaca 420

t 421

<210> 10511
<211> 507
<212> DNA
<213> Canis familiaris

<400> 10511
aaccttaatt catctatacc catcgaagtc ccaatgctaa aaagtaaaat tacctggtgg 60

acagataagt atgtcaagtt tcagaatcca agttccatta atctttctag tgcatttgca 120

gggaccacaa agcccccata ctggtctaag cctgtctatg aactagatga agaggatcca 180

ggaaataatg gcttcctcaa tgatgacttc atcgtgtgga tgcggacagc cgcctttccc 240

actttcaaaa aactgtaccg tcgactcaat cgaatacagt actttattga aggcttgcct 300

gctggtaact atagtttcaa cattacctac agtcttctca tctttgattt tccagtaacc 360

aggttcaaag gagaaaaatc agttgttctt tccaccttga catggagcgg aggcagcagc 420

ctttttttag gtctcgccta cacagtgaca ggagcagtaa catggttggc cgccttttcc 480

atgatggcca ttcacctgat gctgaaa 507

<210> 10512
<211> 501
<212> DNA
<213> Canis familiaris

<400> 10512
gagaagttgg gtgtccatcc cacaagctgc catggttgga ttattggaga acatgatata 60

tttcttttag tgcctttatg gagtggagtg aatgttgctg gtgttgctct gaagactcta 120

gaccctaaat taggaactga tgcagacaaa gaccagtgga aaaatatcca caaacaagtt 180

gttgaaagtg cctatgagat tatcaagctg aaagggtata cctcttgggc tattggactg 240

tctgtgacag atctggtagg atcagttttg aaaaatctta ggagagtgca tccagtttct 300

actatggtta agggcttata tggaataaaa gaagaaatct ttctcagtat cccctgtgtt 360

ttggggcaaa atggtgtctc agatattgtg aaagttaact tgaattctga cgaggaggcc 420

ctttttaaga agagtgcaga cacactctgg aatgtccaaa aagagctggt gttttaaagc 480

ctcttaatgt tccactgttt t 501

<210> 10513
<211> 423
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (332)..(332)
<223> n is a, c, g, or t

<400> 10513
gaagccgata tctatatggc aacctctata catctgatgg taaaaatgta gctccacagg 60

ccatcagtgg agagaatttg aaccncgtgg gatgattaga ggtnccaggt agatgtcctc 120

ttagaaaaaa aaaggttatg ggaatggaag gtgaagttct tactgctgct ctatcaaaaa 180

agcaatcagg atgtacctcg atcagctgta atgtgtcaac attcctgaga agaaccagga 240

aaggaaaatt tgggtatctc aaaatcacac acacattaac tgctccctct gcatggtcag 300

aaataaaagc attcaggagc acctgggtng cncagggtgt taatcgtctg tcttctgctc 360

aggtcctgat cccagggggt ccagagatcg agccccacat catgttgcct gctcagctag 420

gag 423

<210> 10514

<211> 82
<212> DNA
<213> Canis familiaris

<400> 10514
atacataatt tagcattctc atacatcttg gctaaatagt accatactgt ctaatctcaa 60

aggcataaaa aactggccac aa 82

<210> 10515
<211> 310
<212> DNA
<213> Canis familiaris

<400> 10515
gaggccgaga aacatcttca ctcctccaac tcctcttcta aaacccaacc ccaacagctc 60

ctgtatatct agcgtggtaa gaaaaacacc aggccctggt gaactctact aatttctcgg 120

tgtactttac tgtggcagac cgtgtggcga atgtcaaagt tggttcgaag acctactgac 180

gacgttgact ccctatggca tctgtggagc tttgtgtaca agactgaaag gagagctgac 240

agccaagatt agcgaaccat cttgctcacg ggggcttcag gaatatggac tcttaaaact 300

cggctatgac 310

<210> 10516
<211> 556
<212> DNA
<213> Canis familiaris

<400> 10516
ggagacgctg gtgttcatcg agacagggac cagaagggga gttgtgggtt ttaagggctg 60

cagtccagcc tcatcttacc ccccgcaagt ctcctacctt gtttcgccac ctggattgtc 120

cattgcctcc tatagccgtg tctgccgcac atatctctgc aataacctca ccaacttgga 180

tccatttgtg aaactcaagg ccggcactcc taagtcgaca gcattttctt cccacagttg 240

ccccacctgc gtgggtgaac actctaagtc ttgcctccca aattttgtca ccactgattt 300

ttgcccctac gacgcctcta agtgttacag ttccacctta aaattccagg cagggcttct 360

caataccacc ttcctcctct tgggctgtgc tcgtggacat cacaaacttt tatcagattt 420

tcaccatatt ggaaacatca gagtaactga ggtcctcaac atcttagaga aggcccaggt 480

tgctagtgca gagcgctcca gccatagtcc tgcttggagc atcctctcca gttttctgct 540

tgccttcagg gactaa 556

<210> 10517

<211> 338
<212> DNA
<213> Canis familiaris

<400> 10517
agatcagcat cagccaatca tcattccaga tactcccagc cctcctgtga gtgtcatcac 60

catccgcagt gacactgatg aggaagagga caacaagtat aagcctagca gctctggcct 120

gaaggcaagg tcaaatgtca tcagttatgt cactgtcaat gactctccag attctgactc 180

ttccttgagc agcccatatt ccactgatac cctgagtgct ctccggggca atagtggatc 240

ccttgtggag gggcccggca gagttgtggg ggatggcgct agcacccgca ccatcattgt 300

gcctccactg aaaactcagc ttggtgactg cacagtag 338

<210> 10518
<211> 480
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<400> 10518
gtgagagctg cactccaatc aaagctcttg gctagccatg gctgcaaagt gtgccacagc 60

ttaaccccct tctgtgatga gctcgaagga ctccaagaag tgctcccagt gtaagaagaa 120

gagtagancc aaggtccagg aaaaatttgc caggaagttt ccgtacaggt tctcttggct 180

gacggagcac aacgtggagt tcctgaagcc ctgggaggtc acgaagatga ccacctcact 240

gcgggatcaa ctgcccctgc agaagatgtt ggtggcaacg agatccattc cagtcagagg 300

gcttggggcc ccagactgta tatcaccgtc tagcttcagc cccctgccgc cgccgtctcc 360

actgagcaaa ctttgggaac tcaagatact gagcctccgc ttccccctcg gccacctgcc 420

cctggcgctc cgggcagtgg ccacagagca cggccttccg gacggacgtg aactctattg 480

<210> 10519
<211> 140
<212> DNA
<213> Canis familiaris

<400> 10519
atgatcgtgc ttggctggat gctttttgtt ggacttgcat gttacatggg cacatttccg 60

gagttcatgc ctccaactct gaagtggaag gaaaagtggc ctgttcagga gaacaagaca 120

cgactgagga gctgggcttt 140

<210> 10520
<211> 268
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<400> 10520
gagactatcg acaaagcagt ggtgccagca gttccagctt cagcagtagc cgtgcaggca 60

gcagccgcag tggtggaggt ggccacggca gcagcagagg gtttggtgga gaacttggag 120

cctcacaccc agggggacag gagctgatct gtgaccncaa agacaaaaac caaatgctga 180

ccatagtgga atagaacgat gagcaaacct acatcatgga tgacccagtg aaaccagtac 240

cccagccttg gctgtcttcc ccagtgtg 268

<210> 10521
<211> 300
<212> DNA
<213> Canis familiaris

<400> 10521
atggttctca ccatgctggg ggctctgtac cccagggccg ggctgagcct cttcctcctc 60

tacctcatcc tggcagctgc actcctccac ccccagccac tgaggcctca gcaatctgtt 120

cctgaagaat tctcagcccc tctggaactc tcgcagccac tttccggcct ggtggatgac 180

tatggggttc gacccaagca cccctggcca cgaggccctc gccccctcct ctcccgggcc 240

cagcagcgca agcgggacgg gccagacatg gctgagtatt actacgacgc acacctgtga 300

<210> 10522
<211> 452
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<400> 10522
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cctcnctggt gtcgatgagc ctccaaaacn ccctgccaac cncgtggaag gattcggaag 120

cagaactctg gggctgagac ctagacctcc ctgctcagct gtgtacctct gcacataatt 180

ggaggncctt accccaggta cctaagcnct ggacaagncc atgccaggga aactgccata 240

tggttactgg atatgagagc agcaatcaga agacctggga cagtagacaa ggacaattgt 300

ttgccaccaa ctatctcgct ctccaatggg actcccnttc cccccaccnc attgaaaccg 360

aaaacccctct ggtgccaaga atgagcatga ttttttttt ttaagctttg ctttgtttct 420

acggaatgat ctcatgctga tttgcttata aa 452

<210> 10523
<211> 429

<212> DNA
<213> Canis familiaris

<400> 10523
caagggctgc cgacttcttg ttcagctgtg atgcctccca cccagacacg ctgagaatat 60

atcagagcct tgattacata gaagacaatg ctacagtttt tcacgcccac tatctctctg 120

cagtcgctaa tgctgaaata aaaaactcgg tgactttagg tcatttcatt cttccccctg 180

agtgcttgca aaaagaaata agaagaaaac ttggtaattt tatttgggaa caagaccaac 240

attttcagat agaaaagcat tatgaagtaa caccaaatga aataaaagcc cttagggaaa 300

acagtgaact agaaacagat cgcaaaaaag aattatccaa aaggttatat atcaattgat 360

gccatgaaga aattccttgg ggagctacat gactttattc ctggaagctc aggatatttg 420

gcataccat 429

<210> 10524
<211> 277
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<400> 10524
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gtggggagcc actcggacct acggatccgg aggaacttgg cggaggctaa cacgcggcaa 120

aagatccttc ttctttcttc cttgataang agtaaaagga actgcttgac ttcaaaaaat 180

gagattagca acgtccctct tactgtgggg ctggacggta aaggcttttc ngttccaaaa 240

gccaagaccc ttccgctatg tgacactcct ccaaggt 277

<210> 10525
<211> 581
<212> DNA
<213> Canis familiaris

<400> 10525
taagcatgct tttgtcacca tctgctaaaa tgcagtatgt tggaggtgaa gcagtcatag 60

ccctaagtaa ggatagcagg atgcatcaaa atcaaatatg tgaagggaac ggaattgcac 120

cgttgattcg cttactgagg attagtaaaa tagccgaagg cacacttctg agtgtcatca 180

gagcagtggg gtccatctgt attggatatt tgtttaaggg caggctacgc attaaccctt 240

tttgccttca ataatcgcct tcaacaatac ttgatattgg aaagtggagt aatgaccata 300

tcaatttttg aacctttttct tgaatcaaca attgaaacag agaaggcaat ggcagcattt 360

caggttatca tcttagctaa agtcattata gatgtggacc atattacgtt gtctgcgaga 420

ggtgttacta ttttagttgc tagtctgtat tcagttcatt ccactactgt ttaatttata 480

gggaatttga tagccagcct ggctcattcc agagctggta ttccagaagc atttaccaca 540

ttagggacaa tccaacggct ttgctatcat ttgtactcag g 581

<210> 10526
<211> 492
<212> DNA
<213> Canis familiaris

<400> 10526
aatcctatca gtcaacaatt cgttgtacaa gaaaatgcct tcccagtact tcttcaacta 60

ctgagaaatc acccttctcc taacatcagg gttgaagtgg cattttcctt ggcatgcatt 120

gtcctaagga atgatctgtt acagaatgaa ttacaagaaa acgaaggatt taaatatgct 180

gatgtcctct atcttcttca ctcacaagat aaggatattt gtttaagggc aggctacgca 240

ttaacccttt ttgccttcaa taatcgcctt caacaatact tgatattgga aagtggagta 300

atgaccatat caatttttga acctttttctt gaatcaacaa ttgaaacaga gaaggcaatg 360

gcagcatttc agattatcat cttagctaaa gtcattatag atgtggacca tattacgttg 420

tctgcgagag gtgttactat tttagttgct agtctgtatt cagttcattc cactactatt 480

gtcctgacag gg 492

<210> 10527
<211> 425
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (220)..(220)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (389)..(389)
<223> n is a, c, g, or t

<400> 10527
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cagattcccc atgatttcag ctatnaaata aggagtgtct gcgnaggnag gatgccacat 120

ggaacatatt cttcgtgagg ctgatgattt ctttcgtctg gaatacggcc cccgtagaag 180

taaaggagaa agacatgncc ttttagaggt gcttgcgggn aaacagngag gagagcacgt 240

agaatgagca aactccatga gcagcagggc acgagctgag gttcttcacc agaggtcgac 300

gtggggagcc actcggacct acggatccgg aggaacttgg cggaggctaa cacgcggcaa 360

aagatccttc ttctttcttc cttgataang agtaaaagga actgcttgac ttcaaaaaat 420

gagat 425

<210> 10528

<211> 552
<212> DNA
<213> Canis familiaris

<400> 10528
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cccaaacttt cggactctct gagtcttcag acaacttgtg tcaataaaag tcgtgaaaaa 120

agaaaaagca cttgtggatc ttgcaagctt gaacaaaatg cttcaaaatg gaatgggagc 180

aatgccggca aatgcaaatg gacttccaaa ccaccatctc tcaaaagttc atccaccacc 240

aaacaattgg ttgcaacttg tgatgacatt aggaacctca aaagctccat tttaaatcca 300

tgccaagaac tctcaaccaa ggccactact tcccagacag cccaatcatt ggttaaaatg 360

gtctcaacca gatgtctgcc accaaggtct ccgatcccag tttcagctat acctctgtct 420

tttcccgaaa atcagagaga agaaattaag gcaccaagga ccaaaaagaa aacttatcaa 480

aaaaacattg aattaaacaa atcactctat attcagaagt taaactgttt atcaccttcc 540

tttacagcta ag 552

<210> 10529
<211> 247
<212> DNA
<213> Canis familiaris

<400> 10529
atttcccacc acatttgaga gcgagaagca acatgcaagt gaagaaagct tcatgtccga 60

agagagattc ctacccagga tgccttcccc agataccgtc agaaaggaag cgaaggaacc 120

accagcgcct aaaattgtga ttttcgaatt tgcacaccgc ctatcccagg agatcttgag 180

tgacgccttg aagcagtggg caggcgagaa catcaagtac tatgacatcc catacattga 240

gagtgaa 247

<210> 10530
<211> 481
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<400> 10530
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gggaaagcnc cgggagcgga gagcctcttc tcttgtgtca gttgtccaac gncccggcac 120

aatttaggtc aacatttcga tgatattcaa ataatctatt cgcctgcctg tggaattatc 180

accaggtgcc tcactcctag cctcggacag gatgcatctg gtcttggagt ggaagggaag 240

ggaattcacg tggattgtgt ccccagcctg ggccacaggc taggtagact gctttaaatg 300

cgttatctca ttcatgtgtc accacagcca tgtgagctag gtgttataat ccccttgatc 360

cctcagcaaa tcgaggttag aaaaatttgc tgaaatttca cggtttggac atgaaggaca 420

caggtctgtc cgcatccaaa gcacatactt gttttcactg gaccagagtt catgcctttg 480

a 481

<210> 10531
<211> 404
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (328)..(328)
<223> n is a, c, g, or t

<400> 10531
ggaagccgat gaggcttgca tctgagggcg tgccgtccca tgccagcctc tcggctcatc 60

tgaccacggt ctgcccatct gccacatggg gcaagtcaat ctgctctgcc cacctcacgt 120

gaggtggggg tcacaggaga catcatatgt gacagatatg ccatctgaga gccacaaagg 180

gacctggtgg ctgggggctc tgagatgtgg ccagggtcct agatctggat gggccatgga 240

aggtgaccgg aggaagggca gatggaacat gctggaaagg ancctttgga gaagacgtca 300

ttctgatgag gattactaat aacacctnca gggccatggc agcagggagc acatcccagc 360

acaccccaca ccccagacca agtacagctt tcccagcacc atgg 404

<210> 10532
<211> 509
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<400> 10532
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atngcagcag ctcagtttta gcgtgtgaat atttcagaag ggncccgaaa gggagatgga 120

tgccatacag gccaaggagg aagtgaagaa ggcccgtgag gaagatgagc aggacttgct 180

gatgggcagg tttggtgggc aagaaaacat tttccagaga tttcataaga gggatgaact 240

ttagtcattc ccacctcaga taaagatgac tggtaaaacc ttgcctttac tttaatcgac 300

atgtaaaagt gcaaatgtca acatacgtgg taatttgtcc agttttcttt gaaaacgttc 360

ctatgcttct cagtggggtt ggcctggtgt tccgtcagcc tcagccctgc ngtaccaaca 420

tgttgtctct cgacaaacct gaatgctagg agtcagaggc cggtaagggt ctggccaaag 480

atacgatgct ctttcctgag cccctaaaa 509

<210> 10533
<211> 433
<212> DNA
<213> Canis familiaris

<400> 10533
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ggcttggttt cagacaccct atactacctt cggacagagt ccagatggct gttccaccgt 120

tatgtttccc aagattatgg gaggagcatc tgcaaatgaa atgttgctca gtggacggaa 180

gctgacggcg caggaggcat gcggcaaagg cctggtgtcc caggtgttct ggccagggac 240

cttcacccag gaggtcatgg ttcgcatcaa ggagctcgcc tcctgtaatc cagttgtgct 300

ggaagaatcc aaagcccttg tgcgctgtaa catgaagatg gagctggagc aggccaacga 360

gagggagtgt gaagtgctga agaagatctg gggctcggcc caggggatgg actccatgct 420

gaagtacctg cag 433

<210> 10534
<211> 380
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (63)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<400> 10534
ccaatctcag ttgaggccag ggcatccagg gtgaagaata aatgcgatca agcctgtagc 60

tgnnccccct gctgctgttc tctctccctc caacctgtcc cttcccaggg gaggggtgg 120

gttctgggca cagcaggagt caaggggcca ggggctactg gggttttgga agagtaattt 180

gttcctcagg anggagtcca tgggaacaga agggagggca gaggcggggn acagcctgtt 240

tctctgtaac attctaggct cagggcagag cacatctgga tggggtggga aggaggctcc 300

ccatcttttg ggagactggt ctgtgaaatc cactcgggga taggcagtgc tgtctgcagt 360

gataccccta ataaattgaa 380

<210> 10535
<211> 366
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<400> 10535
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ccactaataa ctncnccctt cggtgcttct ctgtcctctc ctgtggccac tcttgaagcg 120

aggtcattac taaccatagt tacttactgg cacaatggtt ctctgcaatg tgaaaagacc 180

tgaaaagtta atactgcccg aaatcatggc tcttcacatg ggcatcaaca gctgatgagt 240

ggccgaaggc agagtgagca cagacgtctc aagactgaaa cagcacctca ccctctgcag 300

gagtggactt cattcagcca cagacaagta accactaacc tgttttgttc tgtttgcatc 360

tgtgga 366

<210> 10536
<211> 462
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<400> 10536
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tcatcactga gncnnccnaa ggcttgcagc caactacctg gaacgcgtgg ncaactccat 120

ccacctggac cacccagacc actccttccc ccgcagtaac tccnagtccc atcaccagca 180

cggctgcctc tgacaactac accaacacct gcanggtgcc ttccccccagg ggtgtcaaca 240

cgctgcagta tacggatgag cctgccggca ccagttaccc gcaccggctt cagagccgga 300

gcctcacacc tgtgctgccg cagaggcccg ggatgaagct gcccgagctc cccttgttcg 360

gcaacgggat cttttcctta ggtcgccttc ccaagctctg ggaagcaatc cgcncgggct 420

tgagagcccc cgagcccatc tctaaaccct gtagctggtg gt 462

<210> 10537
<211> 49
<212> DNA
<213> Canis familiaris

<400> 10537
gctggtggta acatcgacca tgaaatgggt acatgtccat caagctgca 49

<210> 10538
<211> 249
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (207)..(207)
<223> n is a, c, g, or t

<400> 10538
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cccggcgctg accgagcagc tggtgaacgc ctatggcatc ctgcgcgaga ggccggagct 120

ggctgcatcc gagggcagct cctacagcat ggacttcctn cagcgcgtgc tggtggagac 180

cgtgcatccc agtgtgctca ctgatgngct gctgttgctc tcctgcctca gccagttggc 240

acgtgacga 249

<210> 10539
<211> 541
<212> DNA
<213> Canis familiaris

<400> 10539
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aagattgaaa acctaaggcc caggcttact gtccaacacc cagattttac ccgggattct 120

gctgagcatg acctcatgct catcaagctg agtcatcccc aaaagctcaa cgatcaggtg 180

aagctggtgg ccctgcccaa caccacagat gacagaagag ggggaaagtg cactgtctct 240

ggctggggct gggaatggaa ggattccagc tcagagcctg acgtccagat aaaccagacc 300

gtcttttggt tctctaatga tgactgcaag gagtcccctg taagacaaat tcctgttcaa 360

atcacggaga acatgttctg tgcaggatca tctctggaga acaaacacat gtgtaaggaa 420

ttggcagctg ccccagtctt gtgccaaaat cagctccaag gcatcctatc ttggtcagca 480

gggtgcattc tgagaggcga tgtcggctac tacaccaagg tttcccgcta tacagactgg 540

a 541

<210> 10540
<211> 103
<212> DNA
<213> Canis familiaris

<400> 10540
gaacttgttt gggatgtgga agcctatggt gttcttggct attgcggctg tggctctgta 60

tgtgttaccc aacatgcgac cgcaggagtc agagttctgc ctc 103

<210> 10541
<211> 514
<212> DNA
<213> Canis familiaris

<400> 10541

atattccaga cagagatgct gcctgggaac tcgagccagg ggctttctcg gagttgtatc 60

agcgctatca acactgtgat gcccccatct gtctgtatga acaaggcaga gacagctttg 120

aggaagaagg gaggtggcgc ctcattctgt gtgctacatg tggatcccat ggaacccata 180

gggactgctc ctctcttaga tccaacagta agaaatggga gtgtgaggag tgtgcacctt 240

ctgctgaagc cacagactat acaccagaaa actcaggtga catcccttgt tgcagcagca 300

ccttccactc tgggaggcat ttctgcagag acaccagcct ggaagagaat ccaggccctt 360

cttggactaa ttggccagga ccttccttat tagaaaagcc agagtcctct ggtggcagga 420

ggagccactc ctggcggtcc aagggtgtca aaatcactaa gagctgcaaa aaatccaagt 480

aacagcttcc gagtagtcgc tgccaagtac attt 514

<210> 10542
<211> 332
<212> DNA
<213> Canis familiaris

<400> 10542
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tctaccaccg caagtgcata cagaaatatg ctcacacatc agcaaaacat ttcttcaaat 120

gtccacagtg taacaatcga gaagagtttc ctcaagaaat gctaagaatg ggaattcata 180

ttccagacag gaggtggcgc ctcattctgt gtgctacatg tggatcccat ggaacccata 240

gggactgctc ctctcttaga tccaacagta agaaatggga gtgtgaggag tgtgcacctt 300

ctgctgaagc cacagactat acaccagaaa ac 332

<210> 10543
<211> 368
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<400> 10543
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cttcaacctg gacaagtgac cgcttggccc agatcactgg tttctaccag atggcacagg 120

agcatcggaa gtactatcta gacaagacag gcctggtgcc tcgggtcccc tncttcgtgt 180

tgcctgtgaa ggagtgggaa cggtaccccc tccccactga ccttcctcct ctgagcccag 240

agaagaagtg gancctttta agagtatccc ctnagaatct gaagacctac cagacattcc 300

cctcggggaa gagggtgtcc ccacaggagc ggcagaagag agaccgatac tttgaattca 360

gagcgtga 368

<210> 10544
<211> 35
<212> DNA
<213> Canis familiaris

<400> 10544
gaattcagag cgtgatgcct gagagcctgg ctctg 35

<210> 10545
<211> 163
<212> DNA
<213> Canis familiaris

<400> 10545
taatctcagt gggttaccat gtgaataagc cgaatgcagt cttcaagctg aagcaaggaa 60

aacaaccgtg gatactggaa gtagaatttc cacattggaa ttccccagaa gacctatgga 120

aaattcatga cctaggagca agataccagg aaagccgaac cga 163

<210> 10546
<211> 472
<212> DNA
<213> Canis familiaris

<400> 1546
tgatgggtac ttcatgcacg ctccaacttg gtgtattgtg catgctagta gtagtcaagg 60

atgggtgcct tggaagtatc ggatgttcct aagagatgag ttatgcatca aacgggaaga 120

gagcctcttc tttgagtttt gcgatgtggt gaagaaggcc tatggcaagt gtgccattgt 180

ggtcaaagag agaaggcagc aggacaagat gaagccaaaa gaagacacag agctggaggc 240

ccaggtccgc gtcccatcag tcattagctt aatgagcatt gtgtgttgcc ctgaggtagc 300

caagtcctgt ggccatgaac tactctcttt gccttcccct tacaattacc taaaccctct 360

agactcagcc tggtcttctc tgaaatggtt tatcatcaat aacagaaagg agttttgctt 420

gcagtacatt gacaatgtct attcttacca gtatatactt ctcagcgatt ta 472

<210> 10547
<211> 313
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<400> 10547
aagatggtgc cttctaacca gagaatgcat agtagccctt cttaccgcca aatgaactgc 60

tttacgcacc tcnagccang acctactgtg gcagctttgc ttacgcatgc ccggagatct 120

tgctgggctt gccctacaac cctttcctgt ctgacacctg gagcatgggc gtcatcctct 180

acactctagt ggtcgcccng gctgcccttt gatgacacca atctcaagaa gctgctgaaa 240

gagactcaaa aggaggtcac ttttccatct aactactcca tctctcagga gtgcaagaac 300

ctggtccttc aga 313

<210> 1548
<211> 37
<212> DNA
<213> Canis familiaris

<400> 10548
caaagaaacc acaactgcaa agaccacagt gccttct 37

<210> 10549
<211> 472

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (289)..(299)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<400> 10549
tgctctggcc cgagcgctgg cactgccacc cccgctgccg gcagggcccg gccgtcctca 60

cgcgccaccg ccacgctgcc cgcagtcttc gtgctcgagt actacctgga caccctgtgg 120

aagggcacgc tgctcttcgt cgtctgcctc ctcctcgtca gcttcggcgt ggtgagccag 180

cctacggaag gtgcttcttc cagctggttc tgtgcggcca caaactagag ccgctggtgc 240

tggtgcagct gtcagagcgc tacgagcaga tggaatacct gggccgtcnn nnnnnnnnna 300

agctcaacat taactacttt gactgcctgg ccacgtccta ccgccacgtg gtccgccact 360

ggccgctggg ggccgccttc agnccgggca tcgtncagcg caagacccgc acgtacgaca 420

agcgggactc ccagtccgac ctggacctgg acctggacgt gtgacgccac ag 472

<210> 10550
<211> 301
<212> DNA
<213> Canis familiaris

<400> 10550
gaagcaacag ttttgacaag cagcaattat gataagagac caaaagattt tcctcaggga 60

aaagaaaatc ccatggtcca gaggacttct acgatttctt cctctacact tggagtcttc 120

atgtcccgta aaatttctcc acattaggtc catctcctct cggtatagct caacagcctc 180

catgatcctc tcagcctaca atgatggcaa caaaggagag aagtcattgc cacatgcccc 240

agcatcctgg aaccctgcaa ttggaaggcc tgactggaaa agcactacct agcttgaact 300

g 301

<210> 10551

<211> 313
<212> DNA
<213> Canis familiaris

<400> 10551
ataaggcgtc caccaacagt tgtttgctac atttgtggtc gtgaatatgg aacaaaatct 60

attgccatcc atgaaccaca atgtctgaaa aagtggcata atgaaaacaa cttgttacct 120

aaagagttaa ggagatcaga acctaaaaaa ccagaagtca ggaccattac tgctaaaggt 180

ttctatgatc tcgatgcctt aaatgaagct gcttggacca gtgccctgag ccagttggtt 240

ccctgtaata tttgtgggcg taccttcctg ccagacaggc tgattgttca ccaacgatcc 300

tgtaaaccca aag 313

<210> 10552
<211> 138
<212> DNA
<213> Canis familiaris

<400> 10552
ggtacctgtg tctcctcgtg agagcctttc ctttttggaa ttgaggcgac ttcctgaaca 60

gccttgcaca gatgcgtgaa tctacccccc tggctttgat ggtcggaagg ccagcagcat 120

ctcaagggct acagtcat 138

<210> 10553
<211> 49
<212> DNA
<213> Canis familiaris

<400> 10553
atctgactca aagaaaatta attcatgact cagtttccca gagatagag 49

<210> 10554
<211> 463
<212> DNA
<213> Canis familiaris

<400> 10554
gaaatttgat tctaaagcag ctccttcaca aaatgtatct caaaacttca catcagctga 60

ccatagcaaa tccaaagata agagagacta ttcgtggaca ccgactaaaa gtactttatc 120

tacaccattg ccaaaggcat atactgtgaa gacaccaacg aaactaaaaa ttcagcaaag 180

agaaagcaag aatgtaccca ctgaagaaag taataaaaag agaaaaatgg tctttgagtt 240

tgatattaat tcggatagct cagaagctac tgatcttttg agcatggttt cagaagaaga 300

gacattgaaa aaattataca agaataataa ttatccaaca acttctcatc tttgtgtcag 360

gacaccaaaa aagacccctt catctctaac aacccctgga tctacgctga agtttggagc 420

gatgaggaaa atgcgggaag atcgttgggc tgtaattgct aaa 463

<210> 10555
<211> 424
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<400> 10555
tcctctattc tggtgagcag tgttttattn caatgactgc cgatcnctac taccatggct 60

aagcncgatg ggaacctcac gtgccacgta gccactgcag ccaggcaggc cgaagggtnt 120

ggtancttag tccacactaa gtccacgtgc tacagtaaaa gtagtgggtt cccncttact 180

gagtaatatc tgtttataag gaaaagggtg ctcaggagct agtttttttg gttgccancg 240

gctctgatat actgtctgaa gacaaatcat ttcatccctt tgtatatcat tgatcccccc 300

ttctggcaaa atgtagataa tgatttcctc tcggtttggt agattttaaa ctgctactat 360

gaatcctcaa aaatacntta tctaaataac ttagacctta aatacatgtt tttagtctct 420

gaaa 424

<210> 10556
<211> 187
<212> DNA
<213> Canis familiaris

<400> 10556
gcctctggtg gactaggccc actgagccag aaagctgagc aggtggcacc tgttgcccag 60

gcctggggcc cagccctggc agtgccggaa gccaggggct gccctggggg ggctagctgg 120

gagatactac agtggactga gtatggccga tacaaccaca aattccccta tgcaaggcag 180

ccagaga 187

<210> 10557
<211> 359
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (28)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<400> 10557
ggaatgtcca gttagacgtg accgangnnc caggctgatg atgaaggcgg gacgctgatc 60

gctcggaagg tgggagaggc tgtncagagc actttgggag ccgtggtgac agccattgac 120

ataccactag ggctggtgaa ggatgcggcc aggccggcgt actgggtgcc cgaccacgag 180

atcctgcact gccacaactg ccggaaggag ttcagcatca agctttccaa gcaccactgc 240

cgggcctgcg gacagggctt ctgtgacgag tgctcccatg accgtcgggc cgtcccctcc 300

cgaggctggg accatcctgt ccgagtctgc tttaactgca ataaaaagcc cggtgacct 359

<210> 10558
<211> 502
<212> DNA
<213> Canis familiaris

<400> 10558
tagaaaacca gaatccttgc tccaccatac attgtttaga agttccagaa ggagagaggg 60

gtaaagagat catagaacaa cttcacaaac tcatacaacc agaaactctg aagaacacct 120

tggcttctac agactatgga atctcttcag cagaaccaga aaacgtgccc agttatcctg 180

agctcactga tcatcttgag gagaaaacaa tttcccccaa agttaaaact ctgggaaaaa 240

ataaccatca aaatgcatta agaagcttta agaaagcaaa gtcaaatatt tatatttacc 300

cagactttag tacatggatc aagctaactt ttgtccatgg aggaaagtgg agatttttcc 360

tcagtgctac agagttagaa gaattcatcc aatggcttct ttctaggcca gccatctctc 420

ctgaggaacc acaacttgta acccagagat attgtccatt cactgggctt atttcaagtt 480

taactacatt ctgtctctct gt 502

<210> 10559
<211> 241
<212> DNA
<213> Canis familiaris

<400> 10559
gaagatggtg caggcttgta gatataagtg ttcatcgtgc catctgaagg atttactaca 60

gagaaaaaaa gcaaggaaat tatgccagaa aaagaacagg aagacaagtc agcagcatac 120

gccaatgctc tggttgaaga cactgcttga cgtcatgctt ttccatgtcc tgttttcttc 180

cacggccagc aaaaagaaaa gcctattatg tggccggccc aagaccacca taatcatctt 240

t 241

<210> 10560
<211> 317
<212> DNA
<213> Canis familiaris

<400> 10560
aagaagaggc ttcccaggac ataaaggaga agatgtccac caactgccct cccactcacg 60

gccaggatgt ccacgtcacc agagacgtgg tgaagcacca tctctccaag tctgacttgt 120

tggcgaacca gagtcaagac gtcctggagg aaagaacaag aatccagttc atacgatgga 180

gccacacccg aatcttccaa gtccccagtg aggtgaggga cgatgtcatg cgagagcgaa 240

tagagcaggt gagacgcagc atatgcaacc tcacggatga agcgtcccag gagattcgca 300

gcagaaattc ctacgca 317

<210> 10561
<211> 467
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<400> 10561
tgctactcag cttgcaggca gtttanttct tctggncact ggcctgctca cttaaatacc 60

tgtgcagagg cttgggagtg agacnccggt ggtgtgtttc taggacctac ttcggacagt 120

acttcggact tccttgagtc cggtctagcc ctttacgggt catctgagac ccagcccct 180

catttgtgaa caggaacaat gataatactc gcctggcatg gttgttatgc aaactaaatg 240

tgccagtgtg agaccaccgt aacgactcag taaaggctgg ctctggtggt tagagaccaa 300

tatagtaacc cgaacgtcaa gctttggagt catcaaaacc gggatccaca gttggactac 360

atttcccagc ctcccttgca actgggcatt gtcacgtgac ttcagttcta gccaatggaa 420

tgtgagcagg agtgacgcac ctattccagg cttgagaacc acggtga 467

<210> 10562
<211> 356
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (238)..(238)
<223> n is a, c, g, or t

<400> 10562
agcaacatgg actcctgcct ttgttctgct ggaaccatcc ctcctaccct gcatgagcaa 60

gagctctcct tcacactcaa aaccacttgg aaatcacccg atgacaggcc tcccagaagg 120

ttccagttcc ccttcttgct gaaatgttca cgggccattt acttgtttcc aggcacttgt 180

ccttatcgta cggtgttaac ataaacagcg gtgactgtgt ccttcttcca agactgtncc 240

agggcctgga acaagtgcca cacccagagt ggtatagagt aaatgaatgg ctctgatggt 300

tcatgacctt tgccttagga gagcggaagg caattccagt ccaccagtca gggcag 356

<210> 10563
<211> 428
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (245)..(245)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<400> 10563
aagtctgtac tagaccatcc gaagaancgc attttatttg tttcaagtcc ncacagtgag 60

gagagctggc tacccaggtg gtgcccgttg gaacaaagag aaanctgatc tatgattaag 120

acactgaagc atctgcacag gagtcaagac ccttgccctg tgcatnccac gtgacgaata 180

ctgtgtgaag gaatggtaac gtgctttgag aacattcctg atgccctgtc cacgnggacg 240

gtgcncacgg caaaacccct ctctcaccga gggaggcttt ggcctcctca gcctggtnca 300

gtcaccaggn cttgaacaca tgtctcgggt gctgtaattc cggacactgt gtcagcaaac 360

ctctctgctt gccagggaaa ggcacccccc ctcccttcca ggagtcagaa atccatcttt 420

caaggctc 428

<210> 10564
<211> 502
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<400> 10564
gtgagttgag ctgctgagac ccacaatcac tgacatacgn gcacacngca cacacacaaa 60

ctaatggtct tttctcaggg aaagagtcca tacacagtga aggcaaggcc catgtctgag 120

agcatccact gggcctcttc cccccactcc ctaccccaca cccactggat gtcccacaca 180

gtttgcagaa cttcagaatg aatgattcct ttcttcctac ctgccttagg acctacttat 240

ttgacttctt acagccttag gcaaatgttt aaccactatg attaattggc cagtaagaca 300

catttaacgt aggtcataat atacaccgtt ttgttttcag aaggataggc ttatttgttc 360

aaggagttag aattttcaag cacagatgct tttcaactgt ttgcatatct caagtggaag 420

tgagaaccaa cacttcttga acacccccttg gccaggcact gtgccaggtg ctgaatttca 480

ctcggttcat tctctcaata aa 502

<210> 10565
<211> 161
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<400> 10565
gggcaggtct ctgtcactat cacacacaag gagggatgan ttgcaagagg aggattttca 60

tgatggagag aaaagaagat nccctctttg gaatccaagt acactcagct agtattttcc 120

atcattttgg ancctaattt tcccatgaga cttcctaaag g 161

<210> 10566
<211> 137
<212> DNA
<213> Canis familiaris

<400> 10566
gaaatgccag aagtagaaat tgacattgat gatctacttg atgcagacag cgaagaagag 60

agagctttaa aattacggga agctcttgta gactgctaca aaccaacaga ggaatttatc 120

caggagctgc tctctcg 137

<210> 10567
<211> 324
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<400> 1057
cgtgcccgtc agtgagagca acgtggccaa actgaccaac atctaccggg accagagctt 60

cnccacgtgg ctggtggcca ccaacacctc aaccaangac atgatcattt tacagacgct 120

gcactggcgc atgcagctca gcatcgaggt gaaccccaac cgccccctgg gccagcgtgc 180

caggctgcgg gagcccatcg cccaggacca gcccaaaatc ctaagcaaga acgagccgat 240

accacccagc gccctggtca agcccaatgc caacgatgct caggtcctca tgtggcggcc 300

caagtacggg cagccactgg tggt 324

<210> 10568
<211> 224
<212> DNA
<213> Canis familiaris

<400> 10568
gaaagtgagg ctaccacact acttgttgag ttccaagccc aagtctcaac ctctcacgaa 60

ggtgcaggat tctgttggag gaagagtgaa aacatcctct gttgcatctg ctgccattaa 120

taatgtgaat tcatcccctt ttggtttcca cctgctccca ccatcggtga agtttggcgt 180

gcttaaagag ggacacacct acgcaaccac tgtaaagctc aaga 224

<210> 10569
<211> 515
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (490)..(490)
<223> n is a, c, g, or t

<400> 10569
ggatcacaat tggtcaacac ctatgcaaga gaatgaaatc agtaaagaac cttatgacga 60

tcatcagtct gattctaata atagaaagca tcctgaccca aacagtaagg aacccttaga 120

ccctgacaac atagagctgt cagtgcagaa gaccagcttg aagactcagg ttcagtctgg 180

gccttcagaa cagaccagga acaatgagat caaagatgaa ggactcacaa aggctgatcc 240

tcttgaaaag aaacccaaga agatgactct ggaagccgaa ttagaggaca taaagaaaac 300

tcaacaacgc agtctaatgg actggagttt cactgaacat tttaaaccga aagttctgct 360

tcaggttctg caagaagcca gtcagcaata caggtggatt gattcttatt accataccca 420

ggacaactct ctacttttag tctttcataa tccaatgaat acacaacgtc tgcattgtga 480

acattggaan attgctcttc actccaacgt tggat 515

<210> 10570
<211> 82
<212> DNA
<213> Canis familiaris

<400> 10570
ccgtggccac gcagaaaaca gacacaggcc tgactcaagg actcctgaaa gtcctgcaca 60

agcagtgtag ccacaagcag ta 82

<210> 10571
<211> 414
<212> DNA
<213> Canis familiaris

<400> 10571
atggtgccag tgctcatcgg ctgcccccca ggcaagcgcc tggcatttga catcacctac 60

acgctagagt acaaccgcct gcagaacaag cactactttg actgtgtgaa tgttgacccc 120

gagatgccct gcttcctctt ccgtgacagt gcgtgtccag tgccctcacc tcatttgttc 180

actgtcctct gtccccacca ctgggcccgc cttccctcac tgctcactca gttcctcact 240

caacctctgc tcttcccttt ggtcttctca actctccttc ctcccctctc catcctccta 300

attctgaggc taatttcttc tcctcctgac tccctccaac cccacagtct tctacccttt 360

cttcttgatc caagatctgg tgacaggaga ttcgggcagt tttcagggca ggta 414

<210> 10572
<211> 211
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<400> 10572
agatcatctc agacatatcc gtgccctgca atgtaggccn agtnccgctg cctcatgttc 60

tgctttatcc cttctcgccc agaggaggtg ggtgagttct ggctcaaaag acgagctacc 120

tttgacccca aggcctggag ggcccaatgt cgttgcaaac acagtcatga agaccacgca 180

gctacggggt cccatccctg caggataaaa g 211

<210> 10573
<211> 475
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<400> 10573
ccggagtcca gaagtgctgc atctagacag aggntgctan cagcgctgag aaagctgtgc 60

atnctgcanc cacgtgggtg tgcgtggccc cgtacttgta ggtncnccgc agataacagg 120

tgctcctaaa tctgaggaan ccggagaaga tagcctttta gcagaaagaa gagtggcagc 180

ttttctctgc ctcccgggat ccctggcgaa tactgttcat gagtcacctg tggctcctga 240

cagcagtgcc cttcacagct tagtgactgg attgctggat tgccagggcg accagaaaca 300

accggtggct acaagtccca gccagctagt gggnatcttc tgccgcgtac cccttnctcc 360

gggtttccag cagagatgga ttacattcca tgtgctgtgg tgcattttng aggcaaaaca 420

agtagattgg aatcaatact ggttccaaag ggcagagact aaatgtaaca cccac 475

<210> 10574
<211> 518
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (273)..(273)
<223> n is a, c, g, or t

<400> 10574
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cacaggcagc ctccagataa atgacacgga tgagacgcct gataaaactg ctgcggccag 120

tatcaaagcg cccttgcgac cgagaaagca ctactccttc acggaagcca ccgagaacct 180

gcatctcggg ctcccggcct tgggcgggcc ggcgggcaca ggcgggccgc gaggcagtct 240

cagcgcgggc aagccgcacg ggagcgcggg ccncgggcca gagcacgcgg tgagcgggta 300

cgagccctcc tttggcaagt cttcccgaac aaaggccaaa gacacgttca gggataagaa 360

aagaagtcta atggaggaac tctttgggtc gggctacgtc ttcaaacacg accaggcctg 420

cacggctgcc cctccacagc tcgaggagac gccggaaagt aagatgcacc atctaccccc 480

cggccaggcc tccgccagca acgctttcag agattcta 518

<210> 10575

<211> 350
<212> DNA
<213> Canis familiaris

<400> 10575
gcagccacag agattcaggc ctggtggcgt ggcaccctcg tacgcaggac actgctgcac 60

gcagctctca gtgcctggat cattcagcgc tggtggaggc tgaccttgga gagcctgctg 120

cagaagaagc gaaaggcagc cttggttacc tacgcaaata cagagagggc agtggtcaag 180

atccagtctt tggtccgtat gtggcgtatc cactggcgat actgtcaggt gctcaacgcc 240

atcgatgtca tccaatgcca ctggcaatgc cacaactgct atacctgtgc tctcctccgg 300

ggacactgtg tagtcacagc cactcacctc cagttccaca ttgagatcat 350

<210> 10576
<211> 204
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<400> 10576
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tattggcgct ggcataattg ccacacccgt ggctttttcc atggcagcta tgacctcacg 120

gcaacccatc tgggacttga acttgagatc nttctggggt cacagatatg tcggattaca 180

gactgcatcc ccttcccaat aaag 204

<210> 10577
<211> 178
<212> DNA
<213> Canis familiaris

<400> 10577
tgcgcagccg ggtaagggac tggcagaaag ggtcccacga actggcgcga gcaggggccc 60

gcttaccaag atgagctgca cataccccc aagggaggac cacttccttt ttcttggctg 120

ccgctttctg aaaggagtga gctatcatca gtgctgtgaa ataaaagtct ggtgtgcc 178

<210> 10578
<211> 368
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<400> 10578
ttttgcaaag acatgactct gctgaacaca aagctgggga tgtaccaaaa gcaagaagag 60

aaactagact ctcagagtcc tgaagaaatg ggtatggaag gaagtgagcc cctncttcct 120

caggtggcnc cagccccatt agtgcagaac actgctcctg gcattacaat gtggaagcgt 180

gcactgagga ttttcatcat attttatgtc ctcaccttca ctggactttc atgttacata 240

ctanttttcg atgctacatt tatctttgaa agcttactcc ctgcaatgct cggtcgccgc 300

agaatgtggg aactacggga gatcattgag cctttcttga acttggaggt ggaagacttg 360

ttaccctc 368

<210> 10579
<211> 292
<212> DNA
<213> Canis familiaris

<400> 10579
tcccagacgg gaatcatttc cctgtacgac tgcattttta agaggaaccc aggctacaat 60

cagaaattgc accgagatga cagagagcat gcaaaaagcc tgggacttca cgtgaacgag 120

gaggagcgcc agcggcccgt gggagtgctc atgtcctcgg tctacgggag gcgcatacac 180

cagcccgtgg agcccctgaa ccgggaccac ggccgtgcca gccacgtgaa ggctgacttc 240

tacaggaaga atgacatccc cagcatcaag gcgcccagct ttgggcacat tt 292

<210> 10580
<211> 395
<212> DNA

<213> Canis familiaris

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<400> 10580
gagaaagcag ctcttgaccg ggactcacag ctgaaagcaa tgaaagagac tgtccatctc 60

tgcctgtcaa ctgtgttccg taatcagcct ccccctttga gtctgaccag gtcaaatcca 120

actcagatgc cagttccacn cgggtcagtt ggccctctga tttctgatgc aagtagaatg 180

cagcctccgc aaacctttcc tggaaggaat gagagctttc aaattgagac aacaagggaa 240

gaaaatccga gcaccaccga gtgcaattct caaaagcttt tacaagaggg caggacctgc 300

ttaatgaagc cgaaagacaa tcaatcaagc agtgtcacta tagagccant gactacccca 360

aagaaattgc aaatgcctcc ttgtactgaa tgtga 395

<210> 10581
<211> 442
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

<400> 10581
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gggggcctac ctgtctctaa ngcaactggt gctacgggga ncagcaccat acctactgtg 120

actggacnan atagtggtcn cccattccta cagagcacac agaacccccc caagccacag 180

cactngtggt gcaatggggg ataccaccat gcatcttaga actctctgct cttggaacac 240

ngtggacctg cccctagtca gggcacccct ctgactttgg tgagccagca ctgtgtgtgc 300

aagttcttgg tccactgttc tgtgctctgg gcgtggctag gtaccttcat aacctgtcta 360

ggagccacca cccactggtt ccttccttt gtcatgaatc tcaacatcta tggaacnaga 420

tactcctcca catattttat gt 442

<210> 10582
<211> 336
<212> DNA
<213> Canis familiaris

<400> 10582
gtacccctcg tggacagatt ggccacaggg gatgttgaag caacactagg atgtccagct 60

tccagctttt gcttcttctg ggaagccttc cctgattttc cccaattggg caggaatgac 120

caggcagcaa tctgatggac acagcatgca cctgagatca ttgatcctga ccatattctt 180

gtgaagttgg ttttatcatt tcttctcgaa tatgagaaga tggtctcaga ggaaggacct 240

ttgaccaagg gcagcaagcg gatatgcgct gagccgtgat tcaggcgcag ctctgtctga 300

tgtctccgtg ttgctgtgct acagttcacc agagat 336

<210> 10583
<211> 175
<212> DNA
<213> Canis familiaris

<400> 10583
aggtctagtg cagctggaac cccgggtccc caggtcacgt ccgaaccaca atttcaagat 60

gatgttagaa actcagactt gccactgcta cctattctta caggaactga cggttacttt 120

ttgttcccct aagtaagcca gacactttag agcacgtcaa cgtggacggg ccaga 175

<210> 10584
<211> 348
<212> DNA
<213> Canis familiaris

<400> 10584
gtttgttgtg tttgagagcc ctgaggacga agcctggctg tcccctgggc caagcctgtg 60

gcagtggagg gctgaaggca ctcccaccag aggaagccca caaggcccat tcccagctgt 120

agatgctggg ccggtgtctg ctgcaaacat ccagtgcaga gtgtctcaat cgaatgatca 180

attctctggc cacttgtcat gaccggcagt aaactaacaa acaggaacag gctagaacaa 240

agaggaaagt ggagatgcac ggcacacggc aagatttgca gagaagctgc caagataata 300

aagttcctgt gaacccttca tgcagcttct cctcagtctg gcatttat 348

<210> 10585
<211> 355
<212> DNA
<213> Canis familiaris

<400> 10585
caactcgtac tggtactggg atcatgagga ccatgacatc gctgctaggc tgcaactgag 60

cgggatgcta ctctcacgac cccatctgct ctttggccgc taccacatgc tagaggggca 120

ggaccccagc caccagcaaa gcccccagag gcactgctgg catcgtcctg tgaggatggt 180

tgaacagtgt tcacccaaca gaataccatg caaccagatg cagcacgaaa agaacaagtc 240

tctccctgta tccagtgttt tcctgttgag gaaagcccca tgctgtgcag gattattttg 300

cttctgctga ttcctcactg cacggctggc atcttcccgc aggtcttctg aaatg 355

<210> 10586
<211> 57
<212> DNA
<213> Canis familiaris

<400> 10586
ttgttaccct cctaaagata tagaagttac tgctgctcta ctgactttct ccttaat 57

<210> 10587
<211> 569
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<400> 10587
agcggccgtt gtgacgtttt tctctcngcc cagctgtgtg gaccgtgcca cacgccctcc 60

gaacaacaac ggctcttgcg tgcatatttc agtgtttctt ttgtcagaga atccagcaga 120

gccgcaattc gtccagggcc agccctgagc tgagcgagga gtgnccagcc gagatggtga 180

agatgncnaa atccaaaact ttccaagctt atctgccaaa ctgtcnccga acgtncagct 240

gtgtccactg cagagnccac ctggccaacc ncgatgagct gatctccaag tcttttcagg 300

gaagtcaggg acgagcctac ctcttcaatt ctgtggtgaa cgtgggctgc ggccccgcgg 360

aggagagggt ccttctcact gggctgcacg cggtcgcaga catctactgt gaaaactgca 420

agaccacgct cgggtggaaa tacgtgagta ncccggcccc gcggcgaccg cacggacttc 480

gctgcggtaa ccagacacgg tacagacgga aacaaaattt gcaaaggagt taagacctcc 540

cactggaagc ctcaaagaat ccgtgtctt 569

<210> 10588
<211> 62
<212> DNA
<213> Canis familiaris

<400> 10588
attttgcgtc tttgtacctg actcatgtgt ccaaggggcc ttctgggaaa ctggttaatg 60

aa 62

<210> 10589
<211> 231
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<400> 10589
gtttcttata acacatccta tgctgtntgc ctgaagctta cagaaacctg ttcatgtaaa 60

ggaaactgac atcacctgag ccatcttgct tttctgtcaa gcactgacaa ttcaggaacc 120

cctttcctcc tttcctcccc aaaggccagt gacagagcaa aggagagcat ttccattgta 180

aagatgaaca acatttaaaa gagagtcaaa ctagtgttga catgtacatg t 231

<210> 10590
<211> 549
<212> DNA
<213> Canis familiaris

<400> 10590
ttctgccaag aaatgccctg tgactacctc ctctctaatt tttatgacct tctcatacaa 60

caaacaccaa tccagttctt cccttccctt tttcagccca tgggtaatta ctcctttgag 120

ggaaaattca agagcctcaa agataaagag tttgaggaaa atgaccctag ttctcccagc 180

aaccctgctg cttccatcta cactaacctg aaagttgcca atatctctgt tctcgtgaat 240

gcctatagct tagataagaa tttcttttat gccaaatcgg ctgaggctgg caatcatctg 300

actgtggttt tggatgtacc tgccagagta tcccgagttc aagtgctgac tggctctcac 360

ctaaaaggca agaatcacct ggaagaggga caagtagaac tgggctatga tgctactaat 420

agagtccatg actgtgatga ctatattctc ctggggctac tggaaaatgg caccctgaat 480

aagcaggtgt tatctactga gtctggaaag aaggtaaaat gtgtgagact gcttgtgata 540

gccactcca 549

<210> 10591
<211> 441
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (258)..(258)
<223> n is a, c, g, or t

<400> 10591
agccagaagt tagcgttccc ttcaacaact gcttctgaga acggagctga ggaatacatt 60

tgggggtgag agagaaacca gatgtggagg caaagctgtc cagtaccatc tggaaagcac 120

tctgacgaat ggtgggggcg atgtaaaggt aaataaaaga gctcgagcct agactacagg 180

tgtgatttgc caggaaagac acacacagaa gcacgttacc aaaacctgag cagaggacca 240

ggaaggctgc tgagtgtncc accggcctgg ggttctgcac tgcaattcta gtggctcggt 300

ctttaaaatc ctatctccga ggtactgatc cgtagcattg cttcttctgt gctgaccccc 360

ttgtcatggt tttgtctgct ctcgaaacct gagatttttt ggaatttgtt gcctcattac 420

actgggcttt acacacatga g 441

<210> 10592
<211> 494
<212> DNA
<213> Canis familiaris

<400> 10592
gaaatcctca aagtggcaat ccctagactg gcaaaatgaa aattcgcaat ctctaaagtc 60

acctaattta gagcaacaaa acaaaagctt gcaatctcca aaacagaaag ccccagacca 120

gcaaattcaa ggccaacaat ccctaaaaag gaaatcccta gaccagcaca tcaaggattg 180

gctatctcca aagaggcact ctatagataa gcaaatccaa gttaagcaag acagacagca 240

acacctagat cagcaagctg aggtccaggt ggtccaatgg gaacaattac aaaggcaagg 300

tgaagatcaa caggacggag agaagcaatc tccaatgaga caacacaaag aaagacaaga 360

taaagctcta caggtttata aggggcaagc catcaagaaa caaagcaaat accagcaaac 420

tgaagacctg caggtacaag aggagaaatc tctaaagcag ccacatcaag atgggcaact 480

ccaaatccag gaac 494

<210> 10593
<211> 475
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<400> 10593
aatcctgtat ttctggtatt tcctccagag atcactattc ctgatgtgca gccaacagac 60

cttacagccc caacctttga gtctaagagt gcttttccaa aattacttgc tacaaaaatg 120

aaaatcttag gggctatgca gatcctattt ggagtgatga acttttcttt tggagtcatt 180

ttcattttca cnctggaaaa tccataccca aggttcccct ttatatttat ttcaggatat 240

ccattctgga gctctgtttt gttcattaat tctggagcct tcctagttgc actggnaaga 300

aaacccacag gaactctggt gaagatgagc cgaataatga attttcttag tgccctggga 360

gcaacagctg gaatcattct cattgcattt ggtctcattc tagatcaaca ctacttttgt 420

ggctatgttc aagcagttag tcagtgtcaa ggcattgcta ccctattcat tggaa 475

<210> 10594
<211> 170
<212> DNA
<213> Canis familiaris

<400> 10594
aggtccggca gcagagccgc agcctaaagc tgggcagtgc tcccttccct cggggcgacc 60

tggcgcacct ggagcggagc gtggggcgcc tgcgcaccat gcactccaag atgctgatgg 120

acatagagaa ggtgcagatc cactttggag gctcggtcaa ggccagcagc 170

<210> 10595
<211> 481
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<400> 10595
ataggagtgg ctattcctcc atcaancaag atgccccttc ctgatgggag gaggttcgga 60

gcccaggcct agagaacgag tccgcactcg ttggccagga cggggcagat gtactttcca 120

cagcttcctc tgcatgttct ctgtccagca tcaatatttc catgttcggg atgaaacaga 180

ngttacctaa catttaaagg aatgactttc tcctttcaaa acaaggagga atgtgcagta 240

tcaaatctgg attccagaaa ccctggcaca ggacgaccct gtgtcccaaa ctttcttgcc 300

aaggttccag tttatgccca cgaggcccag agaaggttcc ggatgtggcg gcagcttttg 360

gctctgaatg gttttggctg caagaactac ccggtgactg atttactcct cgatttcgag 420

tctttttcc ccccctccat caaaataatt ctccacgaat catttccatg tttccaaggc 480

a 481

<210> 10596
<211> 289
<212> DNA
<213> Canis familiaris

<400> 10596
cggaggcggc gatggaaccg gccgagccgc ttagcgacct ggtgtccgcc gagggccgaa 60

accggaaggc ggtgctgtgc cagcgctgcg gctcccgggt gctgcagccc ggggccgcgc 120

tcttctcccg ccggcagctt ttccttccct ccatgagaaa gaagccagct ctggctgacg 180

gcagcaatcc tgatggcgat ctcctccagg aacactggct ggttgacgac atgttcatct 240

tcgagaatgt gggcttcacc aaggacgtgg gcaacatcaa gtttctggt 289

<210> 10597
<211> 249
<212> DNA
<213> Canis familiaris

<400> 10597
ttttccttcc ctccatgaga aagaagccag ctctggctga cggcagcaat cctgatggcg 60

atctcctcca ggaacactgg ctggttgacg acatgttcat cttcgagaat gtgggcttca 120

ccaaggacgt gggcaacatc aagtttctgg tgtgcgcaga ctgtgaaatc ggaccgattg 180

gctggcattg cctggatgac aagaacagtt tctatgtggc cttggaacgg gtttcccatg 240

agtaactga 249

<210> 10598
<211> 483
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (51)..(51)
<223> n is a, c, g, or t

<400> 10598
gcgctgagcg gaaggcagtt ttcttttgtt tctgtaggag aggagcggac nccagacatg 60

tgggaggagg aagtgatggg aagcccaggg gacatggaag ccccgcgaga ctgaagaagc 120

actttgagga actttcgaga acttgtttat acatcaggac tgctggcaag agacctctct 180

cttctctggc ttcgtgagaa ggggtgaggg cgcgtgcagg atggctgtcg ggagctaaaa 240

ccactcaaca ggtcacctag agcgactgat taagtgcctt gcaaatcttt attatccaaa 300

cgtttatgtt cagactttct cgtgtacaga tggtgctagt ccagatgaaa acaccaccac 360

acacgcggaa atcaagcgcg tttttgaaat gtatttccag ctcgttttct cttggtgttt 420

tatcctgttt ctgacttgct gtttctaagt agtatttgta gatctattcc ctactcggta 480

ttg 483

<210> 10599
<211> 319
<212> DNA
<213> Canis familiaris

<400> 10599
gcaccatgca ctccaagatg ctgatggaca tagagaaggt gcagatccac tttggaggct 60

cggtcaaggc cagcagccag atgatccgtg agctgctgca ggcacagtgt ctgagctccc 120

cctgctacaa acgggtgcca gaaacggctg actacacgta ctcgagcgtg cctcggcgct 180

gcgggggcag ccacacgctc acctacccct accgccgcaa ccgcctgcag cacccgtccc 240

agggcctgta ccccaccgag gaggtccaga tcgccatgaa gcatgacgaa gtggatatct 300

tgggtctgga tggacatat 319

<210> 10600
<211> 363
<212> DNA
<213> Canis familiaris

<400> 10600
gcagcagttt gtacatctgg cagatgagga caactgaggc aagttgaagt aacttcccag 60

acccatgtga ccagcaagag atgacaagaa cctctgagtt catccacacc acgaacctca 120

cttgggattc cactgggctt aaggaagaga atctggggag cagcaaagtg aaggaaccag 180

ctttgtccaa cttggagctc atggtttcac cagaaaggga gctcggtctc tgttccctgc 240

attctagctc ccgggtccca tcagcattcc atggctatgt ctgatgttcc cttcaaatgt 300

gccttaggga tgcctgactg gcccagtgct cctagtggag cacaggactc ttgatctagg 360

gtt 363

<210> 10601
<211> 300
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<400> 10601
gaacgtaaag aacagtccca tcccaagaaa aactctgaag atgattcagc cttctgcagc 60

tggatcactt gttggaagag aaaatgagtt ggttaaaggc ttgcccaaaa ggaaactttg 120

gaatgaccag ttaacatcta aggcttccag ctcaggagtt gtcactgtcc cagaacatag 180

tgaaaataaa aatttttttg aaattactct agaagcattt gatcttatgg ttgcagaaaa 240

tccatcctnc caattttgga aagaagtggc agaaaaacgg aggaaggctc tctacgaagc 300

<210> 10602
<211> 568
<212> DNA
<213> Canis familiaris

<400> 10602
caagacctaa cattgtacct cctgaaacta ttgacaaaca gtgggcactc gttggtgagc 60

acaggtgatc gggaatatat ccggaacgta aaagaaaaat gttgctatgt ggctctggac 120

ttcgacaagg agaaagtgaa agctgactgt ccttcctacg cacagaagta tcagctgccc 180

gatggccagg agatcaccct tgggcgggag aagttcttct gccctgaagg gctttttcag 240

gcagatctca tagggagacg tgagccaggc atccacatga aggccttcca gagcatcagc 300

tcttgcaatt ctgccctctg gaagattctc ttcagccaca tcgtattgtc tggaggaact 360

ggctcctgtt ctggcttgtg cttccggttg cagaaagaga tatctgccct ggtttcccct 420

acgattaacg tgaaggtgtc cacctgcccc tactccactt acagtgcctg ggtgggcggc 480

tccatcctgt gctcactctc caccttcaag gacatgtggg tcactagcaa agagtataag 540

gacatcggtg cctctatcgt cagtagga 568

<210> 10603

<211> 134
<212> DNA
<213> Canis familiaris

<400> 10603
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cccccgtagc cgtattggtt taagcacgct atctcgaagc cggagccctt ctccaataag 120

atgtggattg ccaa 134

<210> 10604
<211> 343
<212> DNA
<213> Canis familiaris

<400> 10604
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gacgaagagc tgctgggcca cgtccagagt gccatcctgc aggtgcaggg cgactgcgag 120

aagctcaaca tcaccaccag caacctcatc gaagaccatc ggcagaagca gaaagacatt 180

gacgtgctgt accacagtct agagaagctc gagaaagaaa aggccaatag ggagcacctg 240

gaaatggaga ttgatgtgaa agctgataag agcgccctgg cagccaaagt gagccgcgtc 300

cagttcgatg ccaccacgga gcagctgaac cacatgatgc agg 343

<210> 10605
<211> 350
<212> DNA
<213> Canis familiaris

<400> 10605
aacccatgac atattctgct acctgcaaga ctgtagtgga gacatgtttt attcctaaaa 60

attacttgta tgaagctttt gaacaatgta gtcctcacat tgaatataaa atgtggctaa 120

aacttggact ttctattact gccaaaaaaa tcagggaaca tctatcttat gaggattgga 180

actacaagat gcaattaaaa ctctgtaatg tgtctgtaaa agatatacca aagaacatca 240

aaactggtat ctatgatgaa actgtgattt atgtcatcct catccatgga gctgtagaag 300

attgtcagtt acggaaagct tataaggcac cttctttaat tcctataaca 350

<210> 10606
<211> 149
<212> DNA
<213> Canis familiaris

<220>

<221> misc_feature
<222> (28)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (31)..(32)
<223> n is a, c, g, or t

<400> 10606
tggattgcca aggttttaag gccacccnnc nngttccttt gccacagtac atctgcaaca 60

gccaactttc ccagcatctc tatctcctct gcctgcctca gaactcactt aagataatgt 120

gaaaacgcaa ttctgtgtat cactccaca 149

<210> 10607
<211> 503
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

<400> 10607
tcctgcttta tgtcagcata ccgggggccc ncctgatgca agcacagatg agaacatcat 60

cgtgtctatg atngcagccc tctgtatcgg caaccgccct cnagancccct nggggcctac 120

ctgtgtctaa ggcccctggt gctcccggga acagcaccgt acctactgcg actggacatc 180

ataacggtcc cncattccta cagagcacac agaacccccg caagccacag cactgntggt 240

gcaatggggg ntaccgccat gccttttaga gagaaatctc cactcttgga acangtgggc 300

ctgcccctag tcagggcacc cnnctgactt tggtgagcca gcgctgtgtg tgcaagttct 360

tggtccactg ttctgtgctc tgcgcatggc tggggaacct tcatagcctg tctaggagcc 420

gccaccaact gnttcctttc ttttgtcatg aatctcancc tctacggaac agacattccc 480

ccacatattc tgtgtcatag taa 503

<210> 10608
<211> 475
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(28)
<223> n is a, c, g, or t

<400> 10608
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tccgtgtggc ctttgacggg gatgccgtcc tcttctctga cgaatctgaa catattgcca 120

aggagtatgg gctggacaaa ttctttcaac atgaaacact atttgaaaat aagcctcttg 180

ctcagggtcc cttaaaaggc tttctggaag atttaggcag actgcaaaag aagttttatg 240

ccaaagacga acggttactt tgccctatca ggacctacct ggttacagcc aggagtgcag 300

ccagttcagg cgcccgtgtg ctgaaaaccc ttcgccgctg gggtctagag atagacgaag 360

ctcttttcct tgctggagcc cccaaaggtc ccattttggt gaagataagg ccccacattt 420

tctttgatga ccacatgttc cacattgaag gggcacagaa gctcggcacc atatc 475

<210> 10609
<211> 108
<212> DNA
<213> Canis familiaris

<400> 10609
gctgaaatca tctctttgtc ctttaacacc tcaggagaca gaatcgtcac aggatctttt 60

gatcatacag ttgcagtgtg ggaagctgat accggaagga aggtgtat 108

<210> 10610
<211> 431
<212> DNA
<213> Canis familiaris

<400> 10610
ggtgtatacc ttaatcgggc attgtgctga gattagcagt gctttattca attgggattg 60

ctctctgata ttaactggct ctatggacaa aacctgcatg ctgtgggatg cctcaaatgg 120

aaaatgtgtg gcaacgctaa caggccatga tgatgaaata ctagacagct gtttcgatta 180

cactggaaaa cttattgcaa ctgcttcagc tgatggaaca gcaagagttt tcagtgcagc 240

cacaagaaag tgtcttacga aattagaagg ccatgaaggt gaaatttcaa agatttcttt 300

caacccccaa gggaatcgtc ttctgactgg cagtgctgac gaaacagcta gaatctggga 360

tgctcagact ggtcagtgcc tccaggttct tgaggggcac acggatgaga tcttttcatg 420

tgctttcaac t 431

<210> 10611
<211> 476
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(341)
<223> n is a, c, g, or t

<400> 10611
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gaaaaagagt ggatctcagc tttgattcat gctgaactgg ctgaaataaa cttgttggct 120

aacgaaagaa gcatctcagc agaactagca gcagagnata ataagccacc caaagttaaa 180

tctcccccca tattcacctg caaaaaagtg ctgaccaaat cgagggaagg acatcagcca 240

accagagtgt caagtcaagg atctgaagga aataaggaag taccaaaaga ggctgagaac 300

aggcctccat tgtttatcag aagaaataag atgaaaatac ncgttgcaga ctatttcagc 360

aaaccaaagt ctcctctcag gcctaaaact caggaaagca tatcaacaaa accaatgtca 420

gcaaggagta tgcaacaagg atacaatccc tctccccaga gagcatttta tcctta 476

<210> 10612
<211> 582
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<400> 10612
aattctgtga ttcggactca aggacagaag aaagttgcta gcatgatgga aagtaaagat 60

gtccacaaag gaatatttca gattgagtgg gaacataaga aaatggagat ggaaatggaa 120

gatctaaatc agaaggcttg ggatattcag atgctatttt tttcaagaga tcgtcaaaag 180

tacctaaatg aaccaaacta tgagactctg attgccattc agattggaat aatggagcaa 240

accattgctg ttttagagaa gacccacaaa aagaatgtgg aaaactgcaa aaaactacta 300

aaaaaactgg gaaggtacag caatcaaaaa gatatagcaa attatactct aagctgcaat 360

ttacgagaag agctggttgc ngtctccgaa aggaaagaga tctgtaatgc agtggggtct 420

aaactgactt gtgaaaagat tgccaaagaa cgatatgaaa acatgatgga acaacaaaag 480

ttaacaaata ttgcaaaaca acaagctgaa caaattttaa tactgcagac tgaacttgaa 540

cgattaagga tgaaaacatt tcctgcactt gttcaaatgt aa 582

<210> 10613
<211> 583
<212> DNA
<213> Canis familiaris

<400> 10613
tctggccacg accacattgt ggtgaccggc cctgcggggc ccgaggagct ctgggagctg 60

gtgtgggagc acggggccca tgtgctggtc tccttgtgcc cgcccgacac ctgggagcag 120

tcctggccca cggagacgca gcccattgtc acagagacag tgacggtgca gtgggtggcg 180

gagagcgtca cggcgggctg gccctgcacc ctcctgaggg tcacgcacgg ggagagcaag 240

aaggagaggc gggtgcagag actgctgttc ccgtgctggg agccggggcg tgagctcccc 300

gccaccacca tgctaccctt cctggctgcc gtgggccagt gctgctctcg ggacaggacg 360

aagccgggga ccctgctcag ccactgcagc agaggtgtgg cccagctggg cactttcctg 420

gccctggacc agctgctgca gcaggcgggc gtggagtgca ccgtggacgt tttcagtgtg 480

gccttgcagc agtcacaggc ctgtggcctc atgaccccaa cgctggagca gtacatggac 540

ctctatcact gtctgaacag cgcactcctg gatgggctgc ctt 583

<210> 10614
<211> 248
<212> DNA
<213> Canis familiaris

<400> 10614
agcaaatgtc agttgatcta cgaatctgtc atcgcttgcg aatacctgga tgatgcttat 60

cctggaagaa agctgtatcc atatgatcct tatgagcggg ctcgccaaaa gatgttattg 120

gagttattct ataaggtccc acatttgacc aaggagtgtc tggtagcatt gagatgcggg 180

agagaatgca ctgatctgaa gctagccctg cgtcaggaat tctgcaacct tgaagagatt 240

cttggcta 248

<210> 10615
<211> 516
<212> DNA
<213> Canis familiaris

<400> 10615
ggtgcccagc agaactatgc caggaaatac accatcccca ttgatctcct tgggtttgac 60

tatgaagtga tggaagacaa agagtataag tatgctccag aagatgaatt tgatcaatat 120

gcatgtttaa accgttgtat taacctgctt cttttgtatt taggggtttt cattcatgga 180

ttatttctgg atggagcttc ctggaataga aagatcaaga aacttgcaga atcacatccc 240

aaaattcttt atgatacgat gcctgtgatg tggctaaagc cctgtaagag ggcagacata 300

ccagaacgac caagctatgt tgctccactg tataagacaa gtgagcggag aggaacatta 360

tccaccactg gccattctac aaattttgtt attgccatga ctcttccctc tgatcaaccc 420

atggagcact ggattggacg gggtgtagca ttattatgtc aacttaattc gtaattagaa 480

gataccattt ccctgttacc gttttcttgt tagatg 516

<210> 10616
<211> 541
<212> DNA
<213> Canis familiaris

<400> 10616
gaggcgtaaa cagcttatcc gagaaaagag agagatggca aaaactataa gcaaaatgga 60

agaaacggtc cgccaactaa tgatcagcaa gtttggccgt gtgatcgacc tagaagccct 120

tcagacactt tccgtgaata ctacacttga agagctaaag atcagaaaga ttcgaaagga 180

gctactgaat gcaaaggaaa tgaagatgtg ggaggaaaag attgctcaag tgcgatggga 240

gttgatgatg aagacaaagg aacacaccaa aaagcttcat cagatgaatg atttatgcat 300

tgaaaagaag aaacttgatt ctcgactgaa tacattacag aaccagcagg gcaatgcctt 360

ccagggccct cggaaagcag atattgtggc aaaagagaag gtcgctgaac tgatccaact 420

ccaggcagaa aggattttgg ccttaaagga agagattgct ctcttgcgta agaaaggtgg 480

tcttatcctc ccgcccattc agcctccaca agagaaggag atgaacccca tgggtcttta 540

a 541

<210> 10617
<211> 88
<212> DNA
<213> Canis familiaris

<400> 10617
gaagaggtag actgaagcat cagaagagct atcatctgga atactctaac tgggatcctg 60

tctacattgg tctcagcata gactgtgg 88

<210> 10618
<211> 532

<212> DNA
<213> Canis familiaris

<400> 10618
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accagctttg ccaagggaca gctactcaag cttcgggcct tcctcacaga cacactgctc 120

gaccagctgc ccaacctggc agacctgcag ggtttcctgg cccacctggc cctgacggaa 180

acccagcccc caaagaagga cttggtgttg gaacagatcc cagaaatctg ggagcggcta 240

gaaagagaga acagaggcaa gtggcaggct attgccaagc accagctgag gcacatattc 300

agcccttcag agcaggacct gcgactacag gcacgaagat gggctgagac ctacagcctg 360

gacgtcctag aggcagtaac cccagagcgg ccccgctgtg cctactgcag tgcagatgcc 420

tccaaacggt gctcacggtg ccagaatgaa tggtattgct gcagggagtg ccaagtcaag 480

cattggaaga agcatggaaa ggcttgtgtc ctggcagccc aaggtaacag ag 532

<210> 10619
<211> 125
<212> DNA
<213> Canis familiaris

<400> 10619
cgagggcagc agcacgtcgg tggaggacct gtcagggagc aagcctgagc cagatgccgt 60

ttccgtggcc tccgaggcct ttgaagatga taactgcagc aacttcgtgt ctgaagatga 120

ctcgg 125

<210> 10620
<211> 125
<212> DNA
<213> Canis familiaris

<400> 10620
gaagctgtga gcttcgctat cacctccgcc agagttttgt ctacactgct ggcggcagct 60

ggccctgagg gcagtctaaa cttccagacc ctgactttta actcaggaat aaaagtcttt 120

ctgca 125

<210> 10621
<211> 62
<212> DNA
<213> Canis familiaris

<400> 10621
actgctggct actgacaaag gcgtgccctc tgaatgggac ttataaactt cagccctggg 60

ga 62

<210> 10622
<211> 490
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (434)..(434)
<223> n is a, c, g, or t

<400> 10622
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ctccccaagt caggctcggc ctaggacaca gtcattggag aggaggcatc agggtctgaa 120

ttcatattca cccaagggca ataacactta ggaaatgaac tgggaataag gagtaagatt 180

cccttggcaa atcctccttc ccttcccaat ggcttcactt ggtcagaaga cctagactag 240

ttacatacta gcaatccttg ttttgggact cctctacctg ctgggttcag cactgggatc 300

ttactcccag atcacaacgc taaatactaa gaattatctc tgaattccct acctaggctt 360

accttatttc accttcagca gatattctag tgaaagattt tcttctttgc actccccata 420

cttctgagga tacngtccaa ccatctctaa cttactcctc tcatctctgt ttccctttct 480

ccaaagagat 490

<210> 10623
<211> 419
<212> DNA
<213> Canis familiaris

<400> 10623
aagccactgg gtgaacagcc ttcaggcatt ccaccttcaa gcacattttc aggcccaata 60

ttaaattgtc acacatgctc atatatgaat gatcaaggaa aatgtcttcg tggagaggga 120

gtctgctcca ctcagaattc ccagcagtgc atgttaaaga agatctttga aggtggaaaa 180

ctccaattca tggttcaggg atgtgaaaac atgtgcccat ctatgaatct cttctcccat 240

ggaaccagga tgcaaattat atgttgtcgg aaccaatctt tctgcaacaa gatctagaag 300

cctgtgccct tgcttcctac cctgactcag gcagcaaaaa tcctccatca cccaatatgg 360

cccaatttat gttttgtttc ttccccagtc aacaactaat tacatctgcc tctgagtgt 419

<210> 10624
<211> 163
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<400> 10624
cctgtaactg cctgaaggtg ctgggaactc caagcagagg aaggactcct gccattagca 60

tggacnacat gcctccttgc ctccccctgc cttctctcgc cataacccta ctcaagagaa 120

ttgtgagctt ctcggagaat ctagaatgta tcccattacc ccg 163

<210> 10625
<211> 218
<212> DNA
<213> Canis familiaris

<400> 10625
gtggctgtcg tacgctctaa tctttggcca ggggcgtatg cctacgccag tggcaagaag 60

tttgagaaca tctacattgg ctggggtcac aagtacagtc ccgacaactt caacccaccc 120

ctgccagccc ccattcagca ggagtacccc aggggcccag aggtcatgga gatgagtgac 180

cccactgtgg aggaggagca ggccctcaag gcagccca 218

<210> 10626
<211> 184
<212> DNA
<213> Canis familiaris

<400> 10626
gacagttaga acttgtttcc tcctccaagt cagccaacaa gaggtgctca gagactgtgc 60

ccagcagaac aataggggag ccaagtggcc tagatctact gtggactacc tgtttgcctg 120

tgtgtctgcc cagctcttta cctcgttctc atcagtgacg tctaccattg gcttggcaat 180

caga 184

<210> 10627
<211> 96
<212> DNA
<213> Canis familiaris

<400> 10627
cctccccaa gcaggtagat agcagctttt cccttacaca ttgttagcaa tgcgttggtt 60

ttttcacggt tgttttgatt tctgcccgtg gagggc 96

<210> 10628
<211> 563
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (473)..(473)
<223> n is a, c, g, or t

<400> 10628
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aggatgaagc aaatagaaac ggaattgagg cagatggagc taattaagga tcaatatcag 120

aaaaaaaatt atgaacagtc cttgagtatc cagaagttcg tgtctgaaat gactaaccta 180

cagaaggaga tgcagctgct ggccaagagc caatatgaga cgtctgcgca gaacaaacag 240

caagagctgc gactcgaggc agagcgcaat gttcggcagg aactggagag ccggtgccgg 300

gaattggaag aaactatcag acacctaaag aaatgtaaag aggcaacaga gcataagctg 360

aaagaagcca gtgtggaatc agaacagata acagctaacc tggaagaagc tcatcgctgg 420

tttaagtgca ggtttgatgg cctccaactt gagctgacaa aaaaccggtt gcngaggctt 480

ccccgagaag acaggtggct ggaagaggac caaggtaaca ggcacgatat tgcgtccagc 540

cagtctgttc tacatcgatg gga 563

<210> 10629
<211> 206
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<400> 10629
atgatgtggc cgcaataaac ccagaacttt tacaacttct tcccttacac ccaaaggaca 60

atctgtccct gcaggagaat gtaacggtcc agaaacaaaa acgcagatca gtccactcca 120

aaattcctgc tccaaaggaa ggtctccgca gccgntccac tcgaatgtcc actgtctcag 180

aggttcgcat taccactcag gagaat 206

<210> 10630
<211> 580
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (414)..(414)
<223> n is a, c, g, or t

<400> 10630
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ggagaaaaga gaggctcggg gagcaaaagc accgagttct acaacgagtt atggttcatc 120

gtgttaatgg ccgtgctagg cctgatcttg ttggccattt ttctgtctct gctactccaa 180

aggaaaatcc acaaggaacc gtatatcaga gagaggcctc ccttggtgcc tattcagaag 240

agaatgtctc cgctgaatgt ctatccgccg ggggaaaccc atgtgggatt agccgatacc 300

aaaatccccc actctgggac acccgtcagt attaggagca accggagcat atccgtactt 360

cggatcccaa gtcagagcca aataagccaa acctattccc aaggctctct ccantgcagt 420

gtcagccaac tcatggacct tcaagacaag aaagtcttgg ttgatgactc gctgtgggaa 480

accatcatgg gccacgatag tggactgtac gtggatgaag aggacctgat gaatgccatc 540

aagggtttca gctctgtgac taaggagcac accacgttca 580

<210> 10631
<211> 323
<212> DNA
<213> Canis familiaris

<400> 10631
agcggcatga ggtggccaag tttattgggt ccccaccagg ctatattggc catgaagagg 60

gtggccagct gaccaagaag ctgaagcagt gccccaacgc tgtggtgctc tttgacgagg 120

tggacaaggc ccatccagat gtgctcacca tcatgctgca gctgtttgat gagggccggc 180

tgacagatgg aaaagggaag accattgact gcaaggatgc catcttcatc atgacctcca 240

atgtggccag cgacgagatt gcacagcatg cactacagct gaggcaggaa gctttggaga 300

tgagccataa ccgtattgcc gaa 323

<210> 10632
<211> 418

<212> DNA
<213> Canis familiaris

<400> 10632
tgcgggaaca gctcttagaa acagagagga gactgaatga ggctcggagg gagcatggca 60

aggcagtggt ctccctgcgc cagatgcagc gcaaagccac ctgggagaag gagcggaacc 120

aggagctcag gcgcctgcaa gatgaggccc ggaaggagga ggggctgcgg ctgacccagc 180

gcctgcagga gctagagagg gacaagaacg ttatgctggc caccttgcag caggagggtc 240

tcctctcccg ttacaagcag cagcgactat tggcagttct tccttccctc ctggataagg 300

gaaagtctgt ggagtccagc cccagggacc cagggtcttc agcagctgtg cctctggcag 360

cacccaccac cagggagtcc ataaaaggat ccctctctgt cctgctcagt gatctgca 418

<210> 10633
<211> 513
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<400> 10633
tctacatcac gaaatccaac ggtttaaggc cattaaggca tgtcttgatc gaaatccaga 60

agctttccag ccaaaaattg ggaaagggaa gttgggagat gtgaagcctc ggcataacaa 120

aggctgtaac tgcaggcgct caggctgtct caaaaattac tgcgagtgct acgaggccaa 180

aattatgtgt tcttctattt gcaaatgcat tggttgcaaa aattatgaag aaagcccaga 240

acagaaaaca ctaatgaaca tgcccaacta tatggaaatt ggagggtttg aaggcaacca 300

tcatttgtca ccaactaaat tctcaggact accaaaattc agaaaagata ggcagtcttc 360

ctcgtgcatc tcctgggagg tggtggaggc cacgtgcgcc tntctgctgg ctcagggtga 420

agaggccgag aaggagcact gctccgagtg cttggcggag cagatgatct tggaggagtt 480

cgggaggtgc ttatcacaga ttctccggat tga 513

<210> 10634
<211> 421
<212> DNA
<213> Canis familiaris

<220>

<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<400> 10634
ggtgaatgca cctggctcta cctaagctgc aggacagacc ttcagtctgc tatggcacaa 60

ctccactgcc agcctgcccc agggcctggg ggagtggggt catctcccaa tgcccaggag 120

agagtcagaa gggattcagg aatctgccct tcaatcatct caggttgtgg gggtttttaa 180

ccgacatttt ctatttttac cactcatccc tggtaaaccc tgtggactac ttccctgtct 240

gtngtggtgt gggtgtttaa gatgggagag atgagagccc tctcaggcca ctctgctcag 300

tgcgacagag tgacaaggat ggaccatgga tgcgctatct gcctgaatct gattcttcag 360

gggtgcagac tgaggggtgc tgagcatgag ctgggaaaag gtttgtggac ccttgcagcc 420

t 421

<210> 10635
<211> 98
<212> DNA
<213> Canis familiaris

<400> 10635
tttagccatc ttgatcacag ctccaaatgg agctctaatt attggcatac tggggcccaa 60

aatacttaca cgccatgatc caagcaaaat caatgtgg 98

<210> 10636
<211> 427
<212> DNA
<213> Canis familiaris

<400> 10636
aaaacgtcca ctgaagagag catttcttat ttcgagtttg agtgtttctg ctgtcttggg 60

cggccatcgt attggtttac atgcagctgg aggattatgc acactagtgt tgagctttgt 120

tgcagggtta aattggtcca cagaaaaggt tagagtccaa agaattatta aaactacatg 180

gcatgttttt caacccccttc tttttggttt ggttggatca gaagtatctg ttgcatctct 240

taaatcaaat gctattggca tttgtgttgc taccatgagt ttggcattat tgattcgaat 300

ttcttttaca tttgtattga tgtgttttgc tggctttagt ttcaaggaga aaatatttat 360

tgcattatca tggatgccta aagctacagt ccaggctgta ttaggtcctc tggctctaga 420

aacagca 427

<210> 10637

<211> 416
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<400> 10637
gaagtggtct ttgatttcct cgggcccgct ccaggacagg aggccccatc tatttcagcc 60

ttcngctncc gcctctgctt ggtcccagct gggggcagca caaacactga gccccaagca 120

catccaggtg gtttgtgtgg gcagctggga ccaggtgctg acagcaggtt ctacagcgtc 180

cttccctgct gctctatctc ttgtgagggc tgcctggcca ctgcctctcg ccccttctcc 240

aaggggctgc accaagcatt ctgactgctg gggctgcctc ctctcctctc cataaagttt 300

aagccactat aggcatcttt tctggttaaa aaaaatctat taaagtttga ctatttgata 360

tttttatagt gattgccaac tttaaaaagt aggctgtttg taagcactga tgcagt 416

<210> 10638
<211> 549
<212> DNA
<213> Canis familiaris

<400> 10638
cttctttcct tgatgcaggc acatctcatc gtgctaagca aaaacccctc tcaagaggag 60

gcagcagtct ccgcacattt tgtcgcccac gcttccatcg cttctgggag acccgagcac 120

catgatgtgg ccgagcagta ttttcaagag agcatggcga atcttaagga tgctgaagga 180

atgggaaaag ccaaatttct ttcaattcaa gatgattatt gccattttct acaagtcata 240

ggacaaaaag agaaagcaac ctcaatcctg agagagtccc tggaagccaa agtggcagta 300

tttggtgacc tcagtcccaa ggtggcagag acgtaccggc tgttgggtgg gaccgacctg 360

gctcagggga accacagtgg ggctcacaag aaactgaaga agtgtcttca gattcagact 420

ctcttatacg gaccacagga caagaggact ctggccaccc agcagaccat ggacgtcctg 480

gccaaggccc cggaggtggc cgtgaaaccc aggcagaccc ccagagccaa agcggcgttc 540

tgcggctgc 549

<210> 10639
<211> 192
<212> DNA
<213> Canis familiaris

<400> 10639
tgatgcgctc agtctggtcc agggcggccc tggacactgg gaggaccctg gggggccatt 60

gaggttcctg cccccaactc cccttgaact aagcagtgtg agcaccatcg tgcacagact 120

gcagactgcc ttccaagaag ccatggacct ttacaacctg gtggtctcca acgaccagat 180

gagcactgat ca 192

<210> 10640
<211> 558
<212> DNA
<213> Canis familiaris

<400> 10640
ctgtgaaatt ttaggagtcc gtgcctataa agcttgtacc gaggcaaatg caatgtgtgg 60

caggctgcag tgtataaatg tcaacaccat ccctgatctg ccagagcata cgatcgtcat 120

ctctactcat ctgcaagcgg aaaatctcat gtgctggggg gtaggctacc acaaagccat 180

gatacctatg ggaatacctg acataggtgt aataaatgat ggtacccgct gtggttataa 240

cggactatgt attaacagaa cttgtgtgaa tgattcagtc ttggatttta actgttttcc 300

tcaaaagtgc aaccaccgag gcgtttgcaa caataaaaaa aactgccact gcatgtatgg 360

ctgggcccct ccattctgtg aggaggtagg gtatggagga agcattgaca gtgggcctgc 420

gaggaagcag aaagaggagg tgcctacgcc agtacaggtc gtgtccatta tgttagtacg 480

ccttatttta ttagtcatct cagtgattgt tgtgtttttc aagagaatga taagacagta 540

tatgcaatcc aaacagga 558

<210> 10641
<211> 478
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (102)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (106)..(106)

<223> n is a, c, g, or t

<400> 10641
gaagattttc agcttatgct gcagagactg tgaggagccc cactccatgg atgactccaa 60

ggtccccagt caaagccaag agcctcagcc atcgacctgc annntncaga aggaagagct 120

ggccagcaag aatcccaagc gtgctaacga agcctcccgc ttgcctttgg gacaacccct 180

gatgggtcca gaaaagagag cctcctccac cagcaataat gagcatgagg aagggaatac 240

acatgtttcc ccgagagatt tttacaagag aaacccaacc cgctactccc aggatcgctg 300

gccattccag ccgtgccaca ccgggagacc ctgagcgttc tagtccgctg ctaccaggca 360

ggcctccggg gctgcacgct gccagcaagg ctccgggagg aaggggggcag cgagcagggg 420

ccatgaagac agattcggaa actccccccg aggaggagaa gacgtctgag ccacctct 478

<210> 10642
<211> 306
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<400> 10642
tccaagctca ggcaagacat attttgtcat ctgtgcaaga atttacaaca actcaggata 60

gttcaacact tgtgagtgaa gaaattagct accttactct ggaaancaaa tctctacaga 120

agcaccttgc tgagcagcag cagcagtacc gtgtaaagat taatgaggtg gcatcagaac 180

taagcaacac acagaaggag atggatgact tgaggcaaca tttagacaaa tctttggaag 240

agaatagtag cttaaaggct cttttgttca gcatgaaaaa agaagcaaaa aatgcagaca 300

ctgcgg 306

<210> 10643
<211> 441
<212> DNA
<213> Canis familiaris

<400> 10643
taaagattaa tgaggtggca tcagaactaa gcaacacaca gaaggagatg gatgacttga 60

ggcaacattt agacaaatct ttggaagaga atagtagctt aaaggctctt ttgttcagca 120

tgaaaaaaga agcaaaaaat gcagacactg cggctacatt aaatgtgcag atcactggac 180

ttcaaacaag tgtgaagagg ctctctgatg agattgtgga attaaagcag catctgacac 240

actatgacaa gatccaggag ctcacccaga tgcttcagga gagccacagc tccctggtca 300

gcaccaatga gcatctcctg caggagctga gccaggtgcg ggcacagcac caggccgagg 360

tggagcagct gcattggagc tacaaggagc tcaagaagac tctagccctc ttcccacatg 420

gtagcgccag ccttggaggc t 441

<210> 10644
<211> 260
<212> DNA
<213> Canis familiaris

<400> 10644
gagcatggac ggacatcaag cctgtgaaac cgataaaagc caggccccag tacaagcccc 60

cagatgataa gatggctcat gagaccagct acagtgccca gttcaaaggg gaagccaata 120

agccgacacc agccgacaat aaggtcatcg atcgcagaag aatacgcagc ctctacagcg 180

aacctttcaa ggaaccccca aaggtggaaa aacctagcgt tcagagttcc aaaccaaaaa 240

agacctcagc gacccataag 260

<210> 10645
<211> 99
<212> DNA
<213> Canis familiaris

<400> 10645
gataatccta tgatcgttag tccattagag tcgaagagtg acacacacta attaagagac 60

aggcatgtgc aagtgtttat ccctcagttc agactagac 99

<210> 10646
<211> 200
<212> DNA
<213> Canis familiaris

<400> 10646
aaattgaaac tctagggcac tcccgctgcc tcttctctag cggcagacag gggaggccct 60

ggtcgaggtg tcccaagccg ccatgtttag gaaacacagt gtaccctgct cccagcatca 120

ccaggcactt gcccacaagt ctgtcccaac acagccctgg gccacctccc ccctggggag 180

cgtataaaga agcttgctaa 200

<210> 10647
<211> 240
<212> DNA

<213> Canis familiaris

<400> 10647
atgactctaa tgtggcttct acaagtgaac tagaagacca ttagatgact tgggatgtca 60

cttgggagct ttgagaggct ccacaaatct gggatcccag aacaataaac agcaatgatc 120

ttttgcacta tcaagcagac ctctgattgt acctaacaag atcatttctc tggatcttta 180

attactctga ggcatgtgtc ctatctccat cattaattgg ctatacacct tcatacaagc 240

<210> 10648
<211> 399
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (221)..(222)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<400> 10648
ggaacagcct gggtaccatc tgcctgtgga gctggagcca gacctggatg ggccgaggca 60

agcagtccac tctggcagtg gtggtcttgg ctcggctgca gtggtccccc nccaagctgg 120

nctacttctc nctgagcncc tgtcccgatn aggggatagt gctgtgtgga gatgaagagg 180

gcaacgtgtg ggtttncgac gtcaggcaca tcctgnccna nncgnctcca cggncnagca 240

gctccgcagg cccccacaca gattcttnaa gtggccccaa ccctgggcgc tcggccagat 300

ggtgaccaag accatggtga acacggtggt ggccaacccc acctttacct acctcaccgc 360

cctgacggac tccaatatcg tggccatctg gaagagaca 399

<210> 10649
<211> 156
<212> DNA
<213> Canis familiaris

<400> 10649
cacatgcgat ctaaaagaat ctataataac ttgccggaag ttaaaaagaa aaaagaggaa 60

caaaagaaga gagtgatctt acagagtaac cgactccgcg ctgaggtctt caaaaagcaa 120

ttactggacc agctccttca aaggaacgcg gtctaa 156

<210> 10650
<211> 503

<212> DNA
<213> Canis familiaris

<400> 10650
agttctcctg tgatggtagc tcagccagtt tatcagcaac ctgcatatca ctaccaggcc 60

cctgcacagt atctaccagg acagtggcag tggggtgttc ctcagtctcc tgcctctact 120

gctccattct tatacctgca accttctgag gttatctatc aaccagtgga aattgcacaa 180

gatggtggat gtgtccctcc tccactgtct ctgatggaag cttcagttcc agagccttat 240

tctgatcatg gagttcaagc aacatatcac caagtttatg ctccaagtgc catcgctatg 300

cctgcacctg tgatgcagcc tgaaccaatt aaaacagtgt ggagcattca ttattaagac 360

aattgggcag ctctagtcca actcaactga tttcttgtcc aatgatcctt gtgtggccga 420

gatccagctt ccaacgaacc ggctagaagc tgcccgttgt gacacttagg gttagttaat 480

acctcgccat acttatttat tcc 503

<210> 10651
<211> 69
<212> DNA
<213> Canis familiaris

<400> 10651
aggaacgcgg tctaaccaca ggctgccctg ctgacccgct acctggccct gggatgactt 60

caaacgctg 69

<210> 10652
<211> 293
<212> DNA
<213> Canis familiaris

<400> 10652
tcatctgatc tctacacagc ttctctaaga tggacgtgtc agagcgcttg ctgttgcttc 60

tccgtgtaac cacgtcaaca acgtccattc tttcatcctg tgatcgtgtg ctgagcccct 120

gtggtgtgct ggcccaggcc ccacggactt tgaacccagg tcgccctccc tccccctggg 180

gcgtccttct gatgcccacg atctcctctc tgggtcagcc cggaacgtga tgaccacagg 240

ctgaaccatg tcagggtgca cagcgatatc gcgctccaca acgctaaagt gtg 293

<210> 10653
<211> 527
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<400> 10653
gggacagcag gtgttccgct cttcctacgc ccccctgctg agctacatnc ccttcgtcca 60

gnccggctac ccgcaccctc agaggacacc tccaaagctg tncagccatc cccgcgaccc 120

ttncccgatg gcgggagacg ggccncagta cgtggtcccc caggcgtacg ggttcggctc 180

gacggctggc gggcccctgg tgaacagccc ctatttttcc tctggtggga atggcataaa 240

cttttagacg atcttctctc ctccctcctc ttaccttagc cctcagatcg gggctgaggg 300

ctctggaact ccgggttctg taatcgcgtg gccgggggtt tggaaaacca aagttccgac 360

caggtcacag acagaaaacg gcaagaccag gctcatctct tgaccaccnt gtgtcacaca 420

ccccgcaccc cacacacacg cctccctcgc acccngtacc cccgcccccc acttgaccac 480

atatgcacct gtatttagct gacatgagtg atttttgttt ctgttgt 527

<210> 10654
<211> 123

<212> DNA
<213> Canis familiaris

<400> 10654
cctagtaata gaggagacat ttctaaaatt gtacccagaa ctgtctacac caagagcaaa 60

gattcgactg ccaatcacac tttgacttgc gccaaaatac tacctaccag ctgtttgtca 120

aag 123

<210> 10655
<211> 578
<212> DNA
<213> Canis familiaris

<400> 10655
atgaggcagc ataccaaagt ttccaagctc agctgctgcc ctgcgaatcc tgtggccgca 60

cattcttgcc agatagcctt cttattcacc agagaagctg caagctaaag ggtgataggc 120

ccagagcacc aaaccccacc agttctgatg atcctgctgg tcccaagaaa gcttctagtg 180

gcatcccagc tcgaccaaag actctcatct gctacatttg tggtagggaa tttggcactc 240

tgtcccttcc cattcatgag cccaaatgcc tggaaaagtg gaaaatagaa aatgaccggc 300

tccccaggga gcatcgccga ccactcccac agaagcccca gccactttca actggactgt 360

ccaaccaaga agggtcaact caagcacagc tggtgccctg tccaaattgc tgccggacct 420

ttgccccaga ccgccttcca gtacaccaga gaagctgtaa agctcaacct agtgggcaaa 480

aaattcagaa tttgacttta gggagtaaag gtggcctaaa agagtccact aattccaagc 540

aaccaaggaa catggcagca cccactgtga ctgataag 578

<210> 10656
<211> 476
<212> DNA
<213> Canis familiaris

<400> 10656
aggacacaca actgactctc ggcaaactaa atggtcttgt gcaaaagctt gagaaatttc 60

tagaacatca gaaaaccaac gaggatgatg actctgcatt ccctgaatct ggtcaggagg 120

aagatttcca gttgttcagc agcatccctc caggcatagc tcaggtcagt catcaagaac 180

atgatacttg tcaagacctg cctcacgcct gccaacatga aggtatcatc cagtttccgc 240

agattccccc aagacttcag gaatatgaac tttctgagat gataagccag acaactggca 300

gccaaaggac gatcactata gagactgcct cagtctcatt gggtcagcag gaggaggagg 360

acactccttc cagcacacag gccctctcct gtgtgaattt tagaagtgtc ttccgctggc 420

taaggcagca agtcctctct tcacttctca ggagacaaca ccctgaggag tccact 476

<210> 10657
<211> 191
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<400> 10657
ggaacgagcg aagagcttcc acaattgccg gacnccgtgg tagagtttct tgcatgggga 60

gttctgcagc atccaaaggc accagaagat aaaaactggt atccgagcgc cgcggcctgc 120

agcacattct cagcacaagg aacaataacg ccctcagtct catccgcgga acaaaactgc 180

atcgcgctct t 191

<210> 10658
<211> 485
<212> DNA
<213> Canis familiaris

<400> 10658
gaggacacca agatctgagt ctgtagaagg cttcctgtct ccaagtcgtt gcggcagtcg 60

aaatggggag aaggactggg aaaatgcatc gacaacctct tcagtagctt ctggaacaga 120

atacacagga ccaaagctct acaaagaacc cagtgcaaaa tccaataagc acataataca 180

gaatgcttta gctcattgct gtttggctgg aaaagtaaat gaaggtcaga agaaaaaaat 240

actggaggaa atggagaagt cagatgccaa caacttttta atcttgttcc gggattcagg 300

ctgccaattc aggtctttgt atacttattg cccagaaact gaagaaatta acaaactgac 360

ggggataggc cctaaatcta tcactaaaaa aatgattgag ggactttaca aatataattc 420

tgaccggaaa cagtttagcc acatacctgc taaaacttta tctgccagtg ttgatgcgat 480

tacca 485

<210> 10659
<211> 132
<212> DNA
<213> Canis familiaris

<400> 10659
caagtccaga tgcaggtcac agatcatttg gaatacttta ttgatgttga aattgcccgc 60

agcaattgca gaaagttttc aaacagtagt gaaaactgtg tcattcaaga gagctctaaa 120

ctggaaaaga aa 132

<210> 10660
<211> 367
<212> DNA
<213> Canis familiaris

<400> 10660
cccttcgcca cggatttgat tgataatgag actacgccag cgaacccatc tggaaaaatg 60

aggccaagca aagagaggtc ctcgcacgca agcaaagacg tgagtgcctt ccgagaggag 120

catctagaag aaaccgtaac acagcacatt cagaaactgc acgaacacag aaaaaagttc 180

caggggctgg atccactcga ggaagtcaga caggctacgc aggatttaga gattgccaga 240

aaactccagg agcaagtgag gaagctgagg ctggggccca cctggactag gagccagcag 300

ttcacagctc ccgccggacg cccgccaccg cacccacctg cgccgcggcc ttgggacata 360

ttgttta 367

<210> 10661
<211> 372
<212> DNA
<213> Canis familiaris

<400> 10661
cttgcttctg ttcaccattt tcggggccct ggtggccagc acagacctaa acaagaataa 60

agcaaaggtg ttgagggaat taaaagtaat caatgcctca aatgccaacg tgaagcagtg 120

cctgtggttt gccatgcaag aatacaacaa agagagtgag gataagtacc tcttccaagt 180

ggtcaagaca atacaagtcc agatgcaggt cacagatcat ttggaatact ttattgatgt 240

tgaaattgcc cgcagcaatt gcagaaagtt ttcaaacagt agtgaaaact gtgtcattca 300

agagagctct aaactggaaa agaaagtaat atgcagtttt ttggtcggag cactcccctg 360

gaatggtgaa tt 372

<210> 10662
<211> 550
<212> DNA
<213> Canis familiaris

<400> 10662
gcagaaagcc tatgcagtgt ttggaaagtg agcagaaatt ggcgtgaaat tattgttcaa 60

gataaaaaag caaatcggag gaggaaattt tatatctcac aactgaaaac agattctgag 120

ggggctatat taaatgttga ggatgctgcc actcggctcc atcttataaa tcgatcagct 180

ttaaaatctg tacaagctca ggctaggata ccaggttttc agaaaggaga agtttcaaca 240

ttttctcctt ggggagaagt tttgacacct atagcaagct cttctgttac tcacttaact 300

agtaaacagg aagaatatgt taaggttgcc aaaacactat ttattgatga agcattaaaa 360

ccttgcccca ggtgccaatg ccctgctaag taccagccat ttaagaaaag gggactgtgt 420

agccgcacag cctgtggttt tgacttttgt gtgttatgtt tatgtgctta tcatgggtct 480

gaagaatgta atagaggagc agcaaagcca agaaatagaa aagatgctct tccaggaagt 540

gcccagagta 550

<210> 10663
<211> 316
<212> DNA
<213> Canis familiaris

<400> 10663
gcagcgactt ttaactgtgt gcagtgaggc ccttgcctat ttcatcacag taaattctga 60

gagccatcgg gaggcctgga caagtcttct gttgctgctt ctaacaaaaa ccctcaaaat 120

aaatgatgaa aagtttaaag cacacgcttc tatgtactac ccctacttgt gtgaaattat 180

gcagtttgac ctgattcctg agctccgagc agttctgcgc aagttcttcc tacggatagg 240

tgttgtatat aaaatatgga ttccagaaga gccatcacag gtaccaggga cgctgtcacc 300

agtgtggtag ccctga 316

<210> 10664
<211> 412
<212> DNA
<213> Canis familiaris

<400> 10664
gaggagctct tcactcactg catggcctct gagaatgggg acacaactaa tgggccacca 60

gaatgcgatg aagaactacc gattaccaag cctaacaatg cctatgaatt tggtcagatt 120

ataaatgcta ttagtatgag gaatgataaa gaagcctgtg cacacctttt agccatcact 180

gaaccaaaag atttgccagt gttgttgagt aacaaacttg aaggggatac gttcttcctc 240

ctcattcagt ctctgaaaaa taatcttatt ggaaaagatc cctcactggt gtatcagcat 300

cttttatatc tgagtaaagc agaaaggttc atgatgatgt tgaccctaat tagcaagagc 360

caaaaggaac aaattgaaca gctctttgat gatctctcag acacaccaaa ta 412

<210> 10665
<211> 394
<212> DNA
<213> Canis familiaris

<400> 10665
gagtcgttct agttcatcag ggtccctcaa tgctcgaagt ggtacagaag atcgatctcc 60

agaaaatact ggctcatcgg tagctgtgga taactttcca gaagtggaca aggccatgtt 120

gattgagagg atagtaaggc tgcagaaagc acatgcccgg aaaaatgaaa agatagaatt 180

tatggaggat catatcaaac aattggtgga agaaattagg aaaaaaacaa aaataattca 240

gagttatatt ttacgggaag aatcaggcac actttcttca gaggcatctg attttaacaa 300

agtccattta agtagacggg gtggcattat ggcatcttta tatacatccc atccagctga 360

tagtggatta acattggacc tttctttgga gatc 394

<210> 10666
<211> 488
<212> DNA
<213> Canis familiaris

<400> 10666
tggtcttcgt ggaccctcgc aaggacagcg agcgctacgc gcaggagaac ttcaagtctt 60

tcatcttcac ggagacccag ttcacggccg tcacagccta tcagaaccac cggatcaccc 120

agctgaagat cgccagcaac ccttttgcca agggcttcag ggagaccgac tcggactcct 180

ggactgtatc ttcccgaacc ctgctcagca ttccggcccg gagtcccagc agcctcagct 240

cctgcctgct gacaggcccc gcagagcagg agaaagaccc caacaaagct ccggcctcta 300

actccaggac atctgcccgg ctgcaccatc agctgctgcc ccccccctgag gctctgctgc 360

ctccagccac ctaccagccc ctcaactacc acggcctgta ccctggagcc ccaagtcccc 420

tcagaatccc taaggcgcga ccagcaccat acccccctgcc caatatccag gccggcagag 480

atcaggac 488

<210> 10667
<211> 401
<212> DNA
<213> Canis familiaris

<400> 10667
gtaggaaccc tctgttgctg ttggctgtcc tggtcctggc agccaggcta ggtcattttc 60

aaaggtggga aggctttcag gagaagtcca cgagtgagac aaacatgaat tcaacactcc 120

aattcttcat tgaaaaatac aacaatgcta gcaatgacac ctacttattt caagtcgaca 180

agctacttca aagtcagatg cagctgacga ctggagtgga gtatatggta actgtgaaga 240

ttagccggac caaatgcaag aggaatagca caacaaaaaa ttcatgcccc attcaaagca 300

aaaacaagct gaaaaagagt ttcatttgtg actttttgat gtacactgtg ccctggatga 360

actattacca actctggaat aattcttgtc tggaggcttg a 401

<210> 10668
<211> 195
<212> DNA
<213> Canis familiaris

<400> 10668
gaaggaatac actcagaagc ttgccaaatc ttcacagatc atagcagaac ttcagacaac 60

catttcctct ctgaaagagg agaacagccg gcagcagctt gctgcagaaa ggcggctcca 120

ggatgttata cagaagtttg aagatgagaa gaagcagctg attagagata atgaccgagc 180

aatcaaggct ttaca 195

<210> 10669
<211> 503
<212> DNA
<213> Canis familiaris

<400> 10669
ggagatgtgt gctgtgccaa atacacaaat gatgatttct ggtaccgtgc cattgttctg 60

gggacatcag atgccgaagt gaaagtgctc tatgcagatt atggaaacct tgaaactctg 120

cctctttcca gagtgcagcc aatttctatc agccacctgg agcttccttt ccaaattatt 180

aaatgttcac ttgaaggact gatggaattg aatggaagct gctctcaatt agtaatggaa 240

ctactaaaaa atttcatgtt gaatcagagt gtaatgcttt ctgtaaaagg aattaccaag 300

aatgtccata cagtgtcagt tgagaaattc tctggaaatg ttactgtcaa tctagctgat 360

aagctggtga catatggtct ggcaaaaagc atcacatcta aaaaacaaag tactttaaaa 420

aagacatgca ggatgaattg ctgttgcaca gagttacaga aacaagttga aaaacatgaa 480

cagattcttc tcttcctctt aaa 503

<210> 10670
<211> 199
<212> DNA
<213> Canis familiaris

<400> 10670

aagagcggtg ttgatcaggc ttcagctggg gctgctgctt ctggcgctgc tcctgcccca 60

ggagagctat ttacaggctg ctaccacgct cgctgctgcc accacagccg ctcccaccgg 120

gtctgccgtc tgcgtcctcc agtcgactgt ccatgtggtc atggtttccc tcttcctcct 180

tctacgtctt cactgttga 199

<210> 10671
<211> 103
<212> DNA
<213> Canis familiaris

<400> 10671
cagcgactac agcaactcat agagatcttg aaggggaaga ccttttctag cgcaaagggg 60

tattatgaaa tggagaccac agatctccca gaactgaccg ctg 103

<210> 10672
<211> 265
<212> DNA
<213> Canis familiaris

<400> 10672
ggaggcacct tgctgaactc ccactggctg ctcactgccg ctcactgctt cgtctccaaa 60

aagaaagtgt acgactggag actgattttt ggcgcaaggg agatcgtgta tggaaatgat 120

aagcccgcga agccgcccca gcaggaaaga tacgtggaga aaatcatcat ccacgagagc 180

tacgtcccca gtctggagta caacgacatc gcgctcatga agatcacgcc gcccgttccg 240

tgcgggcagt tcattggccc cggct 265

<210> 10673
<211> 233
<212> DNA
<213> Canis familiaris

<400> 10673
tgtataacat tatctgcctt taggggagag acccaacaaa ggtaccaagg acatttaaaa 60

ttccttcttt gatttgtgcc aatgatgaac agaggatcta tttcacaagc caccgtatct 120

tttttctgtc ctaaattgca taccacttgg agccataccc tgtgcactga tgctaaagaa 180

caaagaaact gtgttttcac acatcaacag tgttgacgtt tctgtccagc agc 233

<210> 10674
<211> 505
<212> DNA
<213> Canis familiaris

<400> 10674
gacccattcg acttggaagc tcaggccaaa atagaagaag aaatccggca gcagaacatc 60

gaggaaaata tgaacatagc gatggaggag gctccagaga gtttcggaca agtggccatg 120

ctctatatca actgcaaagt gaatggacat cctctgaagg ccttcgtgga ctctggagcc 180

cagatgacta tcatgagcca agcctgtgcc gagagatgta atataatacg gctggtggac 240

cgccggtggg ctggcattgc caaaggggtg ggcacgcaga ggattattgg ccgagtccat 300

ctagctcaga ttcagattga aggtgatttc ctacagtgct ctttctccat cctggaggag 360

cagcccatgg acatgcttct ggggctggat atgctcagga gacaccagtg ttccatcgac 420

ttgaagaaga atgtgctggt gatcggcacc actggtacac agactccctt tcttcccgag 480

ggagagttac ccctgtgtgc caagc 505

<210> 10675
<211> 337
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (274)..(275)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<400> 10675
aaatttactg agatgcctag ggcgcattgc acaggactaa gtgaagaang ttacatcatt 60

gaattgacac ataccacagg gaaaattgta ggcatgttag ttacaaatac agttccacac 120

tgtaaggcat cttattctnt tggatctata gaaatctctt tcatacagca atttacacga 180

acagcatagt caatgactac agctttggac tttgataaaa attttgtact ttaaacttaa 240

tgaatagaan naagntgaga attntaaagg ttgnnngancc atagaccttt ggtcactaga 300

actttgaatt aaaatggaga agtacatgtt tcctcaa 337

<210> 10676
<211> 431
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(348)
<223> n is a, c, g, or t

<400> 10676
agtgcctgct cggtgcagaa tgcagatgcc ctcncctctg cgcagtcatg gagancatgc 60

cggtcctgca gagagaatga agctnnccaa agagancnca gatacaggnc nctncaagtt 120

aaacnaaanc cacagcggca tggagtcctt ctcattagaa agtcaaacag acatccagaa 180

agctgcaaag caaattggag agatgccagg acttcagtag aaatcacaga tgaggatttc 240

atacttcatg acttttcttt aagcaggtac aaaagcagaa agctgaagaa ctgtctgcga 300

tgagcactaa gagtcctgaa atagagtggg actcatagaa ggacaagnac aacatagacc 360

acccagagga ggatccagaa ggaatacatt ttattctcag ccacactgcc taggcttatc 420

atcagttctt t 431

<210> 10677
<211> 269
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<400> 10677
attctgtttg cttttctgtt tgtcttctgg aaaagccgct ttcagagcag cgttggtgaa 60

atgtcatcaa attcgacttc tcttgcacta gtaagaccaa cctcttctac tgggtcaact 120

aagagcaata ctgataagag tctttcagtc aacagcctct ctcgggaaat cttaattaat 180

ttcccacaca cgatagccat ncagaagcaa atattggtaa acctcaggat cgtggaatac 240

aagctggctg aattggaact ttttctagt 269

<210> 10678
<211> 505
<212> DNA
<213> Canis familiaris

<400> 10678
gaataaatcc aatgcaccca gtgagaataa tctggcgcta ctttgcagtg gttctggtga 60

tcaaacagag tggcatcttg gacaagatga cagtgccctc catggcaaac accttcctcc 120

ctctccccgg aagcgggttt cctccagcgg tttgacagat tctttgttta tcctgaaaga 180

ggaaaacaat gaaaaatacc tcagtgttga caatgtgagg gggcctgcag tcacggaaaa 240

gccagcttct acttcaggat tggatttcca gctagctcct cctgaagttt ccgaaaatga 300

aaaaggtaaa acagaaaaga aggaaacact aagccaggtt tcagatgatc tgctcacacc 360

cagccttggg cgacattcat ctacttttgt tccttgggag aaagaaggga aagaagccaa 420

agagacttca gaagatactg gactgcttca tgaagtagtg tcattatgtc acataacgtc 480

tgccttccag caagacttaa ccatt 505

<210> 10679
<211> 310
<212> DNA
<213> Canis familiaris

<400> 10679
aaatgaattg cagattgaac aggaaaatga aaaacagctg aaggatcaac ttcaagaaat 60

aagacagaaa ataacagaat gtgagagtaa attaaaggac tatttggctc agatccagac 120

tatggaaagc ggtcttgaag cagaaaaatt gcaacgggaa gttcaggagg cacaagtcaa 180

tgaagaagag gttaaaggaa agattggtaa ggtcaaagga gaaattgaca ttcaaggcca 240

acagagtctg aggctggaga atggcattaa agctgtagaa agatctcttg gacaagccac 300

caaacgatta 310

<210> 10680
<211> 463
<212> DNA
<213> Canis familiaris

<400> 10680
ggactatttg gctcagatcc agactatgga aagcggtctt gaagcagaaa aattgcaacg 60

ggaagttcag gaggcacaag tcaatgaaga agaggttaaa ggaaagattg gtaaggtcaa 120

aggagaaatt gacattcaag gccaacagag tctgaggctg gagaatggca ttaaagctgt 180

agaaagatct cttggacaag ccaccaaacg attacaggac aaagaacaag aactggagca 240

gttgactaag gagctgcggc aagtcaatct ccagcagttc atccaacaga cagggacaaa 300

agttaccgtg ttgccagcag agcccattga agtagaggcc tcacatgcag acatagaaag 360

ggaggcacca ttccagtccg ggtccctgaa gcggcctggc tcgtcgcggc agctccccag 420

taatcttcgt attctacaga atcctatctc atctggtttt aat 463

<210> 10681
<211> 540
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<400> 10681
aacaatctct ttgtatcgct tccttccgaa tatcgtaatg caagccaatt gcacagtaac 60

agtgtgggca gctgcatctg aagcaaagca tcagccacca tcagatttc tttggagaga 120

acaaaacaag tttaagacag gcccaaattg tacaacgatt ctgtgcaaac ctaatggtga 180

agctgttgcc tggtacactc ctattcactg gaagcaagcg tgggagaaat tagagactga 240

cattgaattt gaaagatgct cgatagtaag tccgtctcaa agacacaggt ttccatggcc 300

agtatctnga actacaactg aagaaaaaca agataaatct gataaagata tctcaggata 360

tcagatgaaa caagttagag tttttcttaa aagagaaaaa gaaaatccac cactcccttt 420

tcccaatagc agcccatggt gccacagtcc caatgtccct gcacatccct actgtcctct 480

gattgaacct tgcaataact gcacggctga aagcagctta gatagacagc ctaggcctca 540

<210> 10682
<211> 482
<212> DNA
<213> Canis familiaris

<400> 10682
tgaaaaggtg tcttcactgg gacccctctg cccgtttgac cccagctcaa gcattaagac 60

acccttggat tagtaagtct gtgcccagac ctcttaccat tgaaaaggtg tcaggcaaac 120

gggtggtaaa tcctgcaaat gctttccagg gactgggttc caagctgcct ccagttgtcg 180

gaatagccaa taagctcaaa gctaatttaa tgtcagaaac caacggtggt atacctctgt 240

gcagtgtact gccaaaactc attagctaac ggacagtgct gtgctcagag atgtatatgt 300

atgtattttt aattatcctg caaacctgaa catggggaga aaatacaagc ccattggtgg 360

atatgttttt gttacactag atttcttttt tttaacaagg caaaacattt ttatatgact 420

gtaacagaac tctccaaggg ctaattacct aaccagcctg tgttggccat cctggaatgt 480

ac 482

<210> 10683
<211> 559
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (439)..(439)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (474)..(474)
<223> n is a, c, g, or t

<400> 10683
aagcctgtgc cttcgaagag gaagttgaag gtnaaatgga ggagctagcc tgcctctttg 60

cagaannnta gtccnctggg ncctgtngcc tcttcaaaag gacagattta tcncaaggcc 120

ggcaggatca tccggatgcc acctgagtgc tgtctccctt cccancttct tatgtggccc 180

accagaaata agaacaggtt aaagcatgga gaatatgaga gcatccctgt agtgtgcaaa 240

gtgacaggac aggatggccg gttccgaggg gaatgtacga cggccatgca ggaggggttg 300

gagtccaaga gagcctctca taagtcctgg gaacgtaact gtcagaggtg gaaaaccaag 360

gtaccttaca aagtttcaaa cagattcgag gcagatgctg taaagtttag gaaatagcag 420

gtacagagga aacagattnc tgcgttccag ttatatagaa gaactaaata agtnatgcat 480

catcatgatg gtttagattt gaattaagaa agcgatcata ccaacaaaaa gaaaacgtga 540

cattataaag cctttggaa 559

<210> 10684
<211> 483
<212> DNA
<213> Canis familiaris

<400> 10684
ggatacacca aaagggtcct gcttatttat gatggcattc actatgatcc gcttcagcgg 60

aacttccctg acccagacac cccgcctctg accattttct cctctaatga tgatattgtt 120

cttgtacaag cactggaatt agcagatgaa gccagaagaa agagacagtt tactgatgta 180

aaccgcttca ccctgaggtg catggtatgt cagaagggat taactggaca agcagaagca 240

agggaccatg ccaaggagac aggccatacc aactttggag aagtgtgatc tatgcatgat 300

gaggattgcc gcctactacc tcacagatcc agaaggctct gggttttcca ataagctatt 360

tgtaaccctt aaagaacaaa ggacacaatg cttgaaccat ctttttaact taaaaccact 420

aagacactga aattccttgt taagattaaa attagtgtgc aagtttacag gtgtgtgtct 480

aca 483

<210> 10685

<211> 365
<212> DNA
<213> Canis familiaris

<400> 10685
actgagggcc caggagacct tcatgcagtg ggatcagtgc cggcgcttct acaacttcct 60

catggcagac aacatgaaga agatcatcct ctcgcacagg caagctcttt ttggagacca 120

tgttaagaaa ccccagagcc tggaggacac agacttgagc cgtctctaca cagccacgtc 180

cctgatgcag atcgatgata acgtgatgag gaagttccat ggctacaact ccctgaagga 240

atattacgag gaggaaagct gcatgcgata cctgcacagg atttatgtgc ctctcatgct 300

ggttaacgca gctgatgatc cattggtgca cgagagcctc ttaaccattc ccaaatctct 360

ttcag 365

<210> 10686
<211> 438
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<400> 10686
aatacttagc cattcgtgtc ctcttagacc atttggggat gaagacatgt tgacaattag 60

caagaanctt ttcaattatc tgcctgattc catcatgttt tcttaacatg atancttcaa 120

aaattaacat cctttgtaat ttccntagtc ttccaaggta taccgctttt tacttatttt 180

atttacattt taaatatgcc cacttagcaa ttggaacaag ttaaattgtt cttgattaga 240

agtagtttgg aaattttgct cctttgtttn ccccccctgt gctgacttga gtcgcccggg 300

gccgcgtttg cggaacttgg tccctgtcca gccttcccgc tggacctttt ccagagactc 360

cctttgaagg cactttgtcc agaaatgaaa tactgtcaca gtggattact tcagcgccct 420

catttcgtat tgtcatta 438

<210> 10687
<211> 506
<212> DNA
<213> Canis familiaris

<400> 10687
gaagatttct ctaccactga ggacactagc aggattttac aagctcatga tagcagtcca 60

gaggcagaaa atccaaaata taatcgatgc acaagtaaat ctagtgaaac aatactgtcc 120

ataagaaaaa acagcagtga aaagagttct gttcttagcc cacctttttc agctggatca 180

ccagtacact catctaaaag atctcatatt tcaaagattc aagataaaag tttggaggaa 240

acatcgagta tctctaccag tgatttatct ttattacatt ggactgagga aaaagaaaat 300

catatagatc aaaatggtat gcataattct aaagttgtaa agagggatca ggacatgtct 360

ataaaactta aaacaagaac tggtggcaag tcttcagaaa aaagccagtc acctcggaca 420

tctcaagtga gttcttatct gccatctaat ttgtcagaac tagaacttaa tgttctggat 480

agcagtacat cagatcactt tgagga 506

<210> 10688
<211> 456
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<400> 10688
gaagcagtga tgacgaaagc agacaatgac agnangnnnc acacagagac actgcagagg 60

ctgnctcgcc tcctggacct caagagccac cgcatccgtc agctggaagg tgattttaac 120

ctcactgacc ctgcggggaa ccccaatgga tttgttgagg cacaactgga ctggaagtct 180

ttctaccagc ccccagagag cttcctgaaa ccagaagctc agcctganga gaacagcacc 240

aaggatagtt tagagagctc atctaaagag gaccagatgg catttgctga gattcccacc 300

gaagctggcc agtatcaagc taagcaaaaa cctccacagg tgggagaaag aaaggaaagg 360

gaacatcagg ttgcaagcta ctcaagaaga aaacatggca aaagaacagg catccaagga 420

aagagcagaa tggaatatct tagtcgtaac atcata 456

<210> 10689
<211> 543
<212> DNA
<213> Canis familiaris

<400> 10689
aagccacatg ctttatgccc gaaaagaaaa cctctgacca gtaaggaaaa cgtattgacg 60

cactcctcca ttttggcacc cgaaagacag ttttggagag ccgtgggaga tggggagaac 120

tggagaaaag acagcctaag gaaagatatg gagaaagatt tgaaggttga ctcaaacatg 180

ccactcagca attctagcca agaggtcaca aaagatctgc ttgatatgat cgaccacaca 240

agcatccgaa ctattgaaga gttggctggg aaactagaat ttgaaaatga gctgaaccgt 300

gtgtgcagtc gttgcgaaga ctcgcccttc agggaggaag cctgggcctt gctcgtggac 360

gagagccctc agaaggcctc ggatactgac cccggcagcc tcaagcaggc ttttgatgat 420

cacaatattg ttgagactgt gctagacttg gaagaggact acaatttgat gacctcctct 480

ttcaaatacc aaattgagta aggacagttg actggagctt tggttctttc tagcaggagg 540

ctg 543

<210> 10690
<211> 393
<212> DNA
<213> Canis familiaris

<400> 10690

gaaagacact tgtcctatcc tacctaaact tgccaacagc tgttctgatg agagttcaca 60

taaaccttct aataagtcta ctgaggttca tttgccacgg ttttcattaa agcaagggat 120

gatcccacga cattacatta tgccttggaa agaaaacatg atattcagga atatgaatct 180

gaagcatgca gaagtgcgtg ggatccatgc tggcccttta gaagactctc tgtttttgaa 240

tcacagtgaa aggctttgcc acggggaaga tcgaaaagtt gtcttgaaca aaggcccacc 300

agaaataaaa attgcagata tgcctctgca ttcaccgctc tccagatacc aaagcactgt 360

gatttcccat ggcttcagga ggcgactggt cta 393

<210> 10691
<211> 544
<212> DNA
<213> Canis familiaris

<400> 10691
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cagccaagcc ccagcctcca gcagtgttcc tgcagcgatg tcaggagcca gtgcagcgac 120

acttcttctc caagcatgac aaccgtacgt ctttcgacaa agagggcccc tactgtctgc 180

tgcagggaat cggaaggcgg aaggacctag accgcctgtg gcaacggcac accttcctgc 240

gctgggcacc ctgtgagctg gagttgagcc agcagcggcc tcttgaatcc tcctaccagg 300

ccaatttcca gtcaggccca ggagtcagtg acttccctca gcgtcttgtc cactttgtgc 360

agatacagcc tccccgtacc agcaccacct accagcagaa cttctgccag ccatcccggg 420

gtggctactg tggcaacaac atggggtcag tcaccgacac actgcctgac ctcccaggga 480

tcccaagacc caagctgctg cagcattacc ttcatgctgg ggtctctgaa tgtctaaact 540

ggtc 544

<210> 10692
<211> 446
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<400> 10692
tggatccctg tcaagctcgg tcagatgtgc tgnccnncaa gagccagcag cattcggaga 60

ggacactcat gncggctgtg ttccgggaac cccatccctg aagagcatcc tccaagagag 120

cttttccctt tcattttgag cagtgtttcc aggtagcttc agcccagaaa cttcccagaa 180

gcaaacgctc cccagtgccc cttatctatc tctatgtgca tctcagagga ggaagagaca 240

agaagggagg ccagagatcg tctttgtgga gacggttgga cagtgcttcc tatggcaaga 300

caatgccatg atcaatccta aatggtgaca gaaaccaacn tcagccaaga atggccggga 360

tgagtcagct ctggaccatt tagcgaacgt gtcctagttg ggtgggaaga ctgaggcctc 420

tgtctgccct ttctcaggac aatgaa 446

<210> 10693
<211> 370
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (308)..(308)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (310)..(310)
<223> n is a, c, g, or t

<400> 10693
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ctaagagttt tgcaggcaaa cctgccctca aaacgttgca taaggtccct aagtacccac 120

ccagctagag aaaggatggt ggtttgcagc cttatgtggg aagaagccaa gaaagatgac 180

aagcagaacc aagttcacac ccctgttgat gagagcacaa ctcttggaac atggagcctg 240

gaacagggct ccggaacagg ggcaccctgg gaaagtggct ccatgcccag aactgtccca 300

tccagagnan ctgcacaagc agtgacctgg tcacctactc atccaggagc cttattttcc 360

taaactcatg 370

<210> 10694
<211> 407
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<400> 10694
tgaccgtgga tcagcgagcc tccatcattc agaggtttcg ggatgggaaa gagaaagttc 60

ttatancaan ccaatgtctg tgctcgaggg atcgatgtga agcaggtcac gattgttgtg 120

aactttgacc tccctgtaaa ccaagcagag gagccagact acgagaccta ccttcaccgc 180

atagggcgga caggacgctt tgggaaaaag ggcctggcct tcaacatgat tgaagtggat 240

aagctgcccc tgctcatgaa gatccaggat cacttcaaca gcagtattaa gcaactcgac 300

cctgaagaca tggatgaaat tgaaaatatt gaatattgaa tattgaagac agaactttat 360

tgcttgtgaa atatcctagt ttatgtgaga ctgtcccagt gggtttc 407

<210> 10695
<211> 545
<212> DNA
<213> Canis familiaris

<400> 10695

agcagattgg gccttacgat ggatagaaga tagaaaatct acttttgggg aaagagtcgt 60

ggcttttgct gctgtagaag ggattttctt ctctggatct tttgctgcta tattctggct 120

aaagaaaaga ggtctcatgc ctggactcac tttttccaat gaactcatca gcagagatga 180

agggcttcac tgtgactttg cttgcctgat gtttcaatac ttagtaaata aaccttcaga 240

agaaagggtc agggagatca ttgttaatgc tgttgaaatt gagcaggagt ttttaacgga 300

agccttgcca gttggcctca ttggaatgaa ttgtgttttg atgaaacagt atattgagtt 360

tgtagctgac agattacttg tggaacttgg attctcaaag gttttccagg cagaaaatcc 420

ctttgatttt atggaaaaca tttctttaga agggaaaact aatttctttg agaaacgagt 480

tgcagagtat caacgttttg cggttatggc agaaactaca gataatgtct tcaccttgga 540

tgcag 545

<210> 10696
<211> 539
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

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atgccttgcg ggccaagcgc aaccaggngg ttgcagacag ggagtggcgc agaaaggaaa 120

aggaaaacgc gcagaagaag gtggagacag aggccaagct gcgcaaaagc cggctggagc 180

aggtggctct caaggagcat gctctggccg ttcaggtgca acgggaccgg gatgagttcg 240

agaggattct tcgggcgcag agagagcaga ttgagaagga gcggctggag gaggagagga 300

aggccaccgg gcgcctgcgg cacgccaacg agctgcggcg ccaggtgcgt gagaaccagc 360

agaagcaggt gcaggaccgc atcgccacct tcgaggaggg ccggcgcctc caagaggagg 420

cccagaagcg gcgtgagcgc atcgatgaca tcaagaagaa aaagatcgaa gagctcagag 480

ccaccggcct tcccgagaag tactgcatcg aggctgagcg caaagccaac atcctgcca 539

<210> 10697
<211> 539
<212> DNA
<213> Canis familiaris

<400> 10697
agcctccaca agtcaggttt gcaatcctgg gaagacattg acaaactaaa ttcattcccc 60

aaacttgaag aagtgagatt gttaggaatt cctcttctgc agccatatac cactgaggaa 120

cggaggaaat tggtaatagc cagattgcca tcagtttcca aacttaatgg cagtgttgtt 180

accgatggtg aacgagaaga ttctgagaga ttttttatcc gttactatgt ggatgttcca 240

caagaagaag tgccattcag gtatcatgaa ctgattacaa aatatgggaa gttggagcct 300

ttggcagaag tggacctcag accccagagc agtgcgaaag tagaagtcca ctttaacgac 360

caggtggaag aaatgagcat tcgtctggac caaacagttg cagaactaaa gaaacaatta 420

aaaactctag tgcagttacc cacaagcaac atgcttctct actattttga ccatgaagca 480

ccctttggcc cagaggaaat gaagtacagc tctcgggcac tgcattcttt tggcattag 539

<210> 10698
<211> 576
<212> DNA
<213> Canis familiaris

<400> 10698
ggttcaagca agtggcccag gcctacgagg tgctgtcgga cgcccggaag agggacgtgt 60

acgaccggta cggcgaggcg ggagtggagg gcggcggcgg cagcgggccc tgccacgacc 120

ccttcgagta cgtcttcacc ttccgcgacc cggccgaggt cttcagggag ttcttcgggg 180

gccaagaccc gttttctgcc ttcgacttct tcggagaccc gctggagagc gtcgtgggcg 240

ggcggaggag ctcccggggc ggcggcggcg gcaggggggac cgtccccttc ttctccgcct 300

tcagtgaatt tccagcattc gggggaggtt tttcctcttt ggatacggga ttcagttccc 360

tggggaacgg aggcctgtct tccttctcca tgtcctacgg tagcggcggg acgggcaact 420

tcaaatccgt gtcgacttcc accgaaatcg ttaatggcaa gaagatcacc accaagagaa 480

ccgtcgagaa tggccaagaa cgggtggagg tggaggaaga cggagagttg aagtccctgg 540

tgataaatgg caaagagcag ttgctgcgcc ttgaca 576

<210> 10699
<211> 390
<212> DNA
<213> Canis familiaris

<400> 10699
gccaagacaa acactttctg cggaacccct gactacattg ccccagagat cttgctgggt 60

cagaaatata accattctgt tgactggtgg tcatttggag ttctcctcta tgagatgcta 120

attggtcagt cacccttcca tgggcaagat gaagaagagc ttttccactc catccgcatg 180

gacaatccct tttaccctcg atggcttgag aaggaggcga aggacctttt agtgaagctg 240

ttcgtgaggg aacctgaaaa gaggctggga gtgaggggag acatccgcca gcatcctttg 300

tttcgggaga tcaactggga agagcttgaa agaaaggaga ttgacccacc attccggcct 360

aaagtgaaat caccgtatga ctgcagcaat 390

<210> 10700
<211> 386
<212> DNA
<213> Canis familiaris

<400> 10700
gatgttggac tgcatgattt cttaatcagg tatgtgtaca ttccggtagg cgggtcccag 60

catggcctgc tggggacact gttttccacc gctgtgacgt ttgcatttgt gagcttctgg 120

catggtggct atgactacct ctggtgctgg gcagcactca actggctggg agtcaccgtg 180

gagaatgtag tccagaggct tgtgcgaacc ccgtgcatcc aggacagcgt gattcagttc 240

ctctccccac aagcccgccg tcgattccac gctgccctcg catcttgttc cacctccatg 300

ctgatcttgt ccaacctggt gtttctcggg ggcagtcaag ttgggaaaat ctactggaac 360

aggatcttca tacaaggctg gccata 386

<210> 10701
<211> 554
<212> DNA
<213> Canis familiaris

<400> 10701
ggcaacaaat gccagcgatg cacgaattca gagaagaagt atggaccacc atattcatgt 60

gaacagtgta aacaacagtg tgcatttgac aggaaagatg atagaaagaa ggtagatggg 120

aaattgctgt gttggctgtg cacactttca tacaaacggg tccttcaaaa gaccaaagag 180

cagaggaaac atctgagcag ctcttcccgt gccagccacc aggagaagga acagtatcga 240

ctgagtggtg gcagccatta taacagcttt tccccagacc tggctctgga ctcaccaggc 300

actgaccact ttgtcatcat tgcccagctg aaggaagaag tggccacttt gaagaagatg 360

ctgcatcaaa aggatcaaat gattttagag aaagagaaga agatcacaga gttgaaggct 420

gattttcaat accaagaatc tcagatgaga gccaaaatga accagatgga gaaaactcac 480

aaagaagtca cagagcaatt gcaggccaaa aaccgagaac tcctgaagca ggcagctgcc 540

ttgtccaaga gcaa 554

<210> 10702
<211> 497
<212> DNA
<213> Canis familiaris

<400> 10702
gggatctctt cgttgggcag ctaaagagct ccctgacttg tactgactgt ggttactgct 60

ctactgtctt tgatcccttc tgggacctct cattgcccat cgctaagcga ggttatcccg 120

aggtaacttt aacggactgc atgaggctct tcaccaaaga ggatgtgctt gatggtgatg 180

aaaagccaac atgctgtcgc tgccgagcca gaaaacgatg tataaagaag ttctccatcc 240

agaggttccc aaagatcttg gtgctccatc tgaagcggtt ctcagaatcc agaatacgaa 300

ccagcaagct cacaacattt gtgaatttcc cactaagaga cctggacctg agagaatttg 360

cctcagaaaa caccaaccac gctgtttaca acctgtacgc tgtgtccaat cactctggaa 420

ccaccatggg cggccattac acagcctact gccggagtcc agtgacaggc gaatggcaca 480

ctttcaatga ctccagc 497

<210> 10703
<211> 348
<212> DNA
<213> Canis familiaris

<400> 10703
gtgatgattt tgacgttgaa actaaaatgg aagagcagaa aagaaacctt ggatcttctg 60

aacttggaga accaagttta gtttgtgagg aagatgaaat tatgaggtct aaagaaagtc 120

tagatctttc aatttctcat tctcaggttg aacagttagt cagtaaaaca tctgaacttg 180

atgtatctga aagcaaaaca agaagtggaa aaatctttca gaataaaatg gctaatggaa 240

atcaaccagt aaaatcttct aaagaaaatc ggaagagaaa tcaactcgaa tctgggaaaa 300

cagtccttta tcactttgat tcttctagtc aagagtcagt gcccaaaa 348

<210> 10704
<211> 574
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<400> 10704
tgtgctactc gaagcgagcg cgctcctgcg gcctgtgtga tctctacccg tgctgcctgt 60

gcgacgtcaa gctctactgt ctgcgaccat ctctcngaag tttggagagg aaagccatta 120

gagccataga agatgaaaag agagagcttg ccaaactgag aagaacaaca aatagaattc 180

tggcctcctc ttgctgtagc agtaacattt taggatcagt aaacgtgtgc ggctttgagc 240

ctgatcaagt caaagtccgg gtgaaggacg gcaaggtgtg cgtgtcggcc gagcgggaga 300

acagatacga ctgcctcggg tcgaaaaagt acagctacat gaacatctgc aaagagttca 360

gcctgccgcc gtgcgtggac gagaaagacg tgacttactc ctatgggctg gggagttgcg 420

tcaagattga gtctccatgc tacccctgca cgtctccctg caacccctgc aacccctgca 480

gtccttgtag cccctgcagc ccctgtaacc cctgcaaccc ctgtgaccct tgcagcccat 540

gctatccctg cgggagccga ttttcctgta gaaa 574

<210> 10705
<211> 156
<212> DNA
<213> Canis familiaris

<400> 10705
agtgacctgg atctgacctc acaccatcta cggggaccac ccaccaggca tacccatgct 60

ggagtaggct gctgtccctg ggagctccag gctatttttg tgcttagtta ctggtttttg 120

ccattgcatt gttatccacg gtgacaagtg acagga 156

<210> 10706
<211> 162
<212> DNA
<213> Canis familiaris

<400> 10706
gcgagagggc tatgacccga gacaacaacc tgctggggcg tttcgacctg actggaatcc 60

ctcctgcacc caggggagtg ccccagattg aggtgacctt tgacattgat gccaatggta 120

ttctcaatgt aacagccatg gacaagtcca cgggcaaggc ca 162

<210> 10707
<211> 354
<212> DNA
<213> Canis familiaris

<400> 10707
gatcctgggc agtaggtgta ccacacccca gagccttctc agtgtgacac caaaaccttc 60

cggtcagcca cagaacacac acagaagaca gacacgacag aactgttcct gctattgcca 120

ccgccgctgc cactgctacg gccgtgggca tttagaaaac ttgaaagtca gcactaaaag 180

atgggcagag gttcaaccca cacctcctcc actttgcttc tgaaagccca ttattagacc 240

acttgtaatg attattccaa cccagttgtc acatctttgg ttcaaaatgg catgtctctc 300

caacaattta agtgcctgat acaaagtcca aagtgtaatc atcttccttt cctc 354

<210> 10708
<211> 507
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)
<223> n is a, c, g, or t

<400> 10708
gaagcggtat tacttggttc ctgaccggga gttgaagcac atagagaggc acatacaccg 60

cgtggggcag gtcagagagc tcaagaacaa agcagnccgg cacctaccac ggcctagtga 120

aacaaagttc cngaggatcc tgccagaaga gcgtggtgtc ctgggcacac agaggaggaa 180

gcaggtaagc gagcgggagc agatacagat caaagatcac cagcagcgca tgctccaggg 240

aagagaggtc ctggagcaga ggctccagga aggagtcctg agacaaggcc ggagccagag 300

gcccacacnt gaccggtgtg caagagccga gaaagaaacc aaagagtttg aaagtgttac 360

cgtataccct ctcttccaac catgcagtca gagtcggatt aaagtgaaca ttctcatgga 420

aaagaataga gaggaagcca ttaccattat aaaaccacat caaagaaaat tcttaacgat 480

gccgcccttt ctgcgaagcc aaatagg 507

<210> 10709
<211> 167
<212> DNA
<213> Canis familiaris

<400> 10709

gaaggaccca ggctatcgat tcgaactcct gtgctttgat gtcagagctt gtgaaaccaa 60

tggtggacgt aaagatgcag aggaagctcc aattttatgt aaaacaaagg ttccagatca 120

cagaaggtca tcacaagcaa aagttattaa aatgatcagt aatgtcc 167

<210> 10710
<211> 355
<212> DNA
<213> Canis familiaris

<400> 10710
tgaagcaatt caccaaggcc gccattcgca cccagccgca ggacctcatc cagtgggctg 60

cggattattt cggggctatg tcccgtggag agattcctcc agtgagagag cggtctgagc 120

gagtggcttt gtctaactgg gcagagctta cacctgagct gttaaagatc ctgcattctc 180

gggttgctgg cagactgatc atccatgcag atgagctggc ccagatgtgg aaggtgctga 240

gtctcccaac agatctgttt aatagtgtga tgaacgtggg ccgcttcacg gaggagattg 300

aatggctgaa gtttttagct cttgcttgca gttctctggg agttaccatt gccaa 355

<210> 10711
<211> 216
<212> DNA
<213> Canis familiaris

<400> 10711
aaaactcaca acgtctgtgc ttccgcctca gtgcatgaga ttcatgaatc agcattacga 60

gccaagaaca gaagacaggt ggaaaaaagg aaactggtca cccagaggca gcgtgctcac 120

tccgtggagg tggagaagaa cagacgggtg aagccttccg cctccgagaa cccgtggatg 180

acagaatata tgaggtgcta ttcagcacga gcataa 216

<210> 10712
<211> 274
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (103)..(104)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<400> 10712
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caggaagatc aaggccaaag gcaagttcaa ggccagactc tannacnann ccaaggctga 120

ggcatgcctc atgaagacac tgagccttcc aggnccccctg ccctttatca atgcatacca 180

ggagctaggg ggcatggggg atgtgaggct ggagaagtcc ttgcttcagg cctcactgcc 240

cctatcctgg atgcagcgcc aaataaaaag gagc 274

<210> 10713
<211> 259
<212> DNA
<213> Canis familiaris

<400> 10713
aaaatatgcc aagttccctg aatcacagtc tttaaaatac aaaattgtgg aagctcagaa 60

aaactcaaaa ccatccctct tcccagaagt attaaagaca gaaaatctaa agcccaaggt 120

ccgaaaagaa agagaccgtg tcaacaaaca aaagaagtca tttagcaaga tactaccaac 180

cacactgccc accacaagaa ttctaaggaa atctgttcca agaacattgc ttcactggac 240

tgcaagaaga actatacat 259

<210> 10714
<211> 74
<212> DNA
<213> Canis familiaris

<400> 10714
gaacagatga tggaagtcgg acgaaatgat cttctacgtc gctcagtaaa gcaccaagga 60

aaagatgaca ctga 74

<210> 10715
<211> 571

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (444)..(444)
<223> n is a, c, g, or t

<400> 10715
caagtatgcg cctatttttg aaagcgactt tatccagatt accaagaggg gagaagtcat 60

cgacgtgcac aaccgggtga gaatggtgac ggtgggcatc gcatccacca gcccgatcct 120

gccgctcccg gacgtcatgc tgctggcccg gccggccgcg ggctgcgagg agcacgggcg 180

cggccaggcc gccaagggca aaggccgcaa ggctgcaaag gccttggagc tcaccaggct 240

ccttcccctg aagttcgtga ggatctccat tcacgaccgt gagaaacagc agctgcgcct 300

caagttcgcc acgggccgct cgtgctacct gcagctgagc ccgcctctgc acgggcggga 360

agacctcttc gcccactggg aaaagctcat ctacctcctg cggccaccgg tggacagtaa 420

cagcagcacc tacgccatcc cggnagggga catgctgtgc atgcccgagt ttgaggaaga 480

ggacgggagg agcgcggcag gggccgattt ccaagggaaa ggggatcagg accaggtcag 540

catccggagc ctccacgtgg tctccgaggt g 571

<210> 10716
<211> 315
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (163)..(163)
<223> n is a, c, g, or t

<400> 10716
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ctcctggagg aaataaatga aaagcgtgaa tccaactgct ttgtggaaag aagcaatcaa 120

gttagctcac tgagagttca aaagaggcat ttcagcaccg ccngtcagtc ctctactcac 180

actcaaatta aagaatctgt tcctgacagt ggcaggagct cctggattaa acggagtctc 240

cttgctcacc cagagaaaac tttcctgcaa aaaataatgc catatttgga taaagtgcat 300

ctccagagac acaca 315

<210> 10717

<211> 540
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<400> 10717
gtgcagttat ccacaagccg acttcggact gcccctggga tgggagacca gagtggctgc 60

tatcggtgtg ggaaagaggg gcactggtca aaagagtgtc cagtagatcg tacaggtcgt 120

gtggcggact ttaccgagca gtataacgaa cagtatggag cagtgcgcac gccttacacc 180

atgggctacg gggaatccat gtattacaac gatgngtatg gagcactcga ctactataag 240

cgttaccggg tccgctctta tgaggcagtg gcagcggcag cagcagcttc tgcgtacaac 300

tacgcggagc agtccatgtc ccatctgcct caagtccaga gcacagctgt gaccagtcac 360

ctcaactcca cttctgttga tccctacgac agacacctca acacttcctc ctattatgga 420

agggacagga gccccctgcg tcgtgctgca gctgtgctcc ccacagttgg agagggctac 480

ggttatgggc cagagagtga gctgtctcag gcttcagcag ctgcacggaa ttctctatat 540

<210> 10718
<211> 407
<212> DNA
<213> Canis familiaris

<400> 10718
aagaacaatt gctggctatc atgaaagcag atcagatttt ccaggagcat gaaaaggaga 60

aaaaacgcaa agctgataaa aaacatcgag aagttcgaga tgcccatatt cagcaaatgg 120

ccaaaaataa atttaatgca aagcaagaaa aacaagcaga attagagtat tacagacttg 180

ctgaagcact tgtggctgaa aaggagaagg aattccaaga ttatgccaga gaagtaattg 240

aacttgagtc tgaatcaaca aataaatata tttatcctct tgtaaaagct gtacaggaag 300

gacacggagg tggccgtgga ccagtttttg tggacagagg tggattaaga cccagttacc 360

aggcaaatga taccactgga gtccagcttc ctttttataa ctctcag 407

<210> 10719
<211> 582
<212> DNA
<213> Canis familiaris

<400> 10719

aagaggacca gcctcctggg agaaccttac aaaatcctga acctgcagaa gcgtctggag 60

cacctgtggt ccatgcttga ggtccctgac aaggaccggc tagacatggt catcaagtac 120

agctccaatg cccgtctgag tcagctgcct tcattagtga gtgcctggga gcaagtcctg 180

aagcccattc agctgaggga aatgttgctg gggagactag aattgtttga gcgacaagct 240

tctgacccca accgcttctt ccaaaagact aacatgggcc tgggtagctt cctggaggag 300

aatcagttcc gcaaccgtct acacaggaag atcaatctgg tgcaggctcc tttggtttcc 360

ctcctgaagg aaattgaatt aatctttggt gagccagtga ccttcaaggg gcggcgatac 420

ctggataaga tgaagcatga caaggtggag atgctgtact ggctacagca gcagcaacgg 480

gtccaccacc tgacacaggg tcagaaggcc tcccaccagc cagggctgtt caagaagctc 540

agcatccagc cttcaataac tcctgggaat actcctatta ct 582

<210> 10720
<211> 168
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (90)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<400> 10720
ctgaagtggt ggtctttgac cctcaagctt cccactgaat ctgatggacc ctccttgatg 60

acctgaataa aatgacagaa ccaaagtaan nnnnananna nnanttaggc tttattcttt 120

tttgtacaga ctacattcta taagaaatac ctacttgata atttgaat 168

<210> 10721
<211> 541
<212> DNA
<213> Canis familiaris

<400> 10721
attgtggaca cgcagaactc tgacaatgag gaagacgatc agtttgtggt ggaagctgcc 60

cccccgctcc ctgagatgtc agaacttgaa atggtgcccg cggtggacgt agaggacgag 120

gagaagcacg gaggacttgt gaaaaaaatt ctggagacca agaaagatta tgagaagtta 180

cagcggtcac ccagacctgg agagaaggag aaattgcttg tctttgagtc agcatggaag 240

aaggagaagg acatagtttc caaggagata gagaagctgc gtgtgtccat ccagaccctg 300

tgcaagagtg cgctcccccc ggggaagatc atggactaca tccaggagga cgtggacgcc 360

atgcagaacg agctgcagct gtggcacaac gagaataagc agcacgccga ggccctgcag 420

aaggagcaga gcatcacgga ctgcgcggtg gagcccttga aggccgagct ggctgagctg 480

gagcagctga ttaaggacca gcaggacaag atctgcgccg tgaaggccaa cgtcctgaag 540

a 541

<210> 10722
<211> 497
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (421)..(421)
<223> n is a, c, g, or t

<400> 10722
taagtggcat cacacctcta ctctacgtag ctcagacaag acaatctaat atcttaaaaa 60

tactcctgca atatggaatc ttagaaagag aaaaaaatcc catcaacatt gtgataacaa 120

tattgctcta cccttcaaga gtgagaataa tggttgatca tgaattggta gacatccagg 180

aagatgccaa aacatgttta gtgctgtgtt ccagagtgct ttctgccatt tcaatcaggg 240

aaatagagac gcagctaagt ttaggaagac gtccaattat ttctaattgg ctggactaca 300

ttccttcaac aagatacaaa gatccatgtg aactatcaca tctttgcaga ataaccatta 360

gggctcaact actgaccaac aatatgctcc caaatggaat attttcactt caaataccgg 420

ntcgtctaca gaagtacctg aatttagaaa gttaataaac atctttctcc tgagttcttt 480

aaggatactc accattg 497

<210> 10723
<211> 481
<212> DNA
<213> Canis familiaris

<400> 10723
gagccacaat ggattttgac agcagtagtg caagctttga aagtgggaca aacagtgaag 60

atattaagaa agccagtatt ctactgatcc gtaaattata tatactgatg cagaaccttg 120

gacccttcc taatgatgtt atacttacta tgaaactcca ctactataat gcagtgactc 180

cacatgatta ccaacccccct ggttttaaag aaggggtaaa ctcacacctc ctgctgttcg 240

agggggagcc tgttaacctg caagtgggat tggtctccac tggttttcat agcatgaaag 300

taaaagtcac aactgaggtc accagagtgt ctgatttgga gaacaatctc tttcaggaga 360

acagcactac tgagattgct catcagggtc tagacttcga tgaggaagaa gaggaatgca 420

acaatcacat tcaaagaatg aattttgcgt acagtcagca aagttctgag agctccagga 480

a 481

<210> 10724
<211> 327
<212> DNA
<213> Canis familiaris

<400> 10724
agacagttac ttggaaggtg aaagcgaaag tcagcaaggt accactgatg gcttcgagca 60

gcctgagtca gtagaattta gtagtggaga gaaagaggat gatgatgaag tggaaactga 120

ccaaaacttg tggtatagca gaaaatttat cgaacaagga cacaaggaag agaccgaaca 180

catactgtcc aaattcatgg caaaatatga ttttaagtgt gaccacttgt cagagattcc 240

agaggagcag gaaggagcag aggattcaga aggaagtgga atagaggagc aagaggtaga 300

ggcaaatgag aatgtggagg tgcctgc 327

<210> 10725
<211> 453
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (371)..(371)

<223> n is a, c, g, or t

<400> 10725
gaactttggg cagctttcca acctcaaggt ccatctgcgt gtgcacagtg gggagcgccc 60

attccaatgt gccctgtgcc agaagagctt cactcagctc gcccacctgc agaagcacca 120

cttggtgcat actggggagc ggccctatga gtgcctggtg agaccctcct tcccctcccc 180

tgtactcctg caggctgctg acaccagtgc ccattcccac cagatgtgcc acaaacgctt 240

cagcaactcc agcaacctca agacccacct gcgcctgcac tcgggggccc gggccttcca 300

gtgcagtgtt tgtccacgtc gcttcaccca gcacgttcac ctgaagctgc atcatcacct 360

gcatgtcgca nggccttgtg gccacctgtc cctggcatct cttgcctgct ttgcccgatg 420

gcaccaggaa gcactggatc ttgtggcact gcc 453

<210> 10726
<211> 281
<212> DNA
<213> Canis familiaris

<400> 10726
ggaagaattt ttgtgcaagc tcatttcttc agggctgtca accttcatat tgaaatctcc 60

aaggacctga aagaaagctt ggaagtagtt aaccaagctc aactggcttt aaattttgca 120

aggcttgtgg aagagcaaga gaatatattt caagctgcag tcttagaaga attacaggag 180

ttatcgaacg aagccctgag aaaaattcta cgaagagatc ttccagtgac ccgcactctt 240

attgactggc aaaggatact ctctgacttg aatctggtga t 281

<210> 10727
<211> 540
<212> DNA
<213> Canis familiaris

<400> 10727
tgtgcgcctg cacggcatta tcaaaggcaa aaatctggag gagttaaggc acattaattt 60

cttcccggag tcctggttga tccgggttac agccaaccat taccacgcac tggagagtgg 120

gggtgacatg gttcacgtga aagatcttac cacccaggct atgagatttg gactgctctt 180

taaccaggag tatacaactc attcagaaat cattgccgta tatggattct tctttgagat 240

aaagggaatc aaacaggata ctacctctta tagtttttac atgcagagag taaggcacac 300

tgatttggag ttcccgtcct cggtctgtaa gcatggcccg gttagcctga gagcggagcg 360

cttggtgaag tacgagatca gagcccagac cctggtggac ggcaagtggc aggagttcag 420

gaccaatcag atcacccaga agttcgggtt tgtcaagcca tcctgtaaaa gccacgcctt 480

gaaaatccaa actgtgggca tcccaatcta tgtaagtttt tcattcatct tcccaatatc 540

<210> 10728
<211> 532
<212> DNA
<213> Canis familiaris

<400> 10728
caaatggtgg ccttaaattt ccagaccccc ggtctaccca tggatcttca aaatgggaaa 60

tttttggata atggtagttc tggatatatt ttgaaaccac agttcctaag agatagtaaa 120

acaccgttta gtccaaataa aacaccaaga tacagtaatc cagtgacact tacaataagg 180

ctcatcagtg gtattcagtt acctcccagt aaccattcat catctaacaa agctgacaca 240

ttagtgattc tagaaacttt tggtgttcca aatgatcaaa tgaagcagca gactcgtgta 300

attaaaaaaa atgcttttag tccaaaatgg aatgaaacat tcacatttat tattcatgtg 360

ccagaattgg cgctgatgcg ttttgttgtt gaaaatcaag gtttaatagc cggaaatgaa 420

tttcttggtc aatatacatt accagttctg tgcatgaaca aaggttaccg tcgtgttcct 480

ctgttttcta aaatgggcga gagtcttgag cctgctgcac tgtttattta tg 532

<210> 10729
<211> 123
<212> DNA
<213> Canis familiaris

<400> 10729
gaataaatgt aatgctctct gtcttagcag gataatggcc caaacctgac atggacaagc 60

attctttgga aagttcaaga agcaatacaa tgtaacatgt cactcgtgct ttaaaattaa 120

ttg 123

<210> 10730
<211> 116
<212> DNA
<213> Canis familiaris

<400> 10730
aattcaaagc agattgctcc agcaaaagca gacctggagt ctgaatcttt tcgaccaaac 60

ctaagtgatc ccagtgaact cttactgcca gatcaaattg aaaagcttac caagca 116

<210> 10731
<211> 43
<212> DNA

<213> Canis familiaris

<400> 10731
gccctcagag gagttcagaa tgccacaacg tgagaagctc acc 43

<210> 10732
<211> 509
<212> DNA
<213> Canis familiaris

<400> 10732
aatggccgaa atttctcctg tgaggcctct ttggaggttc agggtcaacg gttaatcaaa 60

actactacaa tgcagctcca tgtcttatac cagcctcggt tagaggaatc tgattgccct 120

ggcaaccaga cgtgggtgaa agggacagag cagatgcttg cctgcatccc aaagggaaac 180

ccaactccaa ccttggtatg tacctggaat ggagtgatct tcaaccttga cgagccacag 240

aaggcaaccc agaaccacac ggggatctac tgctgcacag ccactaacca gctgggctct 300

gtcagcaaag acattgctgt ccttgttcaa ggactggatg aaggaatcag ctccaccatc 360

tttgtcatca ttatcgttgc ccttggagtg ggtattatca ccatagcact gtatctgaac 420

tacaagcctt gcaaaataga gaggcggaaa ttgccctata ggcagaaaga gaagaacaaa 480

gaggaggaaa gccagtttgc tgttcagca 509

<210> 10733
<211> 355
<212> DNA
<213> Canis familiaris

<400> 10733
gggcagtttt caggacctac ttacaatcct acggccaaga atctcaatat tgtgaaccgt 60

gcacagccag ttccctcagt gcatgggagg acagactggg tggccaagta cggcggccac 120

cggtaggagt ccggcagcca ccaataggag tctgatgtga agccccacag cattgctcca 180

tagagtccat gcaagtcccc tgtccctggg aaatgtctac agatgtctat ttccaatgag 240

ttctagaaga aaaatgtagt gggtacttgg aaaagcaaaa accatctatt ttctttcttt 300

cctagaaatg aaatgcattt tcttagcatc agttgcccac agtgctgata tatgg 355

<210> 10734
<211> 421
<212> DNA
<213> Canis familiaris

<400> 10734
ggtgtgaacc gacacttcca catgatctgt atccgggaca agttcagcca gaacattggt 60

cggcaggtcc catccaaggt catctgggac catctgagca ccatgtatga catgcaggca 120

ctgcatgaat ctgagatcct tccatttcca aatccagaga ggaatttcgt ccttccggaa 180

gaaatcattc acgaagtccg agaaggaaaa gtggtcattg aagaggaaat gaaggaggaa 240

atgaaggaag acgtggaccc ccacaacggg gcggacgatg ttttttcgtc ttcaggaagc 300

ttggggaaag caaccgagaa gtccagcaaa gacaagagcc cgtcagactt ggggtccaag 360

gaggggggcgg acaagcggaa gcgcagccgg gtcaccgaca aagtcctcac ggcaaacagc 420

a 421

<210> 10735
<211> 567
<212> DNA
<213> Canis familiaris

<400> 10735
gataccttag tctgtgctgg gaagaataaa gcctcattct cttgttccct cgctcagaac 60

ttggaacatt ctcacttgct ggaccaaaag gaaggagaga aagacccttc ctggaaaagg 120

gaatggcttc atggatctaa taaaaagaac tatcaggatg tgcagagaca tgttcaacca 180

cctgggggca agggccttca gctattggac aagaccaaat tagaaaaggt gtctgccaaa 240

gaaaccaccc aaacccccat cctctttcaa aactacaggg attcctggaa tggagaagac 300

acagattctg ggaaacaaag cccttatccc gtctctgtgt tttcctggga cagtgaaaag 360

aatgacaagg actcctggag tcagcttttc actgaggatt ctcagggcca gcgggtcatt 420

gcccacaagt ctagagctcc tttccgagat ataactaaca accaggatcg gggcttaggg 480

cagtttctta acagctcttg ggctcagtgc caggagaagc ccactcagtt aaatctccag 540

cctgatttgc tctttaccca ggactct 567

<210> 10736
<211> 473
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (376)..(376)

<223> n is a, c, g, or t

<400> 10736
gatcggacta acacaaaaga caccagaatc cagcacaagt gcagtgttaa aagngcccca 60

ccgtccgcat ttgtctcggc aagtagagga gaggctgcca cccatctaca aagttcggga 120

gaagcaagcg gtcaataaca acttcccctt ctctgtacac gacaatcggc atagctttca 180

gagttctgga tgctaccttg actctggcct gggacgtagg aagatctccc cagagaaaag 240

gcaacatgtt tcaagaaatt tcaatctctg ggcaggtgac tatgttccat cttgtcttga 300

tggtttttca aataaccaaa tatcatatgt ctatcaagaa gttgtggtgg tcccaatttt 360

tagacgcttc ccaagntgtt ataatgagaa atggaactct tttaaattta ttcctcagag 420

aagctacaca gaatttttga aaaagaaacc aaaagtaagg tttgctattg aca 473

<210> 10737
<211> 287
<212> DNA
<213> Canis familiaris

<400> 10737
gaacctccac cttatgttgt tcctgtgtca cctaagcttc ccaaaacaaa gatgcatgcc 60

tctacagaag aactactgtc tatagaggga aatggcatgc ccaaagagga aaagcttcct 120

gaagattcca agaactcacc actaaatcca ggaagttctt taagccccag cagcagaaat 180

cccataagta cctctactac catcactagg aatttttctc aaagtgtgcc aggcacctca 240

agttcaccac tagtggggac caaatctacc aagagcagtc accatga 287

<210> 10738
<211> 344
<212> DNA
<213> Canis familiaris

<400> 10738
gaagtgataa ctgcctcctt tgatggggaa actcactcag tccagctccc tccagtgaat 60

agtgcctcat ttgctctgcg ttttcttgag accttgtgtc atagcttgca gtgtgataac 120

cttttgagta gccagccttt tagctcttac agacgtaata ctcctagtcc tgcagagcac 180

gataaaaata atcctgggtc cttgctgggg tgcttgatag aaggttccag gaatgagacc 240

atttctccct acctaacatc tcttctttca aatgatcagg tcaagtatga tttgtctttt 300

ttccccccca ttgaagctcc aagttatata gctgtacccg accc 344

<210> 10739

<211> 256
<212> DNA
<213> Canis familiaris

<400> 10739
atgaaggcat ctgtggttct ctccctcatt ggctacctag tggttccaag tggtgctgct 60

atcttggggc gctgcgtggt agctaagaag ctctatgatg gaggcctgaa ttattttgag 120

ggctacagcc ttgaaaactg ggtgtgcctg gcttattttg agagcaagtt caaccccatg 180

gccatctacg agaacttgcc tggtggctac actggctacg gcctctttca gattcgcgac 240

tgggactggt gcgaca 256

<210> 10740
<211> 73
<212> DNA
<213> Canis familiaris

<400> 10740
ccctccggga gaagatgctg ccttgttata aaaggcatca cttataagga acgggaggac 60

ttgacactcc ggc 73

<210> 10741
<211> 531
<212> DNA
<213> Canis familiaris

<400> 10741
actgtatttt ctgcttctaa ttattatgaa gaaggcagca atcgaggagc ttacatcaaa 60

ctgtgcagtg gtatgaacct tcgatttttc cagtaccaag taactaaggc aacgtgcttg 120

aggcctcttt accaaaggtg tgtatgctct aagaattctg agcgctggta ctggtggcca 180

agtagaacca gaaaacttcc gatgggccag tgggcttttt ccatggagaa cgttttggga 240

ctgaacttac catggagatc cctgagtcca catctggtaa ccacagacaa aagtggaaat 300

atcaactaca tgtccagctt cgaggatatc cacattcaga aacctgctca atcgactcta 360

attgaaactc tgtacagata ccgatctgac ctgcaaatca tctttaacat cattgactct 420

gatcactcag gcctgatttc catggaagaa tttcgtgcca tgtggaaact cttcaatagt 480

cactacagca ttcatattga tgactttcaa attgatgacc tcgccgaaag a 531

<210> 10742
<211> 453
<212> DNA
<213> Canis familiaris

<400> 10742
ctctgtatct ggctaacaca gttgaagaag atgaagaaga atccaaatat gaaatttttc 60

catgggcttt agggaaaaac tggagaaaat tgttccctaa tttcttaaag ttaagggacc 120

aactctggga tagaattgac tatagggcta ttgtaagcag gcgatgctgt gaggaggtta 180

tggctattgc tccaactcat tatatatggc aacgggaacg ctctgtgcat cacagtggag 240

ctgttagaaa ctacaacaga gatgaagttc aactgccccg gggacctagt gccacaccag 300

tagattgttc actctgtggt aaaaaaggaa gatatgttag actgggatta tcttcatcat 360

cttcatccag tgatacagta gaggtgatgg agaaacattc tcaggaatca cataactcca 420

tggacatagt agttgatcgt tctcaagctt ata 453

<210> 10743
<211> 299
<212> DNA
<213> Canis familiaris

<400> 10743
tggcctgcac cacagagtct gacaagacct ggtacctggt aggcattatc agctggggca 60

agagctgtgg acggaagaac acaccaggga tatacacttt gttagaaaat tacacccttt 120

ggatcaagaa ggtgactgag atggagggaa gacctttaa tgctgaggaa atgagaggtt 180

ctcccaatag gaaacaaatg aggtcccatg cagcagaatt tccagagcca ggaagccgca 240

gattctggct tctgatttca cttctgccct acatgttact ctgggccatt ttctactga 299

<210> 10744
<211> 592
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<400> 10744
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atgttcaaaa tttttaaaga gatgcaatct gtagtggaga caaagtatga ccaaatgcaa 120

aaggaacctt tatattccaa gattgcaaca gctgtttgct ctgtggttga gaataccacc 180

aatgtaaagg agttgcagca gtcagctaaa gaagtgttca aaactgttca aacaccagtc 240

attctctctg cattgaatag tagtaacatn cttaggattt tggaatcttc tctttcactc 300

ttgatgaaat atcccgtcat gaatcttcag ttaggtgacc tctatagaaa agacaccaaa 360

gagcaatcag atgccaacac atccaagaaa aacacaagtc cgggtccatc caaaattggt 420

acaatagaca tcttgaaaaa attgcaggat gcgctagaaa ctgaggattc caagaatacc 480

atcaagtcaa ttgcagttca gttggaggag gttgtcaaaa caatagcgcc tatcttagaa 540

gtcctccaaa aagccataaa tactatggaa accaaggttt ctgtgcccaa ga 592

<210> 10745
<211> 430
<212> DNA
<213> Canis familiaris

<400> 10745
agagacccaa gcttcattat gaccaatgtg agagaatgca tcccttccca caacaaaatt 60

aagagtcctc ccttgagcca tggaaaccaa tgggcaccat ttactgattg acttacacct 120

ggaaatttgg accagtgact atggaaagaa ggatggattt atcctgattg cctgtggccc 180

agttctttgc tggagctggg gccattttgc tctaacccat atagtagcaa agaatggata 240

ctgggaagat aatcacaata taatgctgcc tgtctctaaa ctgatgttta tgctgcttct 300

ctggaattaa atgtggactc ttcctttctt tctgcttatt gaaatacttc tcatcttgta 360

aggataagat aaggacttat ttttcttcta caggctaccc tctttgactg tctcatcaat 420

acttttcct 430

<210> 10746
<211> 145
<212> DNA
<213> Canis familiaris

<400> 10746
agctctccaa gcaactgctg tcagtctagc aacttctctg agccttcaga gagtcaacag 60

caaagcctcc tgaaatccag aatcccttta tccgggtttc tttgcccctt acaagattta 120

tgcacacctc cacaggaaga cagtg 145

<210> 10747
<211> 340
<212> DNA
<213> Canis familiaris

<400> 10747
gtgggtgcac tatatcaggt atgacacaaa taattggaag taatacagtt gagacagaaa 60

atgaagagtc ttgcctaccg atcagtaaag atatttccaa aagaaaaaaa caggaatctt 120

tatctgaagc agccagggat ccatgcgttt ctgcaaaaag aagaaaaaag ttccccaaag 180

cttcctcaga ccaagaggaa acagaaatca actttaccca aaaactgata gatttggaac 240

gcttactttt tgagagacat aaacaagaag aacaggacag gttattagcg ttacagcttc 300

agaaagaagt agataaagaa caaatgaagc caaaccggca 340

<210> 10748
<211> 507
<212> DNA
<213> Canis familiaris

<400> 10748
tgatttccag gaggtcgtgc gagcctttga actgaagggg cactctgcag ccgtccactt 60

cttcgctttc tccaatgatt cccgcaggat ggcctcagtc tccaaggatg gtacgtggaa 120

actgtgggac acagatgtgg aatacaagaa gcaacaggat ccctacttgc tgaggacagg 180

ctgctttgaa gaggcgagca ccatgctctg ccgcctggcc ctctcccctg acgcccaggt 240

cttggctttg gccagtggca gcagtattca tctctacaac acccggcggg gtgagaagga 300

agagtgcttt gagcaggtcc atggggagtg tatcactgac ttgtcctttg acatcactgg 360

ccggcttctg gcctcctgtg gggaccgggc agtgcggctt ttccacaaca cccccggcca 420

ccgggcagtg gtggaggaaa tgcagggcct cctgaagcga gcctccaacg agagcacccg 480

ccaaaggcta cagcagcagc tgaccca 507

<210> 10749
<211> 136
<212> DNA
<213> Canis familiaris

<400> 10749
aggcgtggct gtgtgaattc ccaagtgggc agccccctgg cccccaagcc caagccttca 60

tcaactgtgg aatcctctgg aacttagagg cctgacatca gcaacttggt cagaagtcct 120

caaaggacaa gccaca 136

<210> 10750
<211> 313
<212> DNA
<213> Canis familiaris

<400> 10750
gagcatcccc gtcgtgttta aagatgtcat caggcctggc atgcggcgaa aagttcctgg 60

agaaggcctc cccctcccca aaacacccga gaaacgcggg gacctcatta ttgagtttga 120

agtaatcttc cccgaaagga ttccccagac gtcaagaacc gtacttgagc aggttcttcc 180

aatatagagc cacctgtgtc tcccaaggac taaccaggga cctttccaga gctcaaggat 240

ttccggaccg ttccaccagt tgtggacccg tgagagggcg ggagggccca gggagggctt 300

tcgtactgct gaa 313

<210> 10751
<211> 483
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<400> 10751
tctcctctcc agactgcatt ttgggggact cccagaaggg agagcagctg aggcggaact 60

gcaccatcta ccggccctgg ttctcccctt acagctactt cgtctgcacg gaccaggaga 120

gccacctgga ggcctatagc ttcgcagagg tgcagcggga cgagggcagg ggcgacagct 180

gcagccccga ggacctggct gagagcatct gctcgtcctc ttcctcccca gagaacacct 240

gcccccgaga ggtcagcccc aaatccaggc acagcctggt ccccgccgac cacatcacgt 300

cccaggacat cctcacggcc tccaagtggc acccggccca gcagagtggc tacaagtgcg 360

tggcctgctg ccgcatgtac cccactctgc actccctcaa gagccacata angggggget 420

tcagggaggg cttcagctgc aaggtgtact actgcaagct caaaaccctc tggcaaggag 480

cag 483

<210> 10752
<211> 325
<212> DNA
<213> Canis familiaris

<400> 10752
gggcgggagt ttaggctgcg ccgacccctc agccccccctc caggagacgt tcggagccct 60

ggacatgtcg ggattgagga gatacgaggt ggcgctggag gcggaggagg agatctactg 120

gggttgcttc tacttttcc cctggctgcg catgtggcgg agggaccgga gctcggcgca 180

tccccgggag cagaagctgg agcctctgcg aggcctgatg agctgtctgt caagcggcct 240

gggccctgcc ccccagcgct cgggtcgcgg cctcccccgc cgcaccccca ccgccactgc 300

ccagccagcc ggtgcattaa agatt 325

<210> 10753
<211> 179
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<400> 10753
accaggtagt gtgcatgagg ccgtaaatac cctggcagaa gaacagacat acactggtca 60

gccctactct tcccagtgtt gttcttctag tccatcatgc ggtctgaaca gttttctgaa 120

ttgaattttc aatatgcaan gtacaattcc ttttgcggtc cttgtacctc atttgtaaa 179

<210> 10754
<211> 534
<212> DNA
<213> Canis familiaris

<400> 10754
gcttgtatgt ctatgggctt cttgattgaa gagactgcac cagttgtttg gagaggcctt 60

atggtaatgt cagccattga gaaactgttg aggcaggtag attggggtcc acttgactat 120

ttagttgttg acacgccacc aggaactgga gatgtacagt tatccatctc acagaatatt 180

cccatttcag gtgctgtgat cgtctctacg ccccaggaca ttgcattggt ggacgcacat 240

aagggtgctg agatgtttcg gaaagtccat gtgcctgttt tgggccttat ccaaaatatg 300

agtgttttcc agtgtccaaa atgtaaacac agaactcata tttttggtgc tgatggtgca 360

agaagactag cacagaccct tgatcttgat attctaggag acattccctt acatcttaat 420

ataagggaaa cttcagatac aggccagccg attgtgtttt cacagcctga aagtgatgag 480

gccaaagctt acctgaggat tgctgcagaa gtagtaagaa gattgccgcc acct 534

<210> 10755
<211> 469
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (413)..(413)
<223> n is a, c, g, or t

<400> 10755
aacatacctt ttactttctt tgcagtctct gatttcccaa atcaaagtga taatggaaac 60

agaatggcag tctctgcttt caaggatgaa aaggaagcca ttaagataaa ggcagaccct 120

gagaaactca agaaattaca agaaagtctc ctgcaggagg actcggagga ggaggatgga 180

gacttgtgtc gcatctgtca gatagccggg ggttccccaa ccaacccct cctggagccc 240

tgtggctgtg tgggcagcct acggttcgtt catcaggagt gcctgaaaaa gtggctgaaa 300

gtgaaaataa catcaggagc agatctaggt gctgtgaaaa cttgtgagat gtgtaagcaa 360

ggcctgctgg ttgacctgga tgattttaac gtgaccgact tctatcagaa gcntcagcaa 420

tcccgggcac aaaatgagct gatgaattca ggtttgtacc tggtgctgc 469

<210> 10756
<211> 340
<212> DNA
<213> Canis familiaris

<400> 10756
cagaagactg gaggccacat gcttggaatt atggctgggc cttctacgtg gcctgggttt 60

ccttcacctg ctgcatggca tcagcagtca ccaccttcaa cacatacacc aagctggtgc 120

tggagttcaa gtgtaagcac agtaagagct tcaaaggaaa gctgagcttc ccgccgcacc 180

accaccagtg ttcccttcag catctgtcat gcgcggccca cacgggggt actttgacca 240

gctaccacca gtaccacaat cagcccatcc gctctgtctc tgaaggagtt gacttctact 300

cagagctaca ccgcaaggga ttccaacaag gacttagccg 340

<210> 10757
<211> 276
<212> DNA
<213> Canis familiaris

<400> 10757
aaaggactac tggagtttgc cacgttgcaa ggcccatgtc accccactct ccgatttgga 60

gggaagcagt tgatggagaa ggctttcctc ccccaccctc ccttggggct tgtggcaaag 120

atcctatggt tatcactggg agcccagttc ttctccatcg gacttgaatt cgtcagcttc 180

ctcctgctgc taatggacct gctgttcact gggaacccgg gctacgggct caagctgagt 240

gccttcgcgg caatttcctc tgtcttgtca ggcctt 276

<210> 10758
<211> 367
<212> DNA

<213> Canis familiaris

<400> 10758
gtgccttcag cagcatctat gtcatccttt ggttgttact tggttccatt atctttcgaa 60

atattatagt agccatgatg gttactaact tccagaatat caggaatgag ctgaatgagg 120

agatgacaca tctggaggtt cagcataaag ccgacatatt caagcggcag attatccaga 180

ggtctctgcc ccattttcaa acccaagttt acaataaaat ttctcctttc acttatagaa 240

atgccaatca acaaagggaa tctgtggact tatcaaaagc ttttgaagaa gagtctaaac 300

acaatgctga tgaagagggt tcaagagcac ctgtgtcaaa aacaaaagcg tccttgtcta 360

gacatgt 367

<210> 10759
<211> 414
<212> DNA
<213> Canis familiaris

<400> 10759
tggtcacatg actctcgaaa actgtatatt aaaatgtgaa ggaacaggag tgtgtgttct 60

tacaggggct gctttgacaa ttacagacag tgaaataact ggtgcccagg gtgctggtgt 120

tgaactgtat cctgggagca tagctgtttt agaaaggaat gaaattcatc attgtaataa 180

cctcagaacc agtgacaatt caaaaagcac cttaggtgga gttaatatga aggttcttcc 240

agcaccaaaa ttgaagatga ctaataatca tatttacaac aacaatggct atggtgtaag 300

cattcttcaa ccaactgaac aatttttat cgtagcagaa gaagccctca acaaaggggc 360

agcttcaggg gataaaaaag aggacagtat gctctccagg gtaatgcaga atct 414

<210> 10760
<211> 574
<212> DNA
<213> Canis familiaris

<400> 10760
aggaccacta aagcatacca ctgatgtgat ctatgcagct aaaatgatat cagaatcagg 60

atcaaggatg gatgtccttg ctcggcagat tgcaaaccag tgcccagatc catcatgcaa 120

gcaagatttg ttggcctatc tggaacagat taagttttac tctcaccaac tgaagatctg 180

cagtcaagtt aaagctgaga tacagaacct aggaggagaa ctcatcatgt cagccgtgag 240

tttttctgta acattaaatc tttttatatt tctgattgca ttcatgaata atagctcttt 300

ttccctccta cagttggata gcgtcacctc cctgattcaa gcagccaaaa atttaatgaa 360

tgctgtggtg caaacagtga aaatgtctta cattgcctca accaagatca tccgaattca 420

gagtcctgct gggccccggc acccagttgt gatgtggaga atgaaggctc ctgcaaaaaa 480

acccttgatt aaaagagaga agccagagga aacttgtgca gctgtcagac gaggctcagc 540

aaagaaaaaa atccacccag tgcaagttat gagt 574

<210> 10761
<211> 271
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<400> 10761
cgaaccatgt tcagggccgc ggcgccgccc ccaggccgcc cggcactgcg tgagggccag 60

cctaggttca gccgcttcct ccanttcatg gatgagttct gccaggagcc cacggctagt 120

gactcgaaag gctaagggct gcgcacaggg ccatgcacac tgcctgtgcc ctctgccctt 180

tgcaggctcc gagccccgga ccgcaccttg gggttgggtg gccaggtaca ggcctcagac 240

cttggcttgg ccttgcttgc tggctgcaga g 271

<210> 10762
<211> 537
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (396)..(396)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(400)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(410)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<400> 10762
aggtcttcta aatcacacta gctttttcaa ataaaaacca ttttttgata ttgccaaaat 60

aatgacagga aacctcctca ttaaactgtt aaacttttt atggctaggt gaaaatatga 120

attgtttccc aaaaatatgc tgagttgtat tgtacctttt aggcaaagca aagcaaggct 180

gtgtaaatta aagctttgtg agtagtactt tccactgggg catcagtctt gctgggctga 240

atccgcttct ttgttggttc agtatttctt atgaagaact gcagtataga gcttgaagtt 300

atttaaaata ctaaatcatt ttactttgtg tttccatttt attaacggga tgttgcaatc 360

ctttttaaac taataaactt gtaaagtgat tggcanaaan anaannnnnn ancaaaaagt 420

tgcacagcga agcacaaaaa gatatctaat ttggagactc ttaaaatgtt tgctatagtc 480

ataaccatgg cttttacatt gaaagactaa taggaattct ggcatgttca ttctttt 537

<210> 10763
<211> 224
<212> DNA
<213> Canis familiaris

<400> 10763
agcgaataga gcagcatatg caacctcacg gatgaagcgt cccaggagat tcgcagcaga 60

aattcctacg cagactgctg agagctacag gtgagagggc gccagggttg gggaacagcc 120

tgtgtcacag aacgtctatg acccttgacg ggaggagcaa ccacacctgg gcagagggga 180

ccccgcggtg agcccttgct tgtgacgggc ccactggaac cttc 224

<210> 10764
<211> 394
<212> DNA
<213> Canis familiaris

<400> 10764
aagggagttt tgtccatcac ttcctccaga accagggcct gttgtccccg cctagaggcg 60

ccggtgctaa gaaagacgga gaagatcaga taatagccaa aatcgttgag ctgctgaaat 120

attcagggga tcggttggaa agagagttga agaaagacaa ggctttaatg aacagcttcc 180

aggaccggct gtcctaccct gttttcaaga ccatcacaga ccagttctta aggggtgttg 240

acaccagggg agaatcagag gtcagagctc ggggctttaa ggctgctctt gcaatagacg 300

tcacggccaa gctcactgcc attgacaacc accccatgaa cagggtgctg ggatttggaa 360

ccaagtacct gaaagacaac ttctcaccct gggt 394

<210> 10765
<211> 530
<212> DNA
<213> Canis familiaris

<400> 10765
atcccagctt actaccatat gtgttatcaa tgcttccagt gccacctgca gtgggcccga 60

ctttcagctt tgaattggat gtggaagatg gagaagtaga aaattatgag gccctgttaa 120

acctggcaga gcgactggga gaggctaaac cccgaggact gactaaagca gatattgaac 180

agcttccttc ttatcggttc aatcctaaca accaccagtc agaacagact ttgtgtgtag 240

tatgcatgtg tgattttgag tcaaggcagc tacttagagt tttaccctgt aaccacgagt 300

tccatgccaa gtgtgtcgac aaatggctta aggcaaatcg tacttgccca atctgccgag 360

ctgatgcttc cgaagtgcat cgggattcag aatgaccaac ctaagagcac aaatttagtt 420

tgggtgttcc tcatcacatg tatatacgga ctcttcattg aacttaatct gtgtggcttc 480

cagccctccc tttaccaaaa gggtcaatgg acctttcttt gcactgtgtg 530

<210> 10766
<211> 50
<212> DNA
<213> Canis familiaris

<400> 10766
aagaaggaac agaagcctct ccacctgcgc tgcatgaagt ggtcaccgag 50

<210> 10767
<211> 583
<212> DNA
<213> Canis familiaris

<400> 10767
aaaggatcct tggttcctgt acgagcctaa tgcaagccat tcaggtcctg attgtggcct 60

ctaaggatct ccagagagaa atagtggaga gtggccgggg cacagcatca cctaaagagt 120

tttatgccaa gaattctcga tggacagaag gactcatctc agcctccaaa gccgttggct 180

ggggagccac tatcatggtg gatgcagctg atctggtggt gcaaggcaga gggaaatttg 240

aggaactaat ggtgtgttcg catgaaattg ctgctagcac agcccagctt gtggctgcat 300

ctaaggtaaa agctgataag gacagcccaa acctggccca gctgcagcag gcctcccggg 360

gggtgaacca ggccaccgcc acagttgtgg cctccaccat ttcgggcaaa tcacagattg 420

aggagacaga taatatggat ttctccagca tgacactgac ccagatcaaa cgccaagaga 480

tggattccca ggtccgggtg ctagagctgg agaatgacct gcagaaggaa cgtcagaaac 540

tgggagagct tcgaaaaaag cactacgagc tcgctggtgt tgc 583

<210> 10768
<211> 408
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (383)..(383)
<223> n is a, c, g, or t

<400> 10768
gcagcacacg gctacggaaa gatttggaag atgaagggct cgtgtggatt tcacttccat 60

ttccttccac ttcctgcact tcccagaaaa cgaaaaggag aacgatatgt acagttgaca 120

gcagaggatt tggaggcctg tccctctcta aagaaactgt gtcttntgga cagaaaccga 180

gtatgccatt ccctgtatca ggtaaagaaa acagagaggg ctttgctgct gnttcttcca 240

gtttacctgg aaagaggagg aagagtgtct gcacatctgt gctcgcaaat acaagagata 300

ctactactca ggcaaaatgc tacaaaagaa gaacctctct cagccagaag ggagagagct 360

ctccgaagga cttccaaaga atngaacctg tccaggaact aaagcagt 408

<210> 10769
<211> 107
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<400> 10769
gaactaaagc agtagctggc atttcctaca gaacgcaggg cagcagagaa ggtaaccatc 60

cgtgctcaaa anattcattc attccagttc atgtcccttg ttcagct 107

<210> 10770
<211> 397
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<400> 10770
gaatacattg cttttcgatg tgcctactgt tttttcttga atcctgcaag aaaaactaga 60

cctcaggctc caaggcttcc agagtttagt tttgagaaga gacaggcagt ggaaagctca 120

agttcacttg gtcccttgcc ctcaggaagt gtgatttcat cagagaacca gatcactgaa 180

gaatctgtag aagaacaaga tgttcttgat aacagtacag agcagacagn cgagaaaata 240

tcagacacag agcagacaaa ccaagggact gaaaaagtat ctggcacaga ggaaccagag 300

gagaagcaag aggctgagaa tgaggacacc tcaatgaatg aagccaaatc agtagtcccc 360

agagccgatc ctattcctaa tcctgaactc agtggag 397

<210> 10771
<211> 249
<212> DNA
<213> Canis familiaris

<400> 10771
ttggtcagct tcctcattgc cataaatcag gccagcctca tcaatcgctg cgacttggcc 60

agggtgctgc gcaaggagga cttggatggg tttgagggct actccttgaa tgactggcta 120

tgtctggctt ttgtggaaag cagattcaac atatcaaagg taaatgaaaa cgcagacggc 180

agcttcgact atggcatctt ccagatcaac agccattact ggtgcaacga ttaccggagt 240

cactcagaa 249

<210> 10772
<211> 574
<212> DNA
<213> Canis familiaris

<400> 10772
acaacatcgt cgctgtggca ctgggcgtgg aaggccaagc caaagctgtg ctggccagaa 60

aactgagaac aacccccctcg tgcatcaaaa atgtgatcat ctggggtaat attagtggaa 120

ataactacat tgatctgaga aaagccaagg tttacagata tgagagtgct atttggggac 180

ctcctaacta ttcacgtcct gttttgagct tgatttttga tagtgagtgg gtaaacagac 240

aatatgtggc aactcttaga aagctgaccg ccacaggaaa acaattcaga cccatcttag 300

ctgcgcacag tatagctact acattgaaat actggtacca tggctcacca ccgggggaga 360

tcgtgtcttt aggagtacta agtgaaggcc agtttggtat tcctgaaggg atcgtctttt 420

ctatgcctgt aaaatttgag aatggaactt ggatagttct tacagatctc acagatattg 480

aaatcagtga gcaaataatg accagaatga caagtgatct aattcaggaa aaacttattg 540

cacttggaga tttggtcagt tttcagccct atca 574

<210> 10773
<211> 442
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<400> 10773
gttgaacctg aacacttctc ttgtgaaaca tatcaagaat ttgctatgcc taaagcatcc 60

tgccatcaaa ggatccaaga aatgcctgcc cctgagnaat atacacctga aatntatcaa 120

gagacaccng nacctgcgga ctcttcacct ganatatacc aagaaacagc tgggactgaa 180

gactcttcac ctgaaatata ccaagaaaca cctgggcctg aggacctctc tactaagaca 240

tataaaaata aggatatgcc taaagaatgc tttccagaac cataccaaga aacaggtggg 300

ccccaaggcc aggatcctaa aacacatcag gaggatgcta aggatgttta tacttttccc 360

cgagaaatga gagaaaaacc caaagcagaa gaaccagaga taccagcaat tccaaatgtt 420

cctcaagaga ttcatccaga aa 442

<210> 10774
<211> 568
<212> DNA
<213> Canis familiaris

<400> 10774
aacactgttt cccaacagct acttgttggt tggagtttgc agtgatgacc ttacccacaa 60

attcaaaggt ttcaccgtga tgaacgaagc agagagatat gaagctctca gacactgtcg 120

ctatgtggat gaagtcatta gagatgctcc atggacactc actccagaat ttctggaaaa 180

acacaagatt gactttgtgg cgcatgatga cattccctac tcttctgcgg gctctgatga 240

tgtttacaag catataaagg aagcaggaat gtttgttcca acgcagagaa cggaaggcat 300

ctcaacatca gacatcatca ccagaatcgt ccgtgactat gatgtctatg cccgacgcaa 360

cctccagaga gggtacacgg ccaaggaact aaatgtcagc tttataaatg agaagaagta 420

ccgtttccaa aaccaggtag acaagatgaa ggaaaaggtc aagaatgtgg aggaaagatc 480

aaaggaattt gttaacagag tggaagaaaa gagtcatgat ctaattcaaa agtgggaaga 540

gaagtcgagg gaattcattg gcaacttc 568

<210> 10775
<211> 102
<212> DNA
<213> Canis familiaris

<400> 10775
tatgttacag aggtgaatca gtgcttgaag cctaagggca caaaaatgaa gataagcctg 60

tcccaagtct gatctcagca gattcctgag ctttattaaa aa 102

<210> 10776
<211> 182
<212> DNA
<213> Canis familiaris

<220>

<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<400> 10776
gtcaagacca gagacgagtc cttgagttgc ctgaagacat gaaggctttt ttgctgactt 60

tggctgcgct ggtgcttttg tnccaggtca cttcaggcag tgctgaaaaa tgctggaatc 120

ttcgtggctc ctgccgtgag aaatgcatca agaatgaaaa gctttacatt ttctgcacga 180

gt 182

<210> 10777
<211> 47
<212> DNA
<213> Canis familiaris

<400> 10777
tccgcgtatt caagggattg aacaaattac cttcggtgag tggcatg 47

<210> 10778
<211> 433
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (256)..(256)
<223> n is a, c, g, or t

<400> 10778
aaagtgtgtg tatgcgaccc tcagcaattc aacagactgc acatcttcag agaagtcttt 60

gaagacattt gcaatagttc tttgatattt ggtgatatct tgaaagaaat taaggatgaa 120

tatgaactct acatggcgat acttctgcag tccacatccc catcacagta taagactttg 180

ctagctaatg ccaaggggct ggagaggagg tccgtgaaga cagcagatgt caaccaggcc 240

agggaggagc tgaggntgat tgtgacagcc accaaagaag ccctggagca taatgacaaa 300

ctcagaagtg aactagagat ggagcacaca ttgttgcaat ctgctaagga aaatagtatt 360

ttgcttttaa aaatatttct agaatcatat aagaaagatg taatggatga ggattgcctt 420

actcttattg aga 433

<210> 10779
<211> 43
<212> DNA
<213> Canis familiaris

<400> 10779
ttttgatgag agatcacatc cactcacacg agaaaaggtt ccg 43

<210> 10780
<211> 494
<212> DNA
<213> Canis familiaris

<400> 10780
ttcgtactct tttcagtgct gcacagctaa cagctgaatg tgcaatagta actttggttt 60

acttagaaag gcttttaact tatgctgaga tcgacatttg tcccactaac tggaaaagaa 120

ttgtcttggg agccattctt cttgcctcca aggtttggga cgatcaggct gtatggaatg 180

tggactactg ccaaatcctg aaggacatta cagttgagga catgaatgag atggaaaggc 240

atttttgga gctacttcag tttaatatta atgttccctc cagtgtttat gccaaatact 300

actttgacct tcgctcctta gcagatgaca acaacgtgaa ttttctgttt gctcctctta 360

gcaaagaaag agcacaaaac ctagaggcca tttccagatt gtgtgaagac aaatacaaag 420

actggtctcg agctgctatg agaaggtctt tcagcgctga taatttcatt ggtattcagc 480

gctctaatgc catc 494

<210> 10781
<211> 433
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<400> 10781
cacgtcctgt tcatgcagga aaacaaatac aaagaagcca tcggtttcta tgagcccata 60

gtcaagaagc attatgacaa catcttgaac gtcagtgcta tcgtgctggc taacctgtgt 120

gtttcgtaca ttatgacaag tcagaatgaa gaagctgagg agttgatgag aaagattgag 180

gaggaagagc agctgtccta ngatgacccc gataagaaaa tctaccatct ctgcattgtg 240

aatttggtga tagggacact ctattgtgcc aaaggaaatt atgactttgg tatttctcgg 300

gttatcaaaa gcctggaacc ttatcataag aaactgggaa ctgacacctg gtattatgcc 360

aaaagatgct tcctgtcctt attagaaaac atgtcaaaac atacgatcat gctccgtgac 420

agtgttattc aag 433

<210> 10782
<211> 212
<212> DNA
<213> Canis familiaris

<400> 10782
gagaggactg taggagactc aactcaggaa agaatgaaga acagtttgag gcattgggga 60

cctctcaagc tgagtgcctg agtcactctg ccccaattag gagaatagta gactctgtta 120

ggagcagatg tatccagctc ctgccagaga agaaacaggg tccttccgaa agcctcttca 180

gaaaaagagt aaggcgcttt tttcagtgga tt 212

<210> 10783
<211> 144
<212> DNA
<213> Canis familiaris

<400> 10783
tcctgagtca actagcactt tccaggagtc ttgcagagcc tcatctacca ccattattac 60

ttctgatatt tctggtacaa gatctgatga aggtgagaac agtcaagatg aggaaaatct 120

ctatttctct gagcccttac cttc 144

<210> 10784
<211> 304
<212> DNA
<213> Canis familiaris

<400> 10784
atggaggtcc aggaggcaag ctcttccaac aaggacttgg ggggcaagaa ggaaggaaaa 60

tacatcaaac tcacagtcgt tggacaagac aacagtgagg ttcacttcaa actgaaaatg 120

acgacccatc tgaagaaact caaagagttg tactgtcaaa gggtgggtgt taccatcaat 180

acgctcaggt ttctctttga tgggcagaga atcgctgata atcacacccc aaaagaactg 240

aacatggagg aagatgatgt gatccgagtc taccaggaac aagtagagga tcacgcaagg 300

attt 304

<210> 10785
<211> 511
<212> DNA
<213> Canis familiaris

<400> 10785
aagactggcc tgttgatgac tattctgggt gtgatcttca caaagggcaa ctgtgccgct 60

gaggagcaag tctggcaagt attgaatgtg attgggttat atgcggggat ggagcacttc 120

attttt gggg agcccaggaa gctcatcacc gaggatttgg tgaaagaaga gtacctggag 180

tacaggcagg tggccaacag tgatcctcca cgctatgagt tcctgtgggg ccccagagcc 240

tatgccgaaa ccagcaagat gaaagtcctg gagtttttag ccaaggttca ttataccgtc 300

cctagtgcct tcccagcctg gtatgaagaa gctttgcaag atgaggaaga aagagcacaa 360

gctagagctg cagccagggc tcacactgca gccatggcca gtgcacgtgc cagggccatg 420

accagtgcac attctaaggg cataaccaat gagcactcca gggccatgac caatgtgcat 480

tccagggcca tagccagtgt gcgctccaag g 511

<210> 10786
<211> 580
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<400> 10786
tgctggtcac tttcgtcgcc atggtcctca tgcagatggg ccagcccgcc ctactgtacc 60

tggtgtccag caccctgctc accagcctgg ctgtggccgc ctgccgccaa gagctcaccc 120

tcttctggac cggccaggcc agagccaaga cgcccgccca gcccgtggcg gggctccatg 180

acgccccttc atttggctct gagcagaagc aggaggagac ggcagacgtc cacacagccg 240

gcaagtttga gggggccacc ggccacctgg caggggactt ggacagcaac ctggaagagn 300

ccgaggccga ggccaccacc gcatctgagg atgaggccag tggtctggat gtccacagtg 360

atagctccga gggctggaga gatgccaacc tggaccccga cgagctgcct caggcctccc 420

ccgggtcctc ggaggagctc gtgccgctga tgccaccgcc ctcagtgctg ggccaagccc 480

gggcccaggc ccaggcccag gcccatgaca ctggcctgcc ctggatgggg ctccacaaga 540

ggaagggcgg gaaggtgcag aggagcatgt caacccacgc 580

<210> 10787
<211> 279
<212> DNA
<213> Canis familiaris

<400> 10787
tggcggcctg cctgttggag gatcccactg aggcgctgag taaccgcgtg gtgcccttcc 60

tgaagcagaa gctcctcagc accaatgatg acattcgcag caaagctgcc tgcatgctca 120

ctgtggtcag catccctctg gagggcaaga accaggtgtg gcagcatgat gtcatcccca 180

tcctggtgca cctgctgaag gacaagatgg aggaggtgca ggccaatgct gccggggccc 240

tcatgtatgc cacgatgacc acccaaggga aatatgctg 279

<210> 10788
<211> 542
<212> DNA
<213> Canis familiaris

<400> 10788
aggacattgc ccttctgaag ctcagggccc ccatatcctg gtccccgctc atccagcctg 60

tctgcctacc cagcagcaga tttgagccat ctatcggaac cttgtgctgg gtgatcgggt 120

ggggatataa aaatcctcaa gtaaccccaa agagccccta cagtcttcag gaggtggctg 180

tcaagatcat aaacagtgaa atctgccgtc agcagtacca gttcctcttc ttgaaggacc 240

agaagcagtt cattgggaat gacatgctgt gtgtcagctc agaatggggc atggactcct 300

gtcaggacaa ctctggcagc tccctcgtgt gccaggtgaa caactcttgg attcagatag 360

gggtggtgag ctggagcctt agctgcaacc ggcaccgcct cccaagcatc tataccagca 420

cctcccagtt cacccactgg atcaagaggc agatcagcga catgaggttc atcagtaggg 480

gtgatcctgc cttcctgagc ccggtcgccc gcactggtta cattctgctg gtgtccttgg 540

gc 542

<210> 10789
<211> 93
<212> DNA
<213> Canis familiaris

<400> 10789
acattttata aggactccag ttacagaaaa gcagatgtac ttccctcttc agaattatcc 60

agtaaacaac atggtaacag gttatatatc aat 93

<210> 10790
<211> 168
<212> DNA
<213> Canis familiaris

<400> 10790
gctgaagaag actttaggag tccaaatccc gaacatttgg gaatgaacca agctggaaaa 60

atcaaatgcg aagtttctgg cttcttcagg gaacaaccgt tccgtagttg gctcttccat 120

tagagtgtgg atcccttacc attgactgct gagttcatct ccaattaa 168

<210> 10791
<211> 348
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (296)..(296)
<223> n is a, c, g, or t

<400> 10791
tgatcaacag agatgcagac ttcaggaggc ttgcaaagat attctccttt tcaaaaatct 60

tgatcaggaa caactttctc aagtccttga tgccatgttt gaaagaacag tcaaagttga 120

tgagcatgtc attgaccaag gagacgatgg agacaacttt tatgtcattg aacggggaac 180

ctatgatatt ttagtaacaa aagataatca aactcgctct gttggtcagt atgacaaccg 240

tggcagtttt ggagaacttg ctctgatgta caacacccca agagctgcta ccattntcgc 300

cacttcagaa ggctcccttt ggggactgga ccgcgtgact tttagaag 348

<210> 10792
<211> 531
<212> DNA
<213> Canis familiaris

<400> 10792
aaggacacca cgtgctccaa gaagcagctc cagaccccca gtgcccagcc agctccgcca 60

gccacagact cccaacagct accaaacccc tacccatcct cctccagtct ctcaccagcc 120

atcggtctgg aagagctggt caactttgcc tcttccttgg ctgtggcctc ttccagcaag 180

atggacttgc ccaacttgga gcacatgatc aaagctccac cccagaaggc cgaggcgcct 240

tctacagatc ccaccaccca ggtggccgtg gaccagcccg agaagaaaaa gcttactaag 300

gagttgccag atagaccacc acttaaagcc agggagtcac agaaagctca gaagccacaa 360

gacaagaact tctcccaccc ttacctcgac ttcagcaagc cggggatcaa gagggccacc 420

attaaaggag aagtgaagct tctccagcca ccggccatgt cccctctgcc tcaaggagac 480

atgaaagact cggtgccggg aaccaggaaa gggagtccat tattgctgaa a 531

<210> 10793
<211> 459
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (432)..(432)
<223> n is a, c, g, or t

<400> 10793
tcgacagccg gatcagcctg gagctgtccg cctcctacgt ctaccagtcc atggccttct 60

cctncgnccg cgacgacggg gccctgagga acttggcccg cttcttccag cgccaggccc 120

gcgaggagac ccagcacgcc gagatgctcg tggagctgca gaaccggcgc gggggccgca 180

tccgtctgcg cgacgtcaag aagcccgacc gcgacgcctg ggagagcggc ccgagggcca 240

cggagcgcgc cctgcacctg gagaagcgcg tgaaccagag cctgcctgct cgacctgacc 300

tgcaccggct ggccaccgac cagaacgacg cccagctctg cgacttcctg gaggcccgct 360

ccctccgcca tccaagagct ctgggaggct acggcaccag cctgcgcagc gtgggggccc 420

cggaagccgg cncggccgag tacccgttcg acaggctca 459

<210> 10794
<211> 539
<212> DNA
<213> Canis familiaris

<400> 10794
tcatggcaac cttcaagcct tgtgaatgga atgaaagtag aagttcaaaa acaagaggaa 60

ctgagtgcgc aggaaaaaaa tattggtaca acaaggagtc aaaagcagcc aaacttagaa 120

agttcttcgg attctcccac attgcccaag ttggaggagt tctacatttc tctggtcgag 180

tcacagcagt cagcagaagg gagtcagttt gagcctagta gcattcagac tcaggtgaag 240

caaatgcagc tgtccacagc agccctcagc acaactcctg cggcagttga ttctccagaa 300

aaacactctg gttcagtgga gagctctcca gagagcctaa agaatgattt ctctagtagc 360

catgctatta cagtattcaa agataagagt catggagcca tggaccagct ctctttgatt 420

ttgtctcctg agcaccaaat ttcccagaag ctctacattc ctcggagtac agccactgct 480

gccttaggag ctgctgcacg gttagccacc tccaggagac tcttacactg gtatcccag 539

<210> 10795
<211> 574
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (421)..(422)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (449)..(449)
<223> n is a, c, g, or t

<400> 10795
gcagaggacc tgtacttgaa gacaaggctg cagtttgatg aaacagccaa gcatctacag 60

aatctggaga gcgccaccag aaaggcggtt tgtgtagctg tgaaagaatt caacaagagc 120

caggccaccg aatcactgga aaggaaaatt caagagaaaa aacaggaaca agaagacaac 180

gtggctgaga tctccaacct gctgcacggg gacctgctct nggagaaccc acagcaggca 240

gccagctcct ttgggcccca ccgtgtggtg ccagaccgct ggaagggcat gacccaggag 300

caactggagc agatccgcct ggttcagaag cagcaaatcc aggagaagct gaggcttcaa 360

gaagaagagc ggcagcgaga tatggactgg gaccgccggc gggtgcagat ggctcgagcc 420

nntctcctcc tggagcggca gcagcggcnc cagcagcgtg acctgcgcag ggccctggac 480

tgcaacaacc tcagcctggc caaggagcag cgtttgcaga aaaaacatat ggaggaaatc 540

tgtacaaatg aacccactga agactatttc acgc 574

<210> 10796
<211> 308
<212> DNA
<213> Canis familiaris

<400> 10796
aaacattatt ggtaccgttc ctcagtatat ggatatggat tctggctcag tactccaagc 60

acaaatattt aacatgattc aacaatggct tttgaagata ggcaatgaga ttaacaatgg 120

taacattgaa cttcagcgcc acgtatatga attgcacata tctatgatcc agtggatggt 180

aaacttgctg attttaatgg tgcctgactt tattgaccaa gacactctcc caaatttgaa 240

gaaggaaagt actgagaaac atgatctagg agttgcacag ttagagctag acgcgattgc 300

actgacca 308

<210> 10797
<211> 159
<212> DNA
<213> Canis familiaris

<400> 10797
gaggtactat taactaagat ggaaaacatg aagcaaagca ggtttatgta agatgatggg 60

gaaaagtgca atttccattg tgaactgcct tccagaattt atggtagacc ttcgctgacg 120

ttgctactga tgccaatgtg gaataaagta tctggagtc 159

<210> 10798
<211> 451
<212> DNA
<213> Canis familiaris

<400> 10798
gaccaagcac atatgacagc ctaacagatt cgcttgtttt aaagcaaaga ctgaattgaa 60

agttatatta tgttttagca taaactaatt tcttttgagt ttataaatca tttgtacccg 120

gaatgtatta atatattgcc attaggttaa tctgttacct gaatgcttcc atgagcacac 180

cgcgtcacct cagaactggt gcagcttctc tcctcctccc cacaagccga gcccctcgcc 240

agaaactgtc ttcataacgc cttatgcaca tacaaagcca ggagacatgg agccttgttt 300

tccaaagtca gtcttcaaat aaaaagtttt attcagatta aaatgcttaa aacaaaatgt 360

tagtttctaa ctacagggta tgtcttaatc tatatgaagc aataattgct ttatcctcat 420

gaagcaataa agtcatcagt ccatttgttc c 451

<210> 10799
<211> 468
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (82)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<400> 10799
ggttctgatt ctgagccagg aaaaggcaaa ggtcggaata ctggaaagtc tcaaacaaac 60

aaatcaacta caaatgagaa annnngagna aaaagaagaa aaaangaagg aacagcaaca 120

gagtgaagca aatgagctca ggaatcttgc ttttaagaaa attccccaga aatcctccca 180

tgccatttgt aatgctcaac atgagctttc attaccaaac ccagtgcaga aggattcacg 240

agaagaaaat tggcaagagt ggaggcaaan angatgagca gttgacatct gaaatgtttg 300

aagcagatct tgagaaggca ttgttgctaa gtaaattaga atatgaagaa cacaaaacgg 360

agtatgaaaa tgctgaaaat gcttcaactc agtcaaaagt tgtgaataaa aaagataaaa 420

ggaagaatca tcagggaaaa gacaaacctc tcacagtatc actcaaag 468

<210> 10800
<211> 521
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (350)..(350)
<223> n is a, c, g, or t

<400> 10800
tgaagttgag cctccttcag ctgaggaggt ccctgcagaa gaggccccaa ttgacgttca 60

gtctccacca gctgagacct ctcctgaagt tcattctcca ctacttgagg aggcccctgt 120

agaagaggcc gcagttgaaa tttgttctac accacctgag gaggctccta aagaagatac 180

ctcagctaga gtttggtctg aacccgctgg ggtagctctt gttgaacctc agcatccatc 240

agctgaagaa acgactttag aaatggtccc tgttgacaaa cagtttccag cagctgaaga 300

ggacttttt acacaaattt ctgtagaaga tgtccttgct gaagttcagn ttccaccatc 360

tgaacacact gctgcagatg agcctttggt agaccatatg tctactgaat atcaacatct 420

ccagacagca gatgtcccag tggtaaaatt agaatcactg gttttggaag atcagcaaaa 480

acctgaagag cctttggaac tagatcctgt ccctgaagat t 521

<210> 10801
<211> 526
<212> DNA
<213> Canis familiaris

<400> 10801
gatgttccta ttactgtcta tgcaacaatg cgaaagccac ctgcacaaag cagcaaggaa 60

atgcatccta aatagcatca ttaagtcttt tgtagaggtt tgactaggtc aagggtaatg 120

ggccagtatc atcttatgat ctggtaaaac aaataaaagt ggtggcacct ttggatgatg 180

acagcagttg aaatatttta tttttagtag gagaagacac agtgtcatct ggaacacgtg 240

tagtgataag ccatcagtta tgtttgatag ataagacgga atgatatttc acaattagaa 300

tgcactctag tgatcatctt gctcacagtg gatcattaat atcaataact gaagatgaag 360

gttaatctac cttgattatc agtcatgaag gccctgttct aaatacttat tgtatcctag 420

gctggtgtcc tttgtttgta tttgggttgc cacttagctg aatcctctca cttgaatacc 480

ctaagccagt tcctggcttg atatcttttg ataacgctct gcggta 526

<210> 10802
<211> 478
<212> DNA
<213> Canis familiaris

<400> 10802
gaggaatttc ctgctgacca atcaaagcta aagggcgtgg ctccccattg tccctggagg 60

gtatataaag ggctcagggg ccctggagag ggccagtgtt gctacaacat ggcggaggtt 120

attgaggcag tgctggggtc taattcagat gctgaaaaca aaaccgaaat cgcagatgtg 180

agaaaagttc cagaaatcaa agagaggaag acccccttgtc aatcgaagga caaagaacgt 240

gagaagctgc ggaagatact tgcaaaagtt aaatcggccc ttcaggacaa tgtagaaaag 300

cgtaagaaag gaaggaaatc gaccatactg gtctgttacc gcagacacag caaagtgaag 360

actgaaaatc agctgaagat gaagacggaa gaagaaagcc tgtccccact ccgggcaaca 420

ccctatgcct gccaggggcc aaagatctca aagtagctgt tacctcccca gaaaaagc 478

<210> 10803
<211> 410
<212> DNA
<213> Canis familiaris

<400> 10803
gaaaaacgcc gtgagtgtgc atcatgcgct ggcatccaag gccacagact acgagaagaa 60

gccaaatgtg cttaaactta aaacggctga ctggagggtc ttgctttttc aagcccagag 120

tccagaggaa atgcaggggt ggataaacaa aattaattgt gttgcagctg tattttctgc 180

accaccattt ccagcagcca ttggatctca gaaaaagttt agtcgtccac ttctgcctgc 240

cactacaaca aaattatctc agaaaacccg ttatgaaatt tatgtcagca ttctaaaaga 300

aggaggcaag gagctcctga gtaacaatga aagtgaggct gtaggattga agaagtcaca 360

ttcaagtcct tcgctgaacc cagattcatc tccagttaca gccaaggtca 410

<210> 10804
<211> 542
<212> DNA
<213> Canis familiaris

<400> 10804
gtgaagctac tttggatttg ggacaagatg gaaaaacagc aatacaaatc tgaagttcat 60

aaagcttcat taataattga tttatttggg aatgagcatg ataattttac aaaaaatctc 120

gaaaatctca tgtctaccat acaagagagt tactgttcca actggcgatg cccaactcga 180

gtgcaggaag atcagcaacg cacaattaat ataaatcctc cccaagaaat tcctcatgga 240

aacttgatac gactggctgt ggatgagtta ttctgttcca ggattgaact gtgtgaagag 300

agtgggtgtg gtggcttaag agaatttcc cagcgagttt tctgccatgg ggcacccccc 360

tttgttgtct taaatatgca gcattggaaa tctgaagatc tggcatatgt accatattac 420

ttggatttat ctgatcacaa gtacttgttg gaaggtgcca cattatttaa caaagaggaa 480

catcattatt ctgcagcttt ccagattgat ggacattgga tgcactatga tggcctcaga 540

aa 542

<210> 10805
<211> 162
<212> DNA
<213> Canis familiaris

<400> 10805
tggaaccatt gagctcctaa ccatggggaa tttggggaat tacagacctg aggggatttg 60

aaccacctat atccaagtca tgggcattcg gtgttgtaag gatggccagt tttgtgaaat 120

cgtaatagaa gagattgatg aaaccacatt gctgaaagag aa 162

<210> 10806
<211> 353
<212> DNA
<213> Canis familiaris

<400> 10806
aggaagcatt gaaaggatga aacaaaatct gatgggaatg caagctcacc ctacagattt 60

aagagagaaa atgagaaagg aactaacctt tgaagagata agtagtactc tgagcaatcc 120

agatcacttt caacttttat tgccaaaagg cgaagtttca agcaaaaaaa gatgtctgat 180

tgaggagatt tccagtacag agatccaggt agagatgaag gaaccaacct atgaattaaa 240

aattgtggct gaccagaagg agaaacctca gaaaattgaa ataaaagttg aattacctgg 300

tattaattca gtgtctctct gtgaccttag tgtttctgag gatgatttat tga 353

<210> 10807
<211> 408
<212> DNA
<213> Canis familiaris

<400> 10807
aaaaattcca attcactctc tcacactctt acagtatcac taaatttaga ataaaaggaa 60

gcattgaaag gatgaaacaa aatctgatgg gaatgcaagc tcaccctaca gatttaagag 120

agaaaatgag aaaggaacta acctttgaag agataagtag tactctgagc aatccagatc 180

actttcaact tttattgcca aaaggcgaag tttcaagcaa aaaaagatgt ctgattgagg 240

agatttccag tacagagatc caggtagaga tgaaggaacc aacctatgaa ttaaaaattg 300

tggctgacca gaaggagaaa cctcagaaaa ttgaaataaa agttgaatta cctggtatta 360

attcagtgtc tctctgtgac cttagtgttt ctgaggatga tttattga 408

<210> 10808
<211> 387
<212> DNA
<213> Canis familiaris

<400> 10808
aaacagactg taatcccatg gagctgagta gcatgtcagg gtttgaagaa gatgcagagc 60

ttaatggttt tgaagaagct gatatgaaag acatgaagct agaagctgaa gcagttgtaa 120

atgacgttct ctttgctgtt aataacatgt ttgtctccaa aaacctgcgc tgtgctgatg 180

atgttgccta tatcaatgtg gaaacaagag agaggaacag atactgcctc gagctcactg 240

aagcagggct aagggtggta ggttatgctt ttgaccaagt ggatgatcac ttacacactc 300

cctatcatga aactgtctac tcgttgctgg atacactcag ccctgcctac cgggaagcat 360

ttggaaacgc actccttcaa agactgg 387

<210> 10809
<211> 471
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<400> 10809
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ggagggacac atgagctaag gaatgaactc agggnagtga gggaagagct caaggaaaaa 120

atggacgaga tcaaacagat aaagggcgta atggacaagg attttgataa actccaggaa 180

tttgtggaga ttatgaagga aatgcagaag gatatggacg agaagatgga tgttttaata 240

aatatacaga agaacagcaa gcttcccctt agaagagggc caaaggaaca gcaggaactc 300

agactgatag gaaaaacaga cacagacccc cagctccggc tcaagaaaat ggatggagca 360

gatggaacac cactctctct tcacaagaag atcatggccc tacaaaagac aaagaaggac 420

cctctggatt cccttcatca atgtgggacc tgctgcgtaa gtgaagcctt a 471

<210> 10810
<211> 61
<212> DNA
<213> Canis familiaris

<400> 10810
ttggcaaaag gaatatacat gacgcaagca gctatgacta tggaagcatt ttcagatgag 60

g 61

<210> 10811
<211> 312
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<400> 10811
aggatgtgag cactggttga ccccagagcc ggacccaggc aattggangt tccacatgcc 60

ctntccattc ttggaatgta cattctactc acccctncca cagtgggnga tgttttcaag 120

gacacagtgg gagggagcaa tgtgtaattg agactatctg gatggcatat gtgatggagt 180

cccattaaga tctctctgta aactattaag attcttgcag gtgctggcct cgtggttgcc 240

caagggcatc aaagttatta tgtatggaac cctaacctca aaggattact ctggagattt 300

ccttttaagg tg 312

<210> 10812
<211> 171
<212> DNA
<213> Canis familiaris

<400> 10812
aaaatgctct tcatccagga ctaaagtcaa gttttaagaa gaaaagcaga aaacaaagaa 60

attgacaatg aagtaactaa gagagtcaaa gatttctgac aaggctcaaa atgacgagta 120

ttttatcaag gggaactgga ttgactgacc aagtacaatc ccagataaat a 171

<210> 10813
<211> 294
<212> DNA
<213> Canis familiaris

<400> 10813
aagactttct caatccttct tccaaccatc ccctcctcct aactgacttc taagtgaaga 60

aggaagctgt ataattcttt actcaccaca tgctctaccc agtcactacc acaataggca 120

agagagatgg aaagactgac agaaaaacga aaaaagggag acctgaatca acacacgaca 180

cagggcagaa aaagtggtga aggtgtgatg aatccgaagg accaatgctg tagccgtcag 240

taaaacatac actgtgagca attcactaaa tggacatact ctttcattta atga 294

<210> 10814
<211> 288
<212> DNA
<213> Canis familiaris

<400> 10814
aaacttgata gttccctctg tggctgcaga ccatcacaca gatgacttga ctgaagcctc 60

cacaactctg tctggttttg ccggtgtcaa gcttggcaca ggctctgtca agaaattagt 120

aatcagaaac tttaaagata aacccttgat actggaaaac tacactgaag aggcatggca 180

aaaactaaaa gaagctgtgc aggctatcca gaacaatacc tctgttcagt acagcttgga 240

agaactctat cagagtgtta aaaacctttg ctcctacaat ttatctgc 288

<210> 10815
<211> 548
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<400> 10815
gaagtggaga aagcctgtgc caacccagct accggttcag ttatcctact ggagaacctg 60

cgttttcatg tagaggaaga aggaaaaggc caagattcct ctggaaataa gcttaaagct 120

gagccagata aaatagaagg cttccgagca tcactatcca anctagggga tgtctatgtc 180

aatgatgctt ttggcactgc tcatcgggcc cacagttcta tggtgggagt gaacctgcct 240

cagaaggcat ctggattnct gatgaaaaag gagctggatt actttgccag agncttagaa 300

aacccagaga gacccttttct ggctatactt ggtggancta aagtggcaga caaaatccaa 360

ctcatcaaaa atatgctgga caaggtcaat gagatgataa ttggntggtg gaatggcttt 420

taccttcctt aaggtactca acaacatgga tattggtgca tcgctctttg atgaagaggg 480

ggccaagatt gtcaaagaca tcatggctaa agccaaatca aatggtgtga acattacctt 540

tcctgttg 548

<210> 10816
<211> 520
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

<400> 10816
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actgaaaatg cttcaggaag gtgaaatgaa agataaagca gaaatacttc tgcaagttga 120

tgaatcacag agtatcaaga atgagctaac tatacaggtg acttcacttc atgctgcatt 180

agaacaagaa agatntaaag tgaaagtatt ncaagcagaa ctagccaaat accagggtgg 240

cagaaaaggg aaaagaaact ctgaatccga ccagtgtagg tgattncgtt agcctatgag 300

gtcaacacaa aaattaaaac tttcagggtt ttgcaaaaat gtatatattt aatgctgtgc 360

aactgctaaa ctatgcagtt tttgttggag aaagttaaaa tgatgagctc actaacagtc 420

tataatttta tgacctttg gcttaaagtg gaaagaagaa aaatagaatt ccagcagaac 480

tcaatgatta ttntttacta tccatacttc ttatcacttt 520

<210> 10817
<211> 451
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(295)
<223> n is a, c, g, or t

<400> 10817
aaggatgttc aagatgggcc acacaaagaa gtcaaattgc ctactagtga agcacttcta 60

gaataccact gtcaaataaa ggaaaatgca gtagaacgat atatggctca aataaagaga 120

cttagagaaa agaaccaaaa atatcatgaa agaaacaaac gcttgaagga tgagcagact 180

tggcacatac agaaccttct aaaggagctg agtgaagaga agtcagaggg gttaccagtt 240

gtcacaagag aagatgttga aaaagcaatg aaggaaaaat ggaagtntga gaganaccag 300

gaagaaaact tgaaagatat gcgcatgcaa ataactaatg ctgagaagct atttcttgag 360

aaactcagtg aaaaggaata ctgggaagaa tataagaatg tagggagtgg acaacatgct 420

aaactcatta cctccttgca gaatgacatc a 451

<210> 10818
<211> 542
<212> DNA
<213> Canis familiaris

<400> 10818
gagtccacag atgcttttga ggccagcaaa aaggaagcca gaatgtgtag gcaagagttt 60

gaacaggtga aaaaaaggag atatgacctt ttcagccagt gttttgagca cgtttcaatc 120

tctattgatg aaatctacaa gaagctctgc agaaacgtca gtgcccaggc atttcttagc 180

ccagagaacc cagaagagcc ttacctagag ggaattagct ataactgtgt ggctccaggc 240

aaaaggttca tgccaatgga caatctgtca gggggagaaa agtgtgtggc agcattagcc 300

ctcctgtttg ctgtgcacag ttttcggcct gctccattct ttgttttaga tgaagtagat 360

gcagccctgg acaacacaaa cattggcaaa gtctcaagtt acatcaaaga gcagactcaa 420

gagcagtttc agatgataat catttcccta aaagaggagt tctattccaa agccgatgcg 480

ctgataggcg tctatccaga gcatgatgac tgcatgttca gcagagtttt gaccctggat 540

ct 542

<210> 10819
<211> 213
<212> DNA
<213> Canis familiaris

<400> 10819
tgtgctccag caaccagaac agaagcatgg aggcacacaa catcctcaac aagcggggat 60

tcagcgtccg gtcttttgga acggggaccc atgtgaagct cccggggcca gcgcctgaca 120

aaccaaatgt ttacgatttc aagaccacgt atgatcagat gtacaatgac ctccttcgga 180

aggacaaaga tctctacaca cagaacggca tat 213

<210> 10820
<211> 527
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<400> 10820
atactctaac atgtggaccc tttattgtct aactgatatg aatcaacaga gtcgcccatc 60

accgccacct gcacctgggc ctttccccca agcaaccctc tatttatcta atcctaagga 120

tccacagttt ctgcagcagc caccgaaagt tacttctcca acttacgtga tgatggatga 180

cagcaagaag accagtgccc cacctttta tttagtaggc tcgaatgttc aggaagccca 240

ggattggaaa cctcttnctg gacatgctgt tgtttctcag tcagatgcct tgaagagata 300

cgctgcaata caagtaccca ttgctgttcc tgcagatcag aaattccaga aacatagccc 360

aaaccccag aatggtagtc ctcctacaag tggacaagat gtccccagtt ttctttctgt 420

tgcattccca gtagatgtag ccaaaaaagg ttcaggatct ggtgacaaac gtactccctt 480

tggaagttac ggtattgctg gagaaataac cgtgactact gcccatg 527

<210> 10821
<211> 248
<212> DNA
<213> Canis familiaris

<400> 10821
tacgtgacca gcacgcactt ctggggtccc ctggccaact ggggcctacc gctggccgcc 60

attaaggaca tgaacgcatc gcctaccata atcagtggcc ctatgacgac agcactcatc 120

ttctactcaa tggcattcat gcgtttcgcc taccgtgtac agcctcgaaa cttgctgctg 180

ctggcgtgcc atagcaccaa cgtggtggtg cagagtgtgc aggtgagccg ctacctaatt 240

caccagta 248

<210> 10822
<211> 35
<212> DNA
<213> Canis familiaris

<400> 10822
tttgattcag gtatgcttct tactaactaa gcaac 35

<210> 10823
<211> 419
<212> DNA
<213> Canis familiaris

<400> 10823
aaaaagactg aattggctct ggccaagaat tacccaggaa aaaaagtatc cagtactaac 60

aacactccaa ttccaaggct gacctccaac ccatctcgag ttgatcgctt aattgtggat 120

gaactacggg aacaagccag agttgtgact ctactaggca aaatggaacg tcttcgaagt 180

tctccccttc atgccaatat ctctactgct cttgatagac acttggggtc cattcacatt 240

gtacagtcac gtagaaagga tgaaattgtt aatgcttcaa acagacaaag gcaaggagtt 300

cctagatgcc aagatgacag agatgttttt gcccttgctt cagcaattaa agagatgtgt 360

gtggctactc ggaaagcacg tactaccctg tggtgtgcac tgcagatgac cttgccaaa 419

<210> 10824
<211> 524
<212> DNA
<213> Canis familiaris

<400> 10824
gaggaccaag tccagatggc cgactatgcg cttaaatcag caggggcctc tattgtggaa 60

gccgggacct cagaaagtta caaaaataat aaagcaaaac tttactggca tgggattggg 120

ttcttaactt atgagatgcc tccagatatt atcctccagc cggacgtcca ccctgggaag 180

tgctgggcct tcccaggttc ccagggtcac gccctgatca agcttgccag gaagatcgtg 240

ccaaccgccg ttaccatgga gcacatctca gagaaggtgt ctccctcagg gaacatctcc 300

agcgcaccca aggaattttc tgtctatggc atctcgaaac agtgtgaggg agaagagatt 360

ttcctaggtc agttcgtata taacaaaaca ggaagcactg ttcagacatt cgagctccag 420

catgatgttt ttgaatcctt attatgtgta aaactgaaaa tcctcagcaa ctggggacac 480

ccgaaataca cgtgtttata tagattcaga gtccatggca cccc 524

<210> 10825
<211> 409
<212> DNA
<213> Canis familiaris

<400> 10825
acccgcattt tcttctatgt gaggcggagg gtgcagcgca tggcagagca cgtcagctgc 60

cacccgcgat accgagagac cacactcagc ctggtcaaga ccgttgtcat tatcctgggg 120

gcgttcgtgg tctgctggac tccaggccag gtggtgctgc tcctggatgg tctgggctgc 180

aagtcctgca acgtcctggc ggtggagaag tatttcctac tcctggccga ggccaactca 240

ctggtcaacg ccgtggtgta ctcgtgccga gatgctgaga tgcgccgcac cttccgccgc 300

ctcctctgct gtctgtgcct acgccggtcc acccacgagt ctgcccgcta tgcaccctcc 360

gcccgaacag gtgccagcac tcgcatcatg cttcctgaga atggccact 409

<210> 10826
<211> 433
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (368)..(368)
<223> n is a, c, g, or t

<400> 10826
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ctggtgaaga aaattggcaa agccgtggag gactcgaagc cctactggga ggcgcggagg 120

gtggcgaggc aggctcagct ggaagctcag aaagccacac aggacttcca gagggccaca 180

gaggtgctcc gtgccgccaa ggaaaccatc tccctggctg agcagcggct gctggaggat 240

gacaagcgac agttcgactc cgcctggcaa gagatgctga atcacgccac ccagagggtc 300

atggaggcgg agcagaccaa gacgaggagc gagctggtgc acaaggagac ggcggcccgg 360

tacaacgnag ccatgggccg catgcggcag ctggagaaga aactcaagag agccatcaac 420

aagtccaagc ctt 433

<210> 10827
<211> 331
<212> DNA
<213> Canis familiaris

<400> 10827
ccagccacca gaaatccgtt gaaatttgtc cccagggact ggtgttcgca ggatcttccg 60

aacaggattc caacttggcc aagcagttct ggatcgctgc gtcactgtat cctactactg 120

aatcccagtt ggtgctgccc cgaggtagca gccagcgcct gcgggtggcc cggccctcta 180

ggccccctgg gcatggtgaa ttgaatttga ctttatttcc tttagagaat acagatgtca 240

ctgctgaaac cataaagatt caggaatctg aggagaaaga aaagtatctt caaaaggcta 300

aaaggagaga tgagattcta caactcttaa g 331

<210> 10828
<211> 568
<212> DNA
<213> Canis familiaris

<400> 10828
gatacaagca tctcatcagc agaaccaaag agcaaaagca gcctccactt gctggcccat 60

gaaacaaaaa ttggatcttt cttaagtaac aaaaatctag atgtcaaaga caaagctggt 120

ctttgtccag atggtgatat ggaaggggat tctttctttg atgatcccat tcctaaacca 180

gagaaaactt atggttggag aagtgaacct agtaagcaag caggaagcct tgcatcactc 240

tctgatgcgc cccctctgaa aagtggactc agctcccttg ctggagcccc ctcactgaaa 300

gactctgaaa gtaaaagagg aaacgcagtg ttgaaagatc tgaaactggt caatgataaa 360

attggatcgc tcgggttagg cactggagag gaagatgact acattgatga cttcaacagt 420

accagccatc gatcagagaa aagtgagctg agtattggtg aagagatcga agaagatctt 480

tctgtggaaa ttgatgacct caataccagt gataaacttg atgacctgac acaggacctg 540

actgtgtccc agctcagtga tgttgcgg 568

<210> 10829
<211> 510
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (431)..(431)
<223> n is a, c, g, or t

<400> 10829
gtgactgagc tgatggaaac tgtaaataag acagaagcag gtcaagtggg taaaaacaca 60

gtccctgcag agcaggagaa aaataatgaa cactccttcc aagatattga tgataagtta 120

tctgaatcaa cagatgatga tggtgaagat gataccaatg atgaagatga tgaagacagt 180

aaccctaata aggatactca tgccccatta gagttaatgg cagaattcct acgagcagaa 240

atgggtcaag actaccattt ggcaaaaaaa ttatgtcaga tgatcctaat ctatgaacca 300

gaaaatcctg aggccaagga gtttttctcc cttattgaag aaatgttgct gatggagaaa 360

tctcaaaatc ttgaggaaga tgatgaagat agtgaagaag acagtagcgg tgagagtgaa 420

ggagaaagca ntgaggagtt aagtgaagaa agttctgatg aatgtgaaga cgagtgatga 480

aagttgctgc tgtggttcaa tcttcatgta 510

<210> 10830
<211> 547
<212> DNA
<213> Canis familiaris

<400> 10830
gcaacgggaa gctgtatatc gtgatggagg cggccgccac cgacctgctg caggcagtgc 60

agcgcaacgg gcgcatcccc gggagtcagg cgcgcgacct cttcgcgcaa atcgctgggg 120

ctgtgcgcta cctgcatgac caccacctcg tgcaccgtga cctcaagtgc gaaaacgtgt 180

tgctgagccc cgacgagcgc cgcgtcaagc tcactgactt tggctttggt cgccaggcac 240

acggttatcc tgacctgagc accacctact gcggctccgc cgcctacgcg tcgcctgagg 300

ttctcttggg tatcccatac gaccccaaga agtacgacgt gtggagcctg ggcgtcgtgc 360

tctacgtcat ggtcaccggg tgcatgccct tcgatgactc ggatatcgct ggtctgccca 420

ggcgccagaa gcgcggcgtc ctctaccccg atggcctcga ggtgtccgag cgctgcaggg 480

ccctgatcgc agaactgctg cagttcagcc cctctgccag gccctcagcg ggccaggtag 540

cgcgcaa 547

<210> 10831
<211> 253
<212> DNA
<213> Canis familiaris

<400> 10831
aaggcaaatg gtgcttcacc ctgacctcgc ataccaagat aacctccaag gaaccactgt 60

ttgatctgct catcttttat tgaagttacc tcactccaag agtgggagct tgagctctca 120

tagaaaattg acaaccagag agtcttctaa ctttgggaac ccagagttca tccccctcag 180

ccctgtcatt ctcctgttga gtatcttacc agctgcaca tgatgactgt gtggtctaga 240

acccagtcct aaa 253

<210> 10832
<211> 460
<212> DNA
<213> Canis familiaris

<400> 10832
aaaggtgcag attctctgga ggatttttg taccatgaag gatatgcttg taccagtatt 60

catggagatc gatctcagag agacagagaa gaggcccttc accagttccg ctcaggaaaa 120

agcccaattt tagtggctac agcagtagca gcaagaggac tggacatttc aaatgtgaaa 180

catgttatca actttgactt gccaagtgat attgaagaat atgtacatcg cattggccgt 240

acaggacgtg taggaaacct tggccttgcc acctcattct ttaacgagag gaatataaat 300

attaccaagg atttgttgga tcttcttgtt gaagctaaac aagaagtgcc atcttggtta 360

gaaaacatgg cttatgaaca ccactacaag ggtagcagtc gtggacgatc taagagtagt 420

aggtttagtg gaggatttgg tgcccgagac tatcgacaaa 460

<210> 10833
<211> 588
<212> DNA
<213> Canis familiaris

<400> 10833
gaaatgctac aaacaggcag ctgacaaagc tagagaagat ctgctgaaaa ctcaaaaaga 60

acgggatttt caccgaatgc accacaaacg aatagtccag gaaaaaacta aattaattaa 120

tgacctcaaa gggttaaagt tacattatgc atcgtatgaa ccgactatca gggtgttaca 180

agagaagcac cacactttgc tgaagcagaa aatgctgacc tctctggaaa gagacagagc 240

agttgggcag atttctgggc ttcaagcaac actgaagcat atggaaatag ggcataatta 300

ccatgcttct gcaactagag acactaagaa taaattctgt tatcttgtag ttggtcctaa 360

ctctgaaaaa gaaaatgcac cagaaggtcc tactcagaaa ggtcttcatg aagccaggga 420

aaaaatccaa agtaaaacaa aggtaaaaga taatacaaag gattcagaat ttcccacaga 480

tatgcaacct aatccaaacc tgtatttaca taaagaaaat atttgtccag caaaatttga 540

ctacaagctg aatagcattt ttagacttca tgaacttcca gtgagctg 588

<210> 10834
<211> 578
<212> DNA
<213> Canis familiaris

<400> 10834
attcattttc ccaaatttca cctcgggatt taatgatcaa gttcactttc attgtgatga 60

gggttatcac ttagaaggag aagcaatttt gacttgcaac cttcaaggag atgaggtgta 120

ttggagtgat gaattcccac aatgtgaaaa gatttactgt caaccacctg caaaaataaa 180

aaatggaaaa cacaccaata gccacagaac tatttttgaa tataatgaat taattacttt 240

tagttgtaat cgtttaaaag gatcagatca atattccctt gttggagaaa gagaacttac 300

ttgtattgag aaaaacaagt ggagtagtcg ccctcctcag tgtaaagtgg tcaaatgtga 360

ctatccagta attgaacatg gaagactgat atcaggaatc aaagaaaaat attactacca 420

agcaatggtt ctacttgaat gcctcccagg cttctatctt aatggcagca acagagtgtt 480

ctgtggtgag aatagtactt gggatcctaa aataccaaaa tgtattaaag gtttcaagcc 540

tactcatcca accaaacctc cagtttcaag atatccag 578

<210> 10835
<211> 543
<212> DNA
<213> Canis familiaris

<400> 10835
gtggcttctt cctcactgga tacaactagt aaaatctggg atgttaacag tgaaagatgc 60

agatgcactt tgtacggaca tacagattct gtgaacagca ttgagttttt tccttgctcc 120

aacactcttc tcacaggttc tgcagataag tccctgtcta tatgggatgc aagaacaggt 180

aactgtgagc agtcacttta tggtcacatg cattctatca atgatgctac cttcactcct 240

aggggtcaca tgatagcatc ctgtgatgct tgtggagtaa caaaactatg ggactttcgg 300

aagctcttac caattgtgtc cattgatata ggtccaagtc ctggcaatga ggtgaacttc 360

gattcatcag gtcgagtttt agctcaggcg agtggcagtg gggttatcca tttgctagat 420

cttaaatcag ggcaaatcca caaattgatg ggccatgata gtgaggctca cacagtcgtg 480

ttttctcatg acggagagta tttgttttcc ggaggctctg acggcactgt tcgaacgtgg 540

tct 543

<210> 10836
<211> 558
<212> DNA
<213> Canis familiaris

<400> 10836
agaataaaag ctccactgct tcctctgtgg cggcctcctc cccgcagtcc ggagggaaca 60

tccaggaggt acagagaaaa aagtcccaaa aatgggatga atccaacatc ctggcaacac 120

accgtcgggc ctacagagac tatgacttaa tgaagataaa cgagcccagc agcccccact 180

gcggccagcg agactacgga gaagacccag ggagcgactt ggacgcaaag gacaccatga 240

gcccggacgt cgtagctaag aaactggccg ccagcgggac ctcgcgatgg agccgtcagg 300

tgggggagcc cgacagtgat ggagcacaca gtagcaagac ctttttcgac gcgcaggaaa 360

agcagcggca gttcgaaatg aaaaggaaac tacaccacaa cgaaggcctg aacatccagc 420

tggccagacg actcatctcc aacgacctgc agcacgagaa agacgaggat gacaacggag 480

gagcaccacg tggtgccagc gaacacagca ccggcctgga agagtcctcg gatgaagttt 540

ctacaagcga cgaaccgc 558

<210> 10837
<211> 562
<212> DNA
<213> Canis familiaris

<400> 10837
tcatagtggc tggtatcatc gtgtagagaa caatggctgg aggcctgtct ctgatacatt 60

ttggatgtct actgaaaatg tagagttgga agacaaaaaa gaaactgaat tccatttctc 120

taaactaaag agaaggcagg atatggaaaa gaaaagaaaa attagaaaaa tagaatggat 180

gagaaaaatg tactatgcag gaagcctaca ggctaagtca acaaatccta aaactctaga 240

tttaattcac acagcaaccc aggggctcat gagatcagtc gaaggcagtg gaatagatgc 300

tgtgatggaa tgggaagtgg atgaagtgct aaactggaca aatgcactga actttgatga 360

gtatattgcc aactggaagg aaattgctac aagcaactct tcagctaact tcacaagttt 420

cacacttgag caagcacaga aaaaaagata tgactatgca gatatgtcag aggagaaaat 480

gggaacacca gaagatactt tatatggaaa tatttttaaa aaaccaaatt atgctagact 540

aacgcctgat tccacttatg ga 562

<210> 10838
<211> 442
<212> DNA
<213> Canis familiaris

<400> 10838
gggtcgtcag aattattccg ccgaggtgga gtcctccatc agctgcctgg ccaacatgca 60

cctgcgggcc tccaacacct acctctccct ggccttctat ttcgactgca gcgaggtggc 120

tctggaggcc ttgggccact tcttccgcga gttagcccgg gagaagcacg agggcgccca 180

gcggctcttg aagttgcaaa cccagcgcgt cggcaacgcc ctgttccagg acgtgcagaa 240

gccgtcccac gacaagtggg gcaaagccct ggacgccatg gaaactgctg tggtcctgga 300

gaagaacctg aacgaggccc ttctggatct gcatgccctg gcttctgccc aggccgacgc 360

ccatctctgt gacttcctgg agggccactt cctaggccag gaggtgaaac tcctcaagga 420

gatgggcgat cacctgacta ac 442

<210> 10839
<211> 580
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (510)..(510)
<223> n is a, c, g, or t

<400> 10839
gatgggtaag agcaatgtcc tctctgatgt aataggcctt ttaatggtga aggaaatttc 60

caattctgaa tttcaacctc cagtagagga caaagtatca agttcggaat tagttctgga 120

agctgtcaaa atcatagaaa aagtgctcag aattgttgat gagtttaagt ccggggaaaa 180

gtcttcatcc aaaaagcatc ctatgctaga cgccaggctt gtagaggaag cactggcctt 240

gttcttggct aaaatagtaa ggttgcaaag tatctcatgc aaagacgcaa aaaatgtatc 300

aaagcctgag ttaaacaaaa ttgtatccca actgatgaaa tctgtgacag ctgaaatttc 360

ccagagtaac attaatcttg ttgctgctga tcctgaatat cttttaaatt cagaaagtat 420

agaaatgatt tctcaggtta ttgattctgt ttatagtaac gtactgcaac agtctggaac 480

ccaggaggaa ctttatgatg atctaaaagn tacaaacact gttttcccta aaaaagtggc 540

tagtttaatc attaatggag tttcacatct tccagtagat 580

<210> 10840
<211> 539
<212> DNA
<213> Canis familiaris

<400> 10840
tgttgtcagt ccacatccag tgtaaatatt gaatgtattg aagcaacctc aaatcacata 60

atagaaccta aggcgagaaa agttaaaaga actattgctg agcttgacat ggctatgtgc 120

tcaagaaaca tgactgaaac aggctcttgg gagaaaaagc cacagagtaa gaaagaagac 180

aagactctta ataatgaacc aacacattac ttcatacata gaattatgag ttcatcctca 240

tacaaccaag aagatctgat ttcatctgcc agacacgcct cagaattctg gggatctctc 300

ccatttcagt tttgttcccg tggaaattct caggagcaaa ggccagagaa ttcaaacagt 360

cttaagttta tcaccatctt tgaaggaaac aagaatattc atggcagtgg gtattcctca 420

aaagaagtca tttcagaaac tgccaagcca agtatttcca aacaaggatc taaaatgctg 480

gcgaaggtat cttcagctct gtcaaaggtg ttttctcgaa ctaacaccaa tatctccaa 539

<210> 10841
<211> 230
<212> DNA
<213> Canis familiaris

<400> 10841
gaaattacaa tgtctaccag ccgcaaatta aagagccatg gcatgaggag gggcaagaac 60

cgagctcctc acaagggagt caagagaggt ggcagcaaaa gaaaataccg gaagggcagc 120

gtgaagagta ggaaacgggg cgatgatgcc aatcgcaatt accgctccca cttgtgatgc 180

cacccgtggg ctctgtcctg gtggacttca cacagcacca ggcagcaaag 230

<210> 10842
<211> 172
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<400> 10842
actaatattg gtactgctgg tgttcccacc acagtccaga gggtcttaga agaggatgag 60

agcttaagaa cttgccttag tgaanatgca aaagagattc agaacaaaat agaggtagaa 120

gcagacgggc nnncanaana nattttggat gctcagaacc taagttcaag aa 172

<210> 10843
<211> 515
<212> DNA
<213> Canis familiaris

<400> 10843
atctgcatga gaggccaaac tttgaagatt ctaaaactac agagtcacca ctgttgttac 60

aagaaatagc cctcagaagt aagcctataa ctgaacaata tcaaggactc gaaagattct 120

ttgtttttga taacaatgaa agactcaact tacttccttc tcatagctta gaatgcagct 180

attccagtac taggattaca attgcaggag atggagagtg gatgccagac catagcgtaa 240

gtgcatttgc tgataatgca gttgccttgg gtgttctgca gagtgcccag aacccatcag 300

tgagtagaac agagcagaag atgggccaga taccgcagag accttcaaca gcaaatttac 360

ccctttccag ctctgttaaa aaaagttcca gctgccttgg ctcctcccat cctcgatcaa 420

aaagtgcagc tgctcgatca ttatctagag ctgcttctga aatttcagaa attgaatata 480

ttgatattac tgaccacaac gagcctttct tagat 515

<210> 10844
<211> 564
<212> DNA
<213> Canis familiaris

<400> 10844
ccgactcttc catcaggaca agcagctgct actgtcctac ctggaaaagt gtttgcagcg 60

tatctcccag tcacctgctt gtccctgggg tccagtcacc acctactgcc actccctcag 120

ccctgtggag aacacagcag agaccagtcc tcagggctgc ccccgctaca agaaaaggcg 180

tactgaaggg gatgtctctt cgtctcagga agaaagcctg cagctgaaca gcatcccacc 240

cacacccacc ctcacctcga caggcatcaa gaggaggcag cccctgaggg ggttggaaga 300

ggtggaggaa gaaggccgct cagaaccaga gctgacccag ggccaacccc tgtcaggcaa 360

ccagaggtca aggttctcaa gtccacagca tttccagact ctcctcaacc cttcaggtcc 420

tggtttgggc aaccggctga cccgcctcag cctcatggaa gaggatgaag aagagttgga 480

aattcatgag ttaagtgagg aatggcaaga aacagacaag cacacttccc ccagtgagca 540

cgggctggac ctcttagatt ctac 564

<210> 10845
<211> 446
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (237)..(237)
<223> n is a, c, g, or t

<400> 10845
gttttctgat gatactctag caaaaaagag ctctacaatg ccttttctca gggaacctct 60

aatggaaaaa gtattttcat acctgtcaac aatttcatta gaagactgta ctgaaaatga 120

actgaatatg acactttatg atgatcagaa agatgacagc attaaggaaa tattttcacg 180

aagacataca gaggttgaaa tacaaaacct tcaacacaat attgaatgac ttttttnctt 240

ttgaaacttt gttacactga aatcatggaa agttaaaact aaattaccag cttctgagtt 300

tcttaacatg ctcatactat tacttttctt gtcctttacc gttgagtggt cctacttccc 360

tcaccaattc ttatttctag aaacaaaatt ataggaagaa tagagtgaca tcatgaacat 420

taagcttaac tccttgtatc tcatca 446

<210> 10846
<211> 482
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<400> 10846
atggacttct ggtgtgcccg actagccacc aagggctgtg aagangttcg agtgtccggc 60

tggctccaga cagaattcct tagcttccag gatggggatt tccccaccaa gatttgtgac 120

acagactatg tacagtatcc aaactactgt gccttcaaaa gccaacagtg cctgatgaga 180

agccgggacc ggaaggtgtc ccgtatgaga tgtctgcaga atgagactta cagtgtctta 240

agccaggcca aaagcgagga ccttgtactt cgatggagcc aggaattcag caccttgact 300

ctaggccaag ctggatgaac tcaggtccat gctacctcca ccccagccct accttcccac 360

attctccatt gcctttagac cccatctgtc agtttgcttt cctggctgcc acttgtgggt 420

ctctcacctt gccctgactc acatttgcct tgggttggag cagcagtccc agagaggtcc 480

at 482

<210> 10847
<211> 525
<212> DNA
<213> Canis familiaris

<400> 10847
gatcactgac actgagggca tctctcaccc tcgtctgggc agcctggatc tcaaagggaa 60

ccgcatccgc agggtgacag gtctggaccc ccagaagctg ctcagcctgc acacactgga 120

gcttcggggg aaccagctgg agagcactct gggaatcaat cttcctaagc tgaagaacct 180

ctacctggcc cagaacatgc tgaagaaggt ggagggtttg gagaacctaa gcaatctcac 240

taccttgcat cttcgagaca accagattga aactctgagt ggcttctcca aggaaatggc 300

atcactgcag tatctcaacc tgaggggcaa catggtgacc cacctggagg agctggccaa 360

gcttcgggac ctgcccaagc tgcgagccct ggtgctattg gacaacccat gtacagatga 420

ggctgactac cgccaggagg ccctggtgca gatagcacac ctcgaacgcc tggataaaga 480

tttctatgaa gaggaggagc gggccgatgc tgatgagatc cgtca 525

<210> 10848
<211> 501
<212> DNA
<213> Canis familiaris

<400> 10848

cttttttgtgc tgtggtggat ggtattcaat ataagactgg actgggacaa aataaaaagg 60

agtctagatc gaatgcagca aaattagctc ttgatgagct tctacaattg gatgaacctg 120

aaccaagaat tttagaaaca tcaggtcctc ctcctatccc tgcagaacct gttgtttcac 180

ctgaaccagc atatgtctca aaagtacatt atgaagggag acatattcag tatgcaaaga 240

tatcacaaat tgttaaagaa acatttaata aactaatttc taatcattcc gaatatctga 300

aatgtagcaa ttcattggct gcttttataa ttgaaagagc tggacagcat gaagttgtag 360

ctataggcac aggtgaatac aattacagcc agtgcattaa gccaaatgga agagtgttgc 420

acgacactca tgctgtcgtt acagccagaa ggtctctcct taggtacttt tatagacaac 480

ttctactctt ctacagcaaa a 501

<210> 10849
<211> 523
<212> DNA
<213> Canis familiaris

<400> 10849
ggagtatgac tttgtctttc cctaaatctg catgcagaaa ggaatgagag tggatgcaca 60

aaaccaaatt tgaactacta ccacactgaa gtacatgatg gccatgcaag gcatgaaatc 120

caaaaccaca aaagaggtgt tccctctggc acatgtgtcc aacgacacca ataagatgac 180

attaattaac ccccaaggag tcaagctcaa tatctacaag caaaaagtgg aacaggcaat 240

taagagctat gaaagacgtt tgaataaaat tgtttggaga gcattatctc aagaagaaaa 300

agaaaaatta gatgcatata agcccatgcg gtacttagag aacaaggcag ctttaaacag 360

ggcattagaa cggttgaatt ggcccatttc attgaaggag ctgtcgatgc tggaaaatga 420

aatccttgct gggaaaatgt acatccaaca ggctatggaa ctccaggagg ctgccaagaa 480

ggagaatcat gcaaacaagt cacaaggaga gcaacaaaaa gtt 523

<210> 10850
<211> 307
<212> DNA
<213> Canis familiaris

<400> 10850
tgcagacaga cccagagctc aagttccagt cagaatttgt gtcttccaac cctttctcct 60

tcactccccg ggtgcgggaa gtggagtcca cgcctatgat gatagagaac atccaggagc 120

tcattcgatc agcccaggag atggatgaaa tgaatgatct gtatgatgaa gaacccgtct 180

ggaaaaagcc aacccgtgac agcctcctgc agatgcccca cgtagaggct ttgctggtgc 240

tgtgctattc gattgtggag aacacctgca ccataacccc cacagccaag gcctggcagt 300

acgtgga 307

<210> 10851
<211> 196
<212> DNA
<213> Canis familiaris

<400> 10851
ctgctcagat gttaggtaat gtttcatcta ctcattctga tcagtctgac gttttaatgg 60

tggatgtggc aacaagtatg cctgtttttt ctgaggaggt gctgagttca gaggctgccg 120

aagatgccaa ggtggccatt cccactgtgt attccgcaga ggttgtagcc ctgcaggttc 180

tgagccaaac atctgt 196

<210> 10852
<211> 389
<212> DNA
<213> Canis familiaris

<400> 10852
atggacctca ggcaggccag ttcaaggaac tgggtgcagc tcgggaacct gctgtgccac 60

accctctaga gctgtcagaa ttccagagct tccctgtgtt tgaggacatt agccatcaca 120

tcaaagaggt gggggcccaa ctggtaaaga aagtcaatgc catctttcag ctagacatca 180

ccaaagatgg gaagatcatt ctgcagtgga ccattgatct gaagaatggt tctggagaca 240

tgtatccagg atctgccagg ctcccagcag acactgtctt cacaatccca gaacctgtct 300

ttatggagtt ggttttgggc aagatgaacc ctcagaaggc tttccttgcc ggcaagttca 360

aagtgagtgg caaagttctg cttggtcag 389

<210> 10853
<211> 169
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(98)
<223> n is a, c, g, or t

<400> 10853
tgtcggtgcg gacactaccg ctgctcttcc tgaacttggg cggggagatg ctttacatcc 60

tggaccancg gctgngggcc cagaacatcc nnnnnnnnaa ggcccacaaa gttctgaatg 120

acatcatctc caccatgttc aatcgaaagt ttatggagga attgttcaa 169

<210> 10854
<211> 398
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

<400> 10854
gatattctct tggataccac tgacccagcg aatgaagatg tctcaataac ttctgaagtc 60

tctggcacat taaaggaagg caccaccagc attgcagaca cccctaatct tccagctaag 120

aaggataagc ctgatgataa caattatagt tcctcagtaa aatccaatgt cactgctaat 180

gaggcagtcc agatcaccaa ctcgtctatt cctgaggctg aaatctctac tgctactgaa 240

aaaaatttca ctattccaga cataactgcc tttacagaag agaaaatnaa ctgaaattga 300

cttaagtctt ccagagaatg accccaatcc tgtgcctaaa ctaacagact ctgatgagga 360

aaagttcatc actgtgtttg aactcactac cactgtag 398

<210> 10855
<211> 224
<212> DNA
<213> Canis familiaris

<400> 10855
gatgaagatc tctatcgtat aaaagatcct gtgttgtttg tgtcaggctc agcagatgaa 60

atgtgtgaaa agaacttgtt ggagaaagtg gcacagaaaa tgcaagctcc caataaaatc 120

cactggattg agaaggcaaa tcattccatg gcagtgaaag gacggtcaac aaatgatgtt 180

ttcaaagaaa taaatacaca gattttgttt tggatccagg aaat 224

<210> 10856

<211> 248
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(219)
<223> n is a, c, g, or t

<400> 10856
aagcagcaaa acagatgcca cacagaattg agcaacnatt ctagacagct agttttaaca 60

tctaagaagc ttgcccacca agcaaaaatc ttaatnaatt aaagaaagtg agcatttaag 120

gtnttaagca ctgntaacgc actcttctta tgcttttggt tagcaattca agaacatgta 180

tcttcantct ttcctgacgc agacttttaa aataggnnng ttttcatttt gctgattttt 240

cttcaata 248

<210> 10857
<211> 480
<212> DNA
<213> Canis familiaris

<400> 10857
atggcatcat gctgcttagt gctgcagaca gaaagattgt cgcagatatt aaggaaacct 60

cttgttatgt ggtaatgaac tatgaagaag aaatggccaa gaatcctgaa tctgtggaga 120

aagtttacca gctacctgat gggaagatga tcaagctcca taaccagctc tttcattgtc 180

cagaggccct cttctctcca catcttctga accttgagac tcctggcatc gataagttgt 240

gtttcagcag cataatgaaa tgcgatacag atctcaggaa ttcgtttttc tccaatatta 300

tccttactgg gggatcaacc tctttccctg gtttagacaa gcggctagtt aaagatatag 360

caaatatggt gcctgccaat acgcccgtgc aggttacagc tcccccagaa aagaaactat 420

cagtgtggat gggaggctcg attcttgcat ccctgtctgc cttccaggac atgtggatca 480

<210> 10858
<211> 444
<212> DNA
<213> Canis familiaris

<400> 10858
gcaagattcc ttggcttagc gaggccagcc tcataaacaa gccattagtg ctcagcctcc 60

ccaaaagata tcctcagaat tctggcactt tcctgatttc atccaagaag gatatgaatt 120

tgcctatttt atttcaagtt ccagatgtct tatctaaggc caggaggatc cagagtaacc 180

ccatgctgat cagaaataag cagctgtgct ccacatgtca agaaataaaa atggtacaac 240

caaaacctgt gataatccct cataatctga aactatcctt tgagaatctt atgagtcata 300

gaatgagtct tcatccacca aaagcccaag ctgtactcaa acattcccat aatgacatct 360

caacagagag cattcactac agactgccca ttctgggccc caggacagct gtcttcaatg 420

aactgctggc agatacctat gcaa 444

<210> 10859
<211> 552
<212> DNA
<213> Canis familiaris

<400> 10859
gaaaagagca gagcaacttc gcaaagaact tgaggaaaaa gagcaagaac gcttggatat 60

tgaagaaaaa tataccagct tgcaagagga agcacaggga aaaaccaaga aattaaagaa 120

agtttggact atgctaatgg ctgcaaaatc agagatggct gatctccaac aggagcatca 180

gagggaaatt gaaggcctac tggagaatat tcgacaactt agccgggagc tccgacttca 240

gatgcttatc attgataact ttatacctca agattatcag gaaatgattg aaaactatgt 300

ccattggaat gaagacatag gagaatggca gctaaaatgt gttgcttaca caggaaataa 360

catgaggaag cagactccag ctcctgataa aaaagagaaa gatccctttg aagtggacct 420

ttcccacgtg tatcttgcct acactgagga gagtctccgg cagtccttga tgaaattaga 480

gagaccacgg acttctaagg ggaaagcaag gccaaagaca gggcgaagaa agcgttctgc 540

aaagcctgaa ac 552

<210> 10860
<211> 577
<212> DNA
<213> Canis familiaris

<400> 10860
ggaattttac caagcatacc tcaatgtaat tctggaaaac tggatacacc tgaaagttca 60

gcaaatacct atcagaatat aacaatagat gatcaattct ctatcaaatc agatgattca 120

aagtcaagga aattaatcta tgaatataaa attagccaac attttcccag gtatcttcaa 180

gatttaccaa ctagaactgt tggaaaaatg tcatctcaaa catttcttcc ttctattgct 240

cacaagaata tggtatgttc cactggaatg gaaagcccat gtatcagtga aaaacactac 300

actggtcaaa gccagaagat ggccaaagac tgtaaacgta ttaaccacaa tccaaagaag 360

actcttggta ctagaataaa agaagagaag aagagatcaa gtactttcct cccagaagat 420

ttaaatcttg atgtcaatcg gggtacaact aagattagtt cgcccaaaag atgcaataat 480

tgcatgggaa aaattagaca aaaatgtagt aatctgtcaa gaaggcctga atctcatcct 540

ctaaagacaa aaagtcctga gctatcttta atattgg 577

<210> 10861
<211> 587
<212> DNA
<213> Canis familiaris

<400> 10861
cactgccttg ttgaactaca catgtgtaag cataatataa aaaactgtgg tataaaacag 60

ttatgtgatg cactgtatct aaatggaagc ctacgctacc ttgatgtcag ctgcaataaa 120

ataactcgtg atggaatggt gtatttggct gatgtactga aaaccaatac taccctggaa 180

gtactagatc tttcttttaa cagaatagaa aatgcaggag caaagtatct cagtgaaact 240

cttgcttcac acaacaggag tcttaaagcg ctgtcagtag tcagcaacaa catagaggga 300

gaaggccttg ttgcactttc gcagtcaatg aaaataaacc ccaccctctc aaatgtctac 360

atttggggaa acaaatttga tgaggctaca tgtgtggcat attcagagtt aatgcaaatg 420

ggccgtctaa aaccagacaa tacagacgtg gaggcatttg tggtggatgg acatgtgtat 480

cttgcagaag tctcgaatgg ccttaaaaag cattattact ggaggccaac ttatggagca 540

gcttgcaggc actcagctaa tgcaggtttt actcttgtac cagtagg 587

<210> 10862
<211> 327
<212> DNA
<213> Canis familiaris

<400> 10862
aagctcacct atattccaga acacattagc aaactacaga gtcttaaaga gttgtatgtg 60

gagaacaatc atctggagta cctgcccaca tctttgggat caatgcctaa cctggaaatt 120

cttgactgcc gccacaactg gcttaagaaa cttccaaatt ccatttgcca ggcacaagct 180

ttgaaagaat tactgcttga ggacaacttg atcacctgtc ttccagagaa tttggataac 240

ctggtgaacc tcaaggtttt gacactgatg gacaatccca tggaagaccc cccaaaagaa 300

gtgtgcattg aaggcagtca ggctata 327

<210> 10863
<211> 230
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<400> 10863
tccaagtacg tggagacgag ccacctcgca aaccacccca aggtggccag aaggccctct 60

tgccgcagca gcccccattg cctgctctgt acagaacgtc cctcgggccc ctgcagcccc 120

accttcctgg accangtcat cagaggcatc aactaccttg acagatccac caatgccttc 180

tgtaccancg gtcccaagtc atcactgagc ctgccaaggc ttgcagccaa 230

<210> 10864
<211> 363
<212> DNA
<213> Canis familiaris

<400> 10864
aagcgcgaga tctttgaccg ctacggggaa gaaggcctaa agggtggtgg ccccagtggt 60

ggcagcagcg gtggtgctaa tggtacctct ttcagctaca cattccatgg agaccctcat 120

gccatgtttg ctgagttctt cggtggccga aatccctttg acacctttt tgggcagcgg 180

aatggggagg aaggcatgga cattgatgac ccattctcta gcttccccat gggcatgggt 240

ggcttcacca acatgaactt tggccgttcc cgtcccgctc aagagcccac ccgaaagaag 300

caagatcccc ccgtcaccca cgaccttagg gtctcgcttg aagagatcta tagcggctgt 360

acc 363

<210> 10865
<211> 449
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<400> 10865
tgttcatgtc agtgagtcat tctcatttca gagcctccaa aaagaagtcc ncactnggaa 60

aagcaggtct gatctaggtg ctgccctgaa tgccctgtct ggctgngcct gaggatctcc 120

ttcccctgcc ctgctgcnca agcttgggat ggangttata ggtaaacgaa gtgacangtg 180

gccactttcc aagccangca gccaggagac agagcgcagg ccagaaagtc tcagctgctg 240

ctgtgggaga gccctgctca ncttgtaact acaacaaggc tgangagaga gggttagcag 300

agccagcagg gctgtcctca cccgcgctgg ggctgtactg gtggcccgac tccgggaagg 360

atgagtgatc ctatggccag accggtccct tcangcaccg ggtctaagta ctgattcata 420

cataggacct cttcagaaga attgcttcc 449

<210> 10866
<211> 262
<212> DNA
<213> Canis familiaris

<400> 10866
gcgagttcga ccagctgcga gacttcccca tctttgagag caactttgtg caggtgaccc 60

ggttaggaga agtcgccaac aaagtcacca tgggggtggc agcctccagt ccagccctgg 120

aactcccaga tctgttgctg ctggccgggc ctgccaagga taatggacgc ctgcagctct 180

ttgggctgtt ccctttgcag ttcgtccagc tcttcgtcca cgatgaaagc cgctggcagc 240

ttaaggtcaa gttccgcacc gg 262

<210> 10867
<211> 249
<212> DNA
<213> Canis familiaris

<400> 10867
agcaagacct tctgcgggtc ggcggcgtac gcggcccccg aggtgctgca gggcatcccc 60

taccagccca aggtgtatga catctggagc ctgggcgtga tcctctacat catggtctgt 120

ggctccatgc cctacgacga ctccgacatc aagaagatgc tgcgcatcca gaaggagcac 180

cgcgtggact tcccccgctc caagaacctg acgggcgagt gcaaggacct catctaccgc 240

atgctacag 249

<210> 10868
<211> 366
<212> DNA
<213> Canis familiaris

<400> 10868
ataaatggcc tcttctttgc ctttggtgct ggggaaaggc tgatctggca tcaccagaac 60

tttccaggga aacttaactg tcactagtct accccactga attgagaggt tagttgtgat 120

tgctgaaccg agaggaacaa ggatatatca ccaggcatat actatttcac agctgtacca 180

tctcattaca acctgaccag gaaactacgg tgacgtcaaa tcggtgatta ttagaaccat 240

gctttaaaat ttctgggatc ccaaattgtc tggctagcag gtactgaaga gggtaatctg 300

agtggtcagg cctggagaaa atcttccatg aaattgctga agaaatggct cttccaaagc 360

taagtg 366

<210> 10869
<211> 68
<212> DNA
<213> Canis familiaris

<400> 10869
gtaaacatct gaaggctata gacatctctg catctttgta cctgcaagtg ccatctttaa 60

ggggaaaa 68

<210> 10870
<211> 114
<212> DNA
<213> Canis familiaris

<400> 10870
ttctggattc tgcatatttc agacttcagg aatcgttctt taatctccca caacttcttt 60

ttccggaaaa tgtaatgcag aataaagata atgccctcgt ggaattggat caca 114

<210> 10871
<211> 480
<212> DNA
<213> Canis familiaris

<400> 10871
ggccttggtg gaatgttgtt ctcaagattt ggacgttcat ctacatcaca gccatctgag 60

acatcaaaag actcaataga agacgagaag aagtctgttg cctcgcttcc caccaccact 120

gttgcaacac agacccttcc acacagcagt tctggctttc tggattctgc atatttcaga 180

cttcaggaat cgttctttaa tctcccacaa cttctttttc cggaaaatgt aatgcagaat 240

aaagataatg ccctcgtgga attggatcac agaattgatt ttgaactcag agaaggactt 300

gtggaaagcc gctactggtc agctgtcaca tcgcatactg cctattggtc atccttggat 360

gttgccctct ttcttttaac cttcatgtac aaacatgagc acgatagtaa tgcaaaaccc 420

aatttagatc caatctgaac tctcgaagga cattaatggc ccaaaactga tttatttctg 480

<210> 10872
<211> 387
<212> DNA
<213> Canis familiaris

<400> 10872
atcagacgaa gagcctattg aagatgaaca gactccaatt cagatatcct ggctacccct 60

gtcacaagtg aattgttctc agtttcttgg tttatgtgct cttccaggtt gtaaatttaa 120

aaatgttaga agaaatatcc aaaaagatac agaagaacta aaaagctatg gtatacaaga 180

catatttgtt ttctgcacca gaggagaact gtcaaaatac agagtcccaa acctttgga 240

cctctaccat cagtacggaa ttatcactca tcatcatcca atcccagatg gagggactcc 300

tgacatagcc agctgctgtg aaataatgga ggaacttgca atctgcctta aaaataaccg 360

aaaaacctta atacactgtt atggagg 387

<210> 10873
<211> 554
<212> DNA
<213> Canis familiaris

<400> 10873
atccaggctg tgtggcgagg cttcctcact cgccggcccg agactcagca aaccatgctc 60

ccggccatgt ggtgcaaaat gggcagcagg accaggtcag gatccgacca ccgctgtttc 120

cagtcgtgcc agccacacat ctgcgccctc tgccagtcgc tgagtcccag gctggggagc 180

ccgcccagcg tggtgatgct cgtgggttcc agcccccgca cgtgccacat gtgtggccac 240

acgctgccca ctcgggtggt gcacggcatg ggccggggct ccacagtcca ggctggcttg 300

ccgtggggct gcgccaccca gatgaattcc cggagccccc ggctgtcccg tcgccggatt 360

aaggcggcca cggccatcca gtcggcctgg agaggcttca gcgtacgccg ccgtctgaag 420

cagcaacaga tggcagccaa gatgcttcaa gccacctggc gcggccatcg cacccgggcc 480

tccctcacta cggatgcgct cttggggccg gaagcgtggg acagctcgca gcacatgcag 540

tggccaggtg tcta 554

<210> 10874
<211> 465
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<400> 10874
aattgacaga cttagcagac caggctggaa gcgcggttca ctgaccccca ggacaaccac 60

ttttccttgc cccggctgtg agcatgatgt ggatcttgga gaacgaggaa tcaatggtct 120

gtttcgaaat ttcactttgg aaaccattgt cgagaggtac cggcaggcag ccagggcagc 180

cacagctatc atgtgtgacc tttgtnagcc accaccccag gagtccacaa aaagttgcat 240

ggactgtagc gcgagctact gcaacgagtg cttcaaaatt taccacccgt ggggtactgt 300

gaaagctcag catgagtatg tgggtccgac gactaatttt aggcccaaga ttttaatgtg 360

cccagaacat gaaacggaga gaataaacat gtactgtgaa ttatgtcgga ggccagtttg 420

tcatctctgt aagttgggcg gtaatcattc caatcaccgg gtaac 465

<210> 10875
<211> 277
<212> DNA
<213> Canis familiaris

<400> 10875
agcttcctgt gactgaacct gacatcaaca acaggctgga gtccttgtgc ctcagtatga 60

ccgagcacgc cctgggagac ggggttgacc ggacctccac aatctagaag ctgaagatga 120

gagtgaccgc gctggccgtg aaatcgactg ctgcgggtcc agtgtcagcc atcttcaggg 180

ttgcacagaa tcctcggaga tgctttgcag ccttttttttc cccctggtcc ctctcccatt 240

ttgattttgt gagagcgtag gtcgtccttg taaacat 277

<210> 10876
<211> 110
<212> DNA
<213> Canis familiaris

<400> 10876
gggtctgagg gaagcacttg ccctcacaac ccacccctgt ggcatggaaa tggaactggg 60

acctcagagg aaaagcactg tggttggcat catcttctcg gctaagcaag 110

<210> 10877
<211> 371
<212> DNA
<213> Canis familiaris

<400> 10877
gctctttctt ggatcagggc caggaagcag accaatccag acagcagaca gtacttacca 60

aatggccact gtctgatttg agtgtgattg atcaactgtt caaggaaatg tcctattgtt 120

tgtttgactt gaaggcattg tgtagtattc tcaatcagcg tgctcagggc aaagagccta 180

atctttcatt attactggga atcagatcaa tgaactgttc agctgaagag actgagaatg 240

attatagccc agaaacactc actaaaaaat tgtcagatgt atgccagtta cggagggaca 300

tcgatgaatt aaggactaca atatcagacc gctatgctca ggacatggga gacaactgca 360

ttacccagtg a 371

<210> 10878
<211> 525
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<400> 10878
tatgccccgg tcatctcagc cgagaaggcc taccacgagc agctgtccgt ggccgagatc 60

accaatgcct gcttcgagcc ggccaaccag atggtcaagt gtgaccctcg gcacggcaag 120

tacatggcct gctgcatgtt gtacaggggg gacgtggtcc cgaaagatgt caacgcggcc 180

atcgccacca tcaagaccaa gcgcaccatc cagtttgtgg attggtgccc gactggattt 240

aaggtgggca tcaactacca gccccccact gtcgtccntg ggggtgacct ggccaaggtg 300

cagcgggccg tgtgcatgct gagcaacact accgccatcg ccgaggcctg ggcccgcctg 360

gaccataagt ttgacctcat gtatgcaaag cgagcctttg tgcactggta tgtgggggaa 420

ggcatggagg aaggggagtt ctccgaggcc cgggaggacc tggcagccct ggagaaagat 480

tatgaagagg tgggcgtgga ttccgtggaa gcagaggctg aagaa 525

<210> 10879
<211> 376
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<400> 10879
gcctcccagt agcagttcca acagggccac agaacaaggc ggtccgcaaa acctcggcag 60

cagacaacag tgaaccgggc acgcaggaag aagaccgcta caggctgatg ctcagtcgga 120

gcgacagtga aaacattgcc agtaactact tccggtccaa gcgagccagc cagatcctca 180

gcacggatcc catgaagagc ctcacgcgtc acagctcgcc gcntggcctc agctcccccc 240

tcggcagcac ctnggccatc tcgcccaccc aggccccaga aatgccccag ccccggccct 300

tccgcctcga gtccctcgac gtccccttca ccaaggccaa gcggaagaaa agcagaagca 360

gcttcggcag cagcga 376

<210> 10880
<211> 137
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)

<223> n is a, c, g, or t

<400> 10880
gggttctcat gtatcagcca tcttctgtaa gggtgcccag tgtgacttcg gttgatcctg 60

ctgctattnc gnctncatta acagactact cagtaccatt ncaccacacg ccaatatcaa 120

gcatgtcatc agatttg 137

<210> 10881
<211> 337
<212> DNA
<213> Canis familiaris

<400> 10881
tctcccagag gaagatcacc attgttggaa ctggtgctgt gggcatggcc tgtgctatct 60

gtatcttact gaaggatttg gcggatgaac ttgcgctcgt tgatgttgca gtggacaaac 120

tgaagggaga aacgatggat cttcagcatg gcagtctttt ctttaatact tcaaagatta 180

cctctggaaa agattatagt gtatctgcaa actccaaatt agttattgtc acagcaggtg 240

cacggcaaca ggagggagaa agtcgccttg ccctggtgca acgtaatgtg aacatcatga 300

aatcaatcat tcctgccata gtccaacata gtcctga 337

<210> 10882
<211> 542
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<400> 10882
gggagaagcc cacagttaac ttggaggcca cagccaatca gaaaaaaaca gagtcaaact 60

caaccccaaa gcctgagagt ggagggaaat taaccaagca agctgctgag ggcaaaccaa 120

gacccagacc tggagacctg attgagattt ttcgaattgg ctatgagcac tgggccatct 180

atgtggaaga tgactgcgtg gtccatctgg ctccccccgag tgaggagttt gaggccggca 240

gcatcacttc tgtcttcagc aaccgggctg tcgtgaaata cagtcggctg gaggatgtgc 300

tgcatggctn ttcctggaag atcaacaaca agctggatgg gacgtacctg cccctgcctg 360

tggacaagat tatccagcgg accaaaaaga tgatcaacaa gatagtacag tacagcctga 420

ttgaagggaa ctgtgaacac tttgtcaatg acctcagata cggtgtggcc aggagccagc 480

aggtagagca cgccctgatg gaaggagcta aggctgcagg agcagtcatc tcagccgtag 540

tg 542

<210> 10883
<211> 332
<212> DNA
<213> Canis familiaris

<400> 10883
attacccgcc aggaattatg ttggaatatg aaaagagtgg agaattgaag accaaatcca 60

tagatttgct caacctcagt cccagcactg aagtcaatgc cctagtagaa gaaatacaga 120

aagcagagcc tctaatcaca gcttcaagat cagagcaagt aaagctttta attcagagat 180

tacaggataa actcagacag cacagcaacc acacattcta tctttttaag gttctcagag 240

cacacatact gccattgact aatgttgcac ttaataaatc gggctcttgc tttatcacag 300

gaagctatga tcggacgtgt aaactctggg ac 332

<210> 10884
<211> 459
<212> DNA
<213> Canis familiaris

<400> 10884
tcagctgtgc caagactggg tactcggcca cagtgatatt ccacacgaag ccttttacg 60

gagggaaagt ccacagggtc acagcagaag tgaaacacaa cccaaccaac accattgttt 120

gcaaagccca cggggagtgg aacggtactt tagagttcac atacaacagc ggagagacca 180

gggtcatcga cacaaccacg ctgccagtgt accccaagaa gatcagacct ctggagaagc 240

aggggcccat ggagtccagg aacctctggc aggaagtgac cagatacctg cggctggggg 300

acattgatgc tgccaccgag cagaagcggc gcctggagga gaagcagcgg gtggaggaac 360

gaaaacggga gaacctgcac acgccatggc agcccaagta ttttatccag gagggtgatg 420

gctgggtata cttcaatcct ctttggaagg cacactgat 459

<210> 10885
<211> 537
<212> DNA
<213> Canis familiaris

<400> 10885
gaaaggctcc cttcagaata tttgaaactg gaagtatgaa gagtttagtt cgccagctta 60

acctttatgg atttagtaaa atgcgacaga attttcaaag atctgcttct ctggctgact 120

ttctagcaga ggaaaaagaa gcctctgttt taagcaagtt acagttctat cataatccaa 180

attttaaaca aggctgcccc caacttttag taagaatgaa aagaagagtc gggattaaaa 240

atgcttctac agtatcatta gtacaagatt tcaacaagaa accctgcagt gcagaaggta 300

atgtggatag tcctaatttt ggtttggttg gtgaaactag tggagaaagg gtatattcaa 360

actccaccaa tttaaatgtg cctctaataa ggaagccttc taacagtcag agaattgcta 420

ctacaactga ccccatgaaa agtgattttt ctcctacatc accaatgtca gttagaccat 480

cagaacaaat tggaatggag caacatgctg ttttaaacca attgaccact ttccaca 537

<210> 10886
<211> 396
<212> DNA
<213> Canis familiaris

<400> 10886
agcctggctg tgagacctct tcggaggaat gcctgggcac taaagagccc agggaagccg 60

aaccagagac cccgaagagg aagaagccaa ggcgtcaatg ccaccgtcgc tgccggcgca 120

gccgctcaga cagtttcgcc atctacttcc ccagggttct gaagcaggtt gacgagggtc 180

tgagcctctc acagaaggct gtgagcatca tggattcgtt cgttaaggac atcttcgagc 240

gcatcgctga cgaggcctct cgcctggccc gctccaccaa gcgctccacc atcacctcca 300

gggagatcca gaccgccgta cgcctgctgc tgccggggga gattggcaag tacgcggtgt 360

ctgaggccac caaggccctc atgaggtaca ccttta 396

<210> 10887
<211> 96
<212> DNA
<213> Canis familiaris

<400> 10887
atcacacagc tgtttgaagg gcagctcaac tacagcatca tgtgtttgaa gtgtgagaac 60

tgtacttaca agaatgaagt cttcaccgtc ctctct 96

<210> 10888
<211> 533
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (483)..(483)
<223> n is a, c, g, or t

<400> 10888
tgccgtcaga cacacaaact cgagccactt ctaagagcct cttacctgtt aaatccaaag 60

aagtggatgc ttccagattt cattcaggag gttcagaaaa tgatgttaca aaaatcgtca 120

agccaagacg agagaatggc tacaaaccgc tgagtaagca gaaatcagag gaagagctca 180

aggataagaa tcagctctta gaggccgtca acaagcagct acaccagaag ttgactgaaa 240

ctcagggaga actgaaagac ctgactcaaa aggtggagct gctggagaag tttcaggata 300

actgtttggc aattttggag agcaagggcc tcaacccagt tttaggcagt gagacctcag 360

catcacagca agaagccacc acggatcata cagactctat gttgctgtta gaaacattgc 420

aagatgagct gaagcttttt aatgaaacag ccaanaagca gatggaggag ttacaggcct 480

tanaagtaaa gttgaagatt aaagaagaag agagggcccg gttcctagaa cag 533

<210> 10889
<211> 233
<212> DNA
<213> Canis familiaris

<400> 10889
agacgagaga atggctacaa accgctgagt aagcagaaat cagaggaaga gctcaaggat 60

aagaatcagc tcttagaggc cgtcaacaag cagctacacc agaagttgac tgaaactcag 120

ggagaactga aagacctgac tcaaaaggtg gagctgctgg agaagtttca ggataactgt 180

ttggcaattt tggagagcaa gggcctcaac ccagttttag gcagtgagac ctc 233

<210> 10890
<211> 512
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (236)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<400> 10890
gacagttcag ggtggagttc tagtaaagat aaggatgcgt acagcagttt tggatctcgt 60

agtgattcaa gagggaagtc tagtttcttt agtgatcgtg gcagtggatc aaggggaagg 120

tttgatgatc gtggccggag tgactatgac ggcattggca gccgtggtga tagaagtggc 180

tttggaaaat ttgaacgggg tggaaatagt cgctggtgtg acaaatcaga cgaagnnnac 240

nngncaaaac cgctcccacc gagtgaacgc ttggaacagg aactcttttc gggaggaaac 300

actgggatta actttgagaa atacgacgac attccagttg aggcaacggg caacaattgt 360

cctccacata ttgaaagttt tagcgatgtt gagatgggag aaattattat gggaaacatt 420

gagcttactc gttatactcg cccaactcca gtgcaaaagc atgctattcc tattatcaaa 480

gagaaaagag acttgatggc ttgtgcccaa ac 512

<210> 10891
<211> 159
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<400> 10891
ataacttctc catgagagac cataaggagg cttncagcca cagcaaaggg gtttcctggg 60

ttagggttgg tgncctggct gttatctggg aattgcaagc tttcttaaga aatctctatt 120

ttattacagn tatccttctt tgtgggattg cagtgggct 159

<210> 10892
<211> 113
<212> DNA

<213> Canis familiaris

<400> 10892
ggaaaatgta cacagtgatg ttaaaaaacc ttttgacaac gagaataact ttaacttcct 60

tgatctgaga gctaattata caacagagga gattgtagtg tcttcgaaag gag 113

<210> 10893
<211> 395
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (110)..(110)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<400> 10893
aatatggctg catgtcagaa tcagaaaatc aaatccaacc acaatcanca ctgaaagccc 60

ttcagcatca actggaatca tttnangctc ttcgaataca gactttgcan aatgntagca 120

tggtacagtc tgaaatcagt gaaatcttga acaaaagcat tattgatgta gaaaacccac 180

aatttagctc anaaaaaaat ctagtattcg gcacacacat tgaaaaagct ttgcccataa 240

agaatcaaga aggaatcctt tctatggaga aaattcatca ttttgaggag tctaatacta 300

ctcattcaac agaagaaaaa ttcagcagtg atatctctca aggtattgat attccatccc 360

agatacattt caaggaccta ttaactcaga gaact 395

<210> 10894
<211> 569
<212> DNA
<213> Canis familiaris

<400> 10894
agcaagtgct caagacagcc ctggtgtcag gcgtcatcca ggccctgccc gtgccagggc 60

tggcggccgc ctacgacgac gctctgctca tccgctcgct gcgtggctac caccgcagct 120

tcggcctgga tgacgactcg ctggccaagc tggctgagca ggtgggcaag caggcaggtg 180

acctgcgctc cgtcatccga tccccgctgg ccaacgaggt ctcgccggaa accgtcctgc 240

ggctctactc acagtcatct gacggtgcca tgcgggtggc ccgtgccttt gagaagggga 300

tccctgtgtt tggcacgctg gtggccgggg gcatcagctt tggcaccgtc tataccatgc 360

tccagggctg cctcaatgaa atggccgaag acgcccagcg ggtccgcatc aaggccctgg 420

aggaggacga gccccagtct gaggtcagcc tggaggcagc cggtgacaat ggtgtggaaa 480

agcggggatc tggggaggga ggctgtgagg aagcaccgct ctcggctcgc cggaagcttg 540

gcctcctcct caagtatatt ctcgacagc 569

<210> 10895
<211> 461
<212> DNA
<213> Canis familiaris

<400> 10895
gtcttcgtgg ccctctttga ttatgaccct ctggtgatgt ctgccaaccc cgaggttgca 60

gaggacgagc tggccttcca gaaagggcag ttgctgagag tgtggggctc tcaggaccct 120

tgtggcttct accacggtga atgcaatggg caagtgggca acatacctgg ccacctggtg 180

gccgaggtga aggtgggcac agagcagact gatgggagat ggcatttgcc agtgcaagag 240

tacctgccac ctgtggccca cctcgacgac tttggggagc tcaccagccc ccagggctcc 300

tttcctatac cccaagggaa cccgaggatg tcaccactgt ggactccaac aactatgatg 360

gcggctttgg actatgaccc caaggatggg tgtgcagggg gcagggtgaa gggcaagctg 420

tcactgaggg caggggatgt ggtcacggtc tacgggcctg t 461

<210> 10896
<211> 142
<212> DNA
<213> Canis familiaris

<400> 10896
accatctaca tcgacgaggt gctctgcacc cacatgagga agtccatccc cctgcgggat 60

gggggcgacc aaggccagtg ggccaggtgc gccccgacac catctgctga ggatggcact 120

tcacacactg attaaaccct gg 142

<210> 10897
<211> 494
<212> DNA
<213> Canis familiaris

<400> 10897
agaaacaact ccctggcgct gaaggccctg gtggaccgga tcctgtccca gacagctgac 60

gacctgcgca ggcagtgtga catggtggac acggcattcc agatggggct gaaggagacc 120

aaggccgcca gggaccagct ggctgcccac ctggccaagg tcatggaaga gatcgcatgc 180

caggagaaga acatgacggt tctggagaag gccatccttg atcaagaggg gcctgccaag 240

gtggctcaca cgcgcctgga gacccgaaca cgcaggccca acgtagagct gtgccgcgat 300

gtcgcacagt accggctggt caaggaagtc ggcgagattg cccagaatgt cggaaggctg 360

aaggaggccc tggcacaggc gcaggtggag ctgaagggcc tgaaccgccg gcaactggcg 420

ctgcaggagg aagtccaggt caaggagaac accatctaca tcgacgaggt gctctgcacc 480

cacatgagga agtc 494

<210> 10898
<211> 524
<212> DNA
<213> Canis familiaris

<400> 10898
tgtgagaaca atgctggcac cctctggacc atgaacatca agtgccacat ccacgacccc 60

catgggcagg tcatctgggg catgtcctgg gccaagctgg ccaggcacgc ctccaacctc 120

aaggtcaact tcttcttcga gcgagtcatg aagtatgagc gcctggcacg gatcctcttg 180

caggagatcc ccatccggag catcagtctg aggagctgct actttagcga cccagactgg 240

tccatgaggc ccacgctgac agatctcctg cccaccttcc ggaacactct gcagaaacta 300

acatttgagt tcaataacaa ccacgagtcg ctggacgagg agctgcacct cctggtcttg 360

tcctgtcgaa agctgttcta cttcaagatc tgggcttttc ttgacgtcaa gtttgtggag 420

cggatcctga agagtcagga ggaagggcag tgctccctgc gcactctcaa ggtgagaatt 480

tacacaaacc gatacgagac aaatgacgag gacaggacgc tgcg 524

<210> 10899
<211> 328
<212> DNA
<213> Canis familiaris

<400> 10899
gttgctaacc agctagatgg ccacatgaat gggcaaatgg tagaacatct aatggactca 60

gtgatgaagt tatgtctcat tattgccaag tcctgtgact ctcccttggc agagctagga 120

gatgataagt ctggagatgc gagcaggcca acttcagcct tcccagatag tttatatgag 180

tgtttaccag tcaagggcac agggacagca gaaacgctcc tgcagaatgc ctatcaagct 240

atccataatg aactgagagg tatatcagga cagccccctg aaggatgtac agcacccaaa 300

gtgatcgtca gcaatcatag cctaagtg 328

<210> 10900
<211> 430
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<400> 10900
tccccgatct tgaggcgttt caggtgtata ataatatagt gaatgagtaa ttgcataaag 60

tactcattgc tcatcaagta tggaacctca aggtctttgt gataatggaa accaaaaaat 120

tgattggtaa accgcttcaa ccagcaagac ctgttcgtca tctgacttct ccccctggag 180

cagtgttccc tttcaacttt caaaatgaat attcatgcaa cactcaatgc ttacaaagtg 240

gagttagcag atgtaagacg aatggaatgc aagcctttac tcaaggtcat aatgaacaac 300

agcaacatca gtctccagtt aaaaaagaga gaattaagta cagcagagat ttcctgntga 360

agctctcaag tgtttccatc tgcagaaaaa agccagactt cctgcccgat catcccattg 420

tacttcaaaa 430

<210> 10901
<211> 234
<212> DNA
<213> Canis familiaris

<400> 10901
atgtcactta gtgttctgag taggaaagag aaagaaagag taattcgcag actgttaata 60

caagctcctc caggggaatt tgtaaatgct tttgatgatc tctgtctgct tatccgtgat 120

gaaaaactca tgcaccatca aggtgagtgt gcaggccacc aacactgcca aaaatactct 180

gtaccactct gcatcgatgg aaatccagta ctcttatctc accacaacgt agtg 234

<210> 10902
<211> 49
<212> DNA
<213> Canis familiaris

<400> 10902
aatttcagaa gccttgcttc tgctgcaacc aaacatgtca cttagtgtt 49

<210> 10903
<211> 76
<212> DNA
<213> Canis familiaris

<400> 10903
gatgttatga ttgtgcagtt gtcaacaatt tctattgtgc cacaactagg gcgtgtgagg 60

aggatcggag gcgctg 76

<210> 10904
<211> 163
<212> DNA
<213> Canis familiaris

<400> 10904
aggacctccg gaggcccaag atccacgggg cagcccgggt accccagtac cagccgccca 60

cactggccta cctccagcgc ttgctgtggg tccgtcgggc tcccatgctg agccacgtca 120

atgaagtctg gcccaacctc ttcctaggag atgcgtacac agc 163

<210> 10905
<211> 330
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<400> 10905
agatgcgtac acagcccggg acaagagcaa gctgacccag ctgggcatca cccatgttgt 60

gaatgtggct gcaggcanat ttcaagtgga cacaggtgcc aagttttacc gtggaatgcc 120

cttggagtac tatggcattg aggctgatga caacccttc tttgacctca gtgtctactt 180

tctacccatt gctcgataca tccgaactgc cctcagtgtt ccccaaggcc gtgtgctggt 240

acactgtgct atgggggtga gccgctccgc tacagttgtc ctggctttcc tcatgatctg 300

cgagaacatg acactggtgg aggccatcca 330

<210> 10906
<211> 543
<212> DNA
<213> Canis familiaris

<400> 10906
tcagcatcct tctgtgacca gtcaggatcc tcttgtggcc cctactgctc ccaagcttgt 60

ggtcataacc cagggccggc tgagccggga gcaccggggt cttttcaacc atgaggtgaa 120

atctctggac gtggctcggc tgcttagagg tgggcccctg gaaccaggca ccccgtcacc 180

ccctgccaaa ccctccccaa gcccaagccc ggtgcaagaa ccagctctac agtcaagagg 240

caaggagaac caggtcccta gaggctcagg cccaggtctg cccagttcca gtcccgcaga 300

gctccctggc ttggggcagc tgttggagga gctgcagtgc cagctgattc tgccacaggc 360

cttccccagg aggaacctag tgcaagaagc cagggatgcc attgtgagca ccttacaggc 420

ctgccatggc tgtgtgcctg acctcaccct ggtgctccgt ggctgccagc cgcccttacc 480

aggtgagcct acctgtactc cctgtactcc ccttcccctt gtctgctcta gcttcctgta 540

tgc 543

<210> 10907
<211> 190
<212> DNA
<213> Canis familiaris

<400> 10907
aatgcaactg caattaaata ctccagttat atttaagtat ttaacattta aagatgagat 60

aatgagcctt cattagatct agattgaatc tcgtatcagt tgaatttcag caaagattaa 120

ggatgtcagg attgtgctct tggttatttc aaactcttta aatggaagcc tgttgctaca 180

gtgtgcagaa 190

<210> 10908
<211> 446
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (269)..(269)
<223> n is a, c, g, or t

<400> 10908
atacatccaa gaaagagttt acgtttgcaa agtctagctc agtctactac tgtagaaata 60

gttcctgttc aagttccaca acaaacccca gcatcaccag caaaagataa agtagtatct 120

acctcagaag atgtaagatt aaaaaaagcc agtgactcct caggtaaacg aaggccaata 180

gtaacccctg gtgtaacagg attgagaaat ttgggaaata cttgctatat gaattctgtt 240

cttcaagtgt tgagtcattt acttatttnt cggcaatgtt ttttaaaact tgatctgaac 300

cgatggctgg ctgtgacagc tggtgataag acaaggtcac cttataagca tccaccaatc 360

acagatgcag tatatcaaat gaatgaatgc caagaaaaag atacatgcag tgctctctcc 420

agacatccaa gtttatcctt aggact 446

<210> 10909
<211> 398
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (283)..(291)
<223> n is a, c, g, or t

<400> 10909
atatgggaca ttctgcctac caggtctcan tttgtgcttt taacaaagga aaacttaaag 60

tcttggctac cacctttgat ccatatttgg gtggcaggaa ctttgatgag gctttattag 120

actacttctg tgaggagttc aagaccaaat ataagataaa tgtgaaagaa aattctcggg 180

ctttgccgcg tttatatcag gaatgtgaaa aactgaagaa gctaatgagc gcaaatgcat 240

cagatcttcc actgaacatt gagtgtttta tgaatgacct tgnnnnnnnn ngtaaaatga 300

acagagctca atttgaacaa ttgtgtgctt ccctattcac caggatcgag ccaccattaa 360

aagcagtaat ggaacaagct aacttgcaac gtgaagac 398

<210> 10910
<211> 344

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (263)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<400> 10910
atccccatct tggactttgt ggagcagaaa tgcgaagttt ttgatgatga agaagaaagc 60

aaattgacct atacagagat tcatcaggaa tacaaagaac tagttgaaaa gctattggaa 120

agctacctca aagaaattgg aattaatgaa gatcaatttc aagaagcatg tacttctcct 180

cttgcaaaga cccgtacatc acaggccatt ttgcaacctg tgttggcagc agaagatttt 240

actatcttta aagcaatgat ggnnccanaa aaacnntgaa antgcagctg caagccattc 300

gaataattca agagagaaat ggtgtattac ctgactgctt aaca 344

<210> 10911
<211> 499
<212> DNA
<213> Canis familiaris

<400> 10911
caatatctct tgactcttgg gttcaaaaac aaagaagatg ggaaattttt ggaaaaacta 60

tcaagtagga agatccctac atttacagaa cataaaactc ccttcagtct gctgaccaaa 120

gaagacacag tgagacacat ggagacaatg gggaagcgaa tcttgccaat attggatttt 180

attagaagca cccaattgaa tgggagtttc cacgggtgct caggtgtgat ggagaagttg 240

caatatgcca gcctcctcag ccagctgcag agagtaaagg agcagtccca ggtgatcaat 300

caagcaatgg cagagctagc aaccattccg tatctacagg acgtcagtca acaggaggca 360

gaattgctgc agtcactaat ggcagatgcc atggacaccc ttgaaggaag aagaaacgat 420

aaagaacgtg tgtggaatac aatccaaaag gttggacgaa ttgaggactt cctataccaa 480

ttagaggaca gtttcttaa 499

<210> 10912
<211> 377
<212> DNA
<213> Canis familiaris

<400> 10912
aatccagatg aagtttctct tactaatgag tctttatctg attggatatg ccagaggagc 60

atcaggtcag cctgatgagc ctcctggctc tatggatcat caagcttcag ttcagcaact 120

ttcaggtgag tacttttcac ttggaaaccc atcagatggt gaggctttat atgagactgc 180

tgcaggtgag aacactttaa gtgagcacac ttcaggtgag catacttccg ttgagcactt 240

ttcagctgaa cattcttcaa ctgagcatac ttcaggtgag cacacttcag gtgaacacac 300

ttcaggtgaa cgtgctacgg gtgaacacac ctctagtgaa catgctacaa gtgagcacac 360

ttctggtgaa cagcctt 377

<210> 10913
<211> 398
<212> DNA
<213> Canis familiaris

<400> 10913
gaaggtattt ccatctgtca gcagcactta atttggaata acatggaact tgaagatgaa 60

ttttgcttga atgattacaa tatatcagaa ggttgtacct tgaagctggt attggctatg 120

cgtgggggac ctataaatac tagaagagtt cctatggaag atccacttag ggagatggct 180

gagtacatgg attccattcg agatgaggtc tgggagaaga cctcctgcaa caaacaagtt 240

acatttttgg tataccgaga aggagatcaa ctgaatttct ttcgtgtagt agatagggga 300

gatggcactt taacaccatt atctgaatct ttaagtggtg gttctgtgta taatttgtat 360

acggatgagg atgaagaaat tgagccttct ccttctgg 398

<210> 10914
<211> 38
<212> DNA
<213> Canis familiaris

<400> 10914
gcaaaaaggt gaagctgtcg gcatttggcc aggctttt 38

<210> 10915
<211> 431
<212> DNA
<213> Canis familiaris

<400> 10915
tgagtgaccg cttcagcggc gagatccccg atgaccagat ggcacatagc tccttttttc 60

cagatgaata cttcacctgc tcctccttgt gtctcagctg tggggctgga tgtaagaaca 120

gcatgaatca tggaaaagaa ggagtccctc atgaagccaa gagccgctgc agatactccc 180

accagtatga caacagagtg tatacctgca aggcctgcta tgagagaggc aaggaggtca 240

gcgtagtgcc caagacatct gcttccactg actccccctg gatgggtctc gcaaaatatg 300

cctggtctgg gtatgtgatc gagtgtccta actgtggcgt ggtctaccgt agccggcagt 360

actggtttgg gaaccaggat cctgtggata cggtggttcg gacggagatc gtgcatgtgt 420

ggcctggaac t 431

<210> 10916
<211> 178
<212> DNA
<213> Canis familiaris

<400> 10916
aggcaccaca aatcaaccat ccagaaagaa aactcgtctt ttcacatcat tcaacctaga 60

gtcctgccta atttcacctg tgactcagtt taggcaagtt atcaactaca gaacagccaa 120

tgtcttaatg gaaattaaaa aacagacctt caaaaatgct aggtttacaa tgagaggt 178

<210> 10917
<211> 430
<212> DNA
<213> Canis familiaris

<400> 10917
ataattcctg gcaactacac caaggatggc cccaggaaat ccgaaatcaa catcaaggac 60

gccatcgccc tggagtccac gcagcggccc ctgtcctacc gccaccaaag catcgccgac 120

tccctgctgc aggagccgtc agccttcagc gctcggaagt ccaccctcct gagagactgg 180

gtaatgagca ggacgtccga cgtgtcctac gagcgcaagc tgaggagcct catggagaag 240

ggcgcggagc ccaaggccga ggcggtgagg atgctgaagc ccgaggaggt gctgagctgc 300

cgatacctga ggttgtccaa gaacaacatt cgaaccttgc tcaagctgtg caaggatgca 360

ggcatgaatg tggacatcca tccccacatg gtcgaaggag agatagatgc caaaaaggtg 420

ttcgccccaa 430

<210> 10918
<211> 124
<212> DNA
<213> Canis familiaris

<400> 10918
agcatagccc tctaagcagc ttgtctcccc ggccacctca gggtccctct gtgttgggcc 60

ctcgcccccc acacaacatc ctctggtatg gcacaccaag tccttcaaac ctggtgcatc 120

cctt 124

<210> 10919
<211> 523
<212> DNA
<213> Canis familiaris

<400> 10919
aatcagagtc acaccgagaa tcgccacggg gccatcatcc cttttggcga aagtgtcttg 60

acacagtgtc aggatgtgga cctctccttc ccacggcaac cagagggatg cagtctcttc 120

aatggtacaa aaaggggaac actgtttctc acttcatacc gggtgatctt cgtgacttca 180

catgcagtca acgaccccat gttttctttt atgatgccat ttgagctgat gagtaactgt 240

accattgaac agccagtttt tgctgccaac ttcattaaag gaatcattca ggcagctcca 300

gatggtggct gggaaggaca ggctactttt aaattatcct tcagaaaagg aggtgccatc 360

gaatttgccc agttgatgat gaaagctgct tctgctgccg ccagaggagt tccacttgga 420

agtgtaaatt actggttcag cactccagga ctgtatgtaa ttactgggca ggggggttgt 480

gcaccccaca gatgccttgt ccagcatacc catttgttgt cta 523

<210> 10920
<211> 139
<212> DNA
<213> Canis familiaris

<400> 10920
cccagatgct cgaggagaat tcaaggatcc tcaagtttgg atatcagttt accaagcaag 60

gccctcgaac aagggtggca gccgccatca caaagaataa tgacctggtt cgtaaaaagc 120

gagtcgaagg agaccgaag 139

<210> 10921
<211> 334
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (133)..(133)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<400> 10921
agggcccaag agcacgttcc caaatacgca tcgctttcag ttagttattt caaaagcacc 60

cagtggggac cttttggata aacattctga actcttttcc aacagacatt tgccattcac 120

tccacgcact ttnaaaacag aagcaaagtc tttcctgtca cattatcgat attacacacc 180

tgccagaaga aanaaggatt ttacagatca gcggatggaa gctgaaaccc agactgaatn 240

aagcagcttt aaatctgatt ttgagacagt tgacaccaag aacttcacag attcagaaga 300

gaacataaag caggcatcta actgtttgac agat 334

<210> 10922
<211> 466
<212> DNA
<213> Canis familiaris

<400> 10922
ggaaacagtt acgaccacca cagtggttct tagtgatcac aatttagaga tagcacgact 60

acaagaatca ataagacttt gggaacaaga ggtcaaagaa ttgaagaaat cctgtaagat 120

actggaggat aaaatacaat tttttgtaag taccaaagaa aaactggaag agtcatctgg 180

ttttgaaaaa ggtgaacttt tacaaaagat aacacagatg gctgaaaaac tacacaaaaa 240

tcgtttggag aacaaagatc tacaggggaa actgcatact cttaccagac aatataagat 300

tgtcttaagt gaggaggata aacttttat gcagaaacag aaaatttacg tggaaaatca 360

gaaacaactg acatttatta ctcagaaaga aaacttcctg tcacaaagaa aagtagacgt 420

caaaaatatg gaagaaggac ttgtcacgct ccatgatctt cttcag 466

<210> 10923
<211> 333
<212> DNA

<213> Canis familiaris

<400> 10923
cagcgggttg gtagcggtct ccccagcggg agccaggtgg catcccgctg tcccagcgtg 60

gcccttgccc aacagaacca ggtggccaca ctgcccgtac ggctcctgag ggacgatgtg 120

gtgactgcgc agaacaactt ccatgcagag aatggcttcc agatgaaggt ggatgcctgt 180

ggctttgccc cggaggagct ggtggtgcaa gtggacggcc aatgtctgat ggtgaccggc 240

cagaggcaac tggagggctg cagcccagat ggggctggct accgtgtggc gcagagggtg 300

catcggcaga tccaactacc accggacctg gat 333

<210> 10924
<211> 216
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (32)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<400> 10924
agcaccgctg tgtctgccag gacagtatgt cnnacgnnnc acaaagctgc cgacagacga 60

acgtncaana agttcaaatg tgacaaaggt cacctggtga aatcagaatt acagnnanct 120

agcccctcag agtgaccgtg ttgctgtgcc canaatacca cccgagagcc ctggtaacag 180

tgagcctntg gggtttgcca aagagcacgc gctgcc 216

<210> 10925
<211> 462
<212> DNA
<213> Canis familiaris

<400> 10925
ggagcagaat gcaaaccacc cacaccggat cgaaatacag aacatcttta aagaagccca 60

ggccctggtg aaagagaaga ttgtgccgtt ttatagtggg ggcaactgtg taactgacga 120

atttgaagaa ggcatccagg atatcattct gaggctgaca catgtcaaaa ccgggggggaa 180

gatttctctg cggaaagcac ggtaccacac cttaaccaaa atctgtgcgg tgcaggagat 240

catcgaagac tgtgtgaaaa agcagccttc tctgccactt tccgaggacg cgcacccttc 300

agtggccaag atcaactcgg tgatgtgtga ggtgaacaag gccagaggca ctctgatcgc 360

acttctgatg ggggtgaaca ataatgagac ttgcaggcac ttatcttgtg tgctgtcggg 420

gctgattgca gatctggatg ctctagacgt gtgcgggcga ac 462

<210> 10926
<211> 324
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(108)
<223> n is a, c, g, or t

<400> 10926
gcaaaaacac agtcttctgt ttccaangca ccccagcatt caatgcagac tccacagaaa 60

actgctgtaa tattaccaac acagcagatc aggaaatcaa gccgcannaa gccacctcca 120

cagacttcag tccctacaaa gggaagtgct gttaaaaatc tcacaccaag gaagaaaggc 180

cccaaaaagg aaaaatatat tcctgttttg tgttctacat cttcagcttc tataaattcc 240

ctgaccagag accgtcgtgc ttcatataag gatgttactc ctggcacatc taaaatagtg 300

atgtcaacag tgtgtgtcta tgta 324

<210> 10927
<211> 550
<212> DNA
<213> Canis familiaris

<400> 10927
tagcctgtgg cgcaaacgtt aactgtgcca tctcctccac agggaataca gccctcaagc 60

tggcagtgtg caccgcatcc agcaaagccg gccgactgct ggcagcaggg gtgagctgca 120

tccgtttgct gctaattcat ggagccaaag taaatgcccg ggaccataaa ggtcaaacag 180

ctatccatga ggcatgtttt ggaggcagag aggcaataat caatctcctg cttgaatttg 240

aagcaaacgt taacatatta acaagaaacg gggagtctcc gatatacatg tacctccagc 300

gaagttccaa catcagggac acagggcttc tcgccaagct attttaccgc tcttatcctt 360

taagactaac caataaccaa gggattctac ctgcaggaat catgctgcca gaattccacc 420

tcttaaggga aaacctaata aagttatctc aaaaaccctt atccctagag gacatctgta 480

aaagaaacat cagaaatatt tacggtgaga aatacaaaca acacttaaag caacttctcc 540

cagtgcagat 550

<210> 10928
<211> 393
<212> DNA
<213> Canis familiaris

<400> 10928
tcagtcaatt gaatccggcg gcatcgagta tgactggaac ttaacatcac ttaagaagat 60

ggagaagacc tctgcagagt ccaaggattg ggagcaagtt gaagatagca aatcccagga 120

ctgggagaaa cattttctgg atgccagtgc aagcaagcca agtgactgga atagtgagct 180

ggatggggac tggcaggcac ccatgctaca gaagcctcca taccaggatg gcctgaaacc 240

agagggtata gacaaagaca tttggctcca ccagaagatg aaaaacacca actatttgac 300

agaatatgac ctctccgaat ttgagaacat tggtgccatt ggactggagc tttggcaggt 360

gagatcagga accatcttcg ataacttcct gat 393

<210> 10929
<211> 177
<212> DNA
<213> Canis familiaris

<400> 10929
atggcggcgg ctctgtccgg cctggctgtc cgcctttcgc gctcggccgc cgcccgctcc 60

tatggggtct tctgcaaggg gctgactcgc acgctgctca tcttcttcga cctggcctgg 120

cggctgcgca tcaacttccc gtacctttac atcgtggctt cgatgatgct caacgtc 177

<210> 10930
<211> 305
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (212)..(212)
<223> n is a, c, g, or t

<400> 10930
cttactatgg gaccagtctt ggaagggcct tctgttggaa atttgactag tagtttactg 60

ctggatagaa atgttactcc aagagaaaat gtaatgattc ctacctcaag gccgcagact 120

tcagttagca acattgaaac tcacttgttc aagatgcagc agatgttgga agacngtata 180

atcagagaac taaaagaagt tgctcatgat tnagaatcag gattctgtag atcttctcct 240

ttaggaccta ctgacgaatc aaatgtaaat caagatcata gtactgcaag catcacgaga 300

atatg 305

<210> 10931
<211> 398
<212> DNA
<213> Canis familiaris

<400> 10931
tcagtgaacc actaccaagc cctgtcaatc ccagcactaa ttctaatggc atgaaagatg 60

atccacatgc tggaggtagt atgatgatgc cacccatcaa tctaactagc agtaatttga 120

tggcttcaaa tcccaattca aatctttccc atccaaattc aaggttgact gaaagagcaa 180

aaaagagacg tacctcttca caatctattg gacaggttat gtctaattac aggcaagagg 240

atgcaggtcc cattcaaagc caaatggaga aaagtgtatt taatgagcga acaggtcaaa 300

gtgaccaaat ggcaaatgga cacaaaagaa agctgaattt ttccagatct gacaggaagg 360

aattccattt cccagaactg cctttcacaa tacagccc 398

<210> 10932
<211> 435
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<400> 10932
gtatcacagt aacagggccc aacgtaaagg ctgttgctac cgctgnggaa cagatctacc 60

catttgtgtt tgaaagcagg aaagaaattt tataatccat cactcaactg gttagaacct 120

aactgagcac cttttaaaac ctgccgcaca ttggactcaa aacaaaagga aaactggacc 180

aacagtaatt gaggatatag actcttatat tcattcatgg ctgcagtgtg agctccaggc 240

cctttgggtt ttatttcaga ccttgctgta atataaaaag gaagtttaca agacatgaca 300

ttgctgcttt tacaaaagga cattctattt attttcgcag taattctcat gtccccgtaa 360

gcagagctgt cacagtgtgc actaccttaa actgtttcgt tagtgtcatt atttttccc 420

agtttgagct aatgt 435

<210> 10933
<211> 438
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (33)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (142)..(142)
<223> n is a, c, g, or t

<400> 10933
gctggaatcc agttagactc tatgaacagt tgnnncnnnn ggaagnannn nngcctgatg 60

aacgatggat gagctatgaa gaacgacacc tgctggatga actctatata acaaagcgac 120

ggctgagaga aatagaagaa cnactacatg gattgaaggc atcatccatg acacaaacac 180

ctgccttaaa atttaaggtt gagaatttct tctgcatggg atccccacta gcggttttct 240

tggcattgcg tggcatccgc ccaggaaata gtggaagtca agaccatatt ttgcccagag 300

aaatttgtaa ccggttatta aatatttttc atccaacaga tccagtggct tatagattag 360

aaccgttaat actgaaacac tacagcaaca tttcacctgt ccagatccac tggtataata 420

cttccaatcc tctacctt 438

<210> 10934
<211> 131
<212> DNA
<213> Canis familiaris

<400> 10934
agtacatgag tgactttctc tcgatgttta aaaaccagta cctgtggatg actaggaata 60

ctggaagcag catagtgttg acttaacaaa acaagaccgc ttgatcagct acaatcttgt 120

tctctctgtc t 131

<210> 10935
<211> 453
<212> DNA
<213> Canis familiaris

<400> 10935
agcactgttt actgtctcga cagcagggtc tgacaagtag ggtaatggcc cgacagctca 60

tgcctgaatg gatgaatgtt tgataaggct ccattacagc tgatcccaca gcagttactc 120

gcagggctca gtcaccccaa tggactgtta ggcacctgat agaaatgggg aagatgtgca 180

gttttcaggg tcagagcaca gctgctggta cagcagcttc acacaggtgc ccgatgaaga 240

acgagctgac gtcagaagga gaatgctcat cattaggggt ccagttctca ttgaaaccta 300

ggcagccttt catcaaaatc agacacaagc gaggtcttgt gtcatacata cagaccatga 360

gcgccccccct cccatcagca gcctcctgca gcccacgtca tagtcttcaa aacctgggag 420

cagcctctaa aagcctcctg acttatttga caa 453

<210> 10936
<211> 79
<212> DNA
<213> Canis familiaris

<400> 10936
aaacaactgt agatctggtg atccaagacc tcagccaaca gagcctcctg atcacttaac 60

aattgtcatg ggagataat 79

<210> 10937
<211> 146
<212> DNA
<213> Canis familiaris

<400> 10937
gtctagtgtg aagagaccac ccagacatct catagacttg gcaattccac ccaagagaga 60

aagtcaacat cagcctcaat ttgaccaaca aactctcatt cgatatattt gttttcgaag 120

atatttgcag cctgcggaac aatggt 146

<210> 10938
<211> 396
<212> DNA
<213> Canis familiaris

<400> 10938
gctgccatcc gacttcgaga atttattgac caccgcccag tggtcccatc cagtatattc 60

atcactcatc aaggaaagga catccaagga tattacactg ggcagctggc aagagtccat 120

ttcgagtcta gtgtgaagag accacccaga catctcatag acttggcaat tccacccaag 180

agagaaagtc aacatcagcc tcaatttgac caacaaactc tcattcgata tatttgtttt 240

cgaagatatt tgcagcctgc ggaacaatgg tataaggaaa ccacctatca aagagactat 300

tctctgccat tttacaacat gggttgcaac cagaaattag ccacagtttc atcaaatcct 360

acaccactaa attcactgcc agagttctac tgttgt 396

<210> 10939
<211> 552
<212> DNA

<213> Canis familiaris

<400> 10939
ggcaagatat ccagacagct agagaaagac aatgagcagc aaacattatt ggatattcag 60

cagaatttac agattgctac aactcaaaga ctagaggata aaattcagaa acttcagaaa 120

cagctcagtg atttgaaatt gtcaaataaa agtatgaaaa ctcaacttac aagagtaaat 180

gtccttaagg acaaaacaat tgagaagctc aggcaatctt taacacaagt tgaagcaatg 240

gaagggaagg cagttatgaa agcagagaac ttgaaaacta cattagactc tgccaagcaa 300

gaggcaagag gagacaaaga gaaagtccac cagatgttaa atgctgtcac tcctgagctc 360

tgcacagcaa agaacatgct tgataaagta ccaggacaac aagagctttc tgattttcga 420

gaaactatta tgaagatgtt gggatttaat gtgagaacag ctgacaagaa aatcatcaat 480

cacctaaggc ttgttataca agattatgaa gcatctaaga aatcaaagat tgcttctgat 540

tgtaagacta ga 552

<210> 10940
<211> 556
<212> DNA
<213> Canis familiaris

<400> 10940
ggagtcgaca tatctgcaaa agcaccttgg gacatgtcta actcaaggtc ttgcagaagt 60

ggcaagaatt cgcccagtgg atccaataga atatttagca ttgtggattt ataaatataa 120

ggaaaatgtg accatggagc aactgagaca gaaggaaatg gctaacttgg agcgggaaag 180

agaactagct gagattgagc aggagatgat ggagaggctc aaagccgaag aactcctgtt 240

tcagcagcaa cagctggcat tccagctgga gctggaaatg caagaaaaag agagacaaag 300

gatagaagaa ctacagagag ctcaagaaca attagagaag gagatgagaa tgaatatgga 360

aaatatagct aagagtgaag atagttcaca tgcagaggat gtaacatcag actcaggcaa 420

aacactagct gaaatcagtg accgatatgg ggcccctaac ctgagcagag tggaagaact 480

tgacgagcca atgctctctg atgttgcatt aaacattgat caagatttgt aggatcaacc 540

aacctaagag caataa 556

<210> 10941
<211> 99
<212> DNA
<213> Canis familiaris

<400> 10941

gtgccacaac actctacggg aaggtctaca tatgtggtgg ttttaacgga aatgagtgtc 60

tgtttacagc agaagtgtac aacactgaga gtaatcagt 99

<210> 10942
<211> 525
<212> DNA
<213> Canis familiaris

<400> 10942
gcaacctttg cagccatgat tggagctgga atactggtac aatcaatatc atatgaccag 60

agcccaggcc caaagcatct tgcttggtta ctacattctg gtgtgatggg tgcagtggtg 120

gctccactga caatattagg ggggcctctt ctcatcagag ctgcgtggta caccgcaggc 180

attgtgggag gcctctccac tgtggccatg tgcgcaccca gtgagaaatt tctgaacatg 240

ggagcacccc tgggagtggg tctgggcctc gtctttgtat cctcactagg gtcgatgttt 300

ctcccaccta ccactgtggc tggtgccact ttgtactcag tggcagttta tggtggatta 360

gttctcttca gcatgtttct tctctatgat acgcagaaag taatcaagcg tgcagaagta 420

ataccagcgt atggagttca aaaatacgat cccatcaatt cgatgctgag aatctacatg 480

gatacattaa atatatttat gcgagttgcc agtattctag cgact 525

<210> 10943
<211> 374
<212> DNA
<213> Canis familiaris

<400> 10943
gcttccatgt ccaagaagtc tgacagaggg gaagaacaat gccaggacaa tcaagaactt 60

gactttatca gtgggatgaa gcaagtgaac cgccaattta tagatcaact ggtagaatct 120

gtgatgaagt tgtgccttat catggctaag tatagtaata atggggcagc cctcgctgag 180

ttggaggaac aagcagcctt ggcaaacaac cccaattacc aggttggtgg ctccaggtgt 240

agtcaagatg gtgcgatgtc acagaaccat caggactctc ctggacctga agtcatagtt 300

aataatcagt gctcaacaag tagcttgcag aagcagcttc aggctgtcct gcagtggatt 360

gcagcctccc aatt 374

<210> 10944
<211> 493
<212> DNA
<213> Canis familiaris

<400> 10944

tttatagaac aaatggccct gaaggagcta gtactccagg ctgcgaaaga ggaagaggag 60

acctttcgaa aggctatgct cgcaaagctt gctgaagacg atcggataga actgatgaat 120

gctcagaaac aaagaatgaa gcaactagaa cacaggaggg ctgtggaaaa actcattgaa 180

gagcgtcgca accagttcct tgcagacaaa caacgtgaac tggaagaatg gcagttgcag 240

caaagacgac aaggatgcat taatgcaatt attgaagaag aaagactaaa acttcttaaa 300

gaacatgcta caaaattact aggatatctc cctaaaggag tatttaaaaa agagggtgat 360

atcgatatgc ttggtgaaga atttaggaaa gcatatcaga aaaggagtga aatttgtgga 420

gagaaatgat accatcaaga tttggtaaaa cccgaattgt ttttaccact agatgtcacc 480

gtaacttttg ttt 493

<210> 10945
<211> 435
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (311)..(311)
<223> n is a, c, g, or t

<400> 10945
gattgaagag gcagatctac agccgccaga gatgaccaca ctgaagagtc caaaggaagc 60

ccaaagaaag tcgcctgagg agaaaaggac agagcctctt gaagagacca aatcagaatt 120

tcttgaagaa aaatcaagaa aatcaattng aggaaatagg tctagggcca tcaggaaaga 180

ccaaaccaga agttcaggtg gagacactga aagaatcaac tgtggagaaa gttttagaac 240

cactagagga aactaaacca tcagagcaaa aagataagca aagaaaatca acggaggaga 300

cgggactagc nccaccacag atgtccaaat cagaggagac tgtaggagag tcaacagagg 360

agaaaggtct agagccaaag tttccaaaga tagaaccaag aaaatcaagt gaggaaacag 420

atcaaatgcc accac 435

<210> 10946
<211> 453
<212> DNA
<213> Canis familiaris

<400> 10946
gcaagagccc gtccaacaag gatatagccc tgatggaggc tgctcgtgcc aacaatgtcc 60

aagaagtcag caggctcttg tcagaaggtg cagatgttaa tgcaaggcac agacttggct 120

ggacagcact tatggtggca gccatcagcc gaaacgacag cgtagtacgg atcctgcttg 180

ctgctggtgc tgacccaaac cttggggatg atttcagcag tgtttataag actgcgaagg 240

agcagggaat ccattctttg gaagtcctgg tcacccgaga ggatgacttc aacaaccggc 300

tgaacaatcg tgccagcttc aagggctgca cagccctgca ctatgctgtc ctcgccgatg 360

actatcgcac tgtcaaggag ctgcttgatg gaggagccaa ccccctgcag aggaatgaaa 420

tgggacacac acccttggat tatgcccgag aag 453

<210> 10947
<211> 366
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(155)
<223> n is a, c, g, or t

<400> 10947
gaatctccga ggtgacagac gtgaagaata agctgcagat acagctggct aagacgctgc 60

aggagatctt ccaggcggag aataccatca tgcttctgga aaggtccatc atggccaagg 120

agtgcccgct gaaggtggcg cagacgaggn tggantgccg gacccggcgt cccaatgtgg 180

agctgtgcaa ggacatccca caattcaagc ttgtgaatga ggtgttcacc attgatgaca 240

ccttacagac cctcaggctg agactgcggg agacgcagga cacgctgcag ctgctggtaa 300

tgaccaagtg ccggctggag cacgagctgg ccatcaaagc caacaccctc tgcatcgaca 360

aagaga 366

<210> 10948
<211> 141
<212> DNA
<213> Canis familiaris

<400> 10948

gtggtcactc atcgttccta aagaattaag gccgtagaaa gcatgtgtgg caatgactgc 60

ggtttacttc caagtcagta tgcataaata ctgttacact attctaggca atatccttgt 120

acacattact gaaggcactt t 141

<210> 10949
<211> 432
<212> DNA
<213> Canis familiaris

<400> 10949
aggagtgtca ccaggtccga ctttctcccc atgacccacc ctcatgggga cgagttcctg 60

cctgtgttgg ccagaggatc cgagcgggag acgggctaca gccgagtgaa tgagaggatg 120

ctgaacctca gggtgttgcc ttcaggccca gaacctagca gcatgagcca ccggcagttc 180

cagcccccac agcgggtaca acagacaaac attgccctgc tgggccggga gaccgtgggg 240

aacaaggagc ccacggggta cagccttaac aaccccagct acgtccggag cccctatgac 300

cccgacatgg acaatcggta cctgagcacc tacaaccaag ggtactttga gaatatcccc 360

aagggtctgg accgagaagg ctggactcga ggtggcatcc agccgcagaa gcctggaggc 420

tatgccctca ac 432

<210> 10950
<211> 488
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<400> 10950
acagatcttg ccctcgggta taagaactga gcctcccgtg attatcctag cttcttttct 60

tgattctcag cttgtgttct ttgattgttc ataatctggc ctttaaataa aaagggccat 120

catttcatta atgaaaaaaa agacttcaaa gaaatggtgg atccacccct ctccacctga 180

tttttccccc ttggaagagg cagcaataaa aaataccagg atgaagtttg gttttctgtt 240

ctggatccaa ggcaagaaga ttgagaatct ttgatgcctt acctgggacc ttcttcatat 300

tggattggac taaagaagct aaatgcnagc acaccctgga tgtgggcaaa tgaagatgca 360

ttcaacaatt ggttcaaaat tgaaggaaat ggaacgtgtg ccttcatgtt taagaagggc 420

ataagcagta ccagctgtga tgatgcaata aaatatatat gcagcagaga agccctttgt 480

ctttagat 488

<210> 10951
<211> 475
<212> DNA
<213> Canis familiaris

<400> 10951
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ccttcgtctt cctcagtatg tttgtgggtg taatgatcat tcacactgag gactccatta 120

aaaagtttga gcgggagctg atgctggaga gacatgtgac actcatggaa gagaagcagg 180

tgattgtaag gcggcagcag gaagaggtca gcaagctgat gcagatgcag aaaaacgctg 240

actacaaaag ttttagtgag ctggtggaga acttcaagaa gaccctgcga cacacagacc 300

ccatggtctt ggatgatttt ggcaccagcc tgcccttcat cgatgtctat ttgtccactc 360

tggacaacca ggacaccaca gtctacaagc ttcaggagct gtactacgag attgtacacg 420

tgttgagcct gatgcttgaa gacctgccgc agaagaagca gtcccagtcc tccga 475

<210> 10952
<211> 527
<212> DNA
<213> Canis familiaris

<400> 10952
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ctgataagcg atcgagtgtg cgcctcgctg gcgcagaaga tgcgtgagac cttggagctg 120

aaggaaagaa tgaatatgac cttaggactc atgaggggaa ctatccatcg gtgcacgaaa 180

ttcaaccagg aaatgtacat cactcggggc ctcatcaagg gtcctctgtc aaaaagtcac 240

ctggagactc gagagaaact ggatagacct ctggttcggg tgtaccagag acacgtgggc 300

acccagctgc ccgaagcctc gcgcctcgct cagggtactg acaagctgca gcgccacatc 360

tcgcacgtgg aaaaaaacct gaaggagctg ctcgccacgc acaagaacct caccgggagc 420

ctcaactgca agaagaccgg gtatgaagtg gactacaatg tggtgcgcct gcgcctccgc 480

cagcggcacc cgcacgtgtg ctacgagcag gcgcagcgtc tggtcaa 527

<210> 10953
<211> 383
<212> DNA
<213> Canis familiaris

<400> 10953
gggcttcccc tgaatatgct tgaaaaacac agcccttggc cagcctatgt cacatatatg 60

tctccaatgg tgaaaagact cattgagaaa agcaaagcta gagacctgga atgcaagcaa 120

gcacttgagg aaagccaacg gacatcccgg cagagcaagc cttccagcat cacacacctg 180

aaaaggagaa agtcatctaa gtcctctgga aatatggtgt tgaaggacac gaggtcagag 240

gccatgttat cgatgtggag ctcgtactct gtaccgactg tgggtcctac tgttatcccg 300

gagccagtgt gccttcatac ggattccaga gaaaatccca ctgcaaacta taacaagatc 360

atcttccctc gaaaacctat gat 383

<210> 10954
<211> 486
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<400> 10954
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cagcccttgg ccagcctatg tcacatatat gtctccaatg gtgaaaagac tcattgagaa 120

aagcaaagct agagacctgg aatgcaagca agcacttgag gaaagccaac ggacatcccg 180

gcagagcaag ccttccagca tcacacacct gaaaaggaga aagtcatcta agtcctctgg 240

aaatatggtg ttgaaggaca cgaggtcaga ggccatgtta tcgatgtgga gctcgtactc 300

tgtaccgact gtgggtccta ctgttatccc ggagccagtg tgccttcata cggattccag 360

agaaaatccc actgcaaact ataacaagat catcttccct cgaaaaccta tgatgaggat 420

gcttccngta cagctccctt ctagccagca aggaaaaaca ttcaaatatc tagcagggag 480

tccctg 486

<210> 10955
<211> 178
<212> DNA
<213> Canis familiaris

<400> 10955
gaatatctac actgatagaa ccagttatct ccaaacaact gccaaagaat ctcaaaaacc 60

aagaaagatt cttaggagga tatggtggaa acacttcaaa aagatcataa tcatcactgt 120

ggtaattctc ctttcaatca tcatcattct tttaagtaca aatgtaatac caacctga 178

<210> 10956
<211> 113
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<400> 10956
ccatctgcat ttccttacaa atgttagtga tacttttctg agaaatcctt tgatgtcgca 60

agancatttt tctccttcaa atgccgttgc tgcagatttt caacaagtat tag 113

<210> 10957
<211> 520
<212> DNA
<213> Canis familiaris

<400> 10957
gagatgctaa aacctcttga agataagaac aatctcttat tccagaagtt gatgtctaac 60

ttggaggaaa aacaaagaag cctgcagatc atgaggcaga tcatggcagg gaaggggagt 120

gaagaatcct cagtggtgga gctcattaag gaagcagagg agatgaagca gaatctggaa 180

aggaaaaaca agatgctttg gaaggaaatg gagatgctat ggaacaagac attcgataca 240

gaagaccttg gtgatcaaca aaaagcacca cagataaaaa acaaagcaga cttgcaggat 300

gggaaggcaa gctctttctt ccaccaggaa aagcaacaga ggaaaatgga atgggtcagg 360

taccaggaac aagccaacat ccttcagaat gactttaatg gcaaagtgat tgagctgaga 420

attgaagcct tgaagaacta ccagaaggcc aatgacctga aattatcact atacttacag 480

cagaatttgg aaccaaagca agcatatttt catcttcctg 520

<210> 10958
<211> 560
<212> DNA
<213> Canis familiaris

<400> 10958
gcccctgaca ctgacgacga ggagaagccc ccacatcagc actctgcagt ctgctcccac 60

aactgggatc accccacaga ctgggaaggc ttccagtcca caaagggctt ctggggcccc 120

tggccccagg atgctgtgga gcccgctccc cagaccattc gcttccagca gaccatagaa 180

ggcaggcccc tgaaaggcga gatgcagtca gagatgggcc tagaggccta tgtgtaccct 240

gtgaatcccc cgcccccaag ccctcagacg ctgagccaca agaacagcgg agcggggccc 300

agggcccaag ccgagcagga gcaatgcgcc cctgcccctc ctgccccacc gcctgcccgg 360

ggcccagcaa tcgtccctga catcccccgg tgccgctcct cgggccgtgt agtgtacgat 420

gcccgtgatg tgaggcggcg gctccaggag ctgacccgag aggtggaggc cctgtctcac 480

tgttaccccc tgggctccag atccagcaat gctgaggaga caggcaagga ctgggtgtac 540

cgttccctga cagagaggtg 560

<210> 10959
<211> 587
<212> DNA
<213> Canis familiaris

<400> 10959
gccagctgct ctatgactcc tgggaccagc ggcggcgggg caccgagggc tctgagcctc 60

cttctgccct ggtgccccgg ggctcccggc ccgaggcccg ggagcactgt tctccacagg 120

cccacaggcg gagcctcccc agccatgcgt acagccagct caaccgcagc ccccacccat 180

ccaccggcca cttgggctac agctcccggg atccccacga ggttcggcgc cgagcggctg 240

aatgggcaga ggccctaccc gctcggcacc ccctaacagc ctctgcctcc ctcactatat 300

tgggtgagac ctcataccaa cgggccccag cccccagctc ggccctggtc ccccactctt 360

cccagcccct gtctgccgac caggctcccg agccccccca agcccagccc accttcatgc 420

cgctcagcag gaccccaggc ggcaatgcag gctaccaggt gtatgacagc ctggagctga 480

agcgacaggt gcaagagagc cgagcgaggg ccagctctct gcctccacct tccacctcgg 540

cctccaggcc ctccctgcac aggagccgga ccgggaagct tcactga 587

<210> 10960
<211> 555
<212> DNA
<213> Canis familiaris

<400> 10960
agtggacccc acctacttat ggattgggcc taatgaaaag ccattaacag taaatgatcg 60

aataaatata actaaaacag gaaagctgaa ggtgaaagat tttctggagg ctttgtctgg 120

actttacacg tgtactcttt cttataagac tgtcagagca gaaacccaag aagaaagtat 180

agtaaagcaa agatatgact ttctgatctt tgtcaatcct tttgcaccag ggtggaaagg 240

tgcatgcaag gattctgttg attgtgaaga taccactaat cataatatcc tccaggcaag 300

agatcggata gaagaatttt tccggagcca agcatacatt tactaccacg actttaataa 360

aactatacct gctatgcact ttgtggacca cagttttcaa gtagttcgtt tggatagctg 420

tcgtccaggc tttggaaaaa atgatggtct acacagtaat tgtgctagct gttgcgtggt 480

ttgtagtcct gggactttta gtcctgatgt tgatgttact tgtcagaact gcgtttccgt 540

ccgtatttat ggagc 555

<210> 10961
<211> 514
<212> DNA
<213> Canis familiaris

<400> 10961
atgaagctgt cataccatcg gaaagtgaac cagctaaaat aacagaaaaa gaaaccttga 60

aacataaaac atttagaacg ttttctgtac ccttgaagtc agaggaaaca gaagacatct 120

atcaagatta ctatccaggc atgccaaatt actttcaaaa aagtagaatt caacaagaat 180

cttcaaaacc agtttctcgt aagaaggaag aaaaaccaaa gggaaaaaag gatcaaactc 240

atggttgtcc agaatttaag aaaaaaaggc ttgtgtcata tgatagaata gaaccagagg 300

atgatgatgt gacaagacat attattagac taagagaaaa gtttggttgg cagacagtgt 360

taccacagca ctatttggag tacagaagct tcaaaattgc aattcagaag attattctaa 420

aggaaccttt aaaagatgat ggagaattta tatattgcct tcctcggaaa aatagtcaag 480

ttctctataa tccatatgat cttcaggtgg tctc 514

<210> 10962
<211> 247
<212> DNA
<213> Canis familiaris

<400> 10962
gaaaccgcca agacgaaaat gctcgtcatg gaggagcgca tacagctgca acagcaggcc 60

gtgaaggccc tccgtgagga acaggactcg cagaaacacg gatttgagac agaaatcagg 120

gaatacaagg agcaaatcaa acagcactcc cagacgatcg tgagcctcga ggaaagactc 180

caaaaagtga ctgagcacca taaaaaaata gaaggagaga ttgcaacctt gaaggacagt 240

gacccag 247

<210> 10963
<211> 455
<212> DNA

<213> Canis familiaris

<400> 10963
agctctgaca caggactgtc cttgtatctg gaatatctcc tggtatatta taaaaaaatt 60

acaagccaaa cccaggaact tcagatcaag atccacagct ctcaggaaac ccagcagtct 120

tttatgcaag agaagttgca ggagcatctg gcagagaagg agaagctgaa tgaggatagg 180

ctgcagcaag aggagaagct gaaagccaaa atcaagaagc tgatggaaga gaaggcggct 240

ttggaggaaa gcatcactga agagaaaaac agagcaaaag aagcattaga agaagaacag 300

aagagaatcc aagagctgga gaatcgctta gcctgccaaa agaaggtttt ggagaccagc 360

atggcccagg agaaaaggaa ggcaaaggaa gctttagaga cagaaaagag aaaagtgcaa 420

gatctggaga accacttgac ccaacagaag gagat 455

<210> 10964
<211> 425
<212> DNA
<213> Canis familiaris

<400> 10964
atagcacaga catcacaggt tcaatggaca tcatggatat tgcagcgttc acagctgtag 60

agaccccaca tgagtacaca tgctcagacc ctgtacatgc ggtagaaagc attgatttct 120

cagatttctc cgatgtcact gatgtcaccg acgtcacaga tgttccagaa aatgaggtca 180

cagaggcccc agatataaat attgtcactg aagttacaga agtcacagac ctctgtgatg 240

tcccaaactc agaggtcata gtggtgtttg aaaatgatga tatactgagg gccaagcaag 300

aagaaaagga aaaaatggaa aatattctga agcctgggtg tctacgagat acaaaaagta 360

agaatgagtt caaagaatcc tcaaaacatg tcaccatctc aaatgtaaca ctgactttcc 420

aaggt 425

<210> 10965
<211> 388
<212> DNA
<213> Canis familiaris

<400> 10965
aaggctatat cagcgcagtg ctccgggacc agcgtattga cgacgtggcc atcgtgggcc 60

actcggacaa tcgctgcgtg tgggcatcac gccctggcgg ccttctggct gccatatccc 120

cgcaggaggt gggtgtgctc acagggcccg accgccgcac tttcctgcag gcaggtctga 180

gcattgcagg ccgccgctgc tgcgtcctcc gtgaccactt gctgtctgag ggcgatggcg 240

ttctggacgc acgcactaag gggctggatg ggcgcgccat ctgcgtaggc cacaccccgc 300

gcgtgctcct tgtgcttatg ggccgtcgtg gcgcgcacgg cggcatcctc aataagacag 360

cgcatgaact gatcaacggg ctccgcac 388

<210> 10966
<211> 352
<212> DNA
<213> Canis familiaris

<400> 10966
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atccatttca ctgggcttgg cttcctcaag caaaagttcc tttttctgaa gaaataagaa 120

atttaattct accatatatt tctgacatga attttgtgca agatttatgt gaagatcttc 180

atgaactttt taagaccgac agaagattta acaaagccac ttttgaaagt cagatgtctg 240

tgatgagagg tcagatctta aatcttactc aggcactgaa agacgggaag agtcctgtgc 300

agctggtaca aatgccttgt gtgattgtgg agcgcagtca aggtggaaat ca 352

<210> 10967
<211> 543
<212> DNA
<213> Canis familiaris

<400> 10967
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gagtgtgccc cccatctacg gagccctgca ggagctggtc cgaaaggggg tgtgtaaaag 120

gggagccctg cctcattccc ccactctcct gtctactgtc agcatctcct gtttcttctg 180

tgggaggttc tccatcagcc cttcccatga agtgtccatc ttcagatact gtgccccagc 240

cgcctacacc gccagccgct tcccccgata cctctataag aagatgcgat ggaacctgga 300

aaccacccca gagcccagtg gcaggggca agattcccat gtggattact acttcctgtg 360

ctatcgagat acatgggaag acacaggcaa gagcccggcc aattcgtgcc cccagatcca 420

gaagctgtgg tccattggcc gctgggtgcc gctgggacct gcggaggatg acctttattc 480

atggattttg tgcccgcagc cgccgggaga ctaccagcag ctgctgacca tcggcttcga 540

gga 543

<210> 10968
<211> 354
<212> DNA
<213> Canis familiaris

<400> 10968
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aatggctctg gctgtttttc gttgttgtgc tgtacgtgat actgaagttt cgaggagata 120

gtgagaagag taaggagcag aatccttccg gccttcgagg ctgtccattt cgctctccac 180

taaagaaaaa tcaaaatgct tcccccaaca aagactatgc attcaatacc ctaacccaac 240

tggagatgga ccttgtgaaa ttcgtgtcca aggtgcggaa cctgaaagtc gccatggcaa 300

ctggcagtaa cctcaagctt cagcacttgg aggtacctcc agagccacac aata 354

<210> 10969
<211> 362
<212> DNA
<213> Canis familiaris

<400> 10969
accctcttcc tacagactgg gatgtgctgt gatgcagcga ttatcaccaa ttccccacca 60

tggttgttag cttcttaccc tgaaggcaac ttgctccagt tgacccagga agaaattcaa 120

atcttgctgg cgagagaggg gagagagaag ttgtttcttc aaggaatcac ccttgcaggg 180

accaaatgct tattgattcg ggacaacctt tacactgagg gcaacaatac catggacctc 240

cgcaccaaag gccagagtcg gggcagccag gcagttactg tagttcagat tgaatctgta 300

taccttgtgg tgatgggaca aaaaggaaca gaaggaggtc ctctcaacct taaggctttt 360

ga 362

<210> 10970
<211> 87
<212> DNA
<213> Canis familiaris

<400> 10970
gaagactctg aatgaatgca cttatgtgtc agagtaggag agacaaaatt gagtgttgac 60

aaaccgtatg caaaccaata aaattat 87

<210> 10971
<211> 153
<212> DNA
<213> Canis familiaris

<400> 10971
aggtttcaac aaggcctaca tcctgttggg acagttcctt ctgatgcaca agaatgaagc 60

cgaatttcag aagtggctca tttgttgttg tggtgccacc gagagtgagg cccaggagag 120

ttctcactgt ctgaaggagt ggtgctcctg ctt 153

<210> 10972
<211> 466
<212> DNA
<213> Canis familiaris

<400> 10972
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cggtcacagg gtatcaccca ccacacgaga atggagcact acagaggaac tttcagcctg 120

tggtgtcatc ccaagtttga ggaccgctgt caatcagtgg tggagttcat taagagagcc 180

atcatgcatt ccaagaatgg gaagtttctc tatttcttga gatccagggt tccaggacta 240

ccaccaactc cagtccagct gctctatcca gtgtctagat tcagcaatgt caaatccctc 300

cagcaccttt gcagattccg aatccgacag ctcgtccgga tagatcacat cccggatctc 360

ccactgccta aacctctgat ctcttatatc cgaaagttct actactatga tcctcaggaa 420

gaggtatacc tgtctctaaa ggaagcgcag ctcatttcca aacaga 466

<210> 10973
<211> 98
<212> DNA
<213> Canis familiaris

<400> 10973
agaagaaagt gaaaccaccc aggattttga tcaccaaaga cgggaaagct ttgaatgtaa 60

atgaccccaa acttgacttc tccttgaaag atgatgaa 98

<210> 10974
<211> 445
<212> DNA
<213> Canis familiaris

<400> 10974
atcctggacc ttgctgtcta taggtatatg gacacctctt tgatcaatgt tgatgtgcag 60

ccaacttacg tgcgagtcac ggtcaaagga aagccattcc agcttgtcct tcctgcagaa 120

gtcaaacctg acagcagctc tgctaagcga tctcagacaa cagggcattt ggtgatctgc 180

atgcccaagg tagatggaat aatcacaggt tggcgaccaa cctcaaagtc tgggaagagt 240

accgtggaca gccgcagaga gcccacaaac caaagaagca agcaaattga gaaactagaa 300

gtagatccta gcaagcgttc catccctgat gtggctaaca tagttcaaga gaaaaaacac 360

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gaagataacc ctgaagtgcc tccat 445

<210> 10975
<211> 591
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (337)..(337)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (378)..(378)
<223> n is a, c, g, or t

<400> 10975
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ggtgagggtg gtacgaggag gaggaaaacc tgttagatgt gaagaagatg atgttctttg 120

tggaatgctg cactgtcgtg atgtncaaga aattcctggt ggaggtgacc atgttacatt 180

tcgtcacatn gtagtaacag gtattaatca agaaaaatgc tttggatacg atgcacacca 240

tgggacagag atcccagaaa tggggctagt tgtggatggg gcaacatgtg gcccaggaaa 300

atactgcttg aatcagaatt gtacttttta tcaaganttg ggttttgact gtgatgncag 360

tacatgcaat ttcagagnag tgtgtaacag caagaaacac tgtcactgta tgagaggttg 420

gaaaccccca acatgtgaag agaaaggagc aggtggtagt atagatagtg gccctccacc 480

tgacagagaa tatggttttc gaaccagaat aatttttagt atacaccaaa cattacttct 540

actgattatt cgtttaagtc tttttctgat ttcaggcatc actggtgcct c 591

<210> 10976

<211> 578
<212> DNA
<213> Canis familiaris

<400> 10976
gctatcaaga aatcaactcc ctgggaaacc gtttcggcca ctgtggtata agtggcacga 60

catacctaaa atgtaatatc tccgatatct tttgtggaag agttcagtgt gacaatgtga 120

caaatattcc ccatctgaga gatcattcta ctctgcagca aactcacatc aatggtgtca 180

cctgctggag tattgattat cacttgggaa tggacacacc tgatgttggt gaagtaaaag 240

atggcaccat gtgtggtaca ggaaagatct gcatacgcaa gaaatgtgtc agtttgtctc 300

tcttgtcaca agtctgcctg gctgagacct gcaacatgag gggcatctgc aataataaac 360

atcactgcca ctgtggctat gggtggtccc caccctattg cctacacaga ggttatggag 420

gtagtgttga gagtggccca gcatctgcca aaaaaggttt tttgctacta gttgtgagtc 480

ttattttatc tgttttgctt ttattgtcaa ctgctgtatt tatataccat agaaaaactt 540

tcggtctcaa ggagactaag gctcagtctt caggttag 578

<210> 10977
<211> 186
<212> DNA
<213> Canis familiaris

<400> 10977
gtgattttgt ttacactcct ggctggctca ccaccattct ggcaccgacg tcagatcctg 60

atgttacgca tgatcatgga gggccagtac cagtttagtt cacctgagtg ggatgaccgt 120

tccaacactg taaaggacct gatctcaaag ctgctacagg tggatcctga ggagcgcctg 180

acagct 186

<210> 10978
<211> 154
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(106)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<400> 10978
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atcgcaaatn gcaagaaaca tctggtactt tgtggntagt ctgtnntaca agnttctgnc 120

atactttcga gcatccagca ctatgagata ctga 154

<210> 10979
<211> 386
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (330)..(330)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<400> 10979
ggacttcgtc acacctgcat gagatcacaa gcaggcacca gcgcacagga aataccaagt 60

gcctattatg tgccaggcct ccgtgcgggc ggcgaaatac atgggtgacc aagatgtggc 120

ctgtgaattc actgagctta cagtctcgtg gagaccgcac agcgaangag gcagccctgg 180

tacagtggga tgcggcgcta cgaggagtcn ttcngggtgc aatagggnca cagaangacc 240

tagaacctca ccaagttccg ggatgaagtg gaaacattcc ctgagtgaag tgaacctgaa 300

ctgaaaccca agaggagtag ggagcacctn gaggggctca gtcggttaat ncgtctgccc 360

ttcagctcag gtcatgttcc cagacc 386

<210> 10980
<211> 442
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (349)..(349)
<223> n is a, c, g, or t

<400> 10980
tgggcagaag cctttgtggg tatcagaagt tcacatatca aatacatctg cccacatgca 60

ccagttatgc ctataacatt gaatatgaac atggctatgc cttcttggtt tgatattttt 120

gggctttcac cagattcaca ggaggatgaa cctggaatta aacaggcagc agaaaatgta 180

aaagctttga tagagcaaga ggtgaagaat ggcatccctt ctaacagaat tgttttggga 240

ggattttctc anggaggagc tttatcttta tacactgctc ttaccacaca gcagaaactg 300

gctggtgtca ctgcactaag ttgctggctt ccactacgga cttcatttnc acagggtcct 360

atcagtggtg ttaacagaga tatttctatt cttcagtgcc atggagattg cgatttttta 420

gttcccctaa catttgcttc tc 442

<210> 10981
<211> 512
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<400> 10981
agaattccat ccagtctcat tcagacaata agtgctccgg aacaacccag aaaacaccga 60

agaagatggt ggccattgac tgtgaaatgg tgggcacggg acccaagggg catgtcagtt 120

ccctggctcg atgtagcatt gtcaactacc atggagatgt gctctatgac gaatacatcc 180

ttccgccctg ccacatcgtg gactaccgga ntaggtggag tggcatccgg aagcagcaca 240

tggtgaatgc tacacccttc aaggttgcac ggggccagat cttgaagata ctcacaggga 300

agatagtggt gggccatgcc atccacaacg acttcaaagc ccttcagtac ttccacccca 360

agtccctcac ccgtgacacc tcccacattc ccccccctcaa ccggaaggct gactgcccag 420

agaatgccac tatgtctctg aagagtctca ccaagaagct tctaaaccgg gacatccagg 480

ttgggaaaag tggacattcc tccgtggaag at 512

<210> 10982
<211> 553
<212> DNA
<213> Canis familiaris

<400> 10982
gacctggcac tctacttcaa gaagaggaca atgttccaga agatcgtgga tgagtctaag 60

aactacgagg acaggaagag ctgggtggag tacctgtccc tggagacgac gcggaaggag 120

atagtcatag gagggcagga gcctctttcc tcaatttctg accaagcgct gacccccaa 180

gatgactgcc ttttatgcac ccacaaggtt gctctgttgg tggcggctga gttctgggaa 240

caaggggact tggaaagaac agttctggat cagcagccta ttccgatgat ggaccggaac 300

aaggcagccg agctccccaa actacaggtt ggcttcatcg acttcgtgtg cacgttcgtg 360

tacaaggagt tttcccgttt ccacgaagag atcctgccca tgttcgaccg actgcagaac 420

aacaggaagg aatggaaggc cttggctgat gagtacgagg ccaagctgaa ggccctggag 480

gaggagaagc agcaacaaga ggacaggacg acagccaaga aagcgggcac agagatttgc 540

aacggtggcc ccg 553

<210> 10983
<211> 253
<212> DNA
<213> Canis familiaris

<400> 10983
accagattgc ccctgcatac tggaggccca actcccagat cctgagctgt aacaaatgcg 60

ctacatcctt taaagataac gacaccaagc atcactgccg ggcctgcggg gagggcttct 120

gtgacagctg ttcatccaag acccggccag tgcccgagcg tggctggggc cctgcgcccg 180

tgagggtgtg tgacaactgc tatgaagcca ggaatgtcca gttagacgtg accgaggccc 240

aggctgatga tga 253

<210> 10984
<211> 191
<212> DNA
<213> Canis familiaris

<400> 10984
aagcaaggat cgtttctgtg gtacctctat ctagataagc tgtactgcct gctgtctgtg 60

aggaatgtga aggccttgct ggagtatttt caccttctcg atgtgcacca caacaacacc 120

ttgaatgatg tgctgttcta tcacttcctt cgtcatgtga ctagctggaa acggacacag 180

atcatgattg t 191

<210> 10985
<211> 558
<212> DNA
<213> Canis familiaris

<400> 10985
cctgctctgg gctatccatt atgaaaagtc accaggtgta cgactagaag cttgccgtag 60

catcctagcc ctcaatcttc aaggggatcg ggtcagagac accttcctag atgtgctgct 120

cctagagaat cacgaggctg ttctaaagga aattgaccag gcaatgaaaa tactcaactt 180

agaaaatgaa ggaaaccaag aaatgcttca ggagatcaag aacaggattc aaacactaag 240

ccaaaaggac ttgctgacac agaaaatatt caagatggag agggtcatag gaaaagtgaa 300

ggaggaagca aaacgtgttt acttgcaacc caaggagggg caaaaaccac tgaaactctg 360

tactttacta caagaaactt ttcaggatga agtggtgatt cctagaaaac cgtctgaaac 420

ttgtgacatt aaaacagtca taaagcctgt gaggccccac acaccaaatc cctggtcaca 480

gagtccagtc ctcaacctaa acacaagaag cagaagtcaa tcgtcatgtg tgaaagatct 540

acgcagtgcc cgggagaa 558

<210> 10986
<211> 214
<212> DNA
<213> Canis familiaris

<400> 10986
gatatcacca aagattagaa gcataatcat ctagaagaaa tgctggtagt atggctccat 60

gtatgtgttc aaaaatctct ccagcagata gtcttgtttt aggggctgtc cagattatga 120

ttggcatatt tcatgttttc atgtggtatt tcttattgat tttgtatatg ggacaaatta 180

gaggagtctt tgggacgtat gaacctataa ctta 214

<210> 10987
<211> 260
<212> DNA
<213> Canis familiaris

<400> 10987
aactggaatc cctctatttt ctcagcagga ttcaaagaac gtggcaagag gaaaaaaaag 60

aagcataaag aggtacagaa gaagtcaacc aaaagaaatt gttaaattga ctaatcagac 120

acattatgtt catataacaa ttgaacatga ctcgtgtgtg ttttggttaa tcagagtttt 180

gtagataaca tttaatactc tactaagatt atgtttttaa catgtttagc agcattgtgg 240

acatttggtc aaaggttatt 260

<210> 10988
<211> 471
<212> DNA
<213> Canis familiaris

<400> 10988
gccatgaggg ccttaattca ttttcctccc tggcatttga tgatagcggg atgggcaact 60

acatatctgt tacaacttca agtaagattg ctaatggtag aaatacaaat acacagagca 120

ttattgagaa tgatcaagaa agagaagttg ttgaagatga cggtgagttg aagtccttct 180

ttataaatgg tgtggcagat gaagagggct ttgaagaaga atgcacttgg agaagacagt 240

cattcaacaa ttattcacca aagtcctata gccccaaaca tgcaactcaa tatacttttg 300

tggacagtga tgagcaagat attccttggg tcaccagcaa ctggaatccc tctattttct 360

cagcaggatt caaagaacgt ggcaagagga aaaaaaagaa gcataaagag gtacagaaga 420

agtcaaccaa aagaaattgt taaattgact aatcagacac attatgttca t 471

<210> 10989
<211> 473
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<400> 10989
gacatgagcc tggtctggcg tccgcgggat gctccttgag ccccttctcc ggctgttncc 60

tccggggacg gttgtggcca caccgacacg tattttccaa ataaatcatt gttttattct 120

tgcggcggcg gggccgaaca cgctacttta tttttaattt ctttcaacaa gcctttaccc 180

agcactcatc cagcggaanc gcttggtgac cgtttgcagg gagcgtncgc tcgtaggaaa 240

tctctggact gagcagtcgt ggaagccggc gttggccgcg tccctcctca gatgctctga 300

ngactgctgc ggcttcccgt taaccccggt gtgcacagag ccccactcca ggaacgtctt 360

gatccagcga tgccaagaac tgacgtttca agctggaaga gcctgtattg tcctcataat 420

agtatagaag aattcaagtt aggagagaga ggcagcagcg aatgaagact ata 473

<210> 10990
<211> 335
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<400> 10990

gttcgtcagt ttatgatctt cacacaatct agtgaaaaaa cagcagtaag ttgtctgtct 60

caaaatgact ggaagttaga tgttgcaaca gacaattttt tccaaaatcc tgaactttat 120

atacgagaga gtgtaaaagg atcgttggac aggaagaagt tagaacaact atacaataga 180

tacaaagatc ctcaagatga aaataaaatt ggaatagatg gtatacagca gtnttgtgat 240

gacctggcac tcgatccagc cagcattagt gtgttgatca ttgcgtggaa gttcagagca 300

gcaacacagt gcgagttctc caagcaggag ttcat 335

<210> 10991
<211> 444
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<400> 10991
gcttcagaag aaacacctcc agcaggagaa ggagtgcctc atgtccaagc tggtagaggc 60

tgaaatggat ggagctgctg ctgccaagca agtcatggct ttgaaggata ctatcgggaa 120

gctgaagacg gagaaacaaa tgacctgcac ggacatcaac accttgacga ggcagaagga 180

acttctcctg cagaagctga gcacatttga agagaccaac cgcaccctcc gagacctgct 240

gcgggaacag cactgcaaag aggattccga aaggctgatg gagcaacaag gagctctacn 300

taaaacggct ggcggaggcg gactcagaga aagcgcgcct gctgttacta ctgcaagaca 360

aggacaagga ggtagaagag ctactccagg aaatacaatg tgagaaggct caagcgaaga 420

cagcatccga gctttctaaa tcca 444

<210> 10992
<211> 398
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (294)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<400> 10992
accatactgg agtgactcca acatgangga ccccnagagc taccatctgg ttatctgcca 60

gtttttccag ctgccttcta cccaacccag cacccccctcc cccttcccag aattcatgac 120

atcagaacac cggctttccc cttttccttg agactcanga gggccgaagc aacagccttt 180

tgctttttct ctctccccta ccaaggggtg aaggaaggga tccatcctat tgttcagagg 240

caccagctcc ctcccctaaa tcaggctgag aaggaaccan ccagctctta cctnctnctg 300

gttgttttct ttnccacccc antttatttt ttgtctcccc cccctnccca caaccccagc 360

ccctacctct gaagccattt tatgaactgt catgtgcc 398

<210> 10993
<211> 549
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (455)..(455)
<223> n is a, c, g, or t

<400> 10993
caagtgacaa aaccatcggc ggtggggatg actcgttcaa cacgttcttc agcgagactg 60

gggctggcaa gcatgtgccc agagcagtgt ttgtggacct ggaacccacc gtggtcgatg 120

aagtgcgcac ggggacctac aggcagctct tccacccaga gcagctgatc accgggaagg 180

aggatgcagc caataattac gccagaggcc attacaccat cggcaaggag atcgncgacc 240

tggtcctgga ccggatccgg aaactggcgg atctgtgcac agggctgcag ggcttcctca 300

tcttccacag tttcgggggc ggcaccggct ctgggtttgc atctctgctc atggagcggc 360

tgtcggtgga ctacggcaag aagtccaagc tggaatttgc catctacccg gctccccagg 420

tgtccacggc cgtggtggag ccctacaact ccatnctgac cacccacacc accctggagc 480

attccgactg tgccttcatg gtggacaacg aggccatcta cgacatatgt cggcgcaacc 540

tggatatcg 549

<210> 10994
<211> 243
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (92)..(106)
<223> n is a, c, g, or t

<400> 10994
aaatctcttc aagcccagga ggactcccgc cacagaagca cagagcataa aagtgtggag 60

ctgcggggtg cagagcctcg agcctcagag cnnnnnnnnn nnnnnnagag gaagttggac 120

cagcgaagca tcgacaagag gaacccagac cagcggaccg aagtgatttt tgattatgag 180

aaacagctcc gaaccctgaa ggatgagata gctgttctgt ctgctgaaaa atctgtgctt 240

caa 243

<210> 10995

<211> 588
<212> DNA
<213> Canis familiaris

<400> 10995
gttgtgtttt gtgactgtta ccttcaacat atactgtaat gtacaaattt ttctcttact 60

tggagacctg ttaaaaaata ctgaaaaata ttcagacttc tattttcttg catattggca 120

cacttattac aacaatgtaa ttgctatcac catctttttt gcatggataa agaacatgtt 180

cttggcaatt attaatgata cctattctga agtgaaagct gattactcaa taggcagacg 240

accagatttt gaacttggta aaatgattaa aaagagttac aacaatgctc ttgaaaagct 300

cagattaaag aaacctgaac aggatgaaga cataagtatg aaaggagatt tggctgagca 360

agccagaaga gaaggctttg atgaaaatga gatccaaagt gcagagcaga tgaaaaagtg 420

gaaagacagg cttgagaaaa agtactattc cacagaaatt caagatgact accagcctgt 480

cactcaacaa gaatttcgag aactcttttt atatgccgtg gagctggaga aggaattaca 540

ctatgtcagt ttaaaactaa accgagtgat gcgaaagctt tcagctct 588

<210> 10996
<211> 275
<212> DNA
<213> Canis familiaris

<400> 10996
ggtcactgca gagataacct tgccaccccc tgcacctgag acacaagtct gcaggccagc 60

tgaggggaga gatgcagaaa gacactttgg taccaccccc atctgcacct gtgatctcaa 120

acactgtgca gggtgcgagc cggcaggcca gcgtatcccc agcaagagcg agaatgggca 180

ctgcaccagc accaaagccc accggaagcc cagcatatcc aaggtgatcc tgggggtcat 240

ggaggacaag gggatgcaca atcctgtgac tctag 275

<210> 10997
<211> 413
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<400> 10997
agaattgctc aagcagccat ccttgggnca agcatcccaa gaacaggtgc cnaaggaaca 60

agaatcccnt ggaacagcca tccttgggac aagaagagat gacccaggga gaaaaaaact 120

aancaacaaa aaccatgaaa acaaaatatc agccacgttg taaagaacaa cagtcagaag 180

ctagaaagga ccagaaggca aatgaaaata aaattagaca ttttttttca cattatactg 240

aagagatggc ctgngagtgg ataccaataa actaaaaaaa atcaccnttt atatctactt 300

gacatcagtt tttcttcaat catcgtgctt ncatctcaca tatggacatt ttaacagcga 360

gaaaatcaca tctggattga aataagccca tacactctgt cttctcaaaa gct 413

<210> 10998
<211> 311
<212> DNA
<213> Canis familiaris

<400> 10998
gtccccgcca gtcggatatt tcattcgatt tccaagaggt tttcgcttga cccaagaaac 60

ggtgaaaatt gtgggatcat ccagttttcc agtgaaagta tatgttatgc tccatcaaaa 120

gagtccacac gtgttatgtg taaccccacg gctgcgaaat tcggaaatga tagatccatc 180

attccaatgg catgggccaa aaggaagaat tatttcagag aacagcactg cacaagttac 240

atccacagga agccttgtat tccagaactt tgaggagggc atgagtggcg tatacacgtg 300

tttcctggaa t 311

<210> 10999
<211> 374
<212> DNA
<213> Canis familiaris

<400> 10999
ggaaataacc acttctcagc aacaatccag aattcaggaa caggaggccc aacttaaaca 60

actagaagat gaaaaaagaa aatcagacga gcatcttaag agcaaccaag aattgtcaga 120

aaagctttct gggttgcagc aagagaagga agtgctacgt gaaaaatatg ggcaactttt 180

gaagcagttt gatgtccatg tgaggaacta taatgagaaa catcagcacc acaaagccaa 240

acttcgcaga gttaaggacc gtttagttca cgaagtagaa ctacgagata agaaaattga 300

aaaactagaa catgaaatca gaattctgca tcaagaaaag gaaaaggata aggcattccg 360

ggaccaggtc attg 374

<210> 11000
<211> 179
<212> DNA
<213> Canis familiaris

<400> 11000
atgaggcgtg cagtcaatcc gaatcacttg ctgagatgtt gccccatgcg aggtcactcg 60

tcgtgtagac gctgcctttg tgcagctgag ggaacagtac ctcttggccc ttgccgcaca 120

atacgtattt atattcacat gtgcctgttg tgggagcagg gccggcagat caccatgat 179

<210> 11001
<211> 456
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<400> 11001
aggatctccg tgctgcccat gtggtggagg atcacgcaca gctcccgctg gatagcgcag 60

gtgggcgcct cggagctcag cctcctggcc ttcgccctgc tgctggtcat ggtcttctcc 120

aagaggtggc tgcacccctc ccggagccgc ttctaccagc gctggccgcg cantgtcagc 180

accggcatct acacgtcggc ccacgtcatg tccatggggc tcctgcagat ctgcaggctg 240

aagagctgtt tcccctcgga gaacgggaaa gatagtttta agctgtggac gaatcaccca 300

gtctttggcg tggccattat aaccttctgc ctggcgctgg ggctgggctt tgtcttcacc 360

atctggctgc acctgccgta cctacctggt cttcagagac tgcctttctt tagctggatt 420

gggacaatca tgagcttctt tgaaggtatc ccctgg 456

<210> 11002
<211> 273
<212> DNA
<213> Canis familiaris

<400> 11002
gggctgcggc caaagagttt taccagaagt acgaccctaa ggacgtcatt ggcagaggag 60

tgagctccgt ggtgcgccgt tgcgttcatc gagctactgg ccatgagttt gcggtgaaga 120

tcatggaggt gacagctgag cgactaagtc ctgaacagct agaggaggtg cgagaagcca 180

cgcggcgaga gacgcacatc cttcgccagg tcgccggcca cccccacatc atcactctca 240

tcgattccta cgagtcttct agcttcatgt tcc 273

<210> 11003
<211> 231
<212> DNA
<213> Canis familiaris

<400> 11003
ttcatgtatt tccttcgagg cagcctaccc tggcaaggac tcaaggctga tacattaaaa 60

gagagatatc aaaaaattgg tgacaccaaa aggaacactc ccattgaagc tctctgtgaa 120

aactttccag aagaaatggc aacctacctg cgatatgtca ggcgattaga cttctttgaa 180

aagcctgact atgagtattt acggaccctc ttcacagacc tctttgaaag g 231

<210> 11004
<211> 240
<212> DNA
<213> Canis familiaris

<400> 11004
gaaaatgcca atgtcttggc ccgaggagca gagtctctac tcttcataga gagacctgac 60

ttctttgatt acccagactc agaccaagcc aggatcctgg ccgtggccca gtttattggg 120

gagaaacctg tcatctttgt taactcagga tccaactctg agttcttcca tcacatcctg 180

gtgggcgctc tggtggtggc cttcctcttc ctcctgtacc agttcttcat acacatgtaa 240

<210> 11005
<211> 134
<212> DNA
<213> Canis familiaris

<400> 11005
ccagttccac aggatctttg gaagctcccc aagttatttt cgccagatcc aaactcttgc 60

ccacacaatc tggagccctt gctacagtaa taggacagag aaaatcaaag tcggtgaagt 120

cagggccaat ttaa 134

<210> 11006
<211> 407
<212> DNA
<213> Canis familiaris

<400> 11006
aaacagaagc agtgcttcaa cccctcccac ccttcggcct gtcatcagtc ctagtggccc 60

aacatggtca gtacagtcag acccccaagc tcctgagagc cacttcaccc ctcctggaag 120

caggagcctt caaacaggtg gctttgcgtg ggagggagag gtagagaaca acacgtataa 180

caaggctaca ggggtggtcc ctcagcacaa gtatcacccc actgcaggca gttaccaact 240

ccattttgct ctgcagcagc ttgaacaaca gaaacttcag tcccggcagc ttctggacca 300

gagtcgagcc cggcaccagg ccatctttgg cagccagaca ctatctaact ccaatttatg 360

gacaataaat aatggtgcag gcggtagaat ttcaagtgcc acggcta 407

<210> 11007
<211> 512
<212> DNA
<213> Canis familiaris

<400> 11007
gaatcctgtg aacaagcttc tgaagccagt gaagcacaaa ctacagatag tgatgacata 60

gtgacaccag tatctctgaa atgtcctaag gcagactcgg agaagatgtg cattgaagtg 120

atctcgctgg ccttcaaccc agaggctgaa gtgatgggtg atgagactgt gaggcaggtg 180

tacgtagagt acaagttctg cgatgtgccc ttgtcagaga cagagactcc ggtgtccctg 240

aggaaaccga gggcaggaga agagatccac ttccacttca gcaaagtgat ccacctggac 300

ccgctgacgc acgcggcccg aaggcagttc ctgcgcgacg cgctgagcgg acggggccgc 360

gagcaaggac gtttaaagtt cacggtggta agtgatcctc tggacgacga aaaggaatgt 420

caagaggtgg gatacgcgtt tctggagctg cgccaggtca tggaatcagg agacctcgtg 480

gaacaagagc tagagatctt gagccccgcg ga 512

<210> 11008
<211> 518
<212> DNA
<213> Canis familiaris

<400> 11008
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accgcgaatt attacccaaa gaagcctctg acttcatacg ttcgattttc taaagaacag 120

ctacccatat ttaaagctca gaacccagat gcaaaaaatt cagaactaat tagaaaaatc 180

gcccaacttt ggagggaact tcctgaatca gagaaaaaaa tctatgaaga tgcttatagg 240

gcagactggc aggcatacaa agaagagata aacagaattc aagaacagtt aactccaagt 300

cagatcatgt ctttggaaaa agaaatcctg caaaaacgtc taaaaaagaa agcattaata 360

aaaaaaagag agttaacaat gcttggaaaa cctaaaagac ctcgctcagc ttataacatt 420

tttatagctg aaaggttcca ggaaactaag gatggtacat cacaggtaaa gctgaagact 480

ataaatgaaa actggaaaaa tctctctagt tctcaaaa 518

<210> 11009
<211> 294
<212> DNA
<213> Canis familiaris

<400> 11009
ttactacaaa cttcgtctgt ggccgaaagc tcattcatgt aaactgctca aacctccctc 60

agatggggat aacagatttt gaggacatga aggtaatttc tcggcatacg cgggcactcc 120

tgggaattga agagccattg ttcagacgct ccatcaccct gccctacagg gacaatattg 180

gcttattttt agagcaaaaa ggtcatactg gggtaaaatc tgattccttg acgttctctg 240

aatttgtgca agcagcagga ttacaggatt atgctccaaa aataactacc cctg 294

<210> 11010
<211> 498
<212> DNA
<213> Canis familiaris

<400> 11010
aagaaaactg catctcagcc ctgagcactg tagtaacttt tatgtggaac agtatgggaa 60

aatgtttttc cccaatttaa cagcttacat gagttctgga ccacttgttg ccatgatatt 120

agctagacat aaagccatct cttactggaa agaacttttg ggaccaacta ataccttagt 180

agctaaggag acacacccag acagtctaag ggcaatttat ggcacagatg acttaaggaa 240

tgcacttcac gggagcaatg attttgccgc agcagaaaga gaaattcaat tcatgtttcc 300

tgatgtgatt attgagccca ttccagttgg acaagctgct aaggactatt taaatttata 360

tgtaacacca actctgcttc aaggactcac aacactttgt aaggagaaac cagcggatcc 420

ttttatttgg ctagctgatt ggctactgaa aaataatccc aacaaaccaa agctttgtca 480

caatccagct gcagaaga 498

<210> 11011
<211> 361
<212> DNA
<213> Canis familiaris

<400> 11011
gggttcagca ttcaggagac tcctctggtg gatatccttt tcagccgtgc tacctcttca 60

acattgtctg atctaggcca gaatgaccct gttcaggatc acttgctatt taagaagact 120

ctcctgccag tctggaagat gattgccagt cacaggttca gcagtccttt tctgaagcct 180

gtgtcagaaa ggcaggcccc aggatacaag gatgtggtga aaagacctat ggacttaact 240

agcctgaaaa ggaatctgtc taagggacgg attcgtacca tggctcagtt ccagcgagac 300

ctgatgctga tgttccaaaa tgctgtgatg tacaatgact ctgatcacca tgtgtaccat 360

a 361

<210> 11012
<211> 345
<212> DNA
<213> Canis familiaris

<400> 11012
aacaaaattg aatgctctaa gctggaacat aggatctata tagccttgtc tgtggcccaa 60

caccctggcc ttgtgtacaa aaatgaagaa atattgcaat agcaaaggtg aacatctaac 120

actagctgtc tcctgctaga tctcctcgct cagcatttaa ctataaatac atgtaaaaat 180

tacatgtata tggctatatt aaaatttgct aaatcctaga agagaaaaaa aatcaacttt 240

gaatcacaac taggaattga tgctttaatt aatgggaact ttttcagaat ttttaattta 300

ctatggtcca gcctaagatc ctcatttgta tcaggttttg tgcac 345

<210> 11013
<211> 570
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<400> 11013
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acgcaggtgc tccgggactc ctttataggc cagaactcct ccacttgtat gattgctacc 120

atctctccag gaatggcctc ttgtgaaaac accctcaaca ctttaagata tgcaaataga 180

gtgaaagaat tagctctgga tttancgccc caccatcgtt gtgtctatcc ggttggacct 240

gaggtgccac ggatgttgga aaatcacatt agaaattcaa aaacatccct tcagagggat 300

ggatttatta atatacctaa tatacagagt gaaaaggaaa aacaggctaa agacatcgaa 360

acattatcca ctccgttagt ggaggataca gggaggactt catggaagga atcaagccaa 420

tggccaggga acaacatcca ggagacagct ggtgagggaa attacgatgc tgatttttgc 480

attgcccagt tattgtccat tttggatcag aaaataggta ttctgactga gattcaaaag 540

aaactgaaat tattacgagc tgacctccaa 570

<210> 11014
<211> 210
<212> DNA
<213> Canis familiaris

<400> 11014
gagtgaagat agtccaagtc ccaagagaca gcgcctctct cattcagtct ttgattatac 60

atcagcatca ccagctccct caccaccaat gcgaccatgg gagatgacat caaataggca 120

gccccccttca gttcgatcaa gccaacatca cttctcaggg gaacgatgca acacacctgc 180

acgcaacaga agaagtcctc ctgtcaggcg 210

<210> 11015
<211> 176
<212> DNA
<213> Canis familiaris

<400> 11015
gagtgaagat agtccaagtc ccaagagaca gcgcctctct cattcagtct ttgattatac 60

atcagcatca ccagctccct caccaccaat gcgaccatgg gagatgacat caaataggca 120

gccccccttca gttcgatcaa gccaacatca cttctcaggg gaacgatgca acacac 176

<210> 11016
<211> 503
<212> DNA
<213> Canis familiaris

<400> 11016
ggaaaatgcg ccacctgctg catatcctga aggtggactt gggctgcaca tccagagaaa 60

actcagtaaa gctggatgat cttgatatgc tggatttaca tgattttgaa caggctgaga 120

attcaaaaga aaatgaattt agaaataaac acgacaccac aattcaacag gaacgtcaag 180

aataccaaaa agctttggat atgttattgt ctataccaaa ggatgagaat gagagactct 240

cttcaccaaa tgaatttttc ttacccgtct ataaatcaaa gtattcagaa ggggtcataa 300

ttcagcaagt gaatgatgaa acaaatcttg gaccttcttc ctgggatgaa aaaaatccaa 360

gtgtctcaga cagcttaaca gaccaagaga cctctgtgaa cgtcattgaa ggggacagtg 420

acagtgaaaa ggtggagcct tcgaatgaat tatgttgtct tagcacagaa ctctccccag 480

ctcttcagtt tcacagtgtt caa 503

<210> 11017
<211> 191
<212> DNA
<213> Canis familiaris

<400> 11017
atctattata ccagcgtgtc agggtccagg gaggtgaagc agagacagga agaagttacc 60

agaattctag atacttataa aataaagtat gaattaatag atatttccat cagtttgaag 120

gtacttcaag aaatgaggat gaaagtttcc actcctaagg ctctaccacc tcagatattc 180

aatggccaag a 191

<210> 11018
<211> 530
<212> DNA
<213> Canis familiaris

<400> 11018
gatgccaaat ctcagacttg ttcaaaaaat agttcaaata tggatttaat actctattta 60

gaggagtctg gtgctgaatc catgaaactt gatatgtggt taaagaatta ctctcagaat 120

aattcaaaga agccttcaaa gaaggacaca aaaaaggatg caaaggagtc tactgatgca 180

gaatctgtag actcaaagga tgcaaagaaa gagccaaaga aagctaaaaa agactcaaag 240

aaaagtgaca agaaaaggga tgcaaaaaaa gacacagaga ctactgatgc agaatcagca 300

gactcaaagg attcaaagaa acagtcaaag aaggctaaga aagattcaaa gaaaaatgac 360

aagaaaaagg atacaaagaa ggatgaaatg tctactgatg ctgaatctga gtctgaattg 420

gagacaacga attggaagaa agatgaaaag aaggataaga tagattcaaa aaaagatgag 480

aagaaaaagg atgccaagaa ggatgaagtg tccactgatg ctgattctga 530

<210> 11019
<211> 328
<212> DNA
<213> Canis familiaris

<400> 11019
gaagcctgag acattcaaaa gttcagatgc tgaatctgaa gagtcactat ataaacttga 60

tgccacatct gcagattcaa agaaggaaac actggaacta aagagagaat tcaaaatgtc 120

atccaaaaag actacattca aagaaaaggg ggaaaaaaca ggtacaggta gagtcccccc 180

attaagagaa aaaccaccac tacctccttg tgagccttta ctaccatcac ccaagatcaa 240

acgtctctgt cggtgcaaga tgcctcctga gcctctaaaa ccaagatatg ctcctttgcc 300

tgaagcaaag tggattcata agcttctt 328

<210> 11020
<211> 72
<212> DNA
<213> Canis familiaris

<400> 11020
taatctgcac actacatata cttgaacatc agttaaaatg gctgcataat gttctactat 60

aaggatacat ga 72

<210> 11021
<211> 246
<212> DNA
<213> Canis familiaris

<400> 11021
gaactcagag ttcgaggaga tccacgaggt gatttcacgc tacaagacgc tggtaagcat 60

gcaccaggac ctcatgcagt cggcgcagga gggccaggag aagatcgagc gggccaaggc 120

gaggctggcg cgctacatgg aggagaaaga tgacgagatc ctgcagcaca acaacgaact 180

ggcgcgtcta cagatgcgct tcgaccgagc ccgcagcgat gtcattatct gggaatctcg 240

ctgggc 246

<210> 11022
<211> 506

<212> DNA
<213> Canis familiaris

<400> 11022
aggaggccaa gatcatgcac cgagccatgg agcagaagaa ggagacgttt cagcgcagga 60

tggaaacgct gaacctgcgc tgggaggagc tgggcatcaa ggaggctcag ctgaaggccc 120

acatccagaa gtttgagcag ttcatccagg agaacgacca gaaacggatc cgtgccctga 180

agaaagccaa caaggagcgg gagctgaaga ggcagcgggt gcgcgagctg gccaaggcca 240

agcaggagat ggcggccctg aggctggagc accagaagct gagcatcaag ctgcaggact 300

actccatttt caacaagtac ctggagaagg tggtggagaa ctcagaggaa tctcgctggg 360

cacacatcca gaacactgca gccaagaaga ccctcttgct tggcaccatt aagatggcca 420

cactgaacct tttccagatc gtgagcaagc agctgaagga gaccaccact gtgtccctgg 480

aggacacgca caaacagctg gacatg 506

<210> 11023
<211> 299
<212> DNA
<213> Canis familiaris

<400> 11023
gacatcccag gagtggtgaa aacatatcga gaggtggtgg tcaatgcatc atcaagatta 60

acactcagtt ttgacctcaa gacccacctc accaataccc ccaattcaac tgtgttcaag 120

ctcttcatta ccactggcag aaatggtgct aatcttaaag gatcctgtac cccaagtcag 180

gccttggcca ttacaacaat acttcttcct gagactcttg tgctatgcca tgtgcagttc 240

agtaatactt tgctagacat cccagcaagc aaaatcttca atgtccatgc aggtttcag 299

<210> 11024
<211> 251
<212> DNA
<213> Canis familiaris

<400> 11024
tgtactactt tacatacgac ccctggattg gcaagttact ttacctagag gatttttatg 60

tcatacaagc ttaccgaggt ctaggtattg gagctgaaat gctgaagaga ttaagtcaga 120

tagccatcag aagccagtgt aactgcatgc actttcttgt tgtcatttgg aaccaagctt 180

ctattgacta ctacactcgt cgaggagctt tagacctttc atctgaggag ggctggcatc 240

tgttcagatt t 251

<210> 11025
<211> 240
<212> DNA
<213> Canis familiaris

<400> 11025
aagagaagca gcagttgcag cgagagctgg aagacctcaa gtactcaggg gaggccacga 60

ttgtgagtca gcagaagcgg caagctgagt tgcaggagcg cctcaaggcc gaagagctgc 120

gccttgctga ggcacaggat cagttggaac ggaccaagcg ggcgatgcaa gtgaccaagg 180

agagccttga acacctggcg ggcaagctga actgcatcac agtggtggat ggccgcttcg 240

<210> 11026
<211> 376
<212> DNA
<213> Canis familiaris

<400> 11026
caggtcaacg ctgggcactt gttcgtgcag cagcacacgc atcctacttt ccatgcactg 60

cgtagcctgg atcagcagat gtacctgtgc tactctcagc caggaatccc caccttgccc 120

accccagtgg aaataacggt catctgcgct gcccccggcg tggacggtgc ctggtggcga 180

gcccaagtgg tggcctccta tgaggagagc aatgaagtgg agatacgcta tgtggactac 240

ggtggatata agagagtgaa agtggacgtg ctccggcaga tccgatctga ttttgtgact 300

ctgccattcc agggagcaga ggtccttctg gacagtgtga tgcccttgtc agatgatgac 360

cacttttcac ctgaag 376

<210> 11027
<211> 72
<212> DNA
<213> Canis familiaris

<400> 11027
gaactcaaca gaggcagtta ttatcccgac tgcaaattga cccagtaatg gcagaaactc 60

tccagatcag tc 72

<210> 11028
<211> 95
<212> DNA
<213> Canis familiaris

<400> 11028
agttgctccc agaactcgaa cttctcaaga agaattgctg gcagaaatgg tccaagggca 60

aagcaggacc cccagaataa gtccccccat gaaag 95

<210> 11029
<211> 546
<212> DNA
<213> Canis familiaris

<400> 11029
ggcagatagg ctgccagacc cagaagctgg aagaggccct gaaagagcac aaatcctccg 60

tgtcttgcat tagggtgaag aagaacaatg aggaatgtgt cactgccagc acggatggca 120

cttgcatcat ttgggacctg gtacgtctcc ggagaaatca gatgatcctg gcaaatacct 180

tattccagtg tgtttgttac cacccggaag agttccagat catcaccagc gggacagaca 240

gaaagattgc ttactgggaa gtatttgatg ggtcggtaat cagagagttg gaaggctcct 300

tgtctgggtc aatcaatgga atggatatta ccctggaagg agtgcacttt gtcacaggtg 360

gaaatgacca tctggtcaaa gtttgggatt ataatgaggg tgaagtgact catgtcgggg 420

tgggacacag tggcaacatc acccgcatcc ggataagtcc aggaaatcag tacatcgtta 480

gcgtaagtgc tgatggagct attttgagat ggaagtaccc atttacctca tgaggcctca 540

gagatt 546

<210> 11030
<211> 445
<212> DNA
<213> Canis familiaris

<400> 11030
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acgttcctca gctctcaggt gaatacgaag tggacaagcc tgagttacaa acatttgtaa 120

gacagccaca gcttttgagt aatgatgaca ttttgaaaaa aatttcagat attaagtcac 180

aggtacaaca ggtacctctt gctgaaagcc tcaagccaga atacagagag gatattcgag 240

cctctagaga gcatctaaaa cgaagccttg cgttagcaga agcagcagaa cataaactac 300

aaaaaatgta cagatcccag ctattaccag taggacaaag cagtagtgga attgaggaca 360

ttgaaagttt tattaacatg ctgtacaatt ccagatctaa attacctgaa tatttagata 420

ttagatatgt tccaccagag atgag 445

<210> 11031
<211> 36
<212> DNA
<213> Canis familiaris

<400> 11031

gctgttgctt ctactgagcg gcattctgtt tgcttt 36

<210> 11032
<211> 524
<212> DNA
<213> Canis familiaris

<400> 11032
cagcccaatg ctgaaacccg gaagggaaaa aaagaaagaa gagaaaagaa ggacagaact 60

tccagcagga aaagttccca tcaccacagg acaggtgaat gtcaccacag gacaggagga 120

aataagtcga cccggaaatc atcctcccat cggtccttat ccggccatga caaaagagat 180

gacagaaagg agaaggggca gagccatgca agaagcagag gacacagctc tcacaagagt 240

ggtacccatg gctctgcagc aagggtgtca aggacagctc acaaattggg gaagatcaaa 300

tctgcaaata gttcaagtgc tataagtaag aaatccagta aaattggctc tttcttcagg 360

aacttgagag ccatgcctgg ttcaaaaaca ggggtcccat cacacgatag agaggtagac 420

ttcgtggcta agtcattaga gaagtgcaac atagagacga aggtagagaa aaccccagat 480

ggcaaagacc tggagatctg tagcaccatg acatctgaat caat 524

<210> 11033
<211> 403
<212> DNA
<213> Canis familiaris

<400> 11033
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ccgggaggcc aggcgggcca tgatctacca ctggctgccc cctgtgagca agagcagagc 120

cctagagctg cgcacggagc tggagtacgg cgtgctgagc cagaatgctg cattatgcat 180

tgtcttgaaa aaaagatcta ttagcatttc aagagcactg atcaccataa ggtcaattat 240

tgtgctgtta ctgttgtgtt tttatccaga gagcagcaat ttacctggaa tccagctgga 300

tacagtgacc actgctgact tcttagatgt gctagctcac accaagcctt cagcaaagaa 360

tctgactcaa agatactcag cctggcaaag tgagttcgag tct 403

<210> 11034
<211> 108
<212> DNA
<213> Canis familiaris

<400> 11034
gctattcccc tcacagtaat tcttcagtcc agtgttcaga gctgtaaaac atctgaacct 60

aacatttctg gcagtgcagg cattactaaa agaaccacca gatctgct 108

<210> 11035
<211> 61
<212> DNA
<213> Canis familiaris

<400> 11035
gatattaata atgaaccgca gcttggaaca tctcctgata ctgtgcaaca atgaatacaa 60

a 61

<210> 11036
<211> 555
<212> DNA
<213> Canis familiaris

<400> 11036
gtctctctaa ggagcagacc ctacagaggc agaacccaga agctgccagg cctggccagg 60

tgcccatgag gaaaagacag ctgcctgctt ccttctggga agagcctcgg cccacccaca 120

gctacccccc ggggctggag gggggctgg gccccaggga gggacctccc tatgagagta 180

agaaacactg caaaggcttg gagcccttgg atcctgagac ggccccggtg cccacatccc 240

caagggcacc ggctgaaaag gagccactca agatgtctgg ggtctccctg gtgggccgag 300

tcaatgcctg gagctgctgc cccttccagt accatggaca gcccgtctac gcaggtcctc 360

caggggcctt gcctcagagc ccggtccccg gcctgggcct gtggaggaaa agccccgctt 420

cccccgggga gctggcccac ttctgcaagc acgtggatgg gccagggcag aaagtgtaca 480

gacccgtggt tctgaagccc atcccgacca agcccgctgt gcccccgccc atcttcaatg 540

tcttcggcta cctct 555

<210> 11037
<211> 320
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<400> 11037
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aggcaaagca gaggaggctg gagagagagg tggagaagca caagcttttt gaagactacc 120

tgatgaaggt ccttgagaaa atccccaagg gtcactacga aggggaggag ccagatgagg 180

cgctggtggg gaccatggtg gagcattacg agaagctctt catagtcagc caggacgtcc 240

agaagcatct ggaggcccnc tccgagatga aacaggtcat ctgccagagg ctggagtctc 300

tagaggagag ccacagggct 320

<210> 11038
<211> 454
<212> DNA
<213> Canis familiaris

<400> 11038
ggccttgggc tattcctacc tggaatccct gctggggaag agcagggagg tcctcaagcg 60

gttggggatg gaaccagtga cctcatggat gcctgtggta gagctggtag agaaggatgg 120

ctcagtgtcc agcctgctga aggtgttcaa cgaccagagc tcctcggacc aaatcgtgca 180

gtttttgcgc ctgctcacct cagccttcat caagaaccgc gcagacttct tccgacactt 240

cattgatgag gagatggaca tcaaagactt ctgtactcat gtagtggagc ccatggccat 300

ggagtgtgac cacatccaga tcacagccct gtctcaggca ctgaacatcg ccctgcaggt 360

ggagtatgtg gatgagatgg acacagcgct gaaccaccac gtgttccccg aggctgccac 420

cccttccgtt tacctgctct ataaaacatc ccac 454

<210> 11039
<211> 463
<212> DNA
<213> Canis familiaris

<400> 11039
actgggtgca gttcctggtg atcaagaatg gccttgagct ctacgcagga ctctggatca 60

catgcaacca tgagctgtgc tggagccaca cacccaagtc accctattac cttcagtttt 120

ccagggcttt cttcctcatc tctgtctttg ccacacttgt tgcccttgtc tggctcatca 180

gttcttgcct gtctagaaga ggaagcataa ccaccaactt ggatctgaag gtatccatac 240

tcagcttcat ctcagccatc tccttgctcc tctgcctcgt cctatttctg gcacaggttt 300

actggcatgc taaggatgcc ttggagccag atctcctctg gacctatcat attaattggt 360

ggagtgactt cttatacatg ttttctggga tcatctcctt cctcaactat atgactttca 420

gctttctttc ccttgatcga aatgtcagtg caattcccat aga 463

<210> 11040
<211> 319

<212> DNA
<213> Canis familiaris

<400> 11040
gtgcaggcaa caaatcacag gttttaactg gatttcgaaa acccagtgtt acagaaacca 60

atgaagtagg aagaaaaatc cagttctgag cagtctttga atcgacaaat atctactttg 120

caaggaactt ctgattatta ttctatgagt ctcactattt aagaatagaa ctataaggct 180

tagggtgagt gtggtcaaga tgttttgaat tcagtaaaga aaacttgccc tttgatgttt 240

aaggatgatc taatggatca tataccagct actgagaatg tttttaaaaa ctaggaagtt 300

ggccactaat tcagtgtat 319

<210> 11041
<211> 115
<212> DNA
<213> Canis familiaris

<400> 11041
cgaatgttaa ccaggtacaa tactcagaag ctcactgagc tgattttaca gttttatggc 60

atcagagcag acatgaagag ggagtgcaaa catgccagga tgaaggccaa taact 115

<210> 11042
<211> 541
<212> DNA
<213> Canis familiaris

<400> 11042
agccatcagg cccaggaatt cggaaactct ggaaccttag caaactcttt agaagagaag 60

gtaatgggag aatcaatcag cagtaaaaaa aaggaaaaaa ggaagcatgt ggaccacgta 120

gaaagttcag tatttatagc acccggcacc gtccgatcct cagatgacct agaagaagac 180

actggtgatc acaaagtact ctccaggact agtcacagtg actccagcat ttacgttcga 240

cgacatacta acaggtcttt ggaatcggat cattttagct atgttcaatt gaggaacgca 300

gcagatctgg atgaccgaag aaaccgaatg ttaaccaggt acaatactca gaagctcact 360

gagctgattt tacagtttta tggcatcaga gcagacatga agagggagtg caaacatgcc 420

aggatgaagg ccaataactc gggtgaagcc acgttgccgg agagccagag cccacagagc 480

gactctctga cgcagtttgt ccagcagccg gatttgatgt attttattct cttcctctgg 540

c 541

<210> 11043
<211> 554

<212> DNA
<213> Canis familiaris

<400> 11043
gatctttgca gatagtctca ttcctaagga tgttctttct tcttccataa ggagcatcat 60

gtatggggca ggctttattt gcccacagtg ccttgtactt atcagtcagt cctggctgaa 120

gaagtttggt tactataaaa tcatcttaat ttccttctac ctagaaggaa cagcctctat 180

tgtcatgttg cttcttggac agcaatacta ttacttttttg gccctttatc tcactattat 240

catggtgatt gtgcaagctt ctttttgctt atttaacctg ccactagctg atatggttga 300

tgcagattta ctgaaattca atcggcagtc acctctttcc tcaatggttt ttggcatcaa 360

tgctttgttt acaaaacctg ctcagtcttt agctcccatg atgatactct ctaagctaaa 420

acagtatgga tatggaaacc cagataaaag tacaatttta gatcttcatg atgctatgtt 480

taatttgatt tgcctggtcc ccctgggcat tgtactaatt cagattttgg tttggagccc 540

attctcaatc agga 554

<210> 11044
<211> 557
<212> DNA
<213> Canis familiaris

<400> 11044
attcctgaca gcatactttg cctataagga tggtgatata gattcttctc ttgttcagta 60

tgcactactt gcagaaatgg ggtatgaagt agctcaaagc aattcagcat tcattttgga 120

atctaaaaag gctaaaattc ttgaaaagga gaagatgtat ccaatggcac ttctcctatg 180

gaatcgagct gccattcaag gcaatgcgtt tgctagagtg aaaattggag attaccatta 240

ctatggctac gggactaaga aagactatca gacagcagcc acacattaca gcattgcagc 300

tgacaagtac cacagcgcac aagccatgtt caatctggcc tatatgtatg aacacggttt 360

gggtatcgca aaggacattc atttggccag gagattatat gatatggctg ctcagacaag 420

cccagatgct cacatacctg ttttttttgc cctcatgaaa ctggaaactg tgcatttgct 480

ccgagatatc ctgtttttta attttacaat gagatggaaa tggatgaaat tggacaacac 540

tcttggacca tactggg 557

<210> 11045
<211> 440
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (391)..(391)
<223> n is a, c, g, or t

<400> 11045
ctgggccagg acaccttcaa aatttgtaaa gaatatctaa ggccactgaa gaagttcctg 60

cgaaagttga acctgcccaa ggaccttccc cagaagaaga agctaaagta catgaagcag 120

agcctggtgg tcctagggga ccacatcaac acctttctgc agcactactg ccgaacctgg 180

gaaatcaagc actggaggaa gatgctctgg cgatttgttt ctctcttctc agaattggag 240

gcaaaacagc ttcgcaggct ctacaagtac accaagagca accagacggc caagctcctg 300

gtggcggtct gccccttgga cnccccggag agctccttgc tggcggacca ggaagacaac 360

ctgcccaagc tctgcagcgc ctggggactg nccaataaca tcagcggcat gaaggagagg 420

ctgtccaaga tgcaggctcc 440

<210> 11046
<211> 159
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<400> 11046
cctccagggg tttgtcttaa atatgtcggg ggagnccnaa tttggacatg tgaacatggt 60

gatggntgag atcgctagag cccnaggaga ttgcagatgt cagcgtccag atgtgcagcc 120

ccagcagagc aggaatgtat cagggacagt ggcggatgt 159

<210> 11047
<211> 506
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<400> 11047
gaatactgct attgccctaa tgggagagtc ttcagttgtc tttctggatg agccatctac 60

tggcttagac ccagtagcca ggcgcctgct gtggaacacc attacatgga tgtgtagaag 120

caaagctatc atcataactt cccacagcat ggaagaatgt gaggccctct gtaccagatt 180

ggccattatg gtaaagggga agttcaagtg cctgggcagc cctcagcacc tcaagaacaa 240

atttggtaat gcatacagtc tgacagcaaa gattaagttt gaaaacaata aaagtaaact 300

agagaagttc aaagaattca tagcnacaac tttcccaggt tacatcataa accaggagca 360

ccaagggatt atttgctact acattccaaa acaggaaatc tgctggggaa aggtgtttaa 420

tattttggag gaagctaaag ccctattcaa tctagaagac tactctgtca gccggataac 480

actggagcaa atcttcctga ccattg 506

<210> 11048
<211> 352
<212> DNA
<213> Canis familiaris

<400> 11048
agactgagta atgccattgc cctaatggga aagccctcag tcatcttcct agatgagcca 60

tcaactggca tggacccaga ggcccggcgc ctgctctgga acagagtaac aagggcacgt 120

gaaagtgaca aagtcatcat cattacctct cacagtatgg aggaatgtga tgctctctgt 180

accaggctgg ccatcatggt gaagggaaaa atcatgtgcc tgggcagccc tcagcacctc 240

aagaacaagt ttggcaatgt ttacaccctg aaggctaagt tcaagataga tacagatgag 300

aaaactttag aggattttaa aaagtatatt gcaacagttt tcccaggtag tg 352

<210> 11049

<211> 399
<212> DNA
<213> Canis familiaris

<400> 11049
actggaacct catgctgaca agcttatcgg aacctatagt ggaggaacca aacgcaggct 60

gagcactgct attgctctaa tgggaaagtc ctcagtcatt ttgctggatg agccatcagc 120

tggcatggac cctgaagccc gacgcctgct ctgggatgct gtgacacgga cgcgtgaaag 180

tggcaaagcc atcattataa cttcccacag aatggaggaa tgtgatgcct tctgtaccag 240

gctggccatc atggtgcagg gaaagttcct gtgcctcggc agccctcagc acctcaaaaa 300

caagtttggc aacatttaca tcctgaaggt caaggtcaag aatgatgtac aggataaact 360

ggaggattta aaatatttca tcacactaac attcccagg 399

<210> 11050
<211> 562
<212> DNA
<213> Canis familiaris

<400> 11050
actaggcaac gtcctgatcg acaagaagcg actggagaaa atcctgctcc tgagttacgt 60

ctgcaatacc caggcagagt accagcaggg cttccacgag atggtgatgc ttttccagct 120

gatggtggaa tatgaccacg agaccttctg gcttttccag ttcttcctgc agaaaatgga 180

gcacagctgt gtcatcaaca tcggagtagg caagaaccta gacaagctca acaccctgat 240

caacttcctg gaccccatgt ttgctgagca tctacgaggg aagggtgcgg ggactgtgca 300

gtccctcttc ccctggttct gtctctgctt ccagcacgcc ttcaagtcct tcgacgatgt 360

ctggaggctc tgggaggttc tgctgacagg gaagccgtgc aggaacttcc aggtgctggt 420

ggcctacagc atgctgcaga tggtgcggga gcaggtgctg caggagagca tgaccagcaa 480

tgacatcctc ctggcctgca acagcctcat cgaccttgac gctgacgtgc tgatctcggc 540

tgcctgcttg gtttacgctg ag 562

<210> 11051
<211> 374
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<400> 11051
gtggtcattg ccagggtggt tcccaactac aatgatttta aggtcaacca gataaagcag 60

gacncagctt ccgtggggct gcccatcacc cgcctctcct tccctaaccc atcngtgatg 120

cgcttcgacg ttcctcgggg cagccagaac gggtgccctc agctgtccaa gcctggggga 180

ccccctgagc tgccctcgtg gaatcagtcc ttcctcttcc aaggtcgaga tggagccacc 240

aacttctcag aagacacagc cctggtgctg gaatactact cctcgacttc catgaaaggc 300

ggtgagccct ggaccctcag caagcccctg ggcgtctccg tgttgccact gaagagccgt 360

ttgtaccgca agat 374

<210> 11052
<211> 290
<212> DNA
<213> Canis familiaris

<400> 11052
aagcagtttg ttaatcttcc ctctctttat ttttctaata tatagacttt gcttctaata 60

tttagaacta gacttcctat ttcagttatg taattgagaa gaggggacct tctgactgat 120

tctggccagc cgtcctctgc cgagcgctcc agagttttag tttcaatgca atgagaattc 180

tttatagtaa aaaaagatgt ttagagtggg aagaagagcc ttggcctttt acattagtag 240

aaagagtata caccgtttca ttaaatgtta aagctagcat catctattct 290

<210> 11053
<211> 135
<212> DNA
<213> Canis familiaris

<400> 11053
tgggcctaca gctcgtcgca cgatgataac agcacttttg aaggaacatg tccatactgt 60

ttccagtttc tggttttgga taactctaga gtgcgcctca aacctaagtc cagactaaca 120

cccaaaatac agaaa 135

<210> 11054
<211> 493
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (175)..(175)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<400> 11054
actactggca tgaaacctgc tttgtgtgtg agcattgccg ncagccaata ggaactaanc 60

ctttgattnc aaaagataat ggcaattatt gtgtnccatg ttttgagaag gagtttgcgc 120

actactgcag cttttgtaag aaggtgatan cttcaggtgg gataacgttt catgnccagc 180

catggcataa agagtgtttt ctgtgcagtg gctgtanaaa agagctgtgt gaagaggagt 240

ttatgtccag agatgattac ccattctgtt tggactgcta caaccacctt tatgccaaaa 300

agtgtgcagc ctgcnacaaa cccatcactg gtctcagagg tgccaagttt atctgctttc 360

aagaccgcca gtggcacagc gaatgcttta actgtgggaa gtgctcagtc tccttggtgg 420

gggaaggctt cctgacccag aacaaggaaa tcttctgccg caagtgtggt tctggattgg 480

acaccgacat cta 493

<210> 11055
<211> 424
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<400> 11055
gatgaagcac tttccacact ggattaaccc cgaggtgaaa ggtcaaaggc ataaagaatc 60

cattctcctc tctaaggatg agacagtgcc caaanccatg acaaaaaagg ttgagaagag 120

tccacccctc accaaacacc ctgtgagagg agccaagttg gagaataaaa cagaggagga 180

gagcatgacc ttctttgatg ctcctcagtc tctagacaat gaactcaagc aacaatccct 240

tcagtccaga cattcctggt tgctgtgcct tcctcataac agctccaagc actgtcctca 300

gctgacttgt gccactcaac cagaaaatcc accccaggtc tcagctctcc tctcagcaga 360

aggcactggt ctacacaaag aaaaaacgca gtgcaggaaa aaggagttcc tagtttcctc 420

tgca 424

<210> 11056
<211> 242
<212> DNA
<213> Canis familiaris

<400> 11056
gtgatggtga gatcgctaga gccccaggag attgcagatg tcagcgtcca gatgtgcagc 60

cccagcagag caggaatgta tcagggacag tggcggatgt gcactgctac aggactctac 120

tatggagatg tcatctgggt gattctcagt gtggaggtgg gtggactttt aggagtaacg 180

cagcagctgt catctttga aacggagttc aacacacagc cacatcgcaa ggtagaagga 240

aa 242

<210> 11057
<211> 378
<212> DNA
<213> Canis familiaris

<220>

<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (285)..(285)
<223> n is a, c, g, or t

<400> 11057
aagcctagag cccagggtcg aagtcctgat caatcggatt aacgaggttc agcaagcaaa 60

aaagaaagcc agtgaggagc tgggagaggc ccgaactgtt tgggaggccc tgcagaagga 120

aatggactca ctgagtggag agaaagtacg cctgaaagag atcttgaaca aaaagcaaga 180

gaccctaaga atcctcaggc tgcactgcca ggagaaggag agtgaggcac agaggaagca 240

taccatgctg cangagtgca aggagcgaat ttctgccctg aactnccaga ttgaggaaga 300

gaagaataaa cagaggcaac tgaggttgga ttttgaggaa cagctagagg atctgatggg 360

ccagcacaag gacctctg 378

<210> 11058
<211> 338
<212> DNA
<213> Canis familiaris

<400> 11058
gagattgaca ccctggacag cagcaaggag cacctgctca aagaagagaa gcttgtggag 60

gcaaagctgg aagatgtgaa gcatcgtctg tgttcccagt ttggggctga cggctgctca 120

accattgctg aggggctctt tctccgcagc caggaggctg cagctgcagt gcatctgttt 180

gaagaggaga acaggaaggc ccaggggctc ctggatgctg ctacacatca ccatgagcag 240

ctgcagcaga agtgccaaca attgcagcag aagaggcaga ggcttaaaga ggagctggaa 300

aagcttggga tgcagatccc tgttcaagcc caaagcaa 338

<210> 11059
<211> 119
<212> DNA
<213> Canis familiaris

<400> 11059
gcccaggaga acctgccaat cctaagctcc taggagtcat tcaggagaaa gacccagaga 60

tgcccaccaa ggaaggccct atgccctctt aggcaagaag gactctccct accctggag 119

<210> 11060
<211> 92

<212> DNA
<213> Canis familiaris

<400> 11060
cccaattgaa cgagacctct acctatccct ggaagactta ttctttggtt gcaccaagaa 60

aattaagatc tcccgaaggg tgctgaatga gg 92

<210> 11061
<211> 529
<212> DNA
<213> Canis familiaris

<400> 11061
gagacctgtg acagagctca cccttgactg taacactctt gtgaacgagc tagaacaaga 60

ttctgaaaac cgaggtacta tatacctgtc tggagtgagt gaaaccttca aagaacatct 120

cttacagcag tccaacctct tccttggcct ggaagctgtg atcttgccta aagatcttaa 180

aagcggaaag caaaaaagat actgtttcct gaaattcaaa aattttggca gtgcccagag 240

ggccctcgac attcttaaag gcaaggactg gaagctgaaa ggccgacatg ccctaacccc 300

caggcatctc catgcttggc tcaggggctt acctcctgaa tcaagaaggc ccccggggat 360

tcgtgtcata cctccccccc ctgagcagca ggccttacag gctctgaagg tggaccaccc 420

aaagatagca gcctggcgct ggggccggaa gataggaaag ctctaccaca gcctgggccc 480

aggcaccctc tgcctcatcc tgctgccagg caccaagagc actcatgga 529

<210> 11062
<211> 248
<212> DNA
<213> Canis familiaris

<400> 11062
aagaggttct tgagcaggcc agagtggaaa ttcccctgtt tcccttcagc attgtccagt 60

tctcttttga acccttttca cccagcctca ctgaagagat gaacaagagg atgaggatca 120

agtggacaga gatgtcaact gtttatgctg ggccatttag caaaaattgc aacctcaggg 180

ctctgaagag gctttttaag agctttggtc caatccggtc aatgactctt gttcttgaaa 240

cccatcag 248

<210> 11063
<211> 180
<212> DNA
<213> Canis familiaris

<400> 11063

aaaagtaagc cctaccctgc gcatctaata gctgaattaa ggagcacaag tactaactcc 60

atacgtgaca ctgggggctg acccccaagt ttctgatgaa cgttctgaac caaactcacc 120

ctgtaacagt cagcagtcta ctattttgaa gttaccaccc cacttcaaag ctttaaatca 180

<210> 11064
<211> 503
<212> DNA
<213> Canis familiaris

<400> 11064
atttcttcgg tttcagctct gcaagctctc tcgaagctac tttatcctga agaagaggat 60

gattttgagc ctggacagcc aaattgttca tctgcttttg gagccatggg gcctgggaat 120

attggacctc caaacactga agagctcaga gtcatccctc agagcagtga tgaaaatgcc 180

gaggagatct ggaatccaga agaggttcca gagggagcag agcacgatga catgtgggat 240

gttagagaaa tgcctgaata tgaggttata ttcaaacagc aggtgggaac tgaggatata 300

ttcctaggat tttcgagaaa ggattcttca tccgcatgtt gtgaagatct agtggttaaa 360

attaaactgc caaatacgaa cccttctgaa attaaaattg atatccagga attgatcatt 420

gacctccgta ctcctaataa gaagttgttg ataactcttc ctcaacctgt ggaatgcagc 480

agtgccaaag ctttctatat cct 503

<210> 11065
<211> 448
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (270)..(270)
<223> n is a, c, g, or t

<400> 11065
ggatgggtac tcctctacta tcaaggacaa gattcttacc attgatgtga aacctggttg 60

gaggcagggc acacggatca cctttgagaa ggaaggggac cagggcccca atattatccc 120

agccgacatc atcttcatcg taaaggagaa gttacaccct cgctttcgca gggagaacga 180

caacctcctt tttgtgaacc ccattccctt gggcaaggct ctaacctgct gcaccgtgga 240

agtaaagaca ctagatgatc gtctgctcan catccccatc aatgacattg tccatcccaa 300

gtatttcaag aaggtgccag gtgaggggat gccactacct gaggacccca cgaagaaggg 360

ggatctcttc attttcttcg acatccagtt ccctacccgc ctcacacccc agaagaagca 420

gatgctgcgc caggcattgc tgacataa 448

<210> 11066
<211> 463
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (403)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (417)..(417)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(423)
<223> n is a, c, g, or t

<400> 11066
tcaacgaatc ctttctttta gccaaaggga ggtttatatc tcaggtacaa cagacaactc 60

aaaatggcta catgaaatca agaactgttt ggaaagagaa aagaaaaaag agaaaaagga 120

atttattgta agaaccctga actgatgtct gatgattctg ggaacagccc ttgagatgtc 180

aaagatgata atacagtaac agcatttggg aagtatttct agtcttacac ttagcctttt 240

ggcaggaatt tattaagaca gaataagcct gtgacttttc aattccgagt acaatttgtt 300

tctctaatac atccgcagga gtaatgtgtg atggaatatt tccttctgca gcccctccac 360

tgtgggtgat gatatgctat aataggttct cacaggccat atnnnagtaa tataaancnn 420

nnnacatgta catctgtggc ccagtgtcag tgccttaaat gta 463

<210> 11067
<211> 456
<212> DNA
<213> Canis familiaris

<400> 11067
ggacattcac ctgtttgcca tttcacactt ccatggacga aaaactcact cacctcccag 60

catgctttgc cactctttta cttacagcaa atccataaca atgaaacagg tgactttcat 120

gctgctgtca ggaacgatct aatttcagct ctgggtgact gattgcaatt ggctttgcct 180

catctgataa ttaatctatg tcaccattaa ttggaagaga gaataattac tggcagtgtt 240

gacagtgact gttcgcttcc ccagatttcc ccatcgtgtt ggcccaaata aaggctttgc 300

gattcagtac ttaaagtttg tttaaactgt aacaatacct atgcccatgt gacactttca 360

gacactctgt ctaatgtact tttgtttttg tgtttaccaa tctttttag ctcactgaga 420

gctgtctctc tcaatcactc ctcaatgttc tatctt 456

<210> 11068
<211> 503
<212> DNA
<213> Canis familiaris

<400> 11068
ctgcggccac gttttctgta gaaaatgttt cctgactgca atgagagaaa gcggaataca 60

ttgtcctctc tgtcgtggaa atgtgactag aagagagaga gcatgtcctg aacgggcctt 120

agaccttgaa aatatcatga ggaagttttc tggtagctgc agatgctgtg caaaacagat 180

taaattctat cgcatgagac atcattacaa atcttgtaag aagtatcaag atgaatatgg 240

tgtttcctct atcattccaa actttcagat ctctcaagat tcagtaggga acagtaatag 300

gagtgaaaca tctacatctg ataacacaga aacttatcaa gagaatacaa gttctgggca 360

tcctaccttt aagtgtccct tgtgtcaaga atcaaatttt accagacaac gtttactgga 420

tcactgtaac agtaatcacc tatttcaaat agttcctgtg aatcttcagc tagatgagga 480

aacccagtat caaactgctg ttg 503

<210> 11069
<211> 538
<212> DNA
<213> Canis familiaris

<400> 11069
aagcagctcg ttgggaagaa cttcaacgtg gtggtctttg acaaggaaag ggatgtattt 60

gtgatgttct atgcaccctg gtcagaaaag tgtaaggcgt tgttcccagt gttggaggag 120

ttgggcagaa agtatcaaaa ccactcgaca gtcaccattg ccaagattga catcacggca 180

aatgaaattc agctaatgta cctagaccgg tacccctttt tcaacctgtt ccccaccgac 240

actcaacaag ctataatgta tacaggagaa cataccatga agggcttttc tgacttcctg 300

gaaagtcaaa tcaagaccag gattgaggat gaggatgagc tgttgtctat tgaggaaagt 360

gaattgacag aagaggaggc attagctgaa gaaaagaagt tacctttat caaggaagag 420

ttaactgaac agaaggtgct tgagctggag aatgtgacaa agctggaaga gccagctggg 480

cagaaggaaa cagccaagga ggagaaagaa aaggtggcta agccaaaggg acctccaa 538

<210> 11070
<211> 430
<212> DNA
<213> Canis familiaris

<400> 11070
atccgctact gccatggctg tggtgtggcc caccgggacc tcaagtgtga gaacgccttg 60

ttgcagggct tcaatctgaa gctgacagac tttggctttg ctaaggtgtt gcccaagtca 120

cgccgagagc tgagccagac cttctgtggc agcacagcct atgccgcccc tgaggtgctg 180

cagggtattc cccatgatag caagaagggg gacgtctgga gcatgggtgt ggtcctgtac 240

gtcatgctct gtgccagcct acctttttgac gacacagaca ttcccaagat gctgtggcag 300

cagcagaagg gggtgtcctt ccctactcat ctgggcatct cggccgaatg ccaggacctg 360

ctcaagcggc tcctggaacc agatatgatc ctccggcctt caattgaaga agttagttgc 420

catccatggc 430

<210> 11071
<211> 256
<212> DNA
<213> Canis familiaris

<400> 11071
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tttcggaaac accctaaata caacctctgt gcagtggtga accattttgg tgatctggat 120

ggtggccact acactgcttt ctgcaagaac tcagtgaccc aagcctggta tagctttgat 180

gacacacgag tcagtgagat tccagatact tcagttcaaa ctgctacagc ctatctcctg 240

ttctacagct gccagc 256

<210> 11072
<211> 58
<212> DNA
<213> Canis familiaris

<400> 11072
gcgtgaagac aagcacattc gccagcgagt caagattttc tgggccaaac aagaacag 58

<210> 11073
<211> 526
<212> DNA
<213> Canis familiaris

<400> 11073

ggatcatgga catttgcagc tcggggcctt gctgtttctt ggatcccaaa ataactcggt 60

ttggaatgtc agctgcccg caagtcccca tggaggagcg catctctaac ctgcgcctga 120

gccccaaccc agcctcctgc cattactact tggagaagat ccacccgcct ggggaacgca 180

gggctcccca gtatgccttc ggccaccggt gcccgtacag agtgctggac cccaatccag 240

cccccaacca gtaccagctg cccctcttgt tggggcccag caaccctgtc agccgagctg 300

ctccttgcta tagtctttcc tcggagcaca agagctggtt ctacaaggag aacgtggcag 360

ggggccctgg gccagccgcg cactcccggc ccgagccctc cgtctaccag aaccgcagcc 420

ccacgtacag catggccaag cgatttgcct accccatgga ccgcacgcct cggcccggcc 480

ctggctccca caacgcccag caggtgacgg tgcacaagcc ctgcgc 526

<210> 11074
<211> 502
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(260)
<223> n is a, c, g, or t

<400> 11074
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caagactcgc cagtggtaca gtcggaaggc cggccgcgag tcggatggtg gttgggaaga 120

atgggaggac ggagaggaca aggacggctt caggcgggag ggtctccacg agcactngtc 180

tttggagatg gagctgcgtc ggggcagcat cctgggaagc catctggagg aagacgtcga 240

ttccaagacc gagagcgnnn tatcttcctc agagtcatcg ctcagtatct cgaagcacac 300

accccatcga gcctactgga tagagcagca gaacaggctg ccactgcctc tgatggaagt 360

catggagaat gaagctctgg aaatcctcac caaagccctc tggagctacc ggtcagggat 420

tggccgggat cacttcctga ccaagcagct gcagcgatac atcgaggggc tcaagaggcg 480

tcggagcaag aggctgcacc tc 502

<210> 11075
<211> 51
<212> DNA
<213> Canis familiaris

<400> 11075
aagaggctgc acctcgtaac gtattgagaa cgccgcttcc ggctcaagtg a 51

<210> 11076
<211> 142
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<400> 11076
aagtaccatg agtaagagta acattaaatc ataccctnca cttcaaccta ctaaaagtgg 60

naaagtacgt catcctgatg agtggggaaa gagtatgggt tatcgcatac cacgaatatt 120

cggaactgca aatcaagaat ct 142

<210> 11077
<211> 575
<212> DNA
<213> Canis familiaris

<400> 11077
aggcaggtcc atctgtgact ccgagccccc gggacttgca ggagcgggat ggcatccggg 60

cggcggccat ggcattgttc ggggacctgg tggccgcgat ggcgggcaag gagctaagca 120

gcctgcggca ggtccaccag agcatggtgc ccctcttcct gcacctgaag gaccactgtc 180

cgggtgtcgt cacgcaggcc aagttcaccc tgtaccgctg cgcggtgctg ctccgctggc 240

ggctccggca cacgctcttc tgcacgctgg cgtgggagag gggcctcagc gcccgccact 300

tcctctggac ctgcctgatg acccacagcc aggaggagtt cggcatccac ctggcgcagg 360

ccctcagcta cctgcacagc cgccaccgcc acatcaagac ctgggcagcg ctcttcatag 420

gttacaccat ctgctaccac ccccaggccg tgtcccagat ggtgagcagc gtcgacacaa 480

acctgctgtt ctccactttt gaagatctca aaaaagaccc ggagcccagc atccgagtat 540

tcgccaccag gcagctctac ttcctccaga aggtg 575

<210> 11078
<211> 534
<212> DNA
<213> Canis familiaris

<400> 11078
aattctaatt tcttcttcct gttggtgctg ttgatcggac tgtgtttggc aataatacct 60

ctgacaatca gcatggcacg catcccttcc tcgaaagcct gtgggccatt caccaacttc 120

aacaccacct gggaggtggt tcccaagacg gtgagcacct ttcccagctc actgcagtcc 180

ctggtctatg gcgtcacatc ggaagccttc gcagtgcctt tcttcatgat catctgcctc 240

atcatgtttt acttcatcgc cctggccgga gcacacaagc gagtggtggt ccagcttcga 300

gagcagctgt ccctggaaag tcgtgacaag cgttacctga tccagaaact cacagaagcc 360

cagagggata tgaagaaccg actggattat caatgaggat cccgccacgt gtggctcatg 420

agctgaccta gtgacctgcc aagactacag gtctgggttc ggagcagaag ttttaaaata 480

tatttttctg gagttgatgt tttctgaagg tgactccata tgtgcagctg cggt 534

<210> 11079
<211> 357
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<400> 11079
tgttctttac gttttcagtt tcatctctag acnctgnana aaggacctaa gccatgtgtg 60

gaccataatt gtgaatcttc caaaagactg tctaaggcta aaaatcttat agagagattt 120

tttaatcaac aagtagaagt tctaggcaga cgttcagagc cattgcctga aatatactat 180

attgaaggta ctctccaaat ggtttggatt aatcgctgct ttccagggta tggaatgaat 240

accctgaaac atccaagatg tcctgaatgc tgtgtgatct gcagccctgg atcttataac 300

ccccgtgatg gaactcactg ccttcagtgc aacagcagcc tggcgtttgg agcaaaa 357

<210> 11080
<211> 478
<212> DNA
<213> Canis familiaris

<400> 11080
aagtctcgct taagtgtctc aatccctttg aggatgtcca gttacatatt caagaggcca 60

gttaccagaa tcacatctca tcgtggcaat gaggtcagat gccatcactg ggaggaaact 120

ctggacaagc cccaacaggt gtactggcag aagaggctgc aaggtctcca ggcctgcagc 180

agcacagggg agccattaag cactttggat cttgcgaaaa tcttacaaaa acttgcacct 240

acatgcacag gtgactatct gccaggtgtt cttgcagggg gtctgaactc tagccccata 300

cccacccctg ccgggtcttc agatttggca aagttgattc caggagctgg cctgactatc 360

ccacagctcc tgtgcaaaca atttctggtg actgaggaag atatcaggaa acaggacagg 420

aaagtgaaga cagcaagaca aaggttggcc atggcactgg ctgtagacag gttcgcta 478

<210> 11081
<211> 548
<212> DNA
<213> Canis familiaris

<400> 11081
tgctagatca accaataccc acgggtcaga atgggaccac agaagaagtg acttcagaag 60

aagaggaaga tgaggagatg gctgaagaca tagaagactt ggatcactat gagatgaagg 120

aagaagagcc tattagtgga aaaaagtcag aggatgaagg aattgaaaag gaaaacttgg 180

caatactaga gaaaattagg aagactcaaa ggcaagacca tctcaatggt gcagtgtctg 240

ggtctgtgca agcttcagat agacttatga aagagctcag ggacatatac cgatcacaga 300

gttataaagc agggatttat tcagtggaac tcataaatga cagtttatat gactggcatg 360

ttaaactaca gaaggttgat cctgacagtc ctttgcacag tgatcttcag atcttaaaag 420

aaaaagaagg catagaatat attttgctta atttctcttt taaggataac tttccatttg 480

atcctccatt tgttcgagtg gtgttacctg ttctctcagg agggctggta tacccctcca 540

aaggaaga 548

<210> 11082
<211> 47
<212> DNA
<213> Canis familiaris

<400> 11082
gacctgaagc cgctgttcaa gaggttcaca cagacccgct gggcagc 47

<210> 11083
<211> 583
<212> DNA
<213> Canis familiaris

<400> 11083
aagagtcacg gctttgacac cctgctccag agcctgtttg gggacctgaa gccgctgttc 60

aagaggttca cacagacccg ctgggcagcc ccggcgcaga ccctggggga catcatctcc 120

accgtgggcg aaaggctgcc tgagttctcc gagctccacg actgtttcca gaaggagctc 180

atggaggtgg tgcacctgca cctggtgaag gagtacatca tccgcctcag caagcggagc 240

ctggtcctca aggtggtgga gcagcagcgg cagctggccg agcacatcct ggccaacgcc 300

gaggtcatcc agcgcttctg cactcagaac ggctcgtcag cgacctggct gcaccacgcc 360

ctccccacgc tcgctgagat cattcgcctg caagacccca gtgccatcaa gattgaggtg 420

gccacttacg ccacccggta ccccgacttc agcaaaggcc acctgagtgc catcttggcc 480

atcaagggaa acctgtcgag caacgaggtc aagagcatcc ggagcatcct ggacgtcagc 540

gaggggatgc agcagtcctc caagccccta ttttcactta taa 583

<210> 11084
<211> 567
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<400> 11084
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aantggtgcc ctggcccggg cagcctcacc acctccatgc actccttcca tggccaggtc 120

agcaggaagg gggagggaga cacccccac cccccaggcc caggcttagg ctcaccaggg 180

gctctggctt cgccaagtcc taccccatcc ctaatctcgc gcgctcccgc ccaggggccg 240

tgcctctcct ccctcagccc ctcagctcga ctacccccac ccaaatctcc agaaacagat 300

tttttaacca cgaaccagaa gatgctgaag cctcacagaa cagctccggc ctccgtgact 360

gaggacatgc tacagcggtg caagtatggc cacattgagc ccccgctggg tggacagcgc 420

ttcttctcaa cccaatacga ggatgagttt gtctccaagt tccagggccc agcagtgttg 480

agattggtca atcttcagga cagccatgtg cctctgggct cccctcaccc ctggggctgt 540

ggggctggga acatagaccc tcgggcc 567

<210> 11085
<211> 226
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (159)..(161)
<223> n is a, c, g, or t

<400> 11085
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aattcatctt aacttttata ggtttctgca ggttgggtca actagtgttg ctacaatata 120

gatgacatat tttttaaaat gtaaatgtag tcaagttcnn ntagatttta gtagtttgta 180

atatcatcta acatttttta aagaataaac aacttgcctt gtgacc 226

<210> 11086
<211> 252
<212> DNA
<213> Canis familiaris

<400> 11086
atggtggagg ctgagcacct ctcagcccgt ggctgctgga ctgtcttcac caacttctta 60

tgctccagaa aaggaacact cctgtgtgct gagatgatat tgtgcctggt gattctaatc 120

tggttcagcc tctcaacacc agcatactcc tctctgtcag tagttgagat gatccttgct 180

gagatcttct ttgtcatcta catgtgtgac ctagcctcca agatacaata ctggtcttgg 240

attgatttct tc 252

<210> 11087
<211> 401
<212> DNA
<213> Canis familiaris

<400> 11087
gaattgcagg gtttgattgg acagttggat gaggtcagtc ttgagaagaa cccttgcatc 60

cgggaagctc ggagaagagc ggtgattgag gtacaaaccc ttataactta cattgacttg 120

aaggaggccc tggagaagag gaagtcgttt gctagtgagg agcacccgtc acataaagca 180

gtctggaaca tccttggaaa cttgtccgag atccaggggg aagttctttc atttgatggg 240

aaccgaactg ataagaacta catccggctg gaagagctgc tcaccaagca gctgctggcc 300

ctggatgccg tggacccgca aggggaagag aagtgcaagg ctgccaggaa acaggcagtg 360

aagctcgccc agaacatcct cagctatctc gacttgaaat c 401

<210> 11088
<211> 135
<212> DNA
<213> Canis familiaris

<400> 11088
agcttctcct cgattggcaa ggatacagaa aagaaggacc tggccctctg cccccaacaa 60

tccaagtctc aaatggcccc tgggggcctg ctggaccttg acaaccctga actggacaca 120

gacacctcgt cgaca 135

<210> 11089
<211> 398
<212> DNA
<213> Canis familiaris

<400> 11089
gccggaggca cccttcatct gtgaacacac agtcagcgat tccacggctg tgatttcctg 60

gacctatgcc ctgggcaagc agcaggtcag tttctaccag gtcctgttgc aggaagtggc 120

caagacaaat gataatgagc cacccaaggc aaagaatcgc ccatggatct tcaacaagat 180

cttgggcacc accgtcaagc tgatggagct gaagcctaac acgagttact gtctcaccgt 240

ccgtgcagct aacacagctg gggtggggaa gtggtgcaag ccctacaaat ttgcaactgt 300

ggccactgac ttgaacagct tccctgagaa caaccccatc cagattactg tgcagcgcaa 360

ggaaccccag aggaaaacgg tgtccatcgg gctagagg 398

<210> 11090
<211> 514

<212> DNA
<213> Canis familiaris

<400> 11090
aaagttcact tttatcgagg cctgtgttaa ccctcgttct gtcaccttgt tggttaaagg 60

accaaataag catactctca cacaaatcaa ggatgctata agggatggac ttcgtgccat 120

caaaaatgcc attgaagatg gctgtgtagt tccgggagca ggtgcagttg aagtggcaat 180

agcagaagct cttgttacat acaagcacag tataaaagga agagctcgtc ttggagtcca 240

agcttttgct gatgccctcc tcattattcc taaggttctt gctcagaatt ctggttttga 300

cctacaagaa acactagtaa aagttcagac tgaacattca gaatcaaagc aacctgttgg 360

catagatttg aatacaggtg agcccatgat agcagcagat gcaggagttt gggataatta 420

ttgtgtgaaa aaacaacttc ttcactcttg cacggtgatt gccaccaaca ttctcctggt 480

tgatgaaatt atgcgagctg gtatgtcttc tctt 514

<210> 11091
<211> 336
<212> DNA
<213> Canis familiaris

<400> 11091
ccatgagagc gctgggcttc gagcccagga aggaagagat gaagaagatg atctccgaag 60

tagacaagga gggcacgggg aaaatcagct tcaatgactt tttgggcgtg atgacccaga 120

agatggccga gaaggacacc aaagaagaga tcctgaaggc tttcaggctc tttgatgacg 180

atgaaactgg caagatctct ttcaaaaacc taaagcgcgt ggccgttgag ttaggggaaa 240

atctcactga cgaggagcta caggaaatga tagatgaagc cgatcgggat ggagatggcg 300

aggtgaacga ggaagagttt cttcggatca tgaaaa 336

<210> 11092
<211> 339
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (195)..(195)
<223> n is a, c, g, or t

<400> 11092
accatgtccc agaaattgag tttactgttg cttgtattcg gactcatttg gggattgatg 60

ntactgcact atacttttca acaaccaaga catcaaagca gtgtcaagtt acntgaacaa 120

atactagact tgagcaaaag atatgttaaa gctctagcag aggaaaataa gaacacagtg 180

gatgctgaga atggngcttc tatggcagga tatgcggatc taaaaagaac aattgctgtc 240

cttttagatg acattttaca acgcttggta aagctggaga acaaagtcga ctatattgtt 300

gtgaacggct cggcaaccaa cactaccaat ggcaccagt 339

<210> 11093
<211> 532
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (287)..(287)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<400> 11093
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catcagaaat gatttttaca atctcaagaa aaaccatgtc ccagaaattg agtttactgt 120

tgcttgtatt cggactcatt tggggattga tgntactgca ctatactttt caacaaccaa 180

gacatcaaag cagtgtcaag ttacntgaac aaatactaga cttgagcaaa agatatgtta 240

aagctctagc agaggaaaat aagaacacag tggatgctga gaatggngct tctatggcag 300

gatatgcgga tctaaaaaga acaattgctg tccttttaga tgacatttta caacgcttgg 360

taaagctgga gaacaaagtc gactatattg ttgtgaacgg ctcggcaacc aacactacca 420

atggcaccag tggaaanctg gtgccagtaa ccacaaataa aaggataaat gcatcaggca 480

gcattagata gcagttgaag atcacctgtg ctgctacatc caccggggat ta 532

<210> 11094
<211> 461
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (364)..(364)
<223> n is a, c, g, or t

<400> 11094
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gataccgggg atacaccctg gctgactggg tctgtcttgc atatttcaca agtggcttca 120

acacagctgc tgtggaccac gaggctgatg gaagtactaa caacggcatt ttccagatca 180

acagccggaa gtggtgcaaa aatctcaaca cagaggtccc caatgtgtgc cagatgtact 240

gctctgactt gttgaatcct aaccttaagg atactgttat ctgtgccatg aagatcactc 300

aacagcccca aggtctggcc agctgggagg cctggaggcg tcactgccag ggcaaggacc 360

tcanagactg ggtggatggc tgtgacttgt aggatcctct gtggatggac caggccacgc 420

acagcaggct gggagatgtg gtttggtttc tgatccaggc t 461

<210> 11095
<211> 359
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<400> 11095
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gagatgaaga tagtggaata tggcaaggac atcacggagc tgttcaacgt gctcatgaca 120

ctggagatgc aattggtaga gcagctggag gagactataa acatgtttga aaggaacatc 180

attgacttgg ggcacctact ccacccctgg cctttgctta acttggccac aatggctcag 240

tgccgggacc tggagaacca ccaccacgag aagctccnag agatctccat caatactctc 300

gagaagatac tgaagggtga tgtcgatgag gacctgcctg atgacttgcg cccgctttt 359

<210> 11096
<211> 478
<212> DNA
<213> Canis familiaris

<400> 11096
tggagtctca gttgcaccag ttgaccatcc tggcctcagt tctgctagtg gccagtagtt 60

tctcaggcag tgttttgttt ggctcacctc agtttgtgga taagctgaaa catataacca 120

aagacctgat ggaggagttt aagtccaggc ctgaggaggc tctgcagact gtgagtgaac 180

aggtgtctca ggaaatccat caaagcctca agaacatggg ccttgctgct ctgagcagtg 240

acaacacagc atctctgata ggacagctcc agaacattgc caagaaggaa aattgtgtcc 300

gcagtgtcat tgatcagcgg atccacctgt ttctcaaatg ctgtttggtc ctcggtgtgc 360

agagatctct cttagacctc cctggaggcc tcactgtcat cgaagcagaa ctggcggaac 420

taggccaaaa gtttgtcagc ctaacgcatc acaatcagaa agtgtttggc ccctacta 478

<210> 11097
<211> 385
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<400> 11097
gaagatactc tcacagctgt tacagaggaa gctgagagca ctttttaaaa acctnagaaa 60

tgtnagattt ttcctggtgc tcatacctga tgtgggccct aatgatatct ctgtataaca 120

aagctgctac aaagcccaca gattttgtgc aaaagaaaat acaaaacaag ttggattttt 180

cttcttagta ttgaagaaat ttctctgcac atatttttgt aggctccaag tggaaagctt 240

ttccctattt aaatatatta ttacaaggaa aaatttattt tctaagtact ctgaacttgt 300

caactctaac tctgaagctg tcaactctcc ctattgaact tttataagag accataaaaa 360

aaatttgtga ttgtctctag agtgc 385

<210> 11098
<211> 504
<212> DNA
<213> Canis familiaris

<400> 11098
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gtagtaatat cactcatctc cctcagttgc aagaacatgt gggattccat cagtctaaga 120

tatcaggggt ctggtgtttt ggagtggatt cccatcgtgg cacaggaaca aatgatgttg 180

gtcatgtgag acctggtacc ccctgtgctc ctgaaaaata ctgtgcaaat tctgtctgca 240

atggtactat aagtgacatg aattatgact gtatccctga gaaatgcaat cgcaggggca 300

tttgcaacaa caacaggaac tgtcattgcc acataggctg ggatccccca ttctgcaaat 360

tgcgaggtaa aggagggagt atagacagtg gacccccctcc aagaagaagg cgggcagtca 420

ggcaaagtcg tgaggcagtg gtatatctga gagtcatctt tgctcgaatc tatgccttca 480

ttgctgcact cctctttggt gttg 504

<210> 11099
<211> 198
<212> DNA
<213> Canis familiaris

<400> 11099
ctgggcctta gcagcatgtg cctgtgctgc acagaagatg atgccatcca agtgaacccc 60

gaagggccaa gatggcagca tccttcggaa gtcactgcaa ggcagtccag agataaacgc 120

attgagaata tgaaaaacat aaggaaagag aagaggaaat ttaataaacg gtttgcaaga 180

cctgctcctc ttccagaa 198

<210> 11100
<211> 526
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (103)..(103)
<223> n is a, c, g, or t

<400> 11100
tgacccggct caaggcacag acagagaagc tggatgagga gcggcagcgc atgtntgacc 60

ggctggagga cacgagcctg cggctcaagg atgagacgga tcnatacaag cgcgtgatgg 120

acaagctgcg gcagaaccgc cttgagttcc agaaggagcg ggaggcgacg caggagctca 180

tcgaggacct gcggaaggag ctggagcacc tgcagatgtt caagctggac tgcgagcggc 240

cgggcagggg tcgcagctcg tcctctggcc tgggcgagtt caataccagg gcccgcgagg 300

tggagctgga gcatgaggtc aagcggctca agcaggagaa tcataagctg cgggatcaga 360

atgatgactt gaatggacag atcttgagcc tcagcctcta tgaagcaaag aacctctttg 420

ccacccagac caaagcccag tctctggctg cagaaataga cacagcctct cgcgatgagc 480

tcatggaagc cctaaaggaa caggaggaga tcaacttccg gctgag 526

<210> 11101
<211> 403
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (252)..(252)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (309)..(309)

<223> n is a, c, g, or t

<400> 11101
actttccagg ttcattttca cagaccatat aggaaacttt aatgaagaca cattttgtaa 60

ggaagcaagt tctagcnctt tctcaaataa tccttgaaat ctttaatcca gcatttcngg 120

gtgttcccat ttaatnaact aaaaatgaac aattctaatt tgttgagcaa nggtaatttc 180

aaaattgtaa tctgagcatg atcatacagt ttcctcgctt ctgatatttt cgatttatgc 240

tcattagtgc gnatttttat ccttgcattc taactttaaa ctcaaattaa tgctatgatt 300

atcttgctng attaataatt cttgattttt aggcttatca atacttaata tgtttaggat 360

ctaaagaaaa tgacaccagg ctattataaa tccccgtgaa atc 403

<210> 11102
<211> 562
<212> DNA
<213> Canis familiaris

<400> 11102
aacagtagta acagccagtc tgagaaagaa gatggcacta taagcaatag taatcagaat 60

gggatgtcat ctaatggacc aggggaaatg ttgaacaaag aagaaatcaa agttgagggg 120

ttacatgtta acggaccagc aggtggaaat aagagaccac ttcatgcaga tatggatact 180

aatggttatg aaacagacaa ccttaccact gaccaaaaac ttggccatat gactgcaaga 240

aatgaaaatg attttgatga gaaaagtgag agacctgcca aaaggcgaag ggtaaacagc 300

aatggaaaag aaagtccagg ttcttcagaa tttttccaag aagcaatgtc acatggaaaa 360

tttgaagagc ttgaaaacac agatgactaa atcttaaact tattttactt tctttggagt 420

aaaatctggt gtgactaaaa ttttcagggt tgatgggtta ccttaaaaag ttgatttcct 480

tgaagcagtt ggttaaaatt ttgaaaattt gaattgagtc ctaactttag taaataagat 540

ttcataattc tgccctttgt ag 562

<210> 11103
<211> 355
<212> DNA
<213> Canis familiaris

<400> 11103
ggccagaacg tatttatcag agtccatatg gagttactgc tgtggatttc tcaattggag 60

cacctaatct tctagccgtt ggctatcaca atggcacaat tgccatttat aatgtacaga 120

gcaacagtaa tgttccagtt ctggatagta gtgaatcacc tcaaaaacat ttgggacctg 180

tatggcaatt acaatggata gaacaagatc gagggacaac aggtgatgac aaaagagaaa 240

tacttgtttc tatatcagca gatggaagaa tctccaaatg ggttatacgg aaaggactag 300

acagtcacgg atacaaatat ctatttggct ggcaccgaag aaggccatat tcaca 355

<210> 11104
<211> 379
<212> DNA
<213> Canis familiaris

<400> 11104
tgatgtgttc ttaagctgtt ctgcagattg gggtgttatt atatggcaac aggagaatac 60

caagccattt ttgagctttt atccaactac ttatgttgtt tatgatgttg cctggtctcc 120

aaaatcctcc tatatatttg cagctgcaaa tgagagcaga gtagagattt gggaccttca 180

caccagcact ttggatcctc tcattgtgaa tgttgctaac cctggaatca agttcacaac 240

tgttctcttt gccaaacaaa cagattgcct tctagtgggt gacagtgatg gacaggttgc 300

tgtgtatgaa ctaagaaata tgcccactgc gttggattct ggccgaggag atataataga 360

tactttgctt ggacccaag 379

<210> 11105
<211> 431
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (400)..(401)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (404)..(404)
<223> n is a, c, g, or t

<400> 11105
acaatagttc tggaaccgtg ggtatgaagg agatgaaaag gacaagtaaa tgtgaattct 60

aattgtcttc aatcaagcag aatgaaaatg aagatgctat aactgtgata actggagagg 120

aaaataattt aggtggatag aagttggaaa tcataatcta aaaaatgctt tgaagagtaa 180

aatatttctc ctttgaattt attctggtca ctgttgcctg aacactcccc ccaaagatcc 240

atatctatgt tcattgtata tgaattaaat caataccaat tatatggatt ttcccataaa 300

tgttagttgt aaatctcttg agccgtaaag ttttgatgga aaacacataa aactctagaa 360

aactattgga aatattaaag ntaacacttt ccataagctn ntcnttactg agcatagcat 420

attttacttt c 431

<210> 11106
<211> 149
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<400> 11106
gaccacttct gagaaacctt aaagcagtct agtggcaact ttgtttaaga gccaacattc 60

ctccagggct gcccagacct cagncgctca acactgtgga actagcccct ctgctgagtc 120

tgttgtaggt acctctaatt gagtgtgga 149

<210> 11107
<211> 505
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(294)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(302)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (305)..(307)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<400> 11107
gaggctcttc acataaattc caatcgtata tgaaattcag gtgtcatggg gtcctttgcc 60

tgctgaaggt ctctctggaa gggttctgtt tcctctatct tgtattggga gcagtggctt 120

ctgttttcca ttcagatgcc ctcataaccg ggaagagatt ggcagatgtt tcttccccat 180

acaaaaatgc tgcagaagac agaagtagaa ataagtcnca cagagagaga gagagnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgancn 300

nnggnnntca ggatcgngcc ctggaccaaa gtgactcaca cccctgcccc atccactgtt 360

tccaacattc ataaaacctt gtcacataca attggccttt ggggtgtggg atctcagcca 420

aggaacaagg gaccatatca cactgagtct gagaagcaag agacagaagc agctgcagga 480

tccatacctg ggatccaaag gcggt 505

<210> 11108
<211> 184
<212> DNA
<213> Canis familiaris

<400> 11108
gacttgggag atcttgcctt gtagccgctt gtctcctgct ctacctgtcg gacacagttt 60

caccacagca agccatcgac agcctgagag acctgcgagg gtctggagca atacagacga 120

tcaagcaata taattatctt catgagtttc gggacaaact agctgcacat ctatcatcaa 180

gaga 184

<210> 11109
<211> 526
<212> DNA
<213> Canis familiaris

<400> 11109
actgactgcc atcttcttat ttgagaatct ggcatcccta acaggaagaa ggtggaagat 60

ttttttgcg gaagaaataa aaaagagcat gatttcattc cttctccacc tctgggatcc 120

taatcccaag attggagccg cttgctgtga cgtcctgatc atctgcatcc cttttctggg 180

tcttcaggaa ctctatgggg tgttagatca tctccttgat ggtcaggatc taccacgggc 240

cagggatttc tacaggcaat tctgtgtgaa actggcaagg aaaaaccagg aaatcctgtg 300

gatcctccac acccactcat tcaccttctt cagcagcaat tgggagatga tccggagtgc 360

tgcagtcaag ctcacagatg ccatcgtcct caatttgacc aaccgatata tgcagttatt 420

agacaaagaa caactgacca cacggctcca ggcacttcgg caagacccct gtatcagtgt 480

ccagagagca gctgaagctg ccttgcagac cctcctgaga aagtgt 526

<210> 11110
<211> 36
<212> DNA
<213> Canis familiaris

<400> 11110
tgtgtcaatg gcaagtcggc tttgtaaagc tgcaat 36

<210> 11111
<211> 350
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (295)..(296)
<223> n is a, c, g, or t

<400> 11111
ggcacacttg gcacgggtca gacacagtgc cgccagtcag agagccaccc ctgcagcttc 60

caggaggagg agacccgcnc tggcacccgc ccgccagccg cccgcgccac cctgccctgc 120

ttttcctggc caggaggaca gtgacatgag cagcggggag actgtggagg ggccggcagc 180

agaggatgaa gtgctggggc cgtgggggcc aaggaagcca gcctccctgc agccctgctc 240

tgggccgttc tctcccttag gactgcaaca gcaaccacag cccatggggc ctccnnaagt 300

ggatgacagc agctcggagg attcagacga gattgtcgtt gctccagctc 350

<210> 11112
<211> 256
<212> DNA
<213> Canis familiaris

<220>

<221> misc_feature
<222> (48)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)
<223> n is a, c, g, or t

<400> 11112
gaggctcagg gataacttct tcacgtactc ttttcaaaaa aaaaaaannn naanacaaaa 60

cctgtttcat acagctgaat attaaagaat atgcagatca tctcaggcac cttaggaatt 120

gaacatgttc atattgnccc attacctcct cgatgacatg aagataggag aatctgctga 180

caagcagatt cactttgaga cctgctacta cttcagggtc gngaatttgc cttctgccaa 240

acccacggga gtgtta 256

<210> 11113
<211> 488
<212> DNA
<213> Canis familiaris

<400> 11113
gtactttccc ttgcatactc aataaggcct tagttggtga catcaaagag aagctgtgtt 60

atgtggcctt ggagccagag aaagagctat gcaagaggcc agaagaggtt ctgagagaat 120

acagactgcc agacgggaat gttatctaca ttggagacca gctgcaccaa gtgcctgaaa 180

ttctttttgc acccgatcag ctgggtattc acaacccagg actctccaaa atggtgtcca 240

gcagcattat gaagtgtgac actgacatcc aaaataatct ttttgcggaa attgtgctgt 300

ctgggggcac cactcttttc cctgggcttg aggaaagact tatgaaagaa ttggaacagc 360

tggcttccag aggaactccc atcaagatta cagcttctcc tgatagatgt ttttctgcat 420

ggataggtgc atccattgtg acctctctga gcagtttcaa gcagatgtgg atcacttctg 480

cagatttc 488

<210> 11114

<211> 474
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<400> 11114
gatcatcttc gtgatgggcg gcccaggttg tggcaaaggg acacagtgca agaacatggc 60

gaccaaatac ggcttccgcc acgtggggct gggccagctg ctgcggcagg aggcccgacg 120

cagcacccag cggggccgga agatctatga catcatgctg caggggctcc tggtgcccac 180

gggcatcatc ctagacctga tcagcagcac catgctgtct cacccagaga nccgaggctt 240

cctcattgac ggcttcccac gggggctgaa gcaggccaag gagtttgagc gccttgtggg 300

ccgggcccca gacatcgtca tcgtgtttga ttgctccatg gatacaatgg tccggagagt 360

gctgcaccgg ggccgggtgg agcacagggc agatgactgt gagtcggcca tccgccagcg 420

cctggagacc tactacatgc tgtgtgagcc agtcctgacc ttctatcagc agaa 474

<210> 11115
<211> 431
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (30)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (135)..(135)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<400> 11115
acagcggtag aagagtcccc aggccctctn naggannaat ctccagacaa agttcctgag 60

ttggagttag aagaagaaac tcaagttcaa gagatgaccc tcgatgagtg gaaaaatctt 120

caagaacagn ccagnaccaa agcctgagtt taacatccga aaacctgagt ccactgtccc 180

ttccaaagca gtggtgatac ncaaatccaa gtatagagat gatatggnna aggatgacta 240

tgaagacgat gcccatgttt tccggaaagc agccaatgac atcacatccc agctggngat 300

taatttcggt aacctccctc gtcctgggcg tggagccaga ggtggcccac ggggaggccg 360

gggaaggatc agaagggcag aaaactatgg acccagagtg gaagtggtga cacaagatgt 420

tgctcccaac c 431

<210> 11116
<211> 481
<212> DNA
<213> Canis familiaris

<400> 11116
agcaattttt tcagttccat gcaatgtgct ggtgaagttg atctacatac agaaaatgag 60

gaagactatg ataaatacgg aattcgaatt cgagtcaaat ttcgcagcag tacgcagctg 120

cacgaattaa ccccacacca tcagagtgga ggtgaaagaa gtgtttccac catgttgtac 180

ttgatggcgc tccaggagct taatcgatgt ccatttagag tagttgatga aatcaatcag 240

ggaatggacc cgatcaatga acggagagtg tttgaaatgg ttgtaaatac tgcttgtaaa 300

gaaaatacat ctcagtactt ctttattaca ccaaagctcc tgcagaatct tccttattct 360

gagaagatga ccgtattgtt tgtctacaat ggtcctcata tgttggaacc taacagatgg 420

aatttaaagg ctttccaaag gcggcggcgc cgtatcacat tcactcaacc ttctcaataa 480

a 481

<210> 11117
<211> 191

<212> DNA
<213> Canis familiaris

<400> 11117
ttctgtatgt ttttgaagtt ctcaacattt aaactaaagg acacggtatt actattttaa 60

cgtgtatttg acctacctgt gaagatttat atgtagtctt aagcagttag tacactaaaa 120

tgaattttta gctgagtttt atattgtgat tcttaatctt atctgagaca atgtaagagc 180

ccttttgaat a 191

<210> 11118
<211> 428
<212> DNA
<213> Canis familiaris

<400> 11118
aactgtccca tagctaccac tttgactggt ccccgcaggg tcacaggagc tgatgtcaca 60

attggtgtct gatctctgcc ccccaaaatg gccctggcga gtcattgctg tttagactag 120

accacaaagc tcttcagcca ggaactaaca tgctgggcaa tccaccatct ggtcttgaat 180

gaagacagcc cagtacccag gactcaggga atagaccacc acacctttca gtaccaccta 240

ttgtccccag cacacaccac cagctgagca agaagcccca caatgattgt tgtcttatgg 300

ttgcttctca ttgcaggaac catgtggaag ggatataagt atcccccagg agggaccccg 360

gtggaagtaa gcaaagatga tcctggtgaa gtaatgcagc tctgaagctc acctgaccag 420

ctgtacag 428

<210> 11119
<211> 169
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<400> 11119
tcatgtttgc ttgtgaatgt gcctcttagg agcaattgtc tgggagtgan tggattaagc 60

ttgggctgca caggcagatt gtgctccntg aagnccgngc tccctgaaag actcagagca 120

gctcagccag catgtccaga gtatgaagca tgaagtacat ttattctgc 169

<210> 11120
<211> 364
<212> DNA
<213> Canis familiaris

<400> 11120
actatcttct attcgtgtct atgagcgaat gccagtggaa tccttaaatg cattacttag 60

acagctggag aaagagaaaa ggagtcttga aaatcaagtg aaaaactgtg cacttagact 120

ggaacaagag tcaaaggctt acaacaaaac caatgatgaa cgccgtacat atctagctga 180

aatgtctcag ttctctggct cacaccaagt ttctaaaagg caacagatgg atcaacttca 240

gaaaataaaa gagaatcatg tgaaaacagg aagatataat tcagctaatc agaagatagt 300

aaatgccaag aaggtaccag caaaaaagat tacaaaacca aaccatcttc caaaactcaa 360

tccg 364

<210> 11121
<211> 60
<212> DNA
<213> Canis familiaris

<400> 11121
gagagctggg tccaacgacc aagattagga gacattttgt aacccagaaa tacagaaagc 60

<210> 11122
<211> 439
<212> DNA
<213> Canis familiaris

<400> 11122
gaagaacacc atcaggaagc ccagaaggcc aaggaggcag acatagagaa gctgaaccag 60

gccttgtgct tgcgctacaa gaatgaaaag gagctccagg aagtgataca acagcagaat 120

gagaagatac tagagcagat agacaagagt ggcgagctca taagccttag agaagaggtg 180

acccagctta ctcgctcact tcggcgtgca gagacagaga cgaaggtgct acaagagacc 240

ctagcaggtc agctgaaccc cgactgtcag cctatggcca ctaactggat ccaggagaaa 300

gtgtggctct cccaagaggt ggaaaagctg agggtgatgt tcctggagat gaaaaatgag 360

aaggcaaagc tcatggtcaa gttccagagc catagaaaca tactagagga gaaccttcgg 420

cgctctgaca aggagttaa 439

<210> 11123
<211> 429
<212> DNA
<213> Canis familiaris

<400> 11123
atccagtccc cttgctttga gctcatccca gaggaggagt gtgtggaacg gttctggtat 60

ggctggtgca aaagctatag gcctgtctct gtggccgtga tccaccatcc catccaccat 120

gactgtgggg cagataatct gaatgacaag ccccccattc cgacccaggt ggggccggcc 180

accaccacca ccacacccgc tgacccagtt atgggcacaa tcacaagtac cccggattca 240

gcagctccca tcactatctg gcgctctgag agccccacag ggaagtccca gggccaagtt 300

aaatcggaat cttcacctcc agacctgagc cggtcagtaa gcccgagaga gttgaccagg 360

atgtcagagt ccagcccaga tagccgggga gacctggaga gtgaggacag ttacaatgac 420

cccaggcgg 429

<210> 11124
<211> 375
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<400> 11124
ccgtgctggc catctcctgg gtgctgggcc gcgccctggc cctgctcacg tccgtcctct 60

tcgtcctccg acagctgtgg aactggctct gggcctggtg gacccgangg cnagcggtga 120

agccccagcc ctgccagaga gcccaggtcc ggaccttcac tcggcggaac gacctgtgcg 180

ccatctgcct ggacgagtac gaggagggcg accagctcaa gatcctgccc tgctcccaca 240

cctaccactg caagtgcatc gacccctggt tctcccaggn cgcgcggcgc tcctgccccg 300

tgtgcaagca gtccgtggcc ggcacggaag acggctccga ctccaccgtc gatagcttcg 360

gcgacgagga cccct 375

<210> 11125
<211> 444
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<400> 11125
aagactctgg atctgttctg tgctcctgca gaagagtatt tggctggggt gtcctgtggt 60

gtgagggact ggctgggagg ggggccaagg gcaatcanca gccacagagg atggtgccac 120

aaaggagagc cttgggggtt aggactactg tgctgtcaga aaagattaga aatggggatt 180

tctgaggagg aaccgccaag tgctctgcca gaagggccag gcctcgagtt ggaactgtct 240

tgcttgcatt tcgtcctgtc tacactgttg tacgcatgcc ctgaagtttt cctgaatgat 300

gagacaaaat gtgttttcct tggccattta gagcctgtgt tttcagagca aacagtagaa 360

aacaagaaaa tgctttcaag tataaaaagt acctcaaacc atctgcagat aacactgggg 420

ttactggctc taccagcttt tgaa 444

<210> 11126
<211> 592
<212> DNA
<213> Canis familiaris

<400> 11126
gaactagact tggagctgct gccaacttca gccaccacag acaacacgct gagaagatcc 60

aacagcgccc ctttgatcaa tgggcttggt gataactcac aggtgttcca aggtgacaca 120

ttaacaactc gaagaaatag cacaacgttt atgacacaac attgtccgga agaaggtatg 180

gatttaataa atagagaagc aatgcatgaa tggaaggtac aaactgcaat acagataaat 240

cggtcttggg aagcaagttt gaacctgagt gacggtgatt tagagaaacc atcttcaaag 300

tgcatcgatt taattccagt atccccagca acttctccta ccaggggaat tgggaagcaa 360

tgtttgcctc catcgttaca aacttgtgtg ggttgcacca ctttgcctcc aagtcctatt 420

cctaatccta cacaacgatt tacagtaaga agtcaaagcc ccaacaacac tattagacca 480

agtatctgtg gacctttaaa aagaaaaggt gaaatatttg aagatcagcc aaagaggagt 540

ttctatggca caaccaacgt ggtttcttct gatactaccc aacagtctga ta 592

<210> 11127
<211> 120
<212> DNA
<213> Canis familiaris

<400> 11127
atgggttccc attgtgccaa gctcggcaca ggccacagcc ggggccacga atcctccatg 60

aagaagctca tggcctgcgt gagtcaggat aacttctcct tgtcgtcaga aggcgaggaa 120

<210> 11128
<211> 76
<212> DNA
<213> Canis familiaris

<400> 11128
gtctggttgc caaggctacg taaactctta gcagtaaatg aaaatgagta ttttaccgaa 60

ctgcaattga aagaag 76

<210> 11129
<211> 60
<212> DNA
<213> Canis familiaris

<400> 11129
caacaaccag aagcgccaga agtgtcgttg gcgccaatgc ctacagtttg ccatgaagcg 60

<210> 11130
<211> 388
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<400> 11130
aaaagttcag tatccaccct ggagtcactt acaaaagctg ctctgattgc aaaagagaca 60

acccaagtgg cacaaaacgc agcccaggtt cttgagtcct ttgagcactt gccacctctc 120

ccagagccac caccactcct gcctgaactg gtagacaaaa tccgagacac acttcctccc 180

cagaagcccg agctcaaagt gaaacgggng ctgagaccca agggcattgc cctgacttgg 240

aacatcagca aaatcaatcc caagtgtgct ccagtggaaa gctatcacct ctttctctgt 300

catgagaacc ccaatcataa gttgatttgg aagaaaattg gagaaattaa agctttgcca 360

ctcccaatgg cctgtacttt atctcaat 388

<210> 11131
<211> 460
<212> DNA
<213> Canis familiaris

<400> 11131
tgtatgaaga ccctgttcca ctgttcttgc ttcatggcat gggaattgcc gaaaagagct 60

tatagccgga agtcctggga caaccagcag cagacggtgg ccaagatatg caagtacctt 120

gtgactaccc accaggacag cgccttcaca ttcctcagcc agagcctgga gtatgccaag 180

aattcccggg cctccctccg gaagtactca gtcatgttca tagggtccct ggtcccttgc 240

atggagagca taatgacaga agaccgtctg aacgaagtga aagcagctct ggaagacctg 300

agacacgacc cagaagcatt ggtgtgcatc tatgcagccc aggcccagga ccacatcctg 360

gccagctgct ggcggaactc ctggccgctg ccgcacgggg actcgtgggt gtgtgacccg 420

gtccccacgc accgctggag ccctagctgt gagaacctgc 460

<210> 11132
<211> 548
<212> DNA
<213> Canis familiaris

<400> 11132
gtccccgagt atcgcaggcg cgtctatcag atgatcctgg agcgcagggg tgatggccgc 60

gtccccggag agaagggcct ggggggcacc ccccggggga cagagcccag tgggccccgg 120

gcgcacctgc tcaaacccag ggccatccat cagctgtctc cgggctcgcc tgcacagaag 180

ccgggacgca gacctcagag cagcccgggt cgccagggcg cccacgccaa gaaccttccc 240

cggcagagct cggcccccct gctgcagcct ccgccgccag gagcgggaag ggggcggcgc 300

cctccctggc ctcgcagacc gccgcccaga tcccggccct ccgctcctag gcgtccttcc 360

ctccctcccg gccccgcccc tgacgccccg ccccccccact gtgcgcaggt cccacgcgcg 420

ctccccgcgg atgccccgcg cgagccccgg ccgggccgga ggatgttcag cgcctcggcc 480

tcgcagggcg ctcagggcgc ggccagggcg gcgctcgggg gctactctca agcctacggg 540

accgtctg 548

<210> 11133
<211> 238
<212> DNA
<213> Canis familiaris

<400> 11133
aacaggaggc ttacagactg ctaaaggctt cactgaagtc tcaagtcatc agttatggtg 60

actgcagtga aaaagtggcc gaaacttttt acaacatggg caggatctgc ttcgccaaag 120

gagagctcag aaaggccatt cagctgttac agaagtgtct gatgattcaa atctttttat 180

atggaagtga gcacagtaaa agcagagaca caaaagacct ccttaccttg ttgcagag 238

<210> 11134
<211> 559
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<400> 11134
ggaactgggt gaatgcatct gtgctccatg ccattgctgc cacacaggag gagagagcca 60

tggcaaaccc caacaggacc gaatggatgc agatccaaag actagaagct gnaggggaga 120

gcttacaaga ggaaatccgg agaaaagaaa ccctccttag ggaaaagctg aagaagacag 180

aggaggaact ccgaaggatc cagaaagaaa aggaacaggc taaggaaaat gaaaaaagag 240

agctacagag aatgacactc cccaggagga gaattaaagg taatagcaac accacataca 300

aacctacctt ctccccagaa ttcgggtctg aggaggtctt cagtagagac aggggagaag 360

atgaactttg gggacagtct caagaaaatt ctggtccatt ccagttctct gattacggaa 420

tacagaagct caaaagggaa agactggtgg caagcaataa cagaatccga gacctagtct 480

cagagtcatc aaaggagttt tctcagtctt cagaaggcct ggcagtgttt tgtggggatc 540

caccagcaat tctagtttg 559

<210> 11135
<211> 384
<212> DNA
<213> Canis familiaris

<400> 11135
gtaaccagga aactaccaca gcccaatcca gttagggagc aactaactat gagtttcagt 60

gagaggagaa agatgaagac tccctttgag cccaggacca gaggtggtgg caaggtcctg 120

aagccaacac tgaaggcaaa aagacccctt cacaggagtt tgagcaaaag aattccagaa 180

aaatctgcca actctgtgag aaatgctaag aaaactagaa taataacact attcggtcac 240

tatcacagac tgaatgagat gctgaatcaa aatgagcaag agcgagagca agaccaggac 300

caggaccagg accaggacca ggaccaggac caggaccaat accaatacca ataccaagag 360

aatgtggaga agtccaccac ctca 384

<210> 11136
<211> 281
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<400> 11136
atgctgtccc aaggtatatc catgctgtac tccttttca tgccagctac caaactcagg 60

gaacgnttgg atcagccgat gacagaaatt gtgagccata tgtcaaagcg aaagctgggc 120

caccatntnc gggcactgnt ccttgagctg tgctgcaatg atgagagcgg tgaggatgtn 180

gaggttccct atgtacaata taccttccgc tgatttccca gtctctaaac agtcccttct 240

agttgtggna aaacaagtgc ctaaccttat atccttttga g 281

<210> 11137
<211> 159
<212> DNA
<213> Canis familiaris

<400> 11137
tggacctgcg agctctgctg ttacagatac catgtcatag ccattaaaat gaaacaacct 60

tgccagtggc aaagcatttc tataacactg gttgagaaag ttcagatgat tgctgtaatc 120

ctaggatccc tgttcttaat agcgagtgtg acctggctc 159

<210> 11138
<211> 531
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

<400> 11138
aagagctacg cgcagcctga ggttctgcgt cgcacctttg agaccttgtc cagcctccac 60

aggctgctgc ccagtcggct cgtggacacc ctccattcct acaagacgga ggacaagcaa 120

gactgtcaga atcctgaatt ctctggctta gaaaggatct tagcacgaca tcaacttcca 180

aaagagatta atgcgacccc aaagccaagt agcatacccc tgtggagaag aaaatccatc 240

aacaatgcaa atcgtgggtg gaagaaatgc catttatgga aaaaaaaaat ggaggagcct 300

ccaatgtcaa ccatagttgt cagatggttg aanganaaca tgcaacccac cgaagacctt 360

cagtcagtaa tccagaggct gtccgtgttt gggccaatta agtcagtcac cctctgtgga 420

cggcaaagtg ccatcgtggt gtttgaagac atgatttcag cctgtaatgc tgtgaacgct 480

tttcaaagca gggcccctgg cacaatgttt cagtgttcct ggcaacagcg a 531

<210> 11139
<211> 300
<212> DNA
<213> Canis familiaris

<400> 11139
gctgccatta cccagaatgt tgagagaacc aggccacggt gatgcccatt cccaggagca 60

tcctcatggc ttccaaaaca tgaggttcca ttatgagcgc aacccagaga ctgatatgat 120

gacagagatt ggcctagaag agctcaatgg actggagatg gaagtcatga aaaggcagct 180

gcaggtgatc accagccgcc tgcgagccct ggaggaccag ggcgccacct ggcgccacag 240

ggaagctctg ttcttcaccg tgctggtgtc ggcctgcatt gccaacctgt ggctgtggat 300

<210> 11140
<211> 495
<212> DNA
<213> Canis familiaris

<400> 11140
acactgctgt gtgtacttcg tgccgcccac tgggcactgc ctgcggccct tggacattga 60

gttcctacag cggctgtgcc gggccgtgaa cgtggtgcct gtgatagccc gggccgacag 120

cctgaccatc gaggagcgag agaccttcag gcaaaggatc cagcacaacc tgaggagtca 180

ctgcatcgag gtgtacccac agaagtccct cgatgaggac accaatgacc ggatccttaa 240

cagcaaaatc cgggaccgga tccccctttgc cgtggttggg gctgaccgag agcacctggt 300

gaatgggaag tgtgtcctgg gccggaagac caagtggggc atcattgaag tggagaacat 360

ggcacactgt gagtttcccc tcctgaggga cctgcttatc cgctctcacc tccaagatct 420

gaaggacatc acccacaacg tgcactacga gaactaccgt gtctgcaggc tcaatgagag 480

ccacctgctg cctca 495

<210> 11141
<211> 304
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<400> 11141
ccatccatgt caatcggacc tttgaagnac tgtccttgtc tgaagncaag aagcttagtt 60

cctacttccn ccttagngag cctgttgagc tgaagaacaa gaccttactt gagaaggctg 120

acctggnccc ctccctggac ttcatggact ccttggagca tgacatcccc aaagggtcct 180

ggagcatcca gatggagagg ggcaacgccc tggtggtgct gcgcagcctn ctctggccgg 240

gcctcacctt cttccatgct ccccgcacca agaactatgg ctacatctac atgggcactg 300

gtga 304

<210> 11142
<211> 491
<212> DNA
<213> Canis familiaris

<400> 11142
cttccgaggc aggacagtgc agcttcagtc gagaggagct cgagcagatc cttcaggagc 60

ggaatgagct caaagccaac gtgttcctgc tgaaggagga gttggcctac ttccagcggg 120

agctactcac agatcaccgg gtccctgggc ttctccttga agccatgaag gtggctgtca 180

agaagcagcg gaagaagatc aaggccaaga tgttagggat cccagaggaa gcagagagca 240

gtgaagatga agacagctca tggctcctgc cgtctggcaa taaggggccc caccctccac 300

ccactgaatc cagaatccag cgtttctttg gcctgtccta tcagggtgaa acagaggccc 360

ctgaagccca gaccagcacg gtgcccagtg agctaagggg agaagaggag gctctacagg 420

aactccatat gcggcctgtg ggcagccagt cctcaattcc tgactggctc tgctctgcac 480

ttgatgaaca g 491

<210> 11143
<211> 489
<212> DNA
<213> Canis familiaris

<400> 11143
cagtgaggac tacctgtccc tggaggggcc ccgctgggca ccggccatca aacaggcaac 60

acgctggaag tacacacccc tgggacgtga cgcggccggc cagctgtggt acaccggcct 120

aaccaactcg gactcccgcg aggcctggta cacgctcccg cgggccccgg acagcccgta 180

ccgggaggcc tatgcccgct ggcacggatg tcacaggcac cgggagcgaa gcatgccctc 240

ggcctatacc cagtgcctcc gggagaccgc ttggcatgac cccatcatcc ctgcccagta 300

cagggccccc agcacgcagt gggggagcat gctctggaaa gacaggccca tccggggcaa 360

ggaatacgtg ctcaacagac accggtacgg gatggagcca ccggggccgg cctctgacta 420

cgtgccgtac ctgtcggtgc ctcagcgccc gcgctacacc acccagaact accggcagtg 480

ggacctgga 489

<210> 11144
<211> 162
<212> DNA
<213> Canis familiaris

<400> 11144
aggaatgatt tctttgacgc tggcatcacc aaggcccagc tgttcctcac cctccacgac 60

gctgtgctgt ttgccttgtc aaggaagttt ccagagtcat ccgagttaag catggacgaa 120

tctgagacag tgatacagga aaccttctca gaaacagaca ag 162

<210> 11145
<211> 281
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<400> 11145
aacagtggaa gtctcagaag gctctgcttc tcttcagcag taaatgggag aataatttga 60

tacaaaccag aactaaaacc tttacatctc ccacatctgc ctgcagaact taaatcagtg 120

aagagactca ttgctaagca gcaggaagca aaaggaagct tcggcttccc actaaattac 180

catgttgggc tggtgtgcct ttctattgcc ctcagaactg gtgggtgaag acacttgaga 240

ngtagcaagt gggctatatt aaatctctct tctcgcaaaa a 281

<210> 11146
<211> 353
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (224)..(224)
<223> n is a, c, g, or t

<400> 11146
ctgcttggct gtgccagtaa gggtctagat atagaaagcn ctagtaaaag ggtctacaaa 60

caggcggttt ttgatttanc aaaagagatt tttgaggnaa atattcgcag aggatcccaa 120

cttgaatcaa cctgtctgga tgaagccatg tagaatcaac tctagttatt tccgacgagt 180

gaaaaatcca aataaccttg atgaaatcaa gaacttcata gccncagaag tactcaagtt 240

gtttagtctt aaaaaggagc caaaccacaa aacagattgg cagaaaatga tgaaatttgg 300

aagaaagaaa agagaccgag tggatcatat cctggtccag gagctccacg aag 353

<210> 11147
<211> 549
<212> DNA
<213> Canis familiaris

<400> 11147
ctgagttcac tgctggccta tcttccgagc tgcgttctgt cctcaccatg atgctggaac 60

ctgaccccaa gctgcgggcc accgctgagg ccctgctggc tctgcccatg ctcaggcggc 120

ctcggccatg gagcattctg tggtacgtgg ctgccgatgc cctcagccga gggtgggccc 180

tgtggcaggc cctgctttcc ttgctgtgct ggctctggca cggattggct caccccgcca 240

gctggctgca gccgccgagc ccaccagcca ccccgcctgg ctccccaccc tgcagcctcc 300

tcctggatag cagcctctcc agcagctggg atgatgacag catagggctc tcactctctg 360

cagaggctgt cctggccagg gctactggga acacctccac cccccgcagt ggctcccccg 420

ccccccggaa caggtacaca ctgagggatg ccctggacct gagtgacatt gactccgagc 480

ccgctcgggg ctccttcccc tccttcgaac ctcggaacct tctcagcctg tttgaggact 540

cactgggcc 549

<210> 11148
<211> 399
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<400> 11148
gcctgagttt cgaggacttc ctggacctcc tcagtgtgtt cagtgacaca gcaactccag 60

acatcaagtc ccactatgcc ttccgcatct tcgactttga tgatgatgga accnttgaac 120

cgagaagacc tgagtcagct cgtgaactgc ctcacaggac agggcgagga cacacgactt 180

agtgcctcag agatgaagca gctcattgac aacatcctgg aagagtccga cattgaccgg 240

gatggcacca tcaacctctc agagttccaa cacgtcatct cccgttcgcc ggacttcgcc 300

agctccttta agattgtcct gtgacaggag ccgtggcgtg tgtcccagca agcaccctgt 360

cagagagcct tcccactgct gagctgtggc cgaggtcat 399

<210> 11149
<211> 491
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<400> 11149
tgaagaagca aagcctccta aaggaaagag tntttgccc cagagccccg aagatttgca 60

gatgaatcag ggctttaata aatacgatct gtctgcattc tgcagctctt acaccaaaag 120

ttccttgacg cttattaact ctgctttaga tcaagattta aatataaatg ctgtagcaac 180

tagtgaacat aaaataattc caaaagcaga aattaagtca gaaggtgcag atgaactgaa 240

ggcgggccct gagagcgaaa gcagtcatgt tttttgtgct tctgtgaccg cagagcccct 300

ggcagccgat gatgcagaat ccagtgttat cctgccgtct cgggaactgg ctactgccag 360

tcaaaatgtg gaaaacattt tccaaatctt taaaatttca gaagatgtaa acataaagta 420

tgaaaaacag gatgactttt tcatagctac agaaggaaaa gtgcagacca tgcatttaac 480

gtctgacttc c 491

<210> 11150
<211> 349
<212> DNA
<213> Canis familiaris

<400> 11150
cttcaggctt actacaaccg gtacagtgtg caggagatct ttttgagccc catgtacctg 60

ggggcttcat cctatgacat cgccctgcta aagctatcct cctctgtcac ctacaataag 120

tttgtccagc ccatctgtgt tatgatctcc tcctccgagt tccagaaccg gaccgactgc 180

tgggtgactg gctgggggga catccaggaa aatcaggcac tgccatcccc ctacgtcctc 240

caggaagtgc aggtcggcat cataaacact gccatctgta actacctcta cgcacagccg 300

actttccgcc gtgacatctg gggagacatg gtttgtgctg gcaaccccc 349

<210> 11151
<211> 256
<212> DNA
<213> Canis familiaris

<400> 11151
aaagagctcc gctacaccct caatgggaag acaagcacca tccccaccca tggactgcaa 60

gtcaatatca ttgactacac cctgtcacgg ttggagcggg atggaattgt ggtgttctgc 120

gacatttcca tggatgagga cctatttaca ggtgaaggtg actaccagtt tgagatctac 180

aggctaatga ggaaggagaa caacaactgc tggggtgaat atcatcctta taataatgtg 240

ctctggctcc attacc 256

<210> 11152
<211> 269
<212> DNA

<213> Canis familiaris

<400> 11152
acccctcatc ctttcgaggg catatgagag tgcacactgg agagaaacct tatgaatgca 60

atcagtgcgg aaaaacgttc aactggccca tatctttaag aagacatatg aggacacaca 120

tgagggagaa acccttgaa tgcaaacaat gtgggaaagc cttcaatttg tctgcctgct 180

tccgagaaca cgtgagaatg caccctggag acaaatcgta tcagtgtaag ctgtgtggga 240

aggcgttcta ttgccacata tccttacag 269

<210> 11153
<211> 563
<212> DNA
<213> Canis familiaris

<400> 11153
actgccacgg caacttctcg gagaagttct ctttctaccg ccatcacgtg aacctcaagt 60

cctggtgggt gggcgacatc cccgtgtcgg gctcgctgct cgccgactgg agccgggaca 120

ccatgaagga gctgcacctg gccatccccg cggagatcac ccgggagaag ctggaccaag 180

tggcggacgc cgtgtaccag aagatggacc agctgtacca ggggaagatg tatttccccg 240

gatattttcc caacgagctg cgagccatct tccgggagca ggtgcatctc atccagaatg 300

ccatcatcga aagccgcatt gactgtcagc gccactgtgg catcttccag tacgaaacca 360

tctcctgcat caactgcact gactcgcatg tcgtctgctt tggctacaac tgcgagtcgt 420

cagcacagtg ggaaacagcc gtacagggcc tcctccttta cataaataag tggcacaaac 480

aggacaccaa aacaagtctg atatcaccaa gctttacatg tcttgagccc ccacacctgg 540

ccaacctgac tctagaaaat gct 563

<210> 11154
<211> 139
<212> DNA
<213> Canis familiaris

<400> 11154
gggccaccag gagtagagaa tatatccagg caggtcctgc tgcctgcggg cttcatgccc 60

tacccccccc atcccccgtg cccaccaggc aggaaggggg actccagaaa ctttggacac 120

ccaggcctgc ggagcacct 139

<210> 11155
<211> 436
<212> DNA

<213> Canis familiaris

<400> 11155
attcttcagc aaacatcagc ctcaggcctt gaacttcggg ggcattggga tggtgattgg 60

gcatgagatc acccacggct ttgacgacaa cggccgtaac tttgacaaga atgggaacat 120

gctggattgg tggagcaatt tctcagccca gcacttccgg gagcagtcgg agtgcatggt 180

ccaccagtac gggaactact cctgggacct ggcggacaac caaaacgtga acgggttcag 240

cacactcggg gaaaacatcg ccgacaacgg aggggtgcgg caggcataca aggcttacct 300

caagtggatg gcagaaggcg gcaaggacca gcagctgcca gggctgggac tgacctacaa 360

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catacagtcc atcaag 436

<210> 11156
<211> 325
<212> DNA
<213> Canis familiaris

<400> 11156
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agactttcga taaagaactt tcagaagacg cccacccggg gatttacgcc cttgactgtg 120

aaatgtccta caccacgtat ggcctggagc tgacgcgtgt cacggtggtg gacacggaca 180

tgcaggtggt ttacgacacc ttcgtcaagc cggacaatga aattgttgac tacaacacca 240

ggttttcagg ggtgactgag gctgacctcg ccgacacgag catctcgctc cgggacgtcc 300

aggctgtcct gctgagcatg ttcag 325

<210> 11157
<211> 548
<212> DNA
<213> Canis familiaris

<400> 11157
gtggctagcc agacagaaga cctgtccgtg ctgcaggaaa gaagtgaaac ggaaaaagat 60

ggtccatgta aataaactcc ggaggaccat tggccgcctg gaagtcaagt gcaagaacgc 120

ggaagctggc tgctcggtga cgtgcccccc ggcccatcga agggggcacc aggactcatg 180

cccgttcgag ctgatggcct gcccccacga gggctgcaca gcacgggtgc cgcgtggggc 240

cctggccgag catcggcagc actgcccaca cggggcccag gatcgctgcc cgctgggctg 300

cggggccacc ctggggccgg tggagcgtgc gcgccacaac tgctaccgcg agctgcgcga 360

ggcctggagc cagcggcagg agcgcagccg gaccctggtg ctgggcctgc tgcggcgcat 420

gcgcgaagtg caccgcacgg ccaatctcgt ccgcagacag ctggcccagc tcggaggctt 480

cctggaggag gaggacgtga tggtcgtggg cgccccgcaa ggggaggccg aggccacccc 540

agaaggca 548

<210> 11158
<211> 578
<212> DNA
<213> Canis familiaris

<400> 11158
gtatgaaggc tggttcctgg cgctcttcaa cctgctctac agcacactcc ccatcctcta 60

catcggcctg ttcgagcagg acgtgagtgc cgagcggagc ctggagctgc ccgagctgta 120

cgtcgctggc cagaaggacg agctctttaa ctactgggtc tttgtccagg cccttgccca 180

cggcatggtc acctccctgg tcaacttctt catgaccctg tgggtcaccc acgactcggc 240

tgggcccatc agcttcagcg actaccagtc tttcgcggtg gtcgtggccc tgtcgggcct 300

gctatccatc accatggagg tcatactcat catcaagtac tggacggtcc tgtccgtgct 360

ggccatcgtc ctcagcctct tcttctatgt ggttgtaact tgggtcaccc agagtttctg 420

gctcttccaa atctcaccca agaccttccc gtttctgtat gctgaccaaa acgtgctgtc 480

ccacccctcc atcctgctgg tcatcctgct gaatgtgtca ctaaacacct tgcccacatt 540

ggccctgcgt gtcatttacc aagccctcaa gaagcctg 578

<210> 11159
<211> 170
<212> DNA
<213> Canis familiaris

<400> 11159
ctgctggcta gtgggcggtc cttcccgtgt gtgctggaca aagccctggt ggatgacatc 60

aaggaaaagc tgtgctacgt ggccgtggag cctgagaagg agctatcccg gaagccagag 120

gaggtcctga gagagtacaa gctgccagac gggaacatca tctgtgtcgg 170

<210> 11160
<211> 280
<212> DNA
<213> Canis familiaris

<400> 11160
tgtcagacgt cacacaaagc tgccgacaga cgaacgtcca agaagttcaa atgtgacaaa 60

ggtcacctgg tgaaatcaga attacagaaa ctagcccctc agagtgaccg tgttgctgtg 120

cccagaatac cacccgagag ccctggtaac agtgagcctc tggggtttgc caaagagcac 180

gcgctgcccc caggaaaggg ggctggagct cctgcacagc cggaggccgc ggggtgcccc 240

ctcaggcacg ccacagctgt gggcgacact tgcccagcag 280

<210> 11161
<211> 322
<212> DNA
<213> Canis familiaris

<400> 11161
ctgatatgtt tgtccctttt gcttatccct actgcagctg ggacgtactg cgagtgcagc 60

cttggcctca gccgtgaggc cctcatcgcc ctgctcgtgg tgctggcggg catcagtgcc 120

agctgcttct gtgcccttgt catcgtggca gtcggtgtca tgcgagccaa gagtgagcca 180

tgccccagac acagggacag caggttggtg gggcactttg gggtccagga agatcacatg 240

gacctgcact cagtgcaggt ggagtcccaa ctcatggacc ctgagctgga ggtctccatg 300

atgacgcccc tggaggatca ag 322

<210> 11162
<211> 584
<212> DNA
<213> Canis familiaris

<400> 11162
tgtccaccca cttctgggac gaggacccgc ggggcctgtg gaccctgggc ctggaaaaca 60

aaggctacta tttcaacacg gggacgctgt accgctacac gctgctgctc tacgggactg 120

ccgaggacat gacggcgcgg ccccccgggcc cccaggtgac cagcagcgcg tgtgtgcagc 180

gggacacaga ggggctgtgc caggaatgcc acagctctgc ctacaccctg ggccacctct 240

gcctttccta ctgccctccg aggtactgca agcacaccca gcaggcggtg accggcgggc 300

ctgggcgccc ggccacaccc gcgctgcacg tctgctccag ctgccgcgcc tcctgctgcc 360

cctgccgcgg cggctcgccg ctcaactgca ccgcctgtcc cccgtcgtac tcgctgcgtg 420

agcatcgggg ctcctgctcg ggacctgtgc ctcccaacag ccccccccag cccaccgcag 480

tcggccaccc caggtgccac cgtggccgtg cccaggctgt ggtattgacg ctgctggccg 540

tggccttcgg gagcccctta ctgtgccgca tcctctacag gctg 584

<210> 11163
<211> 109

<212> DNA
<213> Canis familiaris

<400> 11163
tccagcaggg cgctttcggc aactcccaga tgtacaacaa caactttggg cccaacttcc 60

ggggccctgg accgggaggg attgtcaact acaaccagat gcccctggg 109

<210> 11164
<211> 426
<212> DNA
<213> Canis familiaris

<400> 11164
gaatgaccca agatatatga tcctcaacga gcccttcaag tccgagatcc acaagggcaa 60

ttacttggag atgaagaaca agtttctggc ccgtaggttc aagctactgg agcaggcgct 120

ggtcatcgag gagcagctcc ggagggctgc ctaccttaat atgacccagg accccaacca 180

cccagccatg gccctcaacg cccgcctggc cgaggtggag tgccttgctg agagccacca 240

gcatctgtcc aaggagtccc ttgctgggaa caagccagct aacgctgtcc tgcacaaggt 300

cctgaaccag ctggaggagc tgctaagcga catgaaggcg gatgtgacac gcctcccgtc 360

catgctgtcc cgaatccccc ctgtggccgc ccgcctccag atgtcagagc gtagcatcct 420

gagccg 426

<210> 11165
<211> 347
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<400> 11165
gatccctggg tctcacagaa gagcaactga gacagcagct cacagagtgg caggacctcc 60

ncctgaagga gaatgtccct ccttctctgt tgcttctgtc acgaaccttc tacctgatag 120

atgtgaagcc aaagccaatt gagataccac taagtgggga gtctcccata acagatactc 180

ctgtggaatc acctacttct cctgaatcta aagagacgct ggtggattta gcacctccac 240

tgaagggaac tcaggatgaa aaatttatac aactgccacc agttccatca tcatccataa 300

caccaacacc tatttcgtta cctaaaggac ccatcacttc cgctaaa 347

<210> 11166
<211> 510
<212> DNA
<213> Canis familiaris

<400> 11166
aggaaaacct gtgccgcgca gagcgcgagc gccgggcctc cgccaacctg cgggtgctca 60

tcgactgcat cctgcgggac gtggccgagg acctgcggct gcagtgcgac gccgtgaacc 120

tggccttcgg gcgccgctgt gaggagctgg aggacacgcg ccacaagctg cagaaccacc 180

tgcacaagac gctgcgggag atcaccgagc aggagcacaa cgttgcggcg ctgaggcagg 240

ccatcaaaga caaggaggcg cccctgaagg tggctcagac ccgtctgtac cagcgctcac 300

acaggcccaa cgtggagctg tgccgggacg ctgcccagtt caggctgatg agcgaggtgg 360

aggagctgaa catgtccctc acggccctga aggagaagct tctagaagca gagcagtcgc 420

tgcgcaacct ggaggacacg cgcatggatc tggagaagga cctggccgtc aaggccaaca 480

gcctcttcat cgaccgccag aagtgcatga 510

<210> 11167
<211> 233
<212> DNA
<213> Canis familiaris

<400> 11167
agtgccgatt ccgacactgt gaagaggctc ttggcagtga cactgtatgc tcattatgga 60

gagagggaaa atgtttagat ccactttgca gatttagaca catggaaatg cagcaaaact 120

gcagcatttc atgcttctgg gaaactcagc ctcttggttg tgtgaagatc agttgtatct 180

tttatcacag caaacctcgc aatatcaatg gattattttt gccaccaagt agc 233

<210> 11168
<211> 432
<212> DNA
<213> Canis familiaris

<400> 11168
gaatacagtc caatcctcag aagctctggg aagatgaccc agaattacct ccgatctgtg 60

gttctttagc acccactagt gggcatttat tgaacagtga ggataaaata gatgaaaatc 120

attttacaaa atctcacagt gaatcatcac cccacattca gctagtggga aatgtgggac 180

agcttcatgg tgtcacttct gtaaagttgt gtcgtaaaga gttacgtcag atttctgcct 240

tggaactatc attacggcgt tctagtcttg gagttggggt tggatctatg actgctgatt 300

ccattgaagt agctaggaaa ccgagtgact taaaaactta ggcttttaat aatagaactt 360

ttaatttagt agaggcataa gattcttttg tctgacctgt tagaaattaa ggcatatgct 420

cactagctct tc 432

<210> 11169
<211> 581
<212> DNA
<213> Canis familiaris

<400> 11169
agcggtgata gatgctctct caatcaacaa ttccactcct ttaactagag ccatcgagag 60

ctgtagactg gatactgtaa aatacctcct tgatattggg gctaacttcc agctggaaaa 120

tagaaaggga cataccgcca tggatattgc aaaggcgtac gctgactata gaataattag 180

tttgattcaa gaaaagttgg ataacttgcc aaaaccagca gaaaatcaaa aactgaaagg 240

caagccacct cctaaagtga agagcgaagg ccttgaaatt aagaaagaag aggaaccact 300

tgtatcagtt tattctgtgc caactgtatc agaagaaaag aaaaaacgta aagacaatgt 360

ggtttatctc aattcattga ttaccagtgg tcataccaag aaagtggata tcacatttat 420

tccacggagg acctggagtc ctgaagccac aacagcagag ctgatcagga aaagggagtt 480

gcggcgagag aggttcagtt atgaggtgga ctttgaagac ttcatgatgc cctttcagaa 540

gaacatcaca gaaaaagcta aagccttaga agccaccttc a 581

<210> 11170
<211> 118
<212> DNA
<213> Canis familiaris

<400> 11170
gattctcaca gtcaagctgc ttctgggccg gagatgcagc ctgaaggtgt ctgggcaaga 60

gagcgtggcc atgctgaaga agctggtgtc ggaacgactg caggtgcccg aggagcag 118

<210> 11171
<211> 118
<212> DNA
<213> Canis familiaris

<400> 11171
acttctcagt gtcttgtttt ctttttgtca tctgtcctga gaaggagatc agaaagcctg 60

ttgctactta cggttgcctg ccatggtatt tagatgtaac acgtattaaa tcggtatt 118

<210> 11172
<211> 119

<212> DNA
<213> Canis familiaris

<400> 11172
caatctcagg aactcgagaa acctccggac agcaggcctg cagacagctt cccagggaag 60

agaggggcac ccaagcggct gcgaccttcc tcgtccgaag tggaagagaa acctgatgt 119

<210> 11173
<211> 263
<212> DNA
<213> Canis familiaris

<400> 11173
aggcctgcag acagcttccc agggaagaga ggggcaccca agcggctgcg accttcctcg 60

tccgaagtgg aagagaaacc tgatgtaaag gtaacgtcga gcaagaagaa atttgccatt 120

ccacagatca tcatcactag agcctctaaa gagactctag ccagctacag ttccatcgga 180

agcgaagagc agagaaccat tcaggagcag gttgaatggg gcccctacta ccgacataga 240

aaccccagta cagtagatgc cta 263

<210> 11174
<211> 493
<212> DNA
<213> Canis familiaris

<400> 11174
tccagcgccc tacgttggaa aacgatgact cctacctggg gaaactccgg gcttccaaga 60

aactgccata taagaaccca actcaccttg ctcagcaaca ggaaccctgg agtcggctca 120

gctcaactcc cacaatcacc tccacgaggc gggatattta ttttcttgat cctgagatac 180

caaaggatga cctggatttc cgcttagcag ccttgtacaa ccaccacaca gggacattca 240

agaacaaaag tgagatactt ttacaccagg agaccaccca ggatatccat ggaatcatca 300

agacccaatt ccctggagaa cttttacccc ctcctccgcc accttccgtc acttcccgag 360

ctaacatcag acactggatc aaccctaaga aggagtctat ccacagcatc cagggatcca 420

tagtgtcccc tcacactgct gccaccaatg gaggctactc ccgaaagaat gatggtggct 480

tcttctctac tta 493

<210> 11175
<211> 129
<212> DNA
<213> Canis familiaris

<400> 11175

gtcggtgtgt ctcgccttcg atcaactgcg ggacgtgatc gaatctcagg aggaactgat 60

ccagcagctg aggaacgtga tggttctcca ggacgaaaat tttgtcagta aagaagagtt 120

ccaggcagt 129

<210> 11176
<211> 120
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<400> 11176
ctcggagagg ttgaggtgct gtctaancag ctggagaaag agaagctggc ttttgaaaag 60

gcgctctcca gtgtcaagag cagagccctg caggaaacca gtaagaagga ccagcttatc 120

<210> 11177
<211> 134
<212> DNA
<213> Canis familiaris

<400> 11177
ttcctacagg aaatattcat atgttttcaa atgtgacaga tgatacccac tattaccgcc 60

ggcagcatgg acgtgagagg atgcagacac ggaaggaaga agaagataag cctcagacta 120

catattctgc attt 134

<210> 11178
<211> 241
<212> DNA
<213> Canis familiaris

<400> 11178
attgtcggct ggattcaggc gtgcagccac atggagttct acaaccagta tggggagcag 60

ggcatgtcca gctgggagct cccagacctc caggagggca agatcgaggc cattagtgac 120

tcggacgggg tgaactaccc ctggtacggc aacaccacag agacatgcac cattgtaggc 180

cccaccaaga gagactccaa gttcatcatc agcatgaacg acaacttcta tcccagcgtc 240

a 241

<210> 11179
<211> 573
<212> DNA

<213> Canis familiaris

<400> 11179
ggactttgaa gctgatatca ctccagaaga gttattcaat gtcttctttg gaggacattt 60

tcctacagga aatattcata tgttttcaaa tgtgacagat gatacccact attaccgccg 120

gcagcatgga cgtgagagga tgcagacacg gaaggaagaa gaagataagc ctcagactac 180

atattctgca tttattcagt tacttcctgt tcttgtgatt gtgattatat ctgtcattac 240

tcagctgcta gctgctaatc ccccatatag tctattctat aaatcgacct tgggctacac 300

catctctaga gaaacacaga acctgcaggt gccttatttt gtggataaaa actttgagaa 360

ggcctacaga ggagcatctc tccgtgacct ggagaagacg atagagaagg attacattga 420

ttatgtccag acaagttgtt ggaaggagaa acaacaaaag tcggagttga caaatttggc 480

aggattgtac agagatgaac gattgaaaca gaaggcagag tcactgaaac ttgaaaactg 540

tgaaaaactc tccaaactta ttggcctgcg caa 573

<210> 11180
<211> 550
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<400> 11180
cagtgacaag ctggcccgct gggctgtgct gggactgggt ggcgggctgc ttgcccactt 60

tctgcctccc ctctatgcca ccagccttgt cctggccgac ccctgccatg acccccccaac 120

tctgagcana gccatccaca cccggcccag cctagacagg gtcctggggc cgtgcctgcc 180

gccccccctat gcccgtacca cgctgcacct gtttgcgggg ccccctgtgg ccccccttgga 240

tcctatcccc aacacctgcc atagcctgag ccttaactgg agtctggggg acaccgatgt 300

cgaggtcgtg gatgtggcca cagggcgtgt gaaggccgat gctggcctgg ggcccccctc 360

ccgcctctgc aaggcagcct ttctcagggc cttccgccag gttgccggag ttctggggaa 420

gtcccgcctc ctagccttga agacctatga ggcagccaag gctggaccct accaggacgc 480

ccgcaggcag ctgtctctcc tcctggacca gcagggcctg ggggcttggt cctcgaaacc 540

actggtgggc 550

<210> 11181
<211> 112
<212> DNA
<213> Canis familiaris

<400> 11181
agccacctgc aaaggctcac ggacttgctt gctcttccag gacctgccgg acttggagga 60

cgctgatgtg ggcgaggctc tggacggcca agatgagatg tgctttccaa ag 112

<210> 11182
<211> 225
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<400> 11182
atgtgctttc caaaggtgac agccatctcg agcttgagtg atgacagtga acccgaactg 60

gattactcct cactcccagt cctggaagac accccagatg cgctttcaaa catattcgca 120

atccccaggg acacctccag gaaggctgag acacccttta nagacatatt taaagcagct 180

aagaggaact cggaaacccc aagtagagac accaagtccc cacgc 225

<210> 11183
<211> 493
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (408)..(408)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(427)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (462)..(462)
<223> n is a, c, g, or t

<400> 11183
cttatgcatt ccttccaaaa ttggatcatt taggtcaaat tatttgatgt taaatcataa 60

gttttcattt gcttacattt acgatatcag cgtcagctac ggaatcaatc tgctgaagga 120

ccgtggctgg cggcgtgtac gatccagcaa ccagcgcctg ggacccgact tcatccagga 180

acccctcaga agactccact gacattagga agactcataa gaaccttaca agaaaaagta 240

tcaaccccat caaaacggca gaaaagaaac atatcttgtt attagtagct gaaattccat 300

tttctacatg ttgccatacc ttataaaaac tacactaagc tacgcttaag gaaatacatt 360

ttcttaaata aattagaatt gaaaccaatt tttaagtaaa tctagggntt caatttattc 420

tcattgngtn ttgtttctgg tgcaatcatg aanaacagca tnctattaac caaccttggt 480

cccatgtaca taa 493

<210> 11184
<211> 431
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<400> 11184
ggacttgcct ccttcaaagc taaaaatgat ccagctccta tcaggagttg ctcncctcat 60

ctgaaaacat ctgttgtttt ccatgctctg aaggcggtga ccactgtttc tgcgatgtga 120

cgtccatgag tatctgctag gtttgcagct gagggctcca agccagcaga tagggtcact 180

tcctctgcgg gccaaggaaa cactgagatt acttcagcaa aaagtaattt ttctgcccct 240

ctgtatcatc actcaggcag ccggttgagt taaaaaagaa aactgatatg ttgtgaagaa 300

gcttgatgaa acttttgctt gatcttttta tatctggatg cagtaatatg gagttaggtt 360

atttcctcac atgcttgtca cctgctttgc aattgctttc ttacttattt gcctgctcca 420

taagattgta a 431

<210> 11185
<211> 557

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<400> 11185
gtgtcagagc aatgccacaa ttctccccag tgtccccact gttctttcct tccagacctg 60

aggggccagt catcatactt ccaggatagt cttaagaaga ttttgctcca tcagatacct 120

gccgcgggga ccctgaggaa agatcgttca caattcaccc tcaagaaagg caaccacagg 180

tcccacaata tacaggctcc taagctcaag actgtgctca cccacagctc ctcaggggaa 240

naggtagggc ggtgcaggcg gttttgcccc ttccgagtgc gatttgctga tgaaaccctg 300

cgggacacag cactccgcta ctgggagcgc aactgtgcag tccggcagag caacatcgag 360

aatgggatag ccacccgatc atcgacatca gaacgggtgt ccgggagtgt cgggagatgg 420

ctggagagtt tgcccaaagc cctaagcccc agggcccagg aggaggccat ggccagcgtc 480

tcgttgttct gctgggagtg ccccggcctg cccacccagg agccacagag tcacctgtct 540

gaggatgcct tcatgaa 557

<210> 11186
<211> 206
<212> DNA
<213> Canis familiaris

<400> 11186
ggctccttga agttcgtgga agactttatg agcttctaac tcattgtatt cctcctgaaa 60

taataatgaa gggccttctt tcagaacttt tgcataattg tgatggacag ctgaaagggg 120

aagtggccca gatggcagct tactatgaac atcgtctaca gctgggtagc aaagccattt 180

atcatttgga agcatttgtg gccaaa 206

<210> 11187
<211> 472
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<400> 11187
agacgatctc tcttctggtg ggcatcttct ctgtccttaa caccatccag ttcctcatct 60

ttgacttgaa ccacattaca tccattggct acgaggaaaa aatcgacatc tacatggaca 120

caaaatcaga ggtaatatct tggatcatga tccagaagaa gtctatcagc attgtcttat 180

ctaccatgac catcctgttc agcgtgttcc ttctctattg catccgcntg aacaactacg 240

tggggctgct gtgttatgct gtgtggatca tcacctatga gctcatcaac ttctccatgg 300

tcatactcat caacgggatc atcaaagagc agttcaagga gctgagttac ctgaacttga 360

tcttccaaat ctcccatatg cttctgcact tcctctccct gcctttcatc tctaagcata 420

tctacttcct ttacaaggac cctaagactt taagtaagat aggccgccgc ag 472

<210> 11188
<211> 431
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(43)
<223> n is a, c, g, or t

<400> 11188
agccggaggc ccagaaagat cgaagnagcc cagggccaga gnnggaggcc cagcacgacc 60

gaagctgccc agggccagag ccagaggccc agcaaaactg aagccgccca gggccagagc 120

cgaaatccca gccagactga agccacccaa ggcccaagac aaaagcctaa caagaccaat 180

gctactcagg gctcaaggca gaggttcaga aagatcaagg cttcccatgg ccagagctgg 240

cgacccagta aggctgccac ccacggccag agcaggggat tgatccggag ttccagcaag 300

accaaggatt tctatgatcc aagttggagc cccagcaata cagagaacac tcaggaccaa 360

tcccaggggc ctagcaagac caaggctgcc cagagctgga gccaaaacac aagtccgggt 420

tcaagcaaga c 431

<210> 11189
<211> 152
<212> DNA
<213> Canis familiaris

<400> 11189
cagtggcaaa tattgacaag tatctttgta tctgtgaaaa ttagttaatt ttgtgggtct 60

ggcacattta ttggttgtgt aaatgttttc cagattctta tattcactgt caaactgcta 120

caaaaaacta aaaagtgttc tctgtaacac at 152

<210> 11190
<211> 597
<212> DNA
<213> Canis familiaris

<400> 11190
caaacggccc tatcagaaag actgtgtgct tattattaat catgacactg gtgaatatgt 60

gctggaaaaa ctcagtagca gcattcaggt caagaaaaca agagccgagg ggagcagtaa 120

aatccaagcc cgaatggaac agcagcccac tcgtccccca cagccatcac agccaccacc 180

acctccacca cctatgccat tcagagctcc aacaaagcct ccagttggac ccaaaacttc 240

ccccttgaaa gataacccct cacctgaacc ccagctggat gacatcaaaa gagagctgag 300

ggccgaagtt gacattattg aacagatgag cagcagcagt gggagcagtt cctcagactc 360

tgagagctca tcaggaagtg atgatgacag ctcgagcagc gggggtgagg acaatggccc 420

agcgtcccct ccgctgcccg cacaccagca gccctacaac agcaggccgg ccgtagccaa 480

cggaaccagc cggccgcaag gaagcaacca gctcatgaac acactcagaa atgacttgca 540

gttgagtgag tctggcagtg acagtgatga ctagagtcgg atctttcgaa atcagct 597

<210> 11191
<211> 527
<212> DNA
<213> Canis familiaris

<400> 11191
gattctgatt ccacagatgc agccctcaca tgtatatttt ctcaagtacc cccaggtaat 60

ttggactgtg gccaccagac tcgctgcttt agaaatcatt tactgcaact actgattgag 120

gaaactgagg ccaaaggcac ggaaggggct tgtctcaggt tgcccagcac aggagcagct 180

gaccctgggc cagaattctc atcttctgaa ggaaataaaa tgggacttct actacatccc 240

agtaagaaga gggtgaagag actggggaag agcaccagaa aggtgccatt tcacatctaa 300

tcacttcttg tcacgtcgta accatcttcc tcataccaag ccccatactg atagatcaga 360

aataacattt tcaaagttat atcttcaagg aaatggctat taatgttctt cttctccttt 420

tagagcactg aggaatacat attaattttc tctctactta tattgcctat ttgcaaattg 480

tattcactac ccagtgctcc aatttgtcct acccctgaag agattat 527

<210> 11192
<211> 343
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<400> 11192
gctacgatgg atgctacccg gacaactcgt catctggagg agactattga caattttgaa 60

aagcagaaaa taaaggatat aaagactata ttttcagaat ttatcactat tgaaatgtta 120

tttcatggca aagctttaga ggtctacact ngntgcntac caaaacatac aaaagattga 180

cgaagaagaa gatttggang ctttccgaaa ttctctgtat ccaccagatt attcatctcg 240

tctagacatt gtaagggcaa attcaaagtc gcctcttcaa agatcactgt cagctaagtg 300

tctatctgga acaggacagg tatccacctg tcaactaaga aag 343

<210> 11193
<211> 236
<212> DNA
<213> Canis familiaris

<400> 11193
tttctggagg tctaaaagtc ttagctcaga aattcccaga aggactgatt acgggttccc 60

tgccagcatc ttgccagcag gcccttcctc ctggctctgc ccggaaacga tccagcccca 120

aagtgccgcc cccaccagct gagaacaagt ggagatttac tccagaagac ttaaaaaaga 180

tagaatatta cctggaagag gatcagggtc ctacggacaa tcctagccgg ctgagc 236

<210> 11194
<211> 491
<212> DNA
<213> Canis familiaris

<400> 11194
catttcacct ttacaaattc cacctccctc aggtgatact gaacagcatt tgaatggcct 60

aactgtgacg catcagtctg atgataatga cacaagagtg ttagaatctg aatgtcaagt 120

acctgtgcag aaggatataa agataaagaa tgcagactct tggaaaagtt taggcaaacc 180

agtcaaaaca tcaggtgtac tgaaatcctc agatgagctc ttcaaccaat ttagaaaagc 240

agcaatagaa aaagaagtaa aagctcgaac acaggaacta atacggaaac atatggaaca 300

gaatacaaag gaaccaaaaa gagttcaaga aaatcagagg gaccttggct tcactcaaga 360

atctttttca aacaaaatgc aaaatcagta ccttggagaa cagaaagacc atcagcagtc 420

ttcagaagct caagataaat acaaactctg gcttctcaaa gaccgtaatt tagcaaggga 480

gaaagagcaa g 491

<210> 11195
<211> 495
<212> DNA
<213> Canis familiaris

<400> 11195
actgtgacgc atcagtctga tgataatgac acaagagtgt tagaatctga atgtcaagta 60

cctgtgcaga aggatataaa gataaagaat gcagactctt ggaaaagttt aggcaaacca 120

gtcaaaacat caggtgtact gaaatcctca gatgagctct tcaaccaatt tagaaaagca 180

gcaatagaaa aagaagtaaa agctcgaaca caggaactaa tacggaaaca tatggaacag 240

aatacaaagg aaccaaaaag agttcaagaa aatcagaggg accttggctt cactcaagaa 300

tctttttcaa acaaaatgca aaatcagtac cttggagaac agaaagacca tcagcagtct 360

tcagaagctc aagataaata caaactctgg cttctcaaag accgtaattt agcaagggag 420

aaagagcaag agcggaggag gagagaagca atggctggta ccattgatat gactcttcaa 480

agtgacatta tgaca 495

<210> 11196
<211> 498
<212> DNA
<213> Canis familiaris

<400> 11196

aagtcggtgc caggaccaat gggaaaggga gccccgggga gcagtcgcca agccccgtgc 60

agttcataac cagtgcagga gctggagatt ccagtcgctc gaccctgcag agcgtcatca 120

gtggtgttgg ggaactggat ctagacaaag ggctagtgaa gaaagcagag cccaacacca 180

aagacaaacc ttatcccgac tgccccttcc tgctactaga tgtgcgagac agagattctt 240

accagcagtg ccacattatt ggagcttaca cttatccaat tgcaactctg tctagaacaa 300

tgaaccctta ttcaaatgac attcttgaat ataaaaatgc ccacggcaag gtcatcattc 360

tgtatgatga cgacgagagg ctggccagcc aggcggccac caccatgtgt gagcggggat 420

ttgaaaacct cttcatgctt tctggaggcc ggctgagcca agctaacgcc tccggaagag 480

actccaaggc tccaggca 498

<210> 11197
<211> 569
<212> DNA
<213> Canis familiaris

<400> 11197
gttcatcaac agctacaggt tctctctcaa gtacctttcc ataagctaaa gaaaaagagt 60

aagtctaaaa gggaaaagaa gaaagaaaag attaatagca gagatgaaaa tccaagaaaa 120

aagtttaagc aaatgaaatc aaaggaaaag tccaaaaaca atcagccaaa gaagaggaaa 180

caacaggtgt ttacttcgaa acctgaagat gaggataatg ctaagcctat gaactatgat 240

gagaaaaggc agttgagctt ggatataaac aaactccctg gagataaact tgggcgagtt 300

gttcatataa tacaatcaag agagccttca ctgagaaatt ccaaccctga tgagatagag 360

atagactttg aaacactgaa agcatcaaca ctgagagaac tggaaaagta cgttgctgca 420

tgtctaagaa aaagaccgct aaagcttcat gctgagaaaa ctcagtcatc caaggctgtt 480

ggaagtggtt cccgactcag tgaaagcagc agcagcagca caagcagctc atcggagacc 540

gagagtagta gcagtgactc gagctcctc 569

<210> 11198
<211> 290
<212> DNA
<213> Canis familiaris

<400> 11198
tgcagtactt tgctgtgacc aacaacaata ttgagatgct accagatggg ctgtttcagt 60

gcaaaaagct gcagtgttta cttttgggga aaaatagcct gatgagttta tcccctcacg 120

tgggtgagct gtcgaacctt actcatctgg agctcattgg taattacctg gaaacacttc 180

ctcctgaact ggaaggctgt ccgtccctaa agcggagctg tctgattgta gaggagaact 240

tgctcaacac tcttcctctc cctgtgacag aacgtttgca gacgtgctta 290

<210> 11199
<211> 590
<212> DNA
<213> Canis familiaris

<400> 11199
atatcacaag ttccatcagc taaaggttag caatgaggag tatgcttgca tgaaagcaat 60

taacttctta aatcaagata tcaggggtct gaccagtgcc tcacagctag aacagttgaa 120

caagcgatat tggtacattt gccaggattt cactgaatat aaatacactc atcagccgaa 180

ccgctttcct gacctcatga tgtgcttacc tgagattcgc tatattgcag gaaagatggt 240

gaatgtaccc ctggaacagc tacccctcct ctttaaggtg gtactacatt cctgcaagac 300

aagcgtgggc aaggaatgaa tgacctgttc ccagcaaccc tcctcgggcc aaccacaacg 360

ccttgggtgg gcaggacagg ctccagaaga aagagccaga gagaccaaga tggaggctgt 420

gaagcaatgt ttccaattgc ctccatagca agaagagttt ttgtttgttt gtctgttttt 480

ttaacctcat ttttctatat atttatttca cgacagagtt gaatgtatgg ccttcaacat 540

gatgcacatg cttttgtgtg aatgcagccg atgcatttcc ttgcagttta 590

<210> 11200
<211> 559
<212> DNA
<213> Canis familiaris

<400> 11200
agcccaacgg caggcgccat ggagtacaca ggaagccgat acatcgggga atatgtagac 60

gggaggatgg agggcgaagc tgaatatatc cttcctacca aaacgaaata tgtcggggag 120

atgaaggatg gcatgtttca tggccaagga accctgtact tccccagcgg gagccgctat 180

gatgccattt gggaaaaggg actggttgtg aagggcacat acacattctc agatgggcta 240

cagtacgatg cggagcactg gcattactgt gacagctatg ataggaggtt ttacaccgag 300

atctgctacg gcttgaagcc tgcagggatc tctcaactca ccaacatgga cccacctcga 360

aagatccctc agggctgtta cgactgtgga gatggcttct ataacccgac cacgagggtt 420

gtcaaggact ataggaatcg ctttctgaga aacacagacg atgacgagca tgagtggatc 480

atcaggacgt gtcgcaaggg ctgggacgag attgtgggtc accgaccgaa gctgtgagct 540

gtgtggctgc ctccactag 559

<210> 11201
<211> 586
<212> DNA
<213> Canis familiaris

<400> 11201
gcttaccatc agttagctct tcgggtacat ccagacaaga acccaaaaaa cagggaggca 60

gctgaggaga aattcaaaca agtaacagaa gcctacgagg tgttgtctga tgctgagaaa 120

cgtaacaact atgacaagtc cggagggaac cgcatcaaaa cagaaaatac aggcgactgc 180

agagacgaaa agtgcttgaa agaggaacca cggtttgaga ggccacactg cggctttcaa 240

gatgtctttg aagacaaaga cctcttctca ggcagttatt ttcccactgg tcatgtgggt 300

aaggccagga gatttcactc ctccttcttt gatgtgatcc ccatattgga cacaggattt 360

tccacgtttg tttccccagg ctccagacca agtccccctt cctctgggac atttgttccc 420

ttcgtaagcc gtggaatggg aaacttcaga ctggtcacca cgtgtagcca gatagtgaat 480

ggcaagagag ttgtgacaaa gaaagttcta gaaaatgtga cagggaagac tggactggaa 540

aaagacagcc tatttcatca gatgcctcca ggtcatcgga aattga 586

<210> 11202
<211> 510
<212> DNA
<213> Canis familiaris

<400> 11202
aaacgggcac gactactgga gaacaccgaa caacctgagg aaaccagccg atcgaaacag 60

aagagtcgac gtcggtgctt ccagtgccaa accaaactgg agctggtgca gcaggaactg 120

ggatcatgcc gctgcggtta tgtgttctgt atgttacatc gcctccccga gcagcatgac 180

tgtacgtttg accacatggg ccgaggccga gaggaagcca tcatgaaaat ggtgaaactg 240

gaccggaaag tggggcgctc ctgccagcgc atcggggagg ggtgctcctg aaggccaggc 300

acggccgcca catgacgctg ttcttagttc actaatgtta gccttattta ggacaaagtc 360

agccagacac cttgtactgg gcacgcgtca gactacagcc agtccgtttc ctttctttag 420

ccagccatcc tggtactgta gtttaggggt tgatggtggt tgaaattgat ttctggctgg 480

ttactaaggt gcctgctagc cattgtataa 510

<210> 11203
<211> 384

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (331)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (338)..(338)
<223> n is a, c, g, or t

<400> 11203
gtggctctaa agtgagtgca ataggataaa ttcctccact cgggagaaag cagaggcaag 60

aagttgacta aacgatgttt aagaataatg ttactgacca taagcctaat gtggaaacca 120

taattaaaaa cattaacaca atttctttgg agttaaagaa gatgaaagag ctctcccagt 180

tgctgctttg tgaccttact ctacatttta atcatcctgt gaagacggat gacttaaagg 240

aaccagaagg aaaaacccgc ctctttgaag agtctgcaat atcagatgtg tcccttgcct 300

ctaataattt ttctatctga tttctttttg nttgttgnga atttataact gtatttattg 360

tggaattaac atgtatctga gaga 384

<210> 11204
<211> 48
<212> DNA
<213> Canis familiaris

<400> 11204
tacagctggg tggagctcac actgcctttc gccaggaaat atggttgc 48

<210> 11205
<211> 463
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (176)..(176)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (282)..(282)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(421)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<400> 11205
aaccacatgc agagtctacg ctttgagcac aaactctatg ctcaggtgaa gcagaaaatg 60

gaggagatgc aacagcacaa catgtcctgg attgaggtgc aattcctgaa gaaagcagtt 120

gatgtcctct gccagtgtcg tgccacactc atgtacactt atgtcttcgc tttctncctc 180

aaaaagaata nccagtccat tatctttgag aatanccaag cagatctaga gaatgccaca 240

gaggtgcttt cgggnctacc tcgaacgaga tatttcccaa gnttctctgc aggacataaa 300

gcagaaagta caagataagt acagatactg tgagagtcga cgaagggttt tgttacagca 360

tgtgcatgaa ggctatgaaa aagatctgtg ggagtacatt gaggactgag aatggcccnn 420

nanaaaatga actctgaaaa ctttaccatc tagagtgctc atg 463

<210> 11206
<211> 587
<212> DNA
<213> Canis familiaris

<400> 11206
gcatgctgcg gcacgagata ggcactcact acctgcgggg cgtgaacaac gcgcggcagc 60

cgtggcacag cgcggaaggc cgcctgcagt acgggctgcg gcccgcgaac cccaccgagg 120

agggcttggc cagcctgcac agcgtgctct tccgcaagca gccctttctg tggcgcgccg 180

ccctgctgta ctacaccatc caccgtgcct cgcgcatgtc cttccgccag ctcttccagg 240

acctggcgcg ctacgtgcag gacgcggacg tgcgctggga gtactgcgtg cgtgccaagc 300

gcggccagac agacacctcg ctgcccggct gcttcagcaa ggatcaggtg tacctggatg 360

gcatcgtgcg cattttgcgg caccgccaga ccatcgactt cccgttgctg acctcactgg 420

gcaaggtgtc ctatgaggat gtagaccatc tgcggcccca tggggtgctg gacaataccc 480

gggtgcccca cttcatgcag gacttggcgc gctaccggca gcagctggaa cacatcatgg 540

ccaccaaccg gctggatgaa gcagaactgg gccgcttgct gcctgac 587

<210> 11207
<211> 476
<212> DNA
<213> Canis familiaris

<400> 11207
ttggcatttg ttacgctgtt tgtgaatatc tgctgagctt aaaggcattt acactgtttg 60

ctacgcattt cctggaacta tgtcatatag aggccctgta tcctaatgta gaaaacatgc 120

attttgaagt tcagcatgta aaagacactt caagaaataa agaagcaatc ttgtatacct 180

acaaactttg taagggactc acagaagaga aaaattacgg attaaaagct gcagaggtgt 240

catcactccc accatcaatt gtcttggatg ccaaagagat cacagctcaa attaccagac 300

aaattttgca aaaccaaagg agtacccctg agatggaaag acagagagct gtgtaccatc 360

tagctactag acttgttcaa actgctcgaa attctcaatt ggatccagac agtttacgaa 420

tgtatttaag taatctcaaa aagaagtatg aaacagattt ttccagggct gaacaa 476

<210> 11208
<211> 185
<212> DNA
<213> Canis familiaris

<400> 11208
ctcccgtctg agagccaaag aagcataccg ctcgctgtga ctgacgcttt agagcacatt 60

atggaacaac tcaatgtttt gacacagact gtttcaatct tggagcagcg actgacattg 120

acagaggata agctgaaaga ctgccttgaa aatcagcaaa ggctattcaa cgttatccaa 180

cagaa 185

<210> 11209
<211> 35
<212> DNA
<213> Canis familiaris

<400> 11209
agattctgaa ggagccaact gtgcgaacga agaag 35

<210> 11210
<211> 341
<212> DNA
<213> Canis familiaris

<400> 11210
cttcatgaaa gtctggattc aggagaaaaa tttagcatca tacttactct tggtcattgc 60

acagaggatt gtgctgagaa actatctcta agtctaggag aatatccttt tggtgaaaat 120

gaagaacaat taaaatacat aaatactaaa gagaagaatt ttgaagagta ctggaaaaaa 180

gcaaaggaac ttctacacag actagaacac cttgaaagag aaagaaatga ggaagaaata 240

caaagagaaa aagataagga taatgtttca tcagtgaaca tagatattca aaacacattg 300

aaacacctcc atgcagatag tcttggcaga ggtcctacag c 341

<210> 11211
<211> 211
<212> DNA
<213> Canis familiaris

<400> 11211
gtcaagacat ctcattcaaa aaggtcagaa ggagtctgaa gatgaaactg agggtgaaga 60

attggatgcc agttttagga tatcagtgtt caaactaccc atacttactt ccgattcact 120

gaagtatgct gcattactga aaggaaaaga gcatgattat tttcctacct gtgtccagcc 180

gttttctact actcatcaaa aaccagcaat t 211

<210> 11212
<211> 328
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<400> 11212
ggctgaagac cgtttgttaa ttcaaaacat aagtaatgag cgcactcttt tgtccaaagg 60

aatgattaaa atggacagat tgaggaagaa ccaggctgtc ttacaacaga aaagtctgat 120

tgttcaacaa agagtagaan cggaaaaaca tcaaaagaat ttattgaaac aaatgaagga 180

aatcagggct caagaaacat ataaaaaaca ctgtgaagaa aaatttgtta ctgacatgat 240

cgcctttcaa aaagcttgtg aacaatttca agatgctaaa acaaaagttg caattatgaa 300

aaagaattta gtctttcaag ttccctga 328

<210> 11213
<211> 322
<212> DNA
<213> Canis familiaris

<400> 11213
gggcacgccg aggtcaagat cctgagcttg agctgcctaa tagcttcgat gataatgttc 60

acggggacca cggtgcaccc tctcctgacc ctcatcatca ccatggagtt gtccgtcttc 120

tgcttcttct tcattaccta caccttcgcc atcaacagat atatgccttt catcctgtgg 180

ccgatttcgg accttctcaa tgatctgttt gccttcattt ttcttgtggg ggccgtgatc 240

atagctgtga aaagccgaca aaccatgccc atgcactact tcattgctgt gatccttatt 300

ggtgtggctg gacttttgc tt 322

<210> 11214
<211> 468
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<400> 11214
tggtcttgct gttcttttct cgggcttctg tctggatgtc agagaagaaa aaagatgaag 60

acagtgggac cagcacatca gtcagtaaag caagcaaaga tacttcctat aagcggcaaa 120

gcaaagatgg tgactgggac tctttacaaa tgatgaaaaa aacaaagcag aaccaactta 180

ctcctgtaac tgattcagaa gtggctttgg tcaatgccta tcttgaacaa agacgagcca 240

ggcgccattc tcagttcagc caggtgaatc agatccaaca tgatagtgat actactgagt 300

gtgacagtga agaatctaac tcaggagcct cctcatggaa ggagagtgaa agtgaacacc 360

atntgtcacc agctagtatt aagaagagaa aactagctca gaggcaaagg aatgtgggaa 420

gttaccaaat cagggaaagg ccctgcctcc actgcaaagc catgagaa 468

<210> 11215
<211> 321
<212> DNA
<213> Canis familiaris

<400> 11215

tgcagtctcc catatagttt atccggccaa gggcttagag attcatctgg gactctggaa 60

cctttttaggg aacaaagctt agctgcttct tcactttcac ccaccgaatg aaggctcgga 120

ggggcaatca ccgtgcctaa ggccatttgg ctggttcatg ggtgaccgtc ctcaggtgat 180

gatgcaggaa cccaggctcc ttccagcttg tggctctgcg gtctcctagg cccttgaaga 240

tctctgcact gaagagtcac ccgctgtcag cggtgcctgg aagctgtctg tgcaaagcag 300

aattttgtcc ctatgtcttc c 321

<210> 11216
<211> 486
<212> DNA
<213> Canis familiaris

<400> 11216
gcatcaacct tctgaggcta ctcaataaac tgaccaaatg gaagcattcc agaacaatga 60

tgctggtagt attcaaatct gctccaatct taaagcgagc cctcaaggtc aaacaggcca 120

tgctgcaact ttatgttctg aagctgctaa aaatacagac caagtatctg gggcgccagt 180

ggaggaaaag caacatgaaa accatgtcag ccatctatca gaaagtacgc caccgcatga 240

atgatgactg ggcttatggg aatgacatcg atgccaggcc atgggacttc caagcagaag 300

aatgtacctt gagggccaat attgaggctt ttaacagccg ccggtatgac aaaccccagg 360

actctgaatt ttcacctgtg gataactgct tgcagagtgt gctggggcag aggttggatc 420

tgcctgagga cttccactat tcatatgagc tgtggctgga gagagaggtg ttttcacagc 480

ccatct 486

<210> 11217
<211> 530
<212> DNA
<213> Canis familiaris

<400> 11217
attatcgtgc aggtcttctt cagaacaact tggaagaagg taatgacctg aaatcattct 60

ggaagaagct aactctgcta gatgcacttt atgaaatagc aatggcatgg aatttagtaa 120

agccagctac cattagcaga gcatggaaga agattctacc taccatagag gaaaaagaag 180

gcttggactt tgatgaagaa gatatttcca tggctactgt gtccaccatt ttacagcata 240

ccaaaggact ggaaaatgtg actactgaga acattgaaaa gtggcttgaa gtggacagta 300

ctgagccagg ctatgaagtg ttaactgaca gtgaaatcat cagaagagca caaggccaga 360

cagacgaatc tagtgaaaat gaggaggagg aaatagaact gattccagag aaacatatta 420

atcatgcagc tgctctccaa tggactgaaa atttattgga ttatctagaa caacaaggtg 480

atatgatcct gcctgataaa ctggtgattc gtaaacttcg agccaccatc 530

<210> 11218
<211> 482
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<400> 11218
agtgatttct gacctaagcc ctgttgagac tgcaagtggg cacagtctcc attcccagtt 60

cctangaagc ttcctgcaat gactttggct aaagccacag ggatccttgc ctcagccagg 120

aattactnag cctgattatc tccaaggcac ctgccagctt ggacattcta tgaaacgagc 180

aaaattagga aaaatgtgaa gcatgttaag tgaagaaggt ttgcacacaa agatggagca 240

aaaagtcaca gaacaatctg cagcagaggt aaactgcaag caccaagcct cctacaggag 300

tgtgcgatgc cagtaaatcg cactgatcca ggctgggagc aagatgctgt gtctgaacac 360

cctcgggcca gagaagcaga agctctgagt tcctgtcacc accacccccc accccgcccc 420

ctgcttttac ctgtcacccc aactctctgg ggatagcagc acctacctca catattactg 480

tg 482

<210> 11219
<211> 83
<212> DNA
<213> Canis familiaris

<400> 11219
tcagggcaat gcaagaattt cagaaaccca actccaagct caggtgcagt ccagcaacaa 60

cgatgagggc agaccacggc cct 83

<210> 11220
<211> 462
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(429)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (436)..(436)
<223> n is a, c, g, or t

<400> 11220
agtgctgcca ggaagagctc cgccagctca aagagaagtc ctctgttacc aaagaaacca 60

atgggaaaaa tggcaataag aatatgaaca aaaatgccaa tggggttaaa aataaaaagg 120

tgaccatacc aagcctcgac tgttctgagg gcagctatga gaacgaaaag aatctggagg 180

tggtgctgca ctacaaggcc agccacacgg atttaggtga tctaacagaa atggaggagg 240

ggaaggaaaa aatcaaggac atgaagcagg tcctctggaa tgaagtggtt tctgtgnggt 300

cagagcctcc agaggtgaag tccacagaag atgaggacgg ggtttatgaa gagtccnaaa 360

aacaggaggg caaggaggaa gacagcaaag atgagagcac tgatgatgct tgtcccgaag 420

cttcagagna aagcancccc ctcaagcttt ctgagagcaa aa 462

<210> 11221
<211> 472
<212> DNA
<213> Canis familiaris

<400> 11221
gaggattctc ccattgaagt ttgtggagct ccaggtctac gaccagcttc agcgcatcct 60

gcggttgagg acagtcactg agaagatcta ctatctcagg ctccaccctg accatcctga 120

gactgtcttc cacttctgga tccgactggt tcaaattctg cataagggcc tgtctatcac 180

caccaaagac cctaggattc ttgtcactca ctgtctggta cccaagaaca gctgcagccc 240

ctcgggagac tctaacttag tacagaagaa accccaagcc tcccagccca gtgagagcct 300

catgcagctg atggccaagg gggagagtga ggcactctct cagatttttg ccgacttgca 360

ccagcacgat gagttcagga gcagcaaaaa gacacagacc aaatgggaca gctcagagaa 420

agacactccc agcgaagaca gcatcccttg cacgcgtgac ctcagttgga ga 472

<210> 11222
<211> 584
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<400> 11222
acgcctgatt gtgctccaga ggtcaccctc agcaggattc tccccctgaa gtttgtggag 60

ctacaaatct gtgaccggct ccaacgcatc ctgagggtta ggaccgtgac tgaaaagatc 120

tactacctga ggctccntga aaaacatcca gaggctgtgt ttcaattctg gatccgcttg 180

gtgaaaattc tgcagaaagg tctgtccatc accaccaaag acccgagaat ccaattcact 240

cactgcctgg tgcccaaaat gtccaacagc tccacttcaa caacacctga aagcagcctc 300

ccgtcatcca ctcagcccag cgaaaacttc atgctgttgg cagctgagca gaccagtggc 360

agtttctcga atatctcagg aagaccccag ctcacagcag acagtaacac caatgttgcc 420

atcaaaatag acaatttgga cagctatcag acacccgcaa gagtggtatc tccagtcaat 480

ttgaacatac ccatgagagc tgccttgagc cacagtctct gggaacaaga gaatccagat 540

gaacacttcc tgcaggctcc tgttgccagt tccctaggag agaa 584

<210> 11223
<211> 397
<212> DNA
<213> Canis familiaris

<400> 11223
gacccagacc agtaatcaat taattaattg tagaaaccat attttggagt ttaaggaaaa 60

aatgctactt ttaaaaaaca agactgaaag aaatcgccaa gagctgatca aagccttgag 120

taaaataaag tacgaaatga cacagagaaa aaatacgtca gtaaacttag gaaagctgtt 180

taaatctgag gacttaactg actttgtacg ttttttttta atgttctaca aagataaacc 240

catagatttg ctcttggggg acatttttca ggtaaagatg tgtgacccag gagaaactcc 300

tgaaaaatgt gcagaacgaa ataagcacat tcgtattcga tataaacctt ctcttttcca 360

gcatgtgggt atacagtcat cattccctgg aagagaa 397

<210> 11224
<211> 256
<212> DNA
<213> Canis familiaris

<400> 11224
ggatcatagg tggactcctg gccagagttt gagcatcctg cttgtgagct cctgtctctc 60

ctcatctact tcagtcacca tcagggcagt gattctgtag ctcatgcttt gttcagctgc 120

cacaatagac agaaccactg gtcctgtttg tagcacattt aacaatttgt ttttagttca 180

gatttctgaa aagtgaaagg tagcttttgt tgtaaacttt ctcaatgttt ccagaatggc 240

ttttggtttt gttgat 256

<210> 11225
<211> 141
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<400> 11225
tcacgtagga tacagaggaa ttaaaaaaat gcattaganc ttggctgtga acttatacaa 60

atgtgaaaca ttaagatgac agagcagagg aagaaaatgg agctcaaatg aaatctacct 120

ctcaaagtga ccatgcattg g 141

<210> 11226
<211> 98
<212> DNA
<213> Canis familiaris

<400> 11226
ggcaggcgga gaccgtgcgg cagctcctgg aagccggcgc ggatcccaac ggagtcaaca 60

gcttcggcag gcgcccgatc caggtcatga tgatgggc 98

<210> 11227
<211> 567
<212> DNA
<213> Canis familiaris

<400> 11227
aaacagatct cttctatcac caatcaagag ctgaagatga tgcaggatga tctcaatttt 60

aaatctactg aaatgcagaa atcacaaagt acggctagga atttgacttc agatagtcaa 120

cgtctacagt tggatctaca gaaaatggaa cttctggaaa gtaagatgac tgaggaacag 180

cattctctga aaaacaaaat taagcaaatg acaactgacc tggagacata caatgatttg 240

ccagctttaa aatcagcagg tgaagaaaag aaaaagaaat tacatcagga gagaacagta 300

ttaacaaccc gcagaaatgc ctttaagaaa ataacagaga agctaaacat agaatatgag 360

acattaaaaa cacagttgca agaaaatgag acacattctc agcttacaaa tttggagagg 420

aagtggcaac accatgagca aaataatttt gtgatgaaag aattcatagc aaccaagagt 480

caagagagtg attaccagtc aattatgaag aatgtgacca agcagattgc agaatacaat 540

aaaagcattg tggacgctct acatagc 567

<210> 11228
<211> 153
<212> DNA
<213> Canis familiaris

<400> 11228
tgctacctag cccagtctga cacattcttc cgcgtgcact ggaattgtgg caagatcatc 60

ctgcagtctc ctaatggacg cttcttaggc attgtggaca atggcctgct gatggccaat 120

gccaccattc caggcgagcc aaatgaggaa ttt 153

<210> 11229
<211> 502
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (404)..(405)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (450)..(450)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (473)..(473)
<223> n is a, c, g, or t

<400> 11229
tgcccggatg gcagcggtag ttctaggggg agacaccatg ggccccgagc gtatcttccc 60

caatcagact gaggaactgg ggccgcacca gggccctaca gaaggcactg gggattggag 120

cagcgaggag cctgaggaag agcaggagga cacaggggca ggcccagctg gctactccta 180

tcagcccctg aaccaggatc ctgagcaaga ggaggtggag ctggcaccgg tgggggatgg 240

tgaagatgta gttgctgata ttcaggatcg gatccaggcc ctggggcttc atttgccaga 300

cccaccagta gagagcgagg atgaagagga ggagggagct accggactga gcaaccacag 360

ctctattccc atggaccctg aacatgtgga gctggtgaaa aggnnaatgg ctggagtaag 420

cctgcctgca ccaggggttc ctgcctgggn ccgggagatc tcagatgccc agngggaaga 480

tgtggtacag aaggccctcc aa 502

<210> 11230
<211> 499
<212> DNA
<213> Canis familiaris

<400> 11230
ataatcaacg tcactctagc agccaaaatg tgtagccaag tgctttgcca ggatcaagga 60

gtgtgtataa ggaaacattg gaattcaaat gactatcttc acctgaaccc agtgaatttt 120

gctattcaac ttgagagaag tggaagatac acagtacaag ggaaacccac acttgaagac 180

ctgcagctat tttccaaaaa attttattgc gcttgttatg ctaatacaca gtgtaaagaa 240

agagtcgacc tgactgacat tcatactgtt aaagtatgcg tgggtgaaga tgtttgtata 300

gatgtctatc taaactcagt acccagtggt cacccctctg actggaaggg gaaatatgtc 360

acttccagca atatcttctc tgccatgcca ccaccggcta cagggcctcc atgtgttcct 420

ggtagagatc tcaacaggtg cctcaaagcc agatttatag tagaagataa ctccaaaacc 480

actcaaacgg gctatcaga 499

<210> 11231
<211> 497
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<400> 11231
atacaattgg tgagagtgcc gcattggggg cagcaggagt aatattgtgg ggaggatttg 60

aatattctga ttcaaaggag acctgcttat ctgtgcaaaa gtccatccaa gggccattgg 120

gccattatgc tgttaatgtg acatctgcag ccaaattctg cagtcaaagt ctatgtaaca 180

ataatggaag gtgtatccga aaaacacctg aatcctcctc ctatctgcat atgcctgaaa 240

gtagcactaa gaaatacatc ctaaataaga gtttcagatt catcatttct tcaaccagta 300

aactgaagac aacaaaggtc atgaagaatg gatttgtgtg tcattgctat tatggctggc 360

agggagaatc ttgtcagcaa ccctcttcag atatcttgag agggaagaat aaggctccaa 420

ggactagctt tattgtacca gtttttctca gcntgacctt atctgtgatt ctatggaatg 480

ttatcacctc ctcttac 497

<210> 11232
<211> 365
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<400> 11232
gcagtttctt gccttctgtg aagggacagc gctgtgcaga tttgatattt caacttatga 60

tgttttaaaa aattgcacaa aaatatgcct gttggctttt cagtctatat ttgaaataac 120

aggttnacag gcagttgttt acttgtggtt ttgctgcact attgcaattt caaaggggct 180

ttgaagcaat tttttatagg attcttttga gggtggntat cgaatccatg tcaaggtaat 240

ggtatnagga aatctcatct gcntgttgaa tccatagttt gtccagttca gattgatttc 300

caaatctgtc aattagaaat tctactttat gtataaaaag gccttttaaa aatgcgggat 360

cttca 365

<210> 11233
<211> 200
<212> DNA
<213> Canis familiaris

<400> 11233
ggagaaacca actaagactc aggatattat acccgatcaa gggaaagaag ttgaaggagc 60

acctgttatt caagggcctg aaatgaaatc tgaactacag gaagtggctc agccaatgac 120

tggggataaa agcgaagatg gtcctgatgt gaaagggctg aaaattccaa acctagagcc 180

cattaaaatg ccagaagcag 200

<210> 11234
<211> 398
<212> DNA
<213> Canis familiaris

<400> 11234
ggcaagatgg ttgcttctct tcaaagcgag atgattgaaa gccaagcaca ccaagatgtg 60

caaagtgaac aaaaagtata tacaaaaata caagccacac ataagcaaag agaattggct 120

actaaatcat gggaaaattt cttggccaga acatcaaatg ctaaagcttt aaagaaagca 180

aagagacttc aggagaaagc tatagaatcc tctagataca gtgagcaccc accaaatgca 240

gtatttcaca ggacagatat taaaggcctt aatacaacgg tgccttctgg tcgggtagta 300

acagtggaaa gcacccctgc ccgattactg ggaggacctc tggctgatac agatattgct 360

cttaaaaaac tccctattcg tggaggagcc ctacaaaa 398

<210> 11235
<211> 225
<212> DNA
<213> Canis familiaris

<400> 11235
ttcccttggc cagaaatgca ctaaaaaggt tcaagattcg aagtattcaa ccaattaggt 60

caagacagaa acacaaaaaa cactcaccag atttccatga caaatacggt gacactgtac 120

tagccagtgg gaccgctttc tgtgttgttg catgggtgta tacagccaca cagattggga 180

tagaatggaa cctatctcca gttggaagag tcaccccaca agagt 225

<210> 11236
<211> 573
<212> DNA
<213> Canis familiaris

<400> 11236
cgctcccatc acaagaagta ctcgaaaccc gtgttggtgt attcttggca ccataacaga 60

gaagccgatc caaaagatta tgatatagag ggtcctgagg aaataaaaaa gctgtgtaat 120

tcaacatact gtcgacttgg aactgacgaa ccccctgttt ggatatcaga aacacacgaa 180

caaatggcac aagtttattt aaacagagaa ttggctaaca taaagaaaaa ggctttattg 240

aatgatgaaa caatgagctc tgggattatt gaaagggaca ctggattgcc tactacaggc 300

tttggagctc tctttactag acatccaccg gatcagtaca aaatgtatgc attgacaaca 360

tatgctgaag aatatgctcc accatatgcc tatcagccac ttgattatcc ttgtcaagat 420

gattattcaa tagtccacag aaaatgccgt tctcagttca ctgatctaga tggttccaaa 480

agatttggca tcaacacttg gcatgacgag agtgggattt atgctaattt atatgtaaaa 540

caaaaactct acccgttaac tggtggtcct gtg 573

<210> 11237
<211> 527
<212> DNA
<213> Canis familiaris

<400> 11237
gtcaaatgtg ccgtgcagga ctacagctat aagggtttca taccaggcca cccctatttt 60

cctgagaaat attggctctg tcaagaggaa gtagacaaat gcaacccata ccacctgtgt 120

ggtgaccggt ataacttatg gaggatggga ccttacaact gtaccggctg gaacaaatat 180

accacatgcc ttcctcggct acctaaggag gccggaatgg agacagcttg tcgaggaatg 240

cctttgcgat gccctcctaa gccggaacga ctcaatgcct acgagcgcga ggtggtggtg 300

aacatgttga actcgctgtc acggaaccag ccactgccgc aaatcacttc ccgatgcggg 360

tgcggggacc cgctgcccgg tcgcttgccc ttccagggtt atgaaagcgc ttgctctggc 420

cgccactact gtctacgtgg gatggactac tgcgccacca gagcaccctg cacggaacgc 480

cgcctccggt ctttgtgcac ccagcagccg actcagtgta tcgccct 527

<210> 11238
<211> 423
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<400> 11238
acgtctgtgg tgaagggccg cttcatgggg gacccctcgc atgagtacga acacactgag 60

ctgcagaaga tgaaggaggg tgaaaaggtc tttgaagaag aagtagtggt ccagatcaag 120

gaagaaaacc gtttggtgtc tgtcatnaac cagattgaca aggctgtggc tgtcatccct 180

cgaggagccc tttttaagac ccctttgga cccatccatg tcaatcggac ctttgaagga 240

ctgtccttgt ctgaagccaa gaagcttagt tcctacttcc actttaggga gcctgttgag 300

ctgaagaaca agaccttact tgagaaggct gacctggacc cctccctgga cttcatggac 360

tccttggagc atgacatccc caaaggtaat agcctattac ttggaggaca ttggatctgc 420

ccc 423

<210> 11239
<211> 480
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (189)..(189)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (372)..(372)
<223> n is a, c, g, or t

<400> 11239
gcctatgggc aagtctagtc tctgttncct catctgtcaa aagtggctgt ncncagtgag 60

aggaagatgc gagaagccca gacagcgagc cactcagtgc acatacagga gcccagtctg 120

tggcctccct gcgtatacag gcagctcatg agacccaggg aggaggaaat gaggtaaccc 180

catcaccgnt gttccctcaa gaataggtca ctgttcaaca tgaatcagta aacttcaaga 240

gggtggctcg gaggaggagg aggaggctac catcctgtca atgcatcatc cttctctgat 300

ctaagcatcc catcccagga aaatgaagaa aaacaggagg ggacggagtg tgcctgcttt 360

ccaacactcc cngcagggct ctgaaccaat acacaacaac aagtgtcaga aaaccaggaa 420

ggaaaactga tttttataga aactggaatg aaactgacca gtctagtttc attatccaag 480

<210> 11240
<211> 172
<212> DNA
<213> Canis familiaris

<400> 11240
agcctctgcc acaaaggtct ggcagggccg aacaagggtc tcagaaagag gaaagagtga 60

aggtgaagat ggtggcccag gtctcatccc aggggccatg tgctcgcata cagactggtg 120

agaatggccc agacctaagc gaacccttaa accctgaggt tctggcctca gg 172

<210> 11241
<211> 539
<212> DNA
<213> Canis familiaris

<400> 11241
gggcaattgt cagcgtattt cttttctgga agggtttaaa agcttgggtg cttgtgaatg 60

cctggttcac ctatgcaatc ttgccagcat tttttgtcgt actcatcgtc cttgcttgct 120

gtgggaaact ccgccgtcag gtgcctgcga attacattct cctgggatta tttacggttc 180

ttcaaggtct gctgctcgga gccgtatcag ttttctataa tgccgaggaa gtgctgtggg 240

caacagcagc aactgctctg gtgaccttgt cgctcacttt atttgctctt cagacaaaat 300

gggatttcac catgctgaat ggaatgctgt ttgttttact cttcgtactt attatctatg 360

gaattctctt actcttcata cgatcatatt ggttgcatct gttgtatgct ggacttggaa 420

ctatagtctt ctcactttac ttggtgatgg atgtgcagct catggtggga gggcgccacc 480

atcactctga cctggaccct gaagagtatg tttttgctgc tctgaacatc tacttggac 539

<210> 11242
<211> 594
<212> DNA
<213> Canis familiaris

<400> 11242
tcctgcttcg ggtcttcaca gagaagcaca gcgagtcctg ggaactggac gaagccaact 60

atgctgagct actccaagag gagcacttct ctgagaatga cgtagatcag gacttcatac 120

atttgtttga gatcgtagca ggaggagagg gcaaggagat aggcatgtat gagttacaga 180

agctgctcaa caaagtggtc accaaactca gaaacttcag aacccagggc ttcggcctag 240

acgtgtgccg ctgtatggtc aacctcatgg ataaagatgg ctctggcaag ctggggcttc 300

ctgagttcca gatcctgtgg aaaaaaatca agaaatggac gagccctgca ttatttcagc 360

caccacacta cacacacagc cctaccacac ctgtctccct tcaggacatc ttccgagagt 420

gtgacgagga ccactcgggc agcttgaact cctatgagat gcgcttggcc attgagaaag 480

caggcatcaa gctgagtaac aaggtgacac aggtgctggt ggccaggtat tcgaatgagg 540

acatgattgt ggattttgac agcttcatca gctgtttcct gaggctgaag gcca 594

<210> 11243
<211> 526
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<400> 11243
tgctcatgac agtcctgggt gtgatcttca tgaagggcaa ctgcgctgct gaggaagaca 60

tctggaagtt cctgggtatg atgcgagtat atgccgggag gaagcacttc atctacggag 120

agcccaggaa gctcatcacc aaagacttgg tgaggctgca gtacctagag taccgccagg 180

tgtctaacag tgatcctcca cgctatgagc tactgtgggg tccgaaagct caagctgaaa 240

ccagcaagat gcaagtcctg gaatttttag ccaaggttag tgatacagtt cccagtgctt 300

tctcaacaag atatgaagaa gctctgcgag atgaggaaga gagagtccaa gccaggcgtt 360

cggccaggca ctactgctac agccagtatg tgttataggg gcacaancag cagcttttct 420

cgcctctact gatacctgag ggtttttttcc caatcatcta aggaaaatat gacatcacaa 480

tagggatttt catggatatg tgaaagaatc ccatttactg caacaa 526

<210> 11244
<211> 552
<212> DNA
<213> Canis familiaris

<220>

<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<400> 11244
tggtggaatc catcagtaat actgtcaaga acttcaaaaa aagtgaagta gagtgtctca 60

taagactttt tcacagcttg gtggaaagag ctaatgtaag acttaataac tncggactag 120

atcgtaatgc atttcgagcg atcctgcaca gcgtatttgg aatgactgat gatatgctta 180

tgaatagggt atttttgca tttgacaaag acaatgataa ctgcataaat gccaaagagt 240

gggttaaagg attatcggtg tttcttcgag ggacttttga agaaaagctt aagttctgtt 300

ttgaagttta ctatttgaac ggtgatggtt acatttctca agaagagata tttgacatgt 360

tgaagaacag tctgcaccaa cagtcatctg aggaagagac tgatgaagga ataagagagt 420

tggtagatat aacactgaag aaaatggatt atgacaatga tggcaagata tcttttgcag 480

actttgagaa agcagtaaaa gaagataaac ttttgttgga agtgtttgga ccatgtttac 540

cagaagcaaa gg 552

<210> 11245
<211> 493
<212> DNA
<213> Canis familiaris

<400> 11245
ggaatacttc cagctgaact ctcatctctc aacactggca aatattcata agatctacca 60

cactcttaat aagctaaatc taacagaaga cgttggccaa gacgatcacc caacaggaag 120

cctgcggtct tgcagctctt cagactgctt tagtaaagtg atgccgccga ggaaaaagag 180

gagacctgcc tccggagatg acttatccgc caagaaaagt agacacgatg gcatgtatag 240

gaaatatgat tcaaccagaa taaagacgga agaagaagcc ttttcaagta agagatgctt 300

agagtggttc tacgaatatg caggtactga tgatgttgta ggtcctgaag gaatggagaa 360

attttgtgaa gacattggtg ttgaaccaga aaatgtagtt atgcttgtcc tagcttggaa 420

actggatgca caaaacatgg gttattttac tctacaggaa tggttaaaag gaatgacttc 480

tctacaatgt gat 493

<210> 11246
<211> 401
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<400> 11246
ggaagagatc caagggctcc tcctggacnc actggcggcc ngnctgttng naggatcccn 60

ctgaggcgct gagtaaccgc gtggtgccct tcctgaagca gaagctcctc agcaccaatg 120

atgacattcg cagcaaagct gcctgcatgc tcactgtggt cagggaaata tgctgccctg 180

gacgcagaag ccatccaccc gctcctgaac ctgctgtgct catccctgag caaggcacgc 240

ttgaacgcca ccaaggccct caccatgctg gccgagaccc ctgagggccg caagtttctg 300

agatctcacg tgcccgtctt ccgcaccctc gaggaagaca ctagtgaggc agtgcggcgg 360

gcagcccgga ctgctatcaa agtcatcgag tggaaaccct g 401

<210> 11247
<211> 321
<212> DNA
<213> Canis familiaris

<400> 11247
agacatttca agatccgtgt gaggaaatcg ttgacaccat ctctggcggg gtcgaataac 60

tttgaggatg ccgtcttgga ttatatcatt tgtcatcttg atctatatga ttcccaaagc 120

agtgttaacg atgtaatccg agccatgaat gtcaatccca agatttcatt tcctcctgaa 180

gttgactttt gtctcctcag tgacttcatc caggagatat gctgcattgc ctttgcaatg 240

cagactttag acccacccct agatatcgca tttggggcag atggagaaat ttttaatgat 300

tgcaagtacc gtcgcagcta t 321

<210> 11248
<211> 304
<212> DNA
<213> Canis familiaris

<400> 11248
agcagcactc catatctcta ctatggcact tcgtcaggat cctatcagtt ccccatggtg 60

ccgggggggag atcggtctcc ttccagaatg cttccgccat gcaccaccac ctcgaatggc 120

agcacgctat taaatccaaa tttgcctaac cagaatgatg gtgttgacgc tgatggaagc 180

cacagcagtt ccccaactgt tttgaattct agtggcagaa tggatgaatc tgtttggcga 240

ccatattgaa attcctcagc agtggcccag cggtatccgg gagccatgtc ccaaatgtat 300

caac 304

<210> 11249
<211> 302
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<400> 11249
gggaacgagc tctgtaacgt cctatacaga caaagactta gcaagagcgn ggcctactct 60

gtgcaggacg agatgctgtg cgccggggac ttctcgacag ggaaggccat ctgccagcag 120

cccatgacta gagtagtccc agtgaaggtg tgcagagacc cggctctggc aggtgtttgc 180

agacctcgca ccacagacgg gacggacccc taccaactcc gggctctctc cacctttgct 240

catttcgctg tgcaggcatc gtggtatctt acagcagcct aatttgtgct ttcctgtgac 300

ta 302

<210> 11250
<211> 123
<212> DNA
<213> Canis familiaris

<400> 11250
tatggcagga aggatctggc atgctgctgc cgccaccact gctgccactt ttcttcccag 60

gtactcaacc agctggaaac cttttgaaag gagtattctg attttctcgg tgactcctct 120

ctc 123

<210> 11251
<211> 483
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<400> 11251
ctgtccttgc tttcaattcc tagagaaggg aggacgcgca gtgtacggtt tcttccaggc 60

ccagggcacc tgncttcagg gctctttact gtagacangc agatctgctt cctagggtcc 120

tgcttattgt ccccctccct tcccaccttn ccatgtttcc aagtcagctt tcctgcaaga 180

agaaatcctg acaaaaaaag gtcttttgtc aagggtcaag agttgaattg ggggtggggg 240

aatggatgca tctgaagcaa agaatgcagg tgcccagatg tgctcccctg agatgtttct 300

ctgataacgt ccctaatcat gccagagaga cgagccattt gccaagaact tggcccaagg 360

cttgagaaga ctgaaagggc cctgccctgc ctaacttcct tagctcacac ctcagctttg 420

ctaagagcca cctgaggccc cagctgaccg catgcatgtg agccagctcg agaacactac 480

cat 483

<210> 11252
<211> 439
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (413)..(413)
<223> n is a, c, g, or t

<400> 11252
aaatggcctt tgacctgtat cctttatcat atcctttatc aaactagtga agatgaccta 60

ttccagctct ctcggtccaa gctgcagatg ctagcatttt ttaccacaaa tcaagaatgg 120

acctaccatg cccgttgtga acgtgcttgt gggtttttcc tttcctgggg gttgactggc 180

atgaagatga agcattgttg gtggctgttt tgacgtcttc cgtctcatcg tcttcctcct 240

cgacgtcctc ctcgtcctga gagcttccga aatataccat gctgttgggc agcgcaggag 300

aacctggtgg gttgaagaag acggcttgtg agcacaggcc tgggtcctcg gcattacacg 360

tagagacatt tattaaggta caaacctaaa tcctcatgcc tgagcagata aancaaagct 420

gttcatttct actgccact 439

<210> 11253
<211> 470
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (405)..(405)
<223> n is a, c, g, or t

<400> 11253
taagggaagt cgtagcaggg cacctgctga aaaaacatca ccccgatggc tcaaaggaaa 60

tcgtgcttcc agatgggaca gtgaaacgtc tgagtgatgg acgtgaagag actgtgtttc 120

ctgatgggac agtcgtccac gtggaaagga atggcgacag aacaatcatg ctcagcaatg 180

ggcaaaggga aattcaaacg gccgggttcg agaggaggga gtaccccgat ggtactgtca 240

agattgtgta ctgcacgggc taccaggaga cccgctatgc atccgggtgc gtgaagatca 300

gatatgagcc tggaaacatg gtcctggatg gaggaagacg cctagaaaat aagcagcatg 360

ttggcagtta gtgggttttt acactcaacg tggagaatcc cccantcaca gggaaggaaa 420

atcttggaaa atctcatcat aagatgtggg tttctgtatg tgttttcaac 470

<210> 11254
<211> 142
<212> DNA
<213> Canis familiaris

<220>

<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<400> 11254
taatgtgggc atacagaggc ggcaccacac ccaggagaaa ccgggccatg gaccagtgga 60

cagctctacc agctccacct cttcgcaagc tcaagctgtg agggagagag aggntccacc 120

ccaggcttaa tattcattga aa 142

<210> 11255
<211> 136
<212> DNA
<213> Canis familiaris

<400> 11255
gaaatgaagt acatacagcc tagccttatc agcagtacca ggggaacaag ggatggggaa 60

gaacagggca tgaagtgggg cctcccctcc ttctctgacc cctcacctgt ggcagaaacc 120

tatctcagta aaatgt 136

<210> 11256
<211> 183
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<400> 11256
gcgaccctat ggctgttagc aactttgagg atgatgactt ctgctagaca gcccgccgcc 60

agccccaacc tgtggtcccc gaaatctggc tgagaaggcc ctatcaaatc tcggcagctt 120

ncaagccctg acctattgtc ctccctgaag aaaagaccaa tgaagtttgg ttttgagtct 180

aat 183

<210> 11257
<211> 499
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (109)..(109)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<400> 11257
atcctcttgc gagatcggtc aacctcccca tgnctggcnc caaccttgct gncacctcca 60

ccactgctgt cacccaccac caccatggnc tctncggtgg ccccatcanc cccctgtcta 120

cactatgncg agggcctttg gccccttccc tccactaccc agcaaatcga tggagaagtt 180

ggaggttgca aggtcagaag tgaaattaaa ctgggctggc ctgtcatcga acccaaagag 240

ccacatggtt gatctgactc ccttggtcct caaccccgga ggcttccatt tctcatacct 300

gactggaaac agtgcgcaca agctccattg ccctggcttc ccctggacct cggcttgtag 360

tggctccccc aataccgagg agacgccacc tgctcctgtg aaggcctcca tcttcacccc 420

acctgtcttg ctcaagttcc agcctgtgcc aagacccaaa gatgactctg agaatgatcc 480

tagcagcaca gagtctgtg 499

<210> 11258
<211> 494
<212> DNA
<213> Canis familiaris

<400> 11258
gagctgggat tctttatcat cctcctggcc cttcctcttg atcaggaggt ggcagacata 60

gcttcatgtg tcacatctgc aggaagaagg ggacatgtcc ctttgtttat aaagaaaacc 120

agtagccttc ccagagccaa ccgcagagcc gtgtttctgt ctcattggct ggaagtgttt 180

attgtgacca ctcttagctg caagagaggc tgggagacag agcacctctt tcctctcctg 240

gcagaaagag ggagagatac atgtgggtcc tgcacacatc acagatgtcc actgcagtgc 300

aaacagctgg caggagatgg accagtgtgc catttgttca ctcatcacta actgctcatc 360

catgtgccac aattagacct tagaagataa agctgtaggg gcatctgacc tctgctcagg 420

tcatgatctc gaggtcctcg gatggaacct cacctcagtc tccccactca gcaggaagtc 480

tgtttgtccc tctg 494

<210> 11259
<211> 345
<212> DNA
<213> Canis familiaris

<400> 11259
gagatgacta tctccactgc tgagacagaa gacctgcaga gtcccaaatc agaagagcat 60

gaagagtgtg cagagccatt gggaagcagc gttttccaag ctggtgggac aggccaccct 120

ccccgtgtca gaggaacagg agatagcctt ggaagcaaat acctccagct catgccagaa 180

aggggacagg ttattccaga aagccacttt agaaaaaggg taaggaactt tctgcaatgt 240

cttaatctca ataaaaaagg caaaggactg gaagatcccc ttcaaaaggg caagcctgtg 300

tcagcaactg tccagaggga ggtaccagtc agaagcagat cagtt 345

<210> 11260
<211> 585
<212> DNA
<213> Canis familiaris

<400> 11260
ctaaggaaat cagtctctcc acctgccagc aacatgctaa agatggaatg gaacaaagaa 60

gcagcagcaa atgcccaaaa gtgggcaaac aagtgcacct tagaacatag cccagcaaag 120

gaccgagaaa cccatacaaa atgtggtgag aatctcttta tgtcaagtta ccctgcttcc 180

tggtcagatg caatccaaaa ctggtatgag gagcaccatg attttgtcta tggtgtagga 240

cctaagagtt ctgatgcagt tattggacat tacacccagg ttgtttggta ctcttcttat 300

catgttgggt gtggaattgc ctattgtccc aatcaagaga gtctaaaata ctactatgtt 360

tgccaatatt gtcctgctgg caataatgtg agtaaaaaga ataaccctta ccaacaagga 420

acaccttgtg ctagttgccc tggtaactgt gacaatggac tatgcaccaa tagttgcgag 480

tatgaagatc tgcttagtaa ctgtgattct ttgaagaaga cagctggatg tgagcatgaa 540

ttgcttaagg aaaagtgcaa ggctacttgc ctatgtgaaa acaaa 585

<210> 11261
<211> 130
<212> DNA
<213> Canis familiaris

<400> 11261
gaggatgcaa aggttggcca agctaccgta gcatcaggca tacctgctgg ctgggtggct 60

ttggactgtg gtcctgagac caacaagaga tatgctcaag ttgtggccca agccaagtta 120

attgtgtgga 130

<210> 11262
<211> 529
<212> DNA
<213> Canis familiaris

<400> 11262
aaaatgactc ttgcacagtt gaaggaagct gaagatgaat ttgatgaaga ggatatgaga 60

gctattgaaa tatatagaga aaagcggtta caggaatgga aagctcttag gaaaaaacaa 120

aaatttgggg aattaagaga aatatctgga aatcagtatg tgaatgaagt cacaaacgca 180

gaaaaagatg tatcagttgt aattcattta tacagatcaa gcatcccaat gtgtttgttg 240

gttaaccagc atcttagtct cctagcaaga aagtttccgg aaactaagtt tgttaaagcc 300

atcgtgaaca gctgtattca acactaccat gacaattgtc taccaacaat ttttgtttat 360

aaaaacggtc agatagaagg caaattcatt ggaattatag aatgtggagg gataaatctc 420

aagctagaag aacttgagtg gaaactagca gaagttggag caatacagac tgatttagaa 480

gaaaacccca aaaaaagcat tgtagatgtg atggtatctt caattagaa 529

<210> 11263
<211> 111
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<400> 11263

agtgcagaag cgtggattcg aatcccagct ccgtgattga tggctgtgga nccacagaga 60

gctgtttgca ttctcgatgc tccactctcc acatttggaa aatagaggta t 111

<210> 11264
<211> 426
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (369)..(369)
<223> n is a, c, g, or t

<400> 11264
acagagagag tttcggctcc tggcatctgt ttcatttgct gcttttggaa tttgtaactc 60

atatacttca gtcacgcata gaagaagaag aggaggacga cgacgtggga aatctcaagg 120

aaatgctacc agatgaccag tctcttgtcc agccagacca ggcacctttc caccctccag 180

attcttcacc aactcaggag tatgacagcc caagtgtgga tccacaccgg gtgacactga 240

aacacatggg ccagagccaa tatcctgtgg gtgtgagcag tgtggttctc agggtcctgg 300

gcttcctggt ggacactgac acaggcaata agctcatcca ggtattacta gaagacaagg 360

ccacggaang cactgtcaaa ctcagccttc ctgtgggaca agaagccctt gtgaccctaa 420

aagatg 426

<210> 11265
<211> 405
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<400> 11265
ggagcctggt gcctcaggac actaacacaa aagcatcctc tcgatccagg aaaacagggt 60

ctctgactcg tgcgggccca cgagccttct gttcctgttc ctcttgccct ggcagctctg 120

cttgctggcg tcgcctgggc ctgtgtcaca gccgcatctt tgatgtcctc cttcctcggg 180

cctggccgac catgccaggg agaggatccc caagcctcct cactttctac agaaaaccta 240

caagaaaaca ctcaagtcat cgtaattcgc gtgctccgag ctctcaggac tgctgctgtg 300

gctctggggg ccctaggagc tgcgtattac atcattgaat ccttgtgaat acancccccc 360

aggcccgtag tccagcagat ccagtttcca tcaaggatct ctctt 405

<210> 11266
<211> 525
<212> DNA
<213> Canis familiaris

<400> 11266
aataagcaga tccttgtgtt gggcctggat ggagcaggaa agaccagtgt tctccactct 60

ctagctttaa acagagtcca gcacagtgtg gcacccaccc aaggtttcaa cgcagtatgc 120

attaacactg aagatagcca aatggagttc ctggagattg gtggcagtga acctttccgt 180

tcttattggg aaatgtacct gtccagagga ttgctgctga tctttgtggt ggattcagca 240

gatcacaaca gattgcctga agctaagaaa caccttcatc aattaattgg aacaaaccca 300

atccttcctc tggttgtgtt tgcaaacaaa caggatcttg aagcagccta tcgtattaca 360

gatatccatg aagctttggc attgtctgag gtcggaaatg acaggaagat gttcttgttt 420

ggaacccaag tgactgagaa tggctcagaa atcccttctg tcatgcaaga tgccaaagac 480

ttgattgcac acctggctgc agatatgcag tgaccaagcc caggc 525

<210> 11267
<211> 480
<212> DNA
<213> Canis familiaris

<400> 11267
ctggcactgc ccaacagatt caagaaagaa tatctaataa atagtgagta cttatcaaga 60

gatgctcttc aaagctctga tccttctccc cggatattac aactctcaat agccaaagcc 120

acaaatccaa actatgttcc tccaaaaagg attgaaacca agatttcagt ttctgccctg 180

actgctgttg caactccaag aattgtagac cttgctcatc caaggatcaa gatagagggt 240

ctatgctttg aaagagaaag aagtgaactg cccatccgtc ctatatccca cgctgccttg 300

ctatgcaaac ctagccctcg aataatagct ctagctaagg ccaagcctct tcatcaagat 360

tatctaccta tccgtgatgc ccactggcca gtatcttatg ctgctatcca ttgcaaaata 420

tctcctagaa ttcaagaact agctaatcca aatacaaggt ctcctgtgca tattgtatac 480

<210> 11268
<211> 431
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(180)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (371)..(371)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<400> 11268
ccaaccccac tctttgtatg gaaagagtct cgcagtcctn gggcacttag cttcgtggna 60

ggtgtgagcc ccacagtcct ggaccaggnc cgaagcctcg ggtgctcgca tgtgagaaac 120

attgcggcaa aaanccaccc gaaaaccgaa aaccggtcag tgtgattccc gngatacttn 180

cctgttcaga ggtcaaagaa gaaanactga aagaacactg cttagtgaga aataatccac 240

ggtaaaggta tcaaggataa acagcgtcag gacggtggtc atctgtgggg caggatggag 300

gtgagccaga ccgggggacg tgaggagact ctcactactg cccaggttag gaatcttgat 360

gactccgagg ncgattatat tagcaaatcc tnccgcaaaa tattttgtac attctttcct 420

cagtatattt g 431

<210> 11269
<211> 185
<212> DNA
<213> Canis familiaris

<400> 11269
tactgccgaa aagctaaaaa cattagtaaa tccagccaat gtaaccttca aaacctatga 60

aggcatgatg cacggttcat gtcaacagga aatgatggat atcaagcatt tcattgatag 120

acttttacct ccagttgatt gatgtcacta agaggccttg tgtagaagtg cacaccagca 180

tcgtt 185

<210> 11270
<211> 340
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<400> 11270
gagctcacga ctctacgact tcttcgaccc gattgctgat cacatccnca gcgtggagat 60

gcagcagggn ccgcacgctg ctgcactgcg ctgctggggt gagccgctcg gccgcgctct 120

gcctggccta cctcatgaag taccacgcct tgtcgctgct ggacgcccac gcgtgggcca 180

agtcgtgccg ccccatcatc agacccaaca acggcttttg ggaacaactc atccagtacg 240

agttcaagct gttcagcaag aacaccgtgc acatgatcaa ctccccagta ggcgtgatcc 300

ccgacgtcta cgagaaagag atccgcttga tgatgccgat 340

<210> 11271
<211> 161
<212> DNA
<213> Canis familiaris

<400> 11271
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cccgaacgtt aaagttttgt tggcaaagaa aactagatgc cttttagaag ggcgagcaaa 120

aaaagaaaag ggggacagtt ggacttttta gcttagtgag t 161

<210> 11272
<211> 495
<212> DNA
<213> Canis familiaris

<400> 11272
aatggccatc cagagtagag acgtggccca gttcagaaat gttgtaacac aattggaagc 60

cgatttagac attaccaaac gacaactagg gacggaacgc tttgaaagag agagggctgt 120

acaagaactt cgccgccaga attactcaag tactgcttat catatgagtt ctacaataaa 180

gccaaataca aaatgtcatt caccagaacg tactcaccat cgatctcctg accgaggcct 240

agatcgatca ttagaagaga atctttgcta tagagatttc tgacacatga aaagattctt 300

cacatccttg ggaaaggtca aagttacaaa ctgtttttt tttgctatat gattgcattt 360

atcttttgaa tgcttgacaa tgttaaatgt atttattaac tttgtgcctc tgaatctctg 420

ttctcatgtg ccatatcgca gtgatctgag atgacttata gaaacaaaat gcatatggct 480

ctttctatcc atgca 495

<210> 11273
<211> 197
<212> DNA
<213> Canis familiaris

<400> 11273
agtatgcaaa aagctgacgc agacagcctc ccaagaagag gtgacctcaa agggggactc 60

agaagctcac tgttctttca cgagaaccag cccctcaccc acacccaaca ggcgctaggg 120

aaatttcaaa acctaagaat cctttcaact gccacctgca ccctgtctat ttggcaatag 180

cgtgtcattg atgataa 197

<210> 11274
<211> 483
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (32)..(32)

<223> n is a, c, g, or t

<220>
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<222> (91)..(91)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (106)..(106)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

<400> 11274
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aaggaaggaa tgagacggtg tctttgggac nttcctggct ccctgngtga gggctcaaag 120

gttactgggt cagaagcatc cctggtattt caggacgcag agggccatgg tggatgcaca 180

aggangaagc agtctcggtg gggaggaata ctgaggcaag atcccgggaa acntgaaccc 240

agaattggaa ccagacatgc agaggaaggg tctcttgggg ccccacacag cagatttcca 300

acaggacggc gagtgtaagc cagaggacag atccttggaa ctcaggattt ccaggcatcn 360

ggccccactg ctggtttatg accccgacaa gaactgaaga aaaccataaa agatgaggaa 420

ctgatgtttg tatggcctaa acctctgccc actactaagc cagccagccc aataaaattc 480

agc 483

<210> 11275
<211> 518
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<400> 11275
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ttgctgtcat gatgccttgt gctgtggaga acacaaagat gtctcccccc acccccccag 120

aggtgncctg caggaggagg ggagcaggga ggaggaggat cagcatagta gtagcagcta 180

gtggtggtag caggattaag cccgtagcnc ttgtgagaac acatacatca cggccaggac 240

caggccgcct tgcaaacact gcaggagtta gcgtgctgaa tcctcacgca gttctaggta 300

gttgacatca tatttatcag gcctatttta catacgtgta tactgaatac tgaggtcatg 360

gctagcaaga aaggccttga ttctcttagc cactgttcag ccaggggagg taagaccagt 420

acaactcaac aaggtggaaa acaatgccat tgaagagatg tgtgctcttg gctacagacc 480

ttttctctct ctgaggtgct caatctgatg gatccaca 518

<210> 11276
<211> 135
<212> DNA
<213> Canis familiaris

<400> 11276
cctctctcaa gaatagtata catgaggtta ctccccagtt tccaggccag tttagttccc 60

agtatggcaa aaactctaat acccttaaat agtgctgaca tccacctccc cagagaaggt 120

cctcggccca gggtc 135

<210> 11277
<211> 559
<212> DNA
<213> Canis familiaris

<400> 11277
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tcccattctg gacaagcttg ttgtttccaa ggtttttgac gaggtgttcc ctctggcaca 120

tgtgtccaac gacaccaata agatgacatt aattaacccc caaggagtca agctcaatat 180

ctacaagcaa aaagtggaac aggcaattaa gagctatgaa agacgtttga ataaaattgt 240

ttggagagca ttatctcaag aagaaaaaga aaaattagat gcatataagc ccatgcggta 300

cttagagaac aaggcagctt taaacagggc attagaacgg ttgaattggc ccatttcatt 360

gaaggagctg tcgatgctgg aaaatgaaat ccttgctggg aaaatgtaca tccaacaggc 420

tatggaactc caggaggctg ccaagaagga gaatcatgca aacaagtcac aaggagaggt 480

agttcaagga aatccaacaa agaaaacgaa atcaaaaaaa ttggatcctc tcaaaggtca 540

gaaagttatt gcaagatgt 559

<210> 11278
<211> 458
<212> DNA
<213> Canis familiaris

<400> 11278
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agatggctct ggcaaaaata ctctcagaaa aaggaagcag gttggaaggg cttaatgggc 120

ctgccttcct cgcatttgca caggcccttc agtctcttcc cgaaacctta gccgagaatg 180

caggcctagt ggtctcagag gtcatggcag agatgaaggg ggctcaccaa gctgggaact 240

tgctggtagg cgttggggtt gaggggatca tcaacgtgac ccaggaaggg gtgtgggaca 300

ccctggtagc caaagcccaa ggacttcgag ccgtagctga tgtggcccta cagctcgtga 360

atgtagatga aattatagtg gccaagaaaa gtcccatgtg tcaacaggac tcgaatcctg 420

ttcctaagaa ggcaaaggaa tgcctatctc ctgtgaaa 458

<210> 11279
<211> 530
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (151)..(151)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

<400> 11279
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tccagcaaga aagcaacaga actaaatgcc agaagaagac aagctgtttg ggctcaaaca 120

cacgtgtaca caacacaatt cagaaatacc naggaggact cctgcgggct taatggatgg 180

cagtctactg aaacaaaatg tgtatgaaga agaaaatgtc aaacttgaga agcaaattcc 240

cttttatttc ccaccccaac tgcaagaaat ggaagatgaa actaccacca gaacaaaagt 300

tctttccaaa taagnacagt cgtagtactg ggttagcggt taactctttc accctacaaa 360

caaataatct ccatcctgtc ctgcttgttt tctacagcgt tggcagcctg agatgacgtt 420

tctattatga ggctactaat aacgtaaatg ggcatctttt aaaacttctc gcagctcaag 480

ctagtgaaac cttgtacttc tattattgcg ccgccattaa aagcagcatt 530

<210> 11280
<211> 324
<212> DNA
<213> Canis familiaris

<400> 11280
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cagccgtggg ggagaagggg gcacgaacct agccggccct gccccgcgga gctcgcagct 120

gggagccgag catcaaagca tccgtgtgtc cggctgcaca atacagcaga tcgaagatgg 180

tcccctgcta acaatctcac acggttcagt ctaagatggt agctgtgata ggtgctacca 240

tgaagaagat ccgcggggac tgggcggcag ggcgaggtga caggtggggt cggccgtggt 300

aaccatctgt gtcctgacag cagt 324

<210> 11281
<211> 453
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<400> 11281
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gggtggccnc tttgaaggct ccactnccnc caaggacgac tacaagcagt ggcctggcat 120

gcgcacagag ctagtcaagc ccgttcccca gttgaacatt cccactgagc ccttggattg 180

tctgaccact atgcgggccc actatgtgcc ccacccaccc atcaatacca aaagctgtaa 240

gccttcctgg gtgggccccc gaggaaatat ccctgtggag ggccagacca catacaccat 300

cagctttact cccaaggatg tgagcaggtg cctggcttca tacgctgagc cccctggcta 360

catctttgag gaaacagacg ctttggggca caggatatac aggccagttt cccagacagg 420

ctctcagcag gacagccgtc tttctgtaga tga 453

<210> 11282
<211> 485
<212> DNA
<213> Canis familiaris

<400> 11282
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atccaaccaa tgcgacctta aacaaattta tagaggaact taagaagtat ggagttacaa 120

caatagttag agtatgtgaa gcaacttatg acactactct tgtggagaaa gaaggcatcc 180

atgttctcga ttggcctttt gatgatggtg caccaccatc caaccagatt gttgatgact 240

ggttaagtct tgtaaaaatt aagtttcgtg aagaacctgg ttgttgtatt gctgtccatt 300

gtgttgcagg ccttgggaga gctccagtgc ttgttgctct agcattaatt gaaggtggaa 360

tgaaatatga agatgcagta cagttcataa gacaaaagcg gcgtggagct tttaacagca 420

agcaactttt gtatttggag aagtatcgtc ctaaaatgcg gctgcgcttc aaagactcca 480

atggt 485

<210> 11283
<211> 503
<212> DNA
<213> Canis familiaris

<400> 11283
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ggggcgataa ccagacacct cagcctctgc tgcaagtcag gagtcgagct gaatgacttc 120

actgtcttta ccaccttcgg cctggcctca gccctgctcc tgggtgtgga cgggcccctg 180

aacgggttcc tggccatcat ctatgtgtta gctgctactt tccgcctgtg cttttactca 240

actggtgctc agctcaccta taagggcctc ccctgccgct atgcttcctg tgtcctggcc 300

tccacctccc ttctgaccaa aggcaacacg ttcattctct cttgcatggc ctcgcttatg 360

attctcttca tgatggacca gagctactac ccgcatgatg aaatcctgga gtctgagaac 420

tggaaaaaat tggtttatct gggaggtatc ttcatgctgc ttttgtcccc gttctcccta 480

actgcttttt actgcttgct gtg 503

<210> 11284
<211> 461
<212> DNA
<213> Canis familiaris

<220>
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<223> n is a, c, g, or t

<220>
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<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (289)..(289)
<223> n is a, c, g, or t

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<222> (296)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (315)..(315)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(360)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (388)..(388)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (390)..(390)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(393)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(396)
<223> n is a, c, g, or t

<400> 11284
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tacactttat cataggtatg tatgtataga aancagtaca tncaaagtca ggtactatct 120

agttgtaggc attcactggt ggatcttgga acttctcctt tacaggatgg gattgtttcc 180

agaagaaaga tccacatgaa ggctctgcat taacagggag cagcacctcc atagacctga 240

gattaggatg gccagagcac aaatgagaga cagagagaga ggcagaccna ggcagnnnnn 300

nnnnnnnnnn nnntncaggg aggncgacgt gggactggat ccggggtccc caggatcacn 360

cnccaggctg cagacggcgc caaaccgntn tnncnncggg gctgcccaca aatcatcttt 420

ttttctaaat ataattactg catttcgtat atccacgcaa g 461

<210> 11285
<211> 416
<212> DNA
<213> Canis familiaris

<400> 11285
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ctattacctc caattctcca gggccttctc tctcatctct gccctcatca tcctcattat 120

tattatatgg ctcagcatct ctctcaccaa agggccagga cacaaaaact acatagatct 180

gggcatgtcc atcttctctt tcatctcagg tacctgccta ttcctctgcc tcattttgtt 240

cctgatgcaa gtgaaattgt acagtaagaa catcttggag ccccatttcc tgttagtcta 300

ccacctcaat tggtggggca gtgtcttcta catgatagct gggttcctct ctggactcaa 360

tcacataagt tctcgggtta cccctcctga tcaaaatctc cttgtgatcc ctttaa 416

<210> 11286
<211> 489
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (237)..(238)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(333)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<400> 11286
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aggtgctgct ctgatgggtn cggggtncan ggcagncggt gncgggttct ccaaccccgt 120

gtccaggccn ttcccggccc ctcctcccat caccaaggtc cttgtgactg tccaggggtg 180

aaggacccga tgcgctttgg tccttagcaa aacagaagga aaatccgacc cagggcnnct 240

ccgccagacc atgttctgcc ctttctcagt ctccgtagcg tgaaatccac ctcttcntgc 300

actcctgcgg cctctgtcca cattctttga ttngaagact cttaagatac tctgatttct 360

gatagtccag cattttggag aatgtctgtc atcttccaaa tncatctata agtggctact 420

aatcactttc tccaccaacg aggattctga acagttcctg gtcagtggct gtcagagtgc 480

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<210> 11287
<211> 437
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (168)..(168)
<223> n is a, c, g, or t

<400> 11287
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agaggtttcg gggctcttca tttctaccta gaggggncct gtgcccagtg gcaaaagaca 120

agaccgggga agacgaggac gatgaggctg atttctatga tgacgccnag caagaggaga 180

gaggcaaggc agagaaaaga caagagatga acatgaaagt aattttcaag tcagaagagc 240

caaaaaagtg tttcatacaa catccaaata atcggaaacc attcttcccc acaaagaaag 300

cagaacggtc catcactggc ttaaccaacc ggaatcttct ccacttggct gaattccctg 360

gtgacctaat gctaatgaat caggatttta tatcacgggg agtcttcccc accgaggtga 420

caaaggccag cctcctg 437

<210> 11288
<211> 42
<212> DNA
<213> Canis familiaris

<400> 11288
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<210> 11289
<211> 404
<212> DNA
<213> Canis familiaris

<400> 11289
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ggtgcgccgg acactgctgc atgcagtaat cagagtgatg gtcattcagc gctggtggaa 120

gcaaatcctg acaaagctga tggagaggag gcggcgtgca gcattggaaa cctttacacg 180

gaaggagtgg gcagcagtca agctgcagtc ctgggtccgc atgtggcgca ttcataggcg 240

ctattgccgt ttgctcaatg ctgcccgcat tatccaggct tactggaggt gccactcttg 300

tgcttcccgg ggtttcatca agggacacta cagagtcact gccaaccagc tgcatctcga 360

gctagagatc ttgatgggct cagggccttg cattgtgtca gagt 404

<210> 11290
<211> 242
<212> DNA
<213> Canis familiaris

<400> 11290
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caggttttgt gctgctcagc cgaaaaagag ctccaatatg agcggggaaa gaacttggac 120

ttgaagcagc acaatagctt acttcaagaa gaaaacatta agatcaaagt tgaactaaag 180

caggcccagc agaagttctt agatagcaca aagatgtgct cttcactcac agcagaatgg 240

aa 242

<210> 11291
<211> 572
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (391)..(391)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (409)..(409)
<223> n is a, c, g, or t

<400> 11291
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tttggaaaat ttgcaaaggg ttctacttct ctgtgcacac aagaagtgaa tatgcaggat 120

gatgattttg gaaactgtag aggaggattt tgtaatttta gggatatctt atgtggaaag 180

atagtttgtc actggacaca gttagaaata ataccattta aaaaatttga tattcagtat 240

acttacatgg aaggccattt gtgtgtctct gcatatttga gaacaccagc agcacattta 300

agagaagata ttacctatac atcaaatggc actatgtgcg gtccagatag ggtttgcaat 360

aatttgcttc attgtcactg tgatgttgga nattctcctc cactttgtna accatcacga 420

acatcaccag gaggaagtat tgataacggg ttttggaata ggggaagtga tgataacaac 480

ctgattataa aaagacgtgc ttcttttcga aaaaatagcc tcttgtttgg tttctacatt 540

tttctacctc tccttattat agctgccatc at 572

<210> 11292
<211> 585
<212> DNA
<213> Canis familiaris

<400> 11292
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cccgttatca tctggccaat gatatttatt ttgccagttg tgcatttgga acagaggaca 120

tcaggacctc ggggggctat ttccacctgg ctaatatctt ctacggcctt aaaaagttgg 180

acctagcaga cacattgtac accaagatcg ctgagatctg gagtaaatac ctgaataatc 240

gctaccaagt gctctcacag aatcgcatcc agcagataga cttactgggc aaacgatttg 300

agaccgacac tggcttggat gaagcccagg aagcagaagc catacagata ctgacctcaa 360

tctggaatat tcgagaatct acatccaaca cagaccccca aaagacaatc tttgttctga 420

aaatcctggt catgctttac tacctgatga tgaattcttc aaaggcaaaa tatgccatga 480

gagccttcag tctagccaaa gaacagcatc tcagtgtcaa cgaacaaagc accattgaag 540

acttactaaa tatgatctca gctgaagaag ctcatcccat tactt 585

<210> 11293
<211> 253
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<400> 11293
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ccaacccctc tgggnccagg ctcaggncca cggggccccc tcaagggcta aacgcggccg 120

ggatgaggga gcagagcagg gcccgtggcg ccgggagtaa agaagggggc cggactgccg 180

gacgttccca tagtaaatct tacgaggcga gccagagctg gcctcaggat caagcaataa 240

acgtcaccaa cca 253

<210> 11294
<211> 372
<212> DNA
<213> Canis familiaris

<400> 11294
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agtcaagcat ttagccctgt gcctgacagg ctgagacttc aattctgcaa actcagatgg 120

tacagatggc catgtgctca catggccagc cccttcagga ctcaaggatg aaaaactagg 180

gaggtgtcat gacatgtcac gtgggctgca ttggtgggag tcgagaggac ttcagtattt 240

cattccatct acatgatgag caagtaggac gtgtggaaga ctctccatat gttttcagga 300

aacatatgta agaaaaaagc caagtcctta ttaacaagct aatttatgat ataagcctag 360

ccatttgagt aa 372

<210> 11295
<211> 283
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (251)..(251)
<223> n is a, c, g, or t

<400> 11295
aggtcccaag aaagagagga aagcttcaaa gaagggcaag gaatcaggta cagaatctga 60

agatgaaaag aaaggtccca agaaagagaa gaaagctcca aagaagggca aggagtctgc 120

tacagaatct gaagatgaaa agaaaggtcc caagaaagag aggaaagctt caaagaaggg 180

caaagagtct gctacagaat ctgaagatga aaagaaaggt cccaagaaag agaagaaagc 240

ttcaaagaag ngcaaggagt ctgctacaga atctgaagat gaa 283

<210> 11296
<211> 549
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<400> 11296
taaaaaaggg caaggagtca gctacagaat ctgaagatga aaagaaaggt cccaagaaag 60

agaggaaagc ttcaaagaag ggcaaggaat caggtacaga atctgaagat gaaaagaaag 120

gtcccaagaa agagaagaaa gctccaaaga agggcaagga gtctgctaca gaatctgaag 180

atgaaaagaa aggtcccaag aaagagagga aagcttcaaa gaagggcaaa gagtctgcta 240

cagaatctga agatgaaaag aaaggtccca agaaagagaa gaaagcttca aagaagngca 300

aggagtctgc tacagaatct gaagatgaaa agaaaggtac gaagaaagat gccaagaaag 360

agaagaaagg ttcaaagaag agcaaggagt ccgctacaga atctgaggat gaaaagaaag 420

atgccaagaa agagaagaaa gatattgaaa caaaggatga tgccaagaag ggggccaaga 480

agggctctaa gaaggatggc aagaaggatg gcaagaaaga tactgacaca gaatctgctg 540

atgcaaaga 549

<210> 11297
<211> 540
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (78)..(78)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (512)..(512)
<223> n is a, c, g, or t

<400> 11297
gaaaggacgc cttgtgcaaa cccaacgact aaagattatg gagtattatg agaagaagga 60

gaagcaaata gagcagcnga agaaaatcca gatgtccacc atgaggaatc aggcaaggct 120

gaaagtccta agagcccgag atgacctcat ctcagagttg ctgaatgatg caaagctgag 180

actcagcagg attgtggccg acccagaagt ctaccagggg ctcctggata aactagtgct 240

ccagggtctg ctccggctgc tggagcccgt ggtaattata cgctgcaggc cacaggacct 300

cctcctggtg gaggctgcag tgctaaaagc catccctgag tacatggcag tctcccataa 360

atgtgtggaa gtccaagttg atcaagaggt gcacctgtct atgaatgcag ctggaggtgt 420

ggaggtctac agtggcaatc agagaataaa ggtttccaat accctagaaa gtcgactgga 480

tctcttagcc caacaaaaga tgcctgaaat angaaaggcc ttgtttggag ccaatgccaa 540

<210> 11298
<211> 399
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<400> 11298
ttcaacccta tcttcagcca aaaagagaga gagacccagg aaacccaaag caggagnccn 60

cagaagaggg gatgcaagac tggtgtcatc cacagttaca gggaagagcc acccagncca 120

ggccagaaga ccagtggaag gtcctttaaa cagactttcc caaagatctc agcataagga 180

ccagagttct cgacacattg ctttccctca gcagcttcac tctaaggctg caggtccccc 240

aattcagcaa ggggcagggc tgagagctgg tgacatcctg acccctcaac actgtaagca 300

ctgccattgg gtccacatgg aaaagcatct ctcttccccc acacctcggg ttccacttac 360

caggagtctc caaagaatgt tagccaagtt tctgggtac 399

<210> 11299
<211> 118
<212> DNA
<213> Canis familiaris

<400> 11299
atggcccctg ccaactaaat ccagtaagag gaggaaagac tggtagtact gacaccccat 60

aacccaagac ctgaagccaa accagttgtg gggtggaaat aataaactag ctaaacta 118

<210> 11300
<211> 339
<212> DNA
<213> Canis familiaris

<400> 11300
tctcggcgag catcatccat tgcggcctcc cggctggagg aagccatgtc agagctcact 60

gtacccagct cagttctgaa acaaggcccc atgcagctgt ggaccacact ggaacagatc 120

tggctccagg ctgctgagct gttcatggag cagcgacacc tcaaggaagc aggtttctgc 180

atccaggagg cggcaggcct ctttcccacc tcgcactcgg tactctacat gcggggccgg 240

ctggccgaga tgaagggcag tctggaggag gccaagcagc tgtacaagga ggcgctcaca 300

gtgaaccccg acggtgtacg catcatgcac agcctgggt 339

<210> 11301
<211> 444
<212> DNA
<213> Canis familiaris

<400> 11301
gaaaccaacc cggaagacat catcttttga aagagaagga tggtggagaa tagcattaac 60

aaatactcct atccctggca cttaccactt gaaaactttc attgaagaat ccttattaaa 120

tccagtaata gcaacctaca attttaaaaa cgaaggaagg aaaaaaccac ctcttgtgca 180

aagaaatgat ccagtcctaa atgaccttcc cctgtacaca cctcctgact tcttggactt 240

gttaaagaag caagtggcca cttactcatt taaagacaaa cctcggtcga gccccagcag 300

gctggtttac aaagatcagt cagttaagct ttcaccaggg caatacgatc tacttcctgc 360

accagttccc aagcacgctt ccagaagctt cgtatttcgt tctacagttc aaagatttcc 420

aacaagctac ttcactcctg taag 444

<210> 11302
<211> 300
<212> DNA
<213> Canis familiaris

<400> 11302
ccatgggtga aagttccggc agacttgaaa gaccccgagg tgttgcaggt ccagacgcag 60

ctcttggaag ctatgtttgg cccagctgga tctcgaatcc cgtacatcga gcaagtgagc 120

aaagtcatgc tcgagctaaa ggttctggaa tcctcgggcc tcaccgaggt cttggtttat 180

ggctcttact tgtacaagct cagggccaag tggatgctcc agtccatggc cgagtggcac 240

cgccagcgac gggaacgagg gatgctcaaa cttgaggatg ccatgaaagc cctacagcta 300

<210> 11303
<211> 447
<212> DNA
<213> Canis familiaris

<400> 11303
ggagaaacgc tctcatatcc aacgttttct ggaaagcata tcttctcagg acaaagtcat 60

agtgtttgtc agccgaaaag ccattgctga ccatttatca agtgacctga ttctgcaaca 120

tgtatcagta gaatctcttc atggcaatcg agagcagtgt gaccgagaga gagcattaga 180

aaactttaaa acaggtaaag taagaatatt gattgccacc gatttggcat caagaggtct 240

cgacgtcaac gatatcacac atgtctataa ttacgatttc ccccggaaca tcgaagaata 300

tgtacacaga gtggggcgta ctggaagagc agggaggaca gggatatcta ttacgctcat 360

caccagaaat gactggagag ttgctggcga gttaatcaat attctggaaa gagcacatca 420

gagcgtccca gaggaacttg tggcaat 447

<210> 11304
<211> 170
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (39)..(39)
<223> n is a, c, g, or t

<400> 11304
tcttggtcct cctcagcttg ctgtccctac cctcagcanc tgcacaagca gccctggcgt 60

gccctggcca aggcccacat ggacagcaaa ccagctctgg caagaaagat atctcaccaa 120

agatgaaaca ttttctccac aacttcagag ggaccctggc aaaagttatc 170

<210> 11305
<211> 294
<212> DNA
<213> Canis familiaris

<400> 11305
taggcttcca cctattatct cagaagatgg gaattattcc gtgcaccaga atagccatac 60

aaagtaccat gaagctgtaa agaaggtgct gttaaagacg tttcccaatc aggtcttcag 120

agtcccctta acggatgctc agaacttcag cttctggcgg tcccatggtc caggagtgcg 180

tccagaggaa accatgccat ggatccgaag cccccgccac tgtctcatta aaagcccaat 240

gaccaggttt atggatcact ctgttcttag tgacaggcac ttcagtctgt actg 294

<210> 11306
<211> 520
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<400> 11306
gtatctgttg ggatatcaaa attcctttcg gaacaagaaa agggncncaa ctgaagaagc 60

aaaccagaag ganccagtgt ccactaggct tccacctatt atctcagaag atgggaatta 120

ttccgtgcac cagaatagcc atacaaagta ccatgaagct gtaaagaagg tgctgttaaa 180

gacgtttccc aatcaggtct tcagagtccc cttaacggat gctcagaact tcagcttctg 240

gcggtcccat ggtccaggag tgcgtccaga ggaaaccatg ccatggatcc gaagcccccg 300

ccactgtctc attaaaagcc caatgaccag gtttatggat cactctgttc ttagtgacag 360

gcacttcagt ctgtactgag caggatgtgt ttgcagaagg gccaagatgg actgtggaag 420

cagggcaaag aaggagaaag tgggagaagg tgtcctggtt ccactgaagg actaatggga 480

ggaggggatc ccaaaagcag agtaaacaga ttggactaga 520

<210> 11307
<211> 567
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (376)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (480)..(480)
<223> n is a, c, g, or t

<400> 11307
aaacagtcct cccaatttgc agaagttggt tcacatttca gtagaagaat tcaaagacag 60

tcaaggtcca gttctcacag atccaaatct tggtgtgttg ggtttacaaa gagatcgtta 120

agcagagaat caagtaatcc ctctctgaga ggaagccaca gaagtgaacg cttcatccaa 180

aatatatgct gtaaccactc aaaagagaag gatgtgcata gttatgaatc aaactgtggg 240

agagcatctt tgaccacagt ccagtatgtg aaacggcctt caactgctgg gaagagaccc 300

aagtgttctt ctaaaagtga gagtacttcc caacctggaa gccactgtaa tagcctcaca 360

cgcctacaga ttgagngaca tagatcccca agtaaacaag agatgaggca aaaaactaca 420

tttcctagag ctggcaaaac cagagcagtt aggcgccgaa aaaacaaatg ccaatgtctn 480

agtacaaaaa ctgcaaagga agtcagtgat gaagtcaggg atccgaatga tgtaaggcag 540

aagagtagtc tttctgagtg tgcacct 567

<210> 11308
<211> 456
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 11308
ggcacatgtc tgatactcag cttcatgttc ttaaaaatag gatgtttgga tgtgattcta 60

taaagcaaca aagaaataca gaggagccca gcantctacc tgtctcagag aaggattcta 120

attctcagat ggatttaagc attcaggtaa ctgatgatat taatgaaata attcaaatag 180

atggaaccgg tgatgcatct tccaatgatg aaataggaag tacaagagat gtagatgaga 240

acgaatttct agggattatt gatgcaggag acctaaaggt acttgaagaa gaagctgaca 300

gtatatcaaa tgaagattca actgccaaca gtagtgataa tgaagatcct caaatagaca 360

ttgtagaaga ggacccttta aattctggag atgatgttag tgagcaggat gtgccagacc 420

tgtttgacac agataatgta atcgtctgcc agtatg 456

<210> 11309
<211> 255
<212> DNA
<213> Canis familiaris

<400> 11309
tttgatctga tcgttacctg tgaagagaga gtgtacgatc aagtggtgga agatctgact 60

ttgagagagc aggagacctg ccagccggtg catgtgatca acgttgacat ccaagacaac 120

cttgaagagg ccactctggg agcgttcctc atctgcgagc tatgccagtg catccagcac 180

accgacgaca tggagaacga tatcgatgaa ctgctacagg agttcgagga aaagagcggc 240

agagcctttc tgcac 255

<210> 11310
<211> 146
<212> DNA
<213> Canis familiaris

<400> 11310
tctactgatg agcccggact ggcgtggggc gccccgccca cactcaggaa gccggctttt 60

ccttctcata ctcccaactt gcttgtgttc gttttccttt taattgtctg ctagtgacta 120

ctagcaccca ataaattaga tgtatg 146

<210> 11311
<211> 426
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<400> 11311
aggcctgact caaggactcc tgaaagtcct gcncaagcag ngtagccnca agcagtatgt 60

ggaattagca gatcttgagc agaaatggaa aaatttgtgc ctgccaatag agancttcag 120

ggctctgttg cagttggatc cttgcgaaga caagatcgag tggataaaat ttttagcgct 180

tggatgtagc atgcttggtg ggtcactgaa cagttcgatg aagcacctgt gcgagatcct 240

caccaccgac cccgagggcg ggcctgcgcg catcccgttt gagactttct cctatgttta 300

ccgttacttg tccagaatgg actcggacat acatgaagtg gacacggagt cctaccttgc 360

gactttaaag gacactctag aatctagaaa gaatggcatg ataggacttt cagatttctt 420

cgttct 426

<210> 11312
<211> 117
<212> DNA
<213> Canis familiaris

<400> 11312
ggaaacctcg agaagaaaat tcagaagaca gaggccatta atacagagga gaatactttt 60

taatgtcaaa tagtgctttt taaaagcttg acaccaaata cagcttgtct ttaacca 117

<210> 11313
<211> 79
<212> DNA
<213> Canis familiaris

<400> 11313
caacgtgtcc attggttttg ccagtcaaac acagcaagtt gcaaaaggct tcttgtggaa 60

tagttccaat tgcctctcc 79

<210> 11314
<211> 244

<212> DNA
<213> Canis familiaris

<400> 11314
ctcccaggtg tgagagctgg cagtagagca ccctggcagc tggtgtccca tcctgttgac 60

cactcctccc caccttcag ctcattctct tcagattgtg gatgtgagac aagtcttgtt 120

gagctgtgta gtgctcttct ttgccgtttg cattttacag cattcatttg ggagccatag 180

tgcatccact acagagaaga tttcagtaat aaacagcgaa gagggaggtg ttcccgatta 240

ccag 244

<210> 11315
<211> 301
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (183)..(183)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<400> 11315

tgcctgacaa tctctgttcg tttgaatgaa cgtgaaataa ttgtttacaa ganctgtaca 60

tacaactgca cgtttgtata cccatctgaa gtncctcctg aagccccaag agcaaagtnt 120

ttcaaaacta atagttncta ttttgttcgt tgttgtaatn ctattaattg caatgaaggt 180

ggnccttaa gtctggataa tgatatagtc cttcagaagc caattgaaga gcctttatcg 240

ggaattgtgc nctgggggga gtacaggttt tatctgactg ttgcttccat cctagtcagc 300

a 301

<210> 11316
<211> 389
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (208)..(208)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (262)..(262)
<223> n is a, c, g, or t

<400> 11316
caaaacgaat ccgtgtccgc ttggacctat agtttgaaat gccacgattg ctgggatatc 60

aacaatttca actgtcctca aattaggacg tgtccctatc acatccggcg ctgtttgacc 120

atctctatcc gtttgaatgt tcgggaactc ttcgtttaca agaactgtac atacaactgc 180

acgtttgtat accgatctga agaacctnct gaagccatta gaattatgaa aactaatagt 240

ttctattttg ttcgttgttg tnaatgctat gacttgcaat gaggggggac ctaccaattt 300

ggagagggat atcatcccgg attacccaat tgaggaagag ttagaaggag ccgtgcgctt 360

gggggagtcc acatttttcc tgagcgttg 389

<210> 11317
<211> 424
<212> DNA
<213> Canis familiaris

<400> 11317
catgaaaggt gttgcccagg gcctacatac attgcacaag gctgacataa ttcatggatc 60

acttcatcag aacaatgtat ttgctttaaa tcgtgaacaa ggaattgttg gagattttga 120

cttcaccaaa tctgtgagtc agcgaacttc agtgaacatg atggttggtg acttgagttt 180

gatatcacct gaactgaaaa tgggaaagcc tgcttctcca agttctgact tgtatgctta 240

tggttgcctt ttattatggc tttctgttca aaatcagaaa tttgagacaa atgaagatgg 300

aattccaaaa gtggatcagt ttcgtttggg tgataatgtc aaatccctcc tctatagctt 360

gatatattgt agaagttcaa tgactgctga gcaagttttg aatgcagaat gtttcttggt 420

gcca 424

<210> 11318
<211> 477
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<400> 11318
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cgggcggcga cctcacccgc tacctgctgc ggctgctcaa cgagtcgggc cacgcgttca 120

ccgacgacca cctgcacatc gtggagcaca tcaagaagca gtgctgctcc gcggcgccgg 180

cgcccggccg cgagctcggc ctgcgcgtgg actacgagct gcccgacggc cggcgcctgg 240

ccgtgggccc cgagcgcttc cagtgcgcgg agatgctctt ccggcccagc gtggcgggca 300

gcagccagcc cgggctgccc gcgctcgccg ccgcctgcct gcagcgctgc cgggacgcgg 360

gcctcggggc ggagatggcc gccaacgtgc tgctgtgcgg cggctgcacc atgctgggcg 420

gcttccccgc gcgcttccag agcgagctgg gcctgctccg gaagacgtcg gtgtgga 477

<210> 11319
<211> 218
<212> DNA
<213> Canis familiaris

<400> 11319
agcatcaccg gacggctgga ctacgcgggc tctgacctga cagcctactt gatgggcctg 60

atgaataact tggggaaaca cttcaccgag gaccagctaa gcattgtgga ggacatcaag 120

aagaaatgct gctttgtggc cctggacccc atcgaagaga agaaagtccc agccactgtg 180

cacacgatcc agtacactct gcctgacggg aaggagat 218

<210> 11320
<211> 459

<212> DNA
<213> Canis familiaris

<400> 11320
aatttgtgtc acgttctgag atggaagcag atattaaagc tggaaaatat ttggaacatg 60

gggaatatga aggaaatctc tatggaacca aaattgattc tattcttgaa gttgtccaaa 120

ctggacgaac ttgcattttg gatgtcaacc cacaagccct gaaagtgctg aggacatccg 180

aattcatgcc ctatgttgta tttattgctg ctccagaact agagacatta cgtgccatgc 240

acaaggcagt ggtggatgct ggtatcacga ctaagctttt gacggactct gacttgaaga 300

aaacagtgga cgaaagtgca cggattcaaa gagcgtacaa ccactatttt gatttgatca 360

tcgtaaacga caatctagac aaagcctttg agaaactaca aactgccata gagaagctga 420

gaatggagcc acagtgggtc ccaatcagct gggtttact 459

<210> 11321
<211> 277
<212> DNA
<213> Canis familiaris

<400> 11321
gatccctgtc tcattcttgt tcattgatag tattactttc aaaaaaatga attaatcaag 60

gcctcttgaa gatgttgaag aattttcaaa cctaaggagt gaattgccaa aaataaagtt 120

ggaagagata cctttcaata ctgggcccat ccagcattgt agtatgtagg ccactcgctg 180

atctatcagt gtatacagtt ggtcctagtg aagcaaacag gaaccaatac aacatgtcag 240

tggatcctcc ttgacttcta tcccaggcaa atgtgtg 277

<210> 11322
<211> 354
<212> DNA
<213> Canis familiaris

<400> 11322
aaaacagaag aacctccagt gcacgctaat gaaactgcag aaatgaagaa ttcccagggg 60

gatggtgaac attttgcaca cccaccctca gaagttaaag tgcattttgc taatcagtca 120

gtacaacctt tggcaagaaa gccggaaatg ctgtctgaaa cttcctcctt cccacaaaaa 180

ggcctgaaga tccctggcct ggaacatgca agcattgaag gaccaatagc aaatttatca 240

acacttggaa cagaagagct ccgacaacga gagcgctatc tcaagcagaa gagagataag 300

ttgatgtcca tgagaaagga tatgaagact aagcagatac aaaactcgga gcag 354

<210> 11323
<211> 79
<212> DNA
<213> Canis familiaris

<400> 11323
ggagacaatt aatgacgtcc ctgaacttga agtatggagt aaaatcttgc ccttatcaag 60

ctccagtttt tcaggaaga 79

<210> 11324
<211> 100
<212> DNA
<213> Canis familiaris

<400> 11324
ggctaaaact agactgatcg aagctgctaa cttaaagctt gggtgtgagg gtggaacatg 60

acatggagaa gaattaccac agatccccac tggacatcaa 100

<210> 11325
<211> 529
<212> DNA
<213> Canis familiaris

<400> 11325
gacagctggc attaaaaccc caacatacac cttactgcaa cccgaaccat tacattccat 60

atgagcaatt taaatgtgtc ataggtgacc agtatactat gtgtcaaaac tctgttagcc 120

ttagtaagcc tagtatttta gaaagtaaac gagatttggg agcttttgat ttagaacatt 180

ttttaagtaa gccagaagaa cagtcgtcct tgaacacaga aaacgaggaa acaagaccta 240

ttctgggttg gattcctaga gctggagtgg ccaagcctca gactgacctg ctggggctta 300

agaactcttt ttcaaaaact ggtgcacaaa aacgtttcca taaatcaatt cttgaagacc 360

ataaagacct cagggataaa gtgcattcag ggatgaaaca ccaattctat ggccataatt 420

cctattattt ctataattga tattcatcct ttccttcaaa acccagcctc ttgtaagaaa 480

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<210> 11326
<211> 400
<212> DNA
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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (207)..(207)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<400> 11326
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gttctcgtgg ggctgccagc tggggctttg actgccgcca ncccatctan cccagcgtct 120

tcaccnaggg ttggctactt ctccgactgg atccatgaga tccagatgct cacacctncc 180

ccctgatccc acatctgctc ctcaganccc gtttccgggc cagcatctgt cgacnggcca 240

gctcctctgg gcaccctgca gcccttgtgc ctccccagac ctggctcctg ctgctgtgtg 300

cattcagaga cccccagtag gccctgcaag tgacccctcc cccctagccc cagccagctg 360

tctgcctcgg gccccagtct ggtcaccaga accttccaca 400

<210> 11327
<211> 328
<212> DNA
<213> Canis familiaris

<400> 11327
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tttgagaagt ggtcgatcca agcaatttta taaccagact tacggaggca ggaagtacaa 120

aagtgattgg ggctcttctg gtagaggagg gtatcagcat gcgagaggtg aggagtcctg 180

gaaagggcag cctggcagaa gccgagatga aggttaccag taccatcgaa atgtccgagg 240

acgaccctat cgcggggata ggaggagatc ggggatggga gatggccatc gggggcaaaa 300

cacttgacgc ttgttgctgt gctatttt 328

<210> 11328
<211> 53
<212> DNA
<213> Canis familiaris

<400> 11328
ttgctgtgct attttagagc agaaacctct cctgaggtgg aatgtttctg aag 53

<210> 11329
<211> 395
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

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<222> (313)..(313)

<223> n is a, c, g, or t

<400> 11329
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gttcancctc cttcctgggt tttacaccta caagttctac tgtctgaaga ctgatggact 120

cagccttctc agagtcacca caacttccag tgnccctga cgtctccacc agactaatgt 180

aatctggtta ataaagcagt gagtagcagg aaggtgtggg acaaagnaag ccagaaagca 240

ttgggaattg taattttaaa aacgattcta atgtcactca ctccgatgac attacaggag 300

gaangggagg gtnaacgatt ttacttccat gacccgagtg agaagtgacc aggtcaagaa 360

tagtgccacc ggtccatgag tagcacgggc ccaaa 395

<210> 11330
<211> 536
<212> DNA
<213> Canis familiaris

<400> 11330
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aggtgccatg gccagaccct gcctgagtct gctgctcctg gtagccactg tgacccttgt 120

gtccagaggt atccatgcct ggggcaggtc aaaggtggtg aggacgttcc aagacattcc 180

tgaaacttat gtctatgtgc agcaggcgct atggtatgcc atgaaagagt ataacaaggc 240

cagcaaagac aagtacatct tcaaggtcat aaaggtcttg aaatcccagg agcaggtcac 300

agagagttta gactactttc ttgaggtcaa aattgcccga acaatgtgca agaaaatttc 360

aggagaaaat gaatattgcc tattacaaaa ggatccccaa atccaaaaga tgttttttg 420

caccttatt gttgcaacca aaccttggaa atttgagttc actatgctga agaaacactg 480

tgaagaggtc taattatctt ctagcatatt caactgctct cacttccatt taaaga 536

<210> 11331
<211> 415
<212> DNA
<213> Canis familiaris

<220>
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<222> (65)..(65)
<223> n is a, c, g, or t

<220>
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<222> (68)..(68)

<223> n is a, c, g, or t

<400> 11331
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tcgcnaanca aattggctac ttgtcccttc aatgctcgcc accaggttcc tcgggccgaa 120

atcagtcatc atatctcaag ctgtgatgat aaaagttgta ttgagcagga tgttgtcaac 180

caaaccagga accttggaca agagactctg gccgagagca catggcagtg ccctccttgc 240

gatgaagact gggataaaga tctgtgggaa cagaccagca ccccatttgt ctggggcaca 300

gccaactact gtggcaacaa cagccctgca agcaacgtag tcatggaaca taagagtaac 360

ctggcttcag gcatgcgtgt tcccaagtct ctgccgtatg tcctgccatg gaaaa 415

<210> 11332
<211> 142
<212> DNA
<213> Canis familiaris

<400> 11332
aacaatggaa atgcacagta acggaatatc tatctcatca aatgccagac cctggaagat 60

tcttgcttct tcctgctacc agtgggttct tcggggtgtt tttcctccta acctaattat 120

agaaagataa actgtctgtg ac 142

<210> 11333
<211> 407
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
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<222> (151)..(151)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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tctagtgttg gctactgatg ggttgtggga gnccatgcat aggcaggatg tggttaggat 120

tgtgggtgag tacctgancc ggcatgcatc nccaacagcc aatagctgtt ggtggctaca 180

aggtgactct aggacagatg catggccttt taacggaaag gagagccaag atgtcctcag 240

tattcgagga ccagaatgca gcaacccatc tcattcgtca cgcagtgggc aacaacgagt 300

tcgggactgt tgatcacgag cgcctctcca aaatgcttag tcttcctgag gagcttgccc 360

ggatgtacag agacgacatt nccatcatcg tggttcagtt caattct 407

<210> 11334
<211> 105
<212> DNA
<213> Canis familiaris

<400> 11334
tagcgagtgg atattattac cctggcattt ctcaaaatga aatagatttc aagggcagac 60

agatttgtaa aagatactaa tataataaac atttccagtg ggtca 105

<210> 11335
<211> 443
<212> DNA
<213> Canis familiaris

<220>
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<222> (52)..(52)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (177)..(177)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<400> 11335
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aaggcgttta tctgaacatg ctgagcagac tcagaggcca gaggatgctc ncaaagctga 120

ncagctgcag gatgcagagg aggaaaaaga ggattcaaat gaagaagaaa ncaaggncag 180

ccttgtagat gatgatgaag agaaagaaga tcttggtgat gaggaggaag cagaggagga 240

tgaagaagan ggncagctct gctcctcctg tgggtgaggg gagaaatgac acccagggcc 300

aagggcccct gagagaagtc cagcaggtgg gcgaacttga gcctgaagaa caggtgcctg 360

tgtggcccag ctcagtccac gcggaagtag ccgaagatac attgaggcag cgcaaaaatc 420

agcatgctga taagggacca tag 443

<210> 11336
<211> 116
<212> DNA
<213> Canis familiaris

<400> 11336
gggaccatag gtctaatgac agtatttcag agaattcaga ccaaaggaat aggtcagcct 60

ccctctggtc tgcagtgtaa atcaaatcct tatttttttcc tgaatgagca agcttc 116

<210> 11337
<211> 445

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<400> 11337
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tgagctcttc gaccccagca gctgccctgg ggaatggcta agtgagccag actggaccct 120

gnagggtgtc agggggcctc gggctcaggg gctccagccc accacgttca cccacacggt 180

ccaccccggg ctaccagctt tctgcagcat gtcggtggac accactgatg gtgaccccag 240

ccctgcccat cactgggggc tgcgctagct gggctggcat ccccacctca gaagccattt 300

cctgaaccca caaattattc ttagagaaag atagttatcc agaaattccc cattaccctc 360

acccacggtg catgccagca cacacacccc aaacacagga gggccttagg gtctggcccg 420

tggcccctag gctgaaggga cacag 445

<210> 11338
<211> 536
<212> DNA
<213> Canis familiaris

<400> 11338
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tattggtggt ttttttatat aaatgttccc aaagcaaagt tgaagagaca gaaaaagttc 120

cttgtataga tggtaatgga ggtgaaaaat gtgtagctgc tgctaatgtg gagacaaaca 180

atacaggaga ccaagaaaag actctcgtaa cacaaatcat agacttgaat gcacccacaa 240

ggcctggcat tcttgtccag agacggagta aagacgtgga ggacacacct ttagaaaaca 300

aagaggagat ggaggacaag gaagacaaaa tgaaagagaa gcaagagcct aagaatgtta 360

aagggaatgg cgaagaggat gacgatatcc aaaaaccacc catacctctc actaaaactc 420

attcagttgt tgaaaaccag aaaagacctt taaaaggagt gacattttct agggaagtaa 480

ttgttgtgga ccttggaaag gaataccccc cggcacctcg aagctatact cgagaa 536

<210> 11339
<211> 539
<212> DNA
<213> Canis familiaris

<400> 11339
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ggaattggct acaagcaact cttctgggag agactagtcc acctcagcaa acaaatttgg 120

gtctactaga taatcttggt ccaactgtgc aagttatcct ggggatttcc tttttgcttt 180

tgttgggaat aggagtgtat gccatgtgga aacgaagtgt tcagtcaatt cagaaaatat 240

tgttgtttat aatcacactc tacaaacttt acaagaaggg ctcagatttt tttcaggctt 300

tgctggtcag cccagatggg aatcttctcc caattcaaga caataatctc ttcctgtcct 360

tgggtctgca agagagaatt ttgaaaaaac ttcagacggt ggaaaacaaa gtgaaggacc 420

tggaggggat gatcatttcc cacaaacctg ccacaaagag ggagtgctcc tctgagccct 480

actgcagctg ctctgactgc cagagtccct tacccacatc agggtttact tccacatct 539

<210> 11340
<211> 268
<212> DNA
<213> Canis familiaris

<400> 11340
agggaagccc tcatctctaa cttttgcacg tgtcagtgtt ggaaacacac ccatcacagc 60

tggctccaag ctaccaccag tttacctggt tcacaaaaat gcccaaaaac ttaacaatct 120

ggtcatgaca tgagctgccc cagcccactg ctgcctgcag ggaaccctaa ccagcagggt 180

ttgatatgat aaactcgctc tgcgactaga gatgtggagc aggcagggac ggattcaggt 240

tttgcaggac cggaagctca tacaattt 268

<210> 11341
<211> 388
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<400> 11341
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agtatgagac aggcagatct caagaactgg tctttggatc aggttcaatt tgctgatctc 120

tgttcttctc ttaatcaatt ctttacacaa actggcctta tccactcaca aagtaatgtt 180

cagcaaaatg tttgtcacgg tgcaatgcat ccaacaaaac cttcccaaca cattggaaca 240

ggaaatttgt acatagactc caggcaaaat ctccctcctt cagtgatgcc gccccctggc 300

taccctcaca tcccacaggc actcagcact ccaggaacga caattgcagg ccatcacgga 360

gccatgaacc agcagcacat gatgcctt 388

<210> 11342
<211> 406
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (354)..(354)
<223> n is a, c, g, or t

<400> 11342
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accggccttc acncgacctt caagacaaga ttccgtgatc tccgggatgc tcaggaacgt 120

gttttgaaga tctggggctt cccccaaagc agtcactgag cctcggcctc ccctgctcaa 180

ccacctaccc actccgcctt cacgattgca ngcgagagga cacagctctc taacgcccgc 240

tcagacaggt cggcaggact cacgcgggga caatccaggc aagagcaatc agctttggag 300

attccaaata ggacgtgtgt agatcagaga gcatttcgtg tttggataac aggnttaaat 360

ccttacggga tggttgaaaa tcctttgtca aaggtgaacc gatcat 406

<210> 11343
<211> 372
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<400> 11343
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aagtggagtt tgagatggcc tgtgctgcta tcaagcagtt gaagggacct gtgagtgatc 120

aggagaagct actggtgtac agcttctaca aacaggccac ccaaggcgac tgcaacatcc 180

ctgccccacc tgctacagat gtgaaagcca aggccaagtg ggaggcatgg aaccagaata 240

aagggatgtc caagatggat gccnatgagg atctatgttg ccaaggtgga agaactgaag 300

aaaaaagata ctggttaagg aggacagaat atcaaacaca atgaagtagc atggctcctc 360

tggtagcgaa aa 372

<210> 11344
<211> 232
<212> DNA
<213> Canis familiaris

<400> 11344
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tcaggagaag ctactggtgt acagcttcta caaacaggcc acccaaggcg actgcaacat 120

ccctgcccca cctgctacag atgtgaaagc caaggccaag tgggaggcat ggaaccagaa 180

taaagggatg tccaagatgg atgccatgag gatctatgtt gccaaggtgg aa 232

<210> 11345
<211> 395
<212> DNA
<213> Canis familiaris

<400> 11345
actttctcct gcaggttggt gcacagtgcg tgtttttagt ccttctcatg taccaacacc 60

tgcccctggt gagccaagcc gtcatgcgct gcagcaccga gagctgccct ggaccctatt 120

tctgcctgat ccggggtact atggagaagc gaatgtccat ctacaccctc attaccttgt 180

ccttcatgat catcctcttc tgcttaggtt tcttcatgta cagcatccac cattacctgt 240

taaaagggct tgccagtgct aagttttggc ttgactaact tttggaagtt ttcactgaga 300

gtctccttcc ttacactagg aagcttgtgt tcctttaaat attgtgtctg gggcagggct 360

tcctcctgct aactttcttt gctttagacc ttcat 395

<210> 11346
<211> 391
<212> DNA
<213> Canis familiaris

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<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<220>
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<222> (110)..(114)
<223> n is a, c, g, or t

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agggtgactg gaaggtnccc aagatagagg agaaggaagc cctggtgccn nnnnccgaaa 120

gccatcgaca gcttccaccc agaaccccat ccccgagtgg ccttctggat aatgaagctg 180

ccacggcgga ggtcccacca ggacattcag gagggtggcc gctggctcag cgagaagcga 240

caccgcctgc aggccatccg ggatgggctc cgggagggga gtcacgagga cagccttgaa 300

gaggggaccc aggggtcctc ccactccaag ctgccagccc gcaagaccca cttcctgtac 360

atcctcaggc cctctcagca gctatagggt g 391

<210> 11347
<211> 164
<212> DNA
<213> Canis familiaris

<400> 11347
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tgatggagtg ccacagggaa aaggtccagg ctgtggagaa ggccagggct gaagaaagac 120

agatggccca agaagcaatc caggcccaga aaagactagc cacg 164

<210> 11348
<211> 413
<212> DNA
<213> Canis familiaris

<400> 11348
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gtatgaccca gataataaaa gaaaaagaac atgaaatgaa catttactat tgcatgactc 120

agagacagaa gcaagaagaa gttcaggaag tacttcaaga agcagagaag acacatcagg 180

ccacgcttgg aaatgtgatg gataaactgg ttaacactca gggggagctg ctgtccatag 240

caaaacaact aggcattatg acaaactgga aagatttcct ggaggaggaa ttacaggaaa 300

caagggcagc atttcaaaaa tacatcaatt atacgtttcc taagctttcg ccaggacacg 360

cagattttat actgccagaa agaaagaaaa caccttccag tcttattatt cag 413

<210> 11349
<211> 588
<212> DNA
<213> Canis familiaris

<220>
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<223> n is a, c, g, or t

<220>
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<223> n is a, c, g, or t

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<222> (451)..(451)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (458)..(458)
<223> n is a, c, g, or t

<400> 11349
gggtaccact gtagccggca tgaaccaaac acatgnctnc catngccatg gtcaccntgg 60

ctnccagggn tanccangnc accngagnca tccaagccat ccgagccacc agagccannn 120

nnnnnncnnn agnnnnncna nncancngag cnanccaagc catccgagcc accnnagcca 180

ccngagccac agtctgccca accgcagcca ccagatctgt caacccttg aagccaccta 240

accatgggtg gagacacccc ttcccccanc aaggctggca cacaattgca ggcctgttct 300

ctctcctgtg gggcagcctg tgtggcccag agtgagatgc tgctgcccaa atccctcctt 360

catacccccct caggggtcct gggcccctcc cagtctgtga gtagggtatg ccacagagga 420

cggctcctga tggagggcga gtggaaggaa ncgaagcngc caagacagac tcacgggccc 480

ctgaaggccc acagagaaga taggcgaggc agatcccagg agtagctgag agccccagac 540

tgacgcctaa tgcctggaac tgagccaata aagccttgta ttccctca 588

<210> 11350
<211> 564
<212> DNA
<213> Canis familiaris

<400> 11350

acaacagatg gtcttctcct tccaggaaat ccagcaattg gaattttgaa atataaagaa 60

aagtattaca ctttccatac caaagatgct gcatacttat ttgcagaaaa tcctgaacat 120

tatattgatc taattaaaga aaaagcaaaa aaaaatgcag aattaattca gttactggaa 180

cttcatcaac agttcgaaac cctcattcca tattctcaag taagcagaat gaaggatgtt 240

gacaaacatt atataaaacc aattacaaag tgtgaaagta gcactcagac ggatacacac 300

atattgccac caaccattgt gagatcgtat gagtggaatg aatgggaatt aagaagaaaa 360

gctataaaat tggccaattt gcgtcagaaa gttactcact cagtacaaac cgatctcagt 420

cacatgagaa gagagaatta ttcacaggtg tacccaccca aggatgctag cacgcagtct 480

atgagagaag gcagcacccg agtgcccagg ccccagattt acctagctgg tctccgtggg 540

ggacagagta aaatcacttc tggg 564

<210> 11351
<211> 352
<212> DNA
<213> Canis familiaris

<400> 11351
cttcatcaac agttcgaaac cctcattcca tattctcaag taagcagaat gaaggatgtt 60

gacaaacatt atataaaacc aattacaaag tgtgaaagta gcactcagac ggatacacac 120

atattgccac caaccattgt gagatcgtat gagtggaatg aatgggaatt aagaagaaaa 180

gctataaaat tggccaattt gcgtcagaaa gttactcact cagtacaaac cgatctcagt 240

cacatgagaa gagagaatta ttcacaggtg tacccaccca aggatgctag cacgcagtct 300

atgagagaag gcagcacccg agtgcccagg ccccagattt acctagctgg tc 352

<210> 11352
<211> 540
<212> DNA
<213> Canis familiaris

<400> 11352
caagagctct tgcagaatcc atccccttta ccttctaggt caggtcacaa aagttgtgct 60

ccaaggaagc tcaagcgtcc tgagcagcct gaaagactga agtgtacaca caagtttaga 120

tgccagattg ctgattttga aaagcttcct gagggatacc agaaacacct ctcagaacag 180

aagtgttcaa aactcccaac ctcccataaa ccacccaatc ttcacgcagc ctccactgca 240

tccactaaaa gagagaaaat tttggcagac attgcagcag atgaggaaca ttcaaaagaa 300

acacggtctt ttctgtctcc aagaaacaag tcaccaggaa gaagtgcaag tgcaaagcct 360

gtgccttgta actgcccccc tccaatgccc acagtgtctt ccagagggag agaacaagcc 420

acaagaaaga gtgaaaagga aaggatgaga gaataccaac aagaactaga agaaagagaa 480

gaaaaattaa aaaacaggcc gctactgttt gaaagagttg ctcaggttgt gtttgttgga 540

<210> 11353
<211> 429
<212> DNA
<213> Canis familiaris

<400> 11353
ctgccatgtg ttcatatatc tcctgtaaat cgtttcaaat atgtttggaa acttctaagg 60

ccagaccaac aacccattat ccttgcaaat gattcagcaa tcctggaagt acgcagggaa 120

gttcacccct tgatttttga gtgtgccacc ttggataata atgaaataat agcaacagtt 180

aaattcacag tctatacaac aagtgaattg caaatgaaaa gatcagctcg accagacact 240

gatgcagtcc tagtttttgt gctgaccata ggagttgtta tctgtatatt cgtgatcttt 300

atactgatct tcttaattat aaactggggg gcagtcaagt ctttctgggg ggagaaagcc 360

tcaacaactg agatacagtc tgaactgagt tcaatgagat acaaagattc aacttctctt 420

gaccagtca 429

<210> 11354
<211> 423
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<400> 11354
agaatgtcct tgtagctgta gagtatgaac caagaaagtg atccagcatc ttgagaagct 60

gagtcaaaaa gccaagccan ccatctaagc tgtgattttc aaggtatgga ctctagccaa 120

ctggtaggct acatgcaact tcctgatgtt ccacaaactg attcccaaat gagggtgata 180

caggagtgga ttcaagtttc agatgactat tctggctttg attcacagag ggcgctggta 240

tgagtattga gaaggctgtt ttcatgccac cctaagtaag gcgatttacg tatttgagag 300

agaaggagag agagagatag aggaggaaga ggctgagaga gtcccaagct gactccacac 360

tgagcgcaga gctggataaa gggctcatcg atgaccatga ccccaagatc acgatgccag 420

cag 423

<210> 11355
<211> 211
<212> DNA
<213> Canis familiaris

<400> 11355
tacagtttgc acaaggtgat cgaaaaacac caggccaaat gaaatcaaaa gaacgtcacc 60

cttgttctcc aagtgatcat aggagatcaa gaagccccag ccaaaggaga actcgaagta 120

gaagttcttc gtggggaaga aataggagac ggtctgatag ccttaaagag tctcgacaca 180

ggcgattttc ttatagccag tctaaatctc g 211

<210> 11356
<211> 170
<212> DNA
<213> Canis familiaris

<400> 11356
acggctaatg gacgatttga agtaggcaag aagatctgtt tgagcatctc aggacatcat 60

cctgaaactt ggcagccttc atggagtata agaacagcgt tactagccat cattgggttt 120

atgccaacaa aaggagaggg agccataggt tctctagatt acacaccaga 170

<210> 11357
<211> 463
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<400> 11357
atcctggcat ggtgagcgcc tacatgtacc cggcaggggc agccgncgcc caggcagccc 60

cccagggccc cagcgggccc accgccagcc ccgcctactc gtcctaccag cccactccca 120

cgcagggcta tcagaacgtg gcctcccagg caccgcagag tcttccggcc atctcccagc 180

ccccgcagtc cagcgccatg ggttacatgg ggagccagtc ggtgtccatg ggctaccagc 240

cttatggcat gcagagtctc atgaccaccc ttcccagcca ggatgcccct ctgccgcccc 300

cacagcagcc ctacatcgca gggcagcagc ccatgtacca gcagatggca ccctccgggg 360

gacccccccа acagccaccc cctgtggccc agccgccgcc tgcgcagggc cctcctgcac 420

agggcagcga ggcccagctc atctcgtttg actgatcctc ggc 463

<210> 11358
<211> 163
<212> DNA
<213> Canis familiaris

<400> 11358
tggctgagca caagctccca cagctggcca acaaccccat cctgacctgg gacagaaggg 60

acagaatcaa gccatccctc aagacctcat ttgtccaagg cccacatgtt agggcttgtc 120

ccgtcttagg ccagagccgg tgctcaaggt cacctgttga aac 163

<210> 11359
<211> 329
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(279)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (281)..(283)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(289)
<223> n is a, c, g, or t

<400> 11359
gaagccatca gttttctggc aacagacaat catcccaaaa tgttaaagta tagatgctca 60

ggttgcatag cagtaggaaa atctctgaat agccgaaatt ttagcaagct cttgcactct 120

tgcccatacc agtgtgatcg tcataaagtc attgtggaag ctgaagacag atataaaaat 180

gaactaagga aatcacttat ctgtaacaaa aaaattctgc tgaccccacg tagaagacaa 240

ctcagtagtg aatctgctac ttctgaaaga ataanaanna nnnaannnng tggatcttgc 300

tcataaatac cacaagctga ccaaacacc 329

<210> 11360

<211> 342
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<400> 11360
gatttttcac acattgcaac tgttagcatt cactgttctt gccattttaa ttatgaggct 60

gaagttgttt ttaacacccc acatgtgtgt tatggcttcc ttgatatgtt ctcgacggct 120

ctttggctgg ctttttgca gagtntgctt tgagaatgtt atctttggca ttctagcagt 180

aatgtcaata caaggttgta caaacctcca taatcaatgg agcataatag gagaatttaa 240

taatttgcct caggaagaac tgatacaatg gatcaaatac aataccagac cagatgctgt 300

ttttgcaggt gccatgccta cgatggccag tgtcaagctg tc 342

<210> 11361
<211> 409
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (250)..(250)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (312)..(312)
<223> n is a, c, g, or t

<400> 11361
agacagtgat cttcccagtg gccaggtagg ctcctcaatc tgagcaaatc tgagctcnca 60

tctctcaaga ancagcccgg aacggtgcag gtccttggat gttctancaa acgcaggaac 120

gtgggatctt ggtgttggca gctagggtgc ccgtgactat tagcacacat aattacctac 180

cagctggccg aggtgtcctg gtgggaggca gcctggatac cagctgggac agagcaaccg 240

agtcaaggan ttctcaggtc tgacgctagt gcagccattg atttatcttc acaatgacct 300

tggccaaatg cnagccagag cacttctttt gtctttattc agctacagta aagcctcacc 360

atggtgatca ggtttattca aaaggaacac catttgatgc ggctgcagc 409

<210> 11362
<211> 569
<212> DNA
<213> Canis familiaris

<400> 11362
gaaaaaatcc attatcccag cacctcaaac tatctctgtc cctatcgatg acttatgcca 60

attccttatc ttagctacta acggactctg ggaagttttg gatacaaagg aagtcactgc 120

actggcaatg acaatgtttc aagtatataa agacacctac tattgtatca cacaaaatca 180

atctttacca tccaaagagc ctttcctaat caatgaacta agcaatacta aatcagaaag 240

taatatccat atattgtttc agtataaatc tgaatctaca gaatgtgtgc caactataaa 300

tacaaaagaa aatttgtttg attcaaaata ttctaaccct aaaaatgcag aaacatttcc 360

atcagaaatg actaatcatc atctatacag tgagaaagaa agaaatggac caaccagtgt 420

agatgtgtca aaaaattcaa gtgaaaaaga atcatgcatt aaaaatttct atgaaggtgc 480

agccaagtat attagccatg aacttgtaag tgcggcttta gtggctggat ccagagacaa 540

cattacagtc atggtaatac ttctcaagg 569

<210> 11363
<211> 447
<212> DNA
<213> Canis familiaris

<400> 11363
ttaatattcc aaatgccact gctatttata ccaaaataaa tggacgcctc tgtgttgcat 60

tggattttcc acatgatttt attgatggca ataagatgtg ggtaaaagaa ggaactgttt 120

gtggtcttaa taaggtttgc aagaaccaag aatgtgtaga tgctgggtac ttggattatg 180

attgtactcc aagaaaatgc aatgaacggg gtatatgcaa taataaaaag aactgtcatt 240

gtaatccttc atacttgcct cctaattgcc aaaatattga tgatgcatgg attggtggga 300

gtgttgacag tggcaatttt ccacctcaac ttgcccaact cagttctgaa agacgctaca 360

ttgagaatgt ttaccatggc aaatctacaa aatggccatt tttcttacta attccttttc 420

tcattattct ctctgtactg atcatca 447

<210> 11364
<211> 237
<212> DNA
<213> Canis familiaris

<400> 11364
ttcaggaaga ctccttctct tgcgattatc cattattaac ctttcctcat agccggcacc 60

ccccaggtcc ctgcacattc tcttctgttc cagacacaga accaaataca ctggtttctt 120

ccctcttcct agagggtcag acaggatcgg cagggtcatg cttactctct cccagtttta 180

tacaaactgc ctttggctct cattttcaac ttgacctgtt cattttgacc catgcaa 237

<210> 11365
<211> 445
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(231)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 11365
gaaatttgca gtgtgtgaca ttcctctcna cgacatctgt gactacaatg tcaccaggga 60

ccgctgcaag gagcttgggt gctgctttta cnaaaggcgt gtgctatgag aaagcagtcc 120

ccatttatgt gcaggtgttc tctgccctga tcgtgatcat cgccggggcc ttcatcatca 180

caatcattta cagggtcttt caagagcata agagagaaaa ggaggtcccc ncgggtgtcc 240

ctctgtcatc caagcccagc gagagaggca gggcagcccc atccagtgag aagctggcgt 300

ccaagacaga ggggttgggg ccgtcgtcca agactacggg cagcagngtg gaggacgcga 360

ttgtgacaat aatgggggag aaagaagaga gtgaggactg agggcacgac gaagccaagg 420

tgaagatcgg cagagacgtc cacct 445

<210> 11366
<211> 497
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<400> 11366
aggaacctgg tcactcacat gtgctgggtc cctcaagaac catatatact acagacttct 60

gaagataaaa ccatcagatt atgggacagc cgggggctgc aggtagctca tgtatttccc 120

gcaaagcagc atattcagac ctattgcgag gtcagtgagg atggacacaa gtgtatctcc 180

tgcagcaacg gctttggagg ggaaggctgt gaagccacgt tgtgggacct acggcagacg 240

cggaacagaa tatgtgaata taagggccat ttccagactg tcgcatcctg tgtctttcta 300

ccaagagcac tggccttgat gcctgtaatt gctacctcgt cacatgactg caaagtgaag 360

atttggaacc aagatactgg agcctgcctg ttcaccctgt ccctggatgg atcaggacct 420

ctgacctccc tggctgntgg cgacaccgtc tccttgctgt gtgcaagttt cagcagagga 480

attcacctac tccgagt 497

<210> 11367
<211> 66
<212> DNA
<213> Canis familiaris

<400> 11367
ttcgaggaat tctgtgccgt tgtaggcggc ctagacatcc acaaaaagat ggtggtagat 60

gtgtga 66

<210> 11368
<211> 398
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<400> 11368
aaaagtcttc cctctaggag gcgtgcgaaa attatttacc atgaacgggc atcttttgga 60

caactccaag gatctgcaag acaaccactt ttatgttgct gcaggactgg agaccttcaa 120

atatttccct tactggaaat cctcaaaggt gcccagtgag gtccaacaac ggtgccggga 180

gggaggtctc ctntgggcgc ccgaacgagg ccggcgcttg cccaggggaa aagaacctca 240

taaatacaac atttcccgta aggaacagga ttctgtgttt tatgccaaag aggggaagaa 300

gaaaatgctg gtagactctt taatcccaaa cggcgcagaa ggcgacgtgt acaaagcgca 360

gactcctagc acggaaaccc agggagcgcc ggaagtca 398

<210> 11369
<211> 291
<212> DNA
<213> Canis familiaris

<400> 11369
ggaggacacc cagctatgga tccagcaggt gtccagcacc ccccaccagg atggatgtgg 60

tgcacctgca ggagcagctg gacctgaagc tgcagcagcg gcaggccagg gagaccggca 120

tctgccccgc agggagctct actcacagtg tttcgatgag ctgatccggg agccatcaac 180

tgtgccgaga ggggactgct gttgctgccg ggacgagatc cgcatgacca ttgctgccta 240

ccagaccttg tatgagagca gcgtggcatt tggcatgagg aaggcgctgc a 291

<210> 11370
<211> 258
<212> DNA
<213> Canis familiaris

<400> 11370
gaaggagtcc ttgacattaa caacgaggca aatggtgtta aaattggcct tcagcacgct 60

gctgctacta atgccataca tgtaggccat cacggaggac agcagggcgg gggaggctgc 120

tgttgagtcc acccttttta ctgtctcgct gcccaaattc ggcttctcac ttcctctcac 180

tctcccttgc tcagctgaga cctgaaacta ttcgaaatgg ctttatgtca caaggcttta 240

atccttcgaa ttgttgta 258

<210> 11371
<211> 375

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (46)..(46)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<400> 11371
gtatagaaca atttatccca gaggatccag gaacacaagc tccggntact acccaccagc 60

caccagagcc agcatttagg agctggatgc agaataggac aagactggag gatntacttc 120

ccacacctcc accattctca gattcatcct actctgaaca gagaagagac tgaagccctt 180

ctgatgactc cttggaatcc cagacctact aggaaccaag gcagcaagta ggaggtaatt 240

gtcttctgtt gcctccggtt cctattctct tctgttagaa cagagcattg ctgtcctcca 300

tatgaacttc ccttctgagc ctgcttctta aatcctataa tagaattcac ccctcctaca 360

ctaatggttc tgttt 375

<210> 11372
<211> 153
<212> DNA
<213> Canis familiaris

<400> 11372
gaactcaggg cggaaataga actgagaagg caccccatgg cttgttcctg tgttggtttc 60

acccaagtaa gaagggccat cacgcgtgga aggctagaag gaagtccacc tttgtgcagg 120

aacatgttac tacagtgatt tctatgcaac att 153

<210> 11373
<211> 506
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)

<223> n is a, c, g, or t

<400> 11373
agaaaacccc tacaggtgaa gactggtaga aggagacatt ttctgaagcg cccgtggagg 60

aggagcnctg gttagtgtcn caaggacgag ctcagtcttt gccaaagatg aagtagtctt 120

tgcttctgct tcgcttcccg caaaactctt cataacatgg gctgcatgaa atcaaagcaa 180

actttcccat ttcccaccac atttgagagc gagaagcaac atgcaagtga agaaagcttc 240

atgtccgaag agagattcct acccaggatg ccttccccag ataccgtcag aaaggaagcg 300

aaggaaccac cagcgcctaa aattgtgatt ttcgaatttg cacaccgcct atcccaggag 360

atcttgagtg acgccttgaa gcagtgggca ggcgagaaca tcaagtacta tgacatccca 420

tacattgaga gtgaagggcc atgacatcgt aggaggagga gaactttctt gaattgtggg 480

taaagctggt gctagtttaa atacgt 506

<210> 11374
<211> 369
<212> DNA
<213> Canis familiaris

<400> 11374
aacaaggtca ttcttggcac cggtcaagcc agttactttc gtgagtccaa gttccagaag 60

caaatacatt cctctgtata ctggttacgt gcagtccaca agtgccgatg acgtcgacaa 120

ccccctttgga gacatcacgt ccattgccaa gcctcggagc tctaaaattc tctatacaaa 180

cacaagtcgc tctgccgaca ttccggggta caccagcaag cggcgctccg tagccagccg 240

ccctgcacat cctgaaatcc tgccgacaac cccgtcgacg gactccgaag cccaccgcat 300

cttacggaaa gaaatggaag ttgacctctt cggtcaccag gcaccgctgt ctcgaatggt 360

cacaactgt 369

<210> 11375
<211> 497
<212> DNA
<213> Canis familiaris

<400> 11375
ctccagtagc aaaaacgccc agtgtgatag aagccttgaa ccagcagagc aagcctgccc 60

agcctgggat ctcactgagc aaagccccac ccccgcccct gccgccccag ccgcccagcc 120

gcctccccca gaagaggcct gctcccgggt gtcacctaac taattcacca ggttcaagtg 180

tcttaaaaat aacttcacaa gaatatttaa actatctctc tggaacggaa gttctgggtc 240

ctctgtccaa cactggagtc ctgcagcccc cagcccccat gcccaggaag tcacagacaa 300

ccaagttaaa gcccaagcgg gtcaaagctc tctataactg tgtggctgac aacccagacg 360

agctgacatt ctctgagggg gatgtgatta tcgtggatgg agaggaggac caagagtggt 420

ggattggcca catcgatgga gatcccagtc gcaaaggagc atttcccgta tcatttgtgc 480

actttattgc tgactga 497

<210> 11376
<211> 439
<212> DNA
<213> Canis familiaris

<400> 11376
ggaactgaag ttcctggact catcaggatg ttcaacaaca aaggcaaaga agtgaagaag 60

gtggaattca agcacggtgg acactatgtc actgccccca aagaaggttc ttttgagctt 120

tgtggagacc gagtcctgaa actgggaacc aatatgtaca gcattaaccg gcccgtggaa 180

acgcatatgt ctggagcatc aaaaaacttg gcttcacgta cacaggaaag cattgttcca 240

aaccctcttg ctaaagaaga gctgaatctc ttggccaggc tgatgggagg gatggagatt 300

aagaaagcca gtggccccga gccaggattc cggttgaatc tcttcaccac cgatgaagag 360

gaggaacaag cggcgctcac caggccagag gagctatcgt acgaggtgat caacatacag 420

gctactcagg accagcaaa 439

<210> 11377
<211> 116
<212> DNA
<213> Canis familiaris

<400> 11377
tgtgagtctg cccatcattt tccatgtgcc atttcttatc ccttgtgggc aatggcagag 60

aatgtggtca ggctaaagtt cagtccattt atatggcatg tacaaatttt caataa 116

<210> 11378
<211> 418
<212> DNA
<213> Canis familiaris

<400> 11378
tacactacgt gccagccacc aaggtgttcc tgagcttccg ccggcccttc tggcacgacg 60

agcacatcga gggcggccac tcgagcaccg cccgcccgtc gcgcgtgata ttctacccgc 120

cgccgggcga gggcgcgctt ctgctagcct cgtacacgtg gtccgacggg gcggccacat 180

tcgccggcct gagcgcggaa gacgcgatgc gcgtggcgct cgacgacgtg gcggcgctgc 240

acgggccgat cgtgtaccgg ctctgggacg gcagcggcat cgtcaaacgc tggggcgagg 300

acccgcacag ccaggggggc ttcgtggtac agccgccatt gctgtggcac gaagacaggg 360

aagacgggaa ggactacaac tgggcggtcc cttacggccg catctacttc gcgggtga 418

<210> 11379
<211> 552
<212> DNA
<213> Canis familiaris

<400> 11379
tcagaaaaga ctctccggac gcttctgagg ccaagtgata aagtttctaa ttactataag 60

acaacttctt ctgagatcag tgcggttgta ggagctattc cttctacttg ttatcccatc 120

tatggtgttc caaccattcg gtctgatatt cctgcccccc gaattcgtcg catcagtgat 180

agaactaatt atggtgaaga gggcaatgcc tattcactac tacatcctac tgtctttggc 240

cagaaaggag tgtttgaaag agacttcttc aagaccagat caaaaaaaga gattgcagag 300

atattatgta acattggtgt taagctttct gatgaagaat ttgaaaatgt atggaatctt 360

gcatcaaaaa aacaccacag aggagaagtt tgtgttgaaa ccatcagaaa tgttctggat 420

gagctacaac atgcagacag aatcaagtgt aaaacaagca tgtgatattt tggagttcat 480

tcatttaaac aaaagaatta ctaaatatgt gttcatgaaa aatgtttagt ccattctggt 540

tttagatctt at 552

<210> 11380
<211> 188
<212> DNA
<213> Canis familiaris

<400> 11380
aacagccgag aggagcacac gtggagcgac agcaacagcg aagaggggct tgtccatctg 60

gtgcccaacc atccccgtct ggtgccccac catccccgct gcgagttcca gaagggtggt 120

gccacccaca gcccgggcga acataggatt actgttcggc acagcaccca caagagagcc 180

gagcatta 188

<210> 11381
<211> 344
<212> DNA
<213> Canis familiaris

<400> 11381

gtcggcgaca atgtttttgc agctgtgctg tcaagcccca tctcttccgt tctggccatt 60

tctggcttcc ctttgaggag tgatgtgttt gagcttctcg ctttaacgtt gtcatgtgta 120

ggtcactgaa cggagcacct gccacttccg ggaaatgctg acctggtgac aattagaaac 180

ttaaataaag agcccaagtg caaaagaggt gtgatccgat ccgatgtgga tggggaaaga 240

aatccctgga atatgactct tgatcgttta atcatcttct aaaggaccgt ttacatcaca 300

atatggaagt gaaacagcag aaggctcact tcagtttcat taca 344

<210> 11382
<211> 344
<212> DNA
<213> Canis familiaris

<400> 11382
gtcggcgaca atgtttttgc agctgtgctg tcaagcccca tctcttccgt tctggccatt 60

tctggcttcc ctttgaggag tgatgtgttt gagcttctcg ctttaacgtt gtcatgtgta 120

ggtcactgaa cggagcacct gccacttccg ggaaatgctg acctggtgac aattagaaac 180

ttaaataaag agcccaagtg caaaagaggt gtgatccgat ccgatgtgga tggggaaaga 240

aatccctgga atatgactct tgatcgttta atcatcttct aaaggaccgt ttacatcaca 300

atatggaagt gaaacagcag aaggctcact tcagtttcat taca 344

<210> 11383
<211> 163
<212> DNA
<213> Canis familiaris

<400> 11383
tgaggcctcc aaggagcact ggtcacggaa actcggccaa agaaaacttc ctgccttcca 60

cttgtctcct ggtcttcagc caccagtgtg tgcctgctga ggagcagaat taccaccttc 120

ctaaacgcgg ggaagtaata aaggcatgaa aaggctaggg cca 163

<210> 11384
<211> 416
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (102)..(102)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<400> 11384
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gagatcctgg ggcatttggg ggagacaggg aaaatcncnt gncaacaacc tcccncagta 120

ctttgccatc gttgagaaga agnccaacga tctgctgctg ttggagtcct acaagcggat 180

cttggagctg gaaggggcag agacagacat gccgcccttc gtcaaccctt tctggggtag 240

ctccgccctc ctcaagcctg cagaacaggt caaggtcatc cccccagtgc tcggggctga 300

ccccttcagc gacaagttgg atgaagatca gcctctggac cacagcagcc ttcagcagct 360

ggtgctcagc aaccagttac gaagcaggga attacactca gacagcatac cagaaa 416

<210> 11385
<211> 70
<212> DNA
<213> Canis familiaris

<400> 11385
aagaagttaa cggtctgagg cggatggagc tacatttgta ctttaaccag aataaatgtt 60

ttgttctgta 70

<210> 11386
<211> 418
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (196)..(196)
<223> n is a, c, g, or t

<400> 11386
ggccgatgga taagtgctat cccgtgnccc ctcagagacg cagagtcaag agcaggaaga 60

agccagtctc tgaggctgtg ccccccaagg cgaagggagg actgaatggt gctgcccctg 120

agggggagac tgacatcttg tctcagcgtg agggggaagc agccggccct gggcccgctg 180

ggaaggaggt ggctgnggag gaagaggtgg caggggtccc aggctgggag gaaaacaccc 240

aggtccgcaa ggagattgca gtatacgcct ctgaggcctc tgagatggag agtaaggagg 300

gaaggcctgg gggctgggtc ccccagctcc tgaggaagct ctggttggac tggttcccag 360

cccctgacat cccgaagact cagaaccacg aatgaccaag cacccaataa atgcacag 418

<210> 11387
<211> 354
<212> DNA
<213> Canis familiaris

<400> 11387
tgcgggaggc catggcccta actatcgccc agaccaacaa tgagctcgaa gcccagaggg 60

tggccacaga attcaccttc aggaagcggc tgcgggagat ggagagagtg tacggcgagc 120

tcaggtggca ggagaagaac accttggagg agatctccga gctgcaggag gacatccggc 180

acctggagga cgatctgcgc agaaagttcc agaacctgaa gctatgccac acccggctag 240

agtcccggac tcgccggccc aacgtggaac tgtgccagga ccaggctcag cacggcctca 300

ctgacgaggt tcaccagtta gaggcaacca tcgctgcgct caagcacaag ctgg 354

<210> 11388
<211> 446
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<400> 11388
gagcctgaga aggagctatc ccggaagcca gaggaggtcc tgagagagtn caagctgcca 60

gacnggganc gtcatctgtg tcggggagca gctgtnccag gcgcctgagg ccctgttcgc 120

acccgaccag ttgggcatcc agaacccagg cctctcgaaa atggtctcct gcagcatcag 180

caagtgtgat gcagacatcc agaagaccct ttttggggag attgtgctgt ccgggggcac 240

cactctgttc cagggcctcg atgaccgtct cctgaaggag ctggagcagc tggcttccaa 300

ggggaccccc atcaagatca ctgctccccc cgacaggtgg ttctccactt ggattggggc 360

ttccattgtc acctctctga gcagcttcaa gcagatgtgg gtcacctccg cagatttcaa 420

ggagtttggg acatccgtgg ttcaga 446

<210> 11389
<211> 84
<212> DNA
<213> Canis familiaris

<400> 11389
ggtgcttctg aagggctctg ggcaaggggt aggagtgggc agtgagcttg ccccttggca 60

tcagcaggat gttcaataaa agac 84

<210> 11390
<211> 577
<212> DNA
<213> Canis familiaris

<400> 11390
gtgatccgtt ttaaaccatc tctctttcag cacatgggtt attactcatc atataaaggg 60

actgagaata agctgaagga tgatgatttt gaagaagagt catttgacat ccctgataac 120

cctcctgcaa atctatatac caacatgaat gtttttgaaa attatgaagc aagcaaggcg 180

tatagtagtg ttgatgagta cttttggggg aaaccacctt caacaggaga tgtctttgtg 240

attatatttg aaaatccaat tttaattaaa aaaattaaag tgagtactgg aacagaagat 300

cgacaaaatg acattttaca tcatggagcc ctagatgttg gggataatgt tgtagatctc 360

aaacaaagta gacaatgtgt tacttactta agactagggg aattcaaaaa tggaaatttt 420

gaaatgtcag aggtgaatca aaaaattcca tttgatatac attgtataag gatatatgtt 480

accaaaacac aaaaggaatg gctgattatt aggagtatta gcatttggac ttcttagcca 540

attaaatcaa tatgtccagt tactgaagca ggctttc 577

<210> 11391
<211> 575
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (490)..(490)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (507)..(507)
<223> n is a, c, g, or t

<400> 11391
ggagttcgcg tcacagtcct cgttgacgtg gggagaaggc acatcatctg gatgaatcac 60

tatttcgtgt cttttgcgat cgtcacaacg gctaccctag cgtacttcat cttctaccac 120

atctggagac tctgggtagc ccggattcag agccggaggc ggcagcggct aaccacccac 180

ctcaagcagg ccttcgggca gctgcagctc cgggtcctca aggaggggga cgccgagctg 240

ggcgccagcg gggacagctg cgtggtttgc ttcgagctct acaagcctga cgacacggtt 300

cgtattctca cgtgtaagca ccttttccac aaggactgca tcgacccctg gatcctggcc 360

cacgggacgt gtcctatgtg caaatgtgac atcctcaagg ctctgggcgt tcaggtggac 420

gtggaagacg gagcggagtc gttgcaggtt ctcatgtcga gcgagctgtc tgccgccctg 480

tcccctggcn cggaggggac cgccgcngac ctccctgccc cgggcgggtc ggacaaaggg 540

gcccctcccc agaacgacag ccagcctcgt tcggg 575

<210> 11392
<211> 407
<212> DNA
<213> Canis familiaris

<400> 11392

ttcgtgtctt ttgcgatcgt cacaacggct accctagcgt acttcatctt ctaccacatc 60

tggagactct gggtagcccg gattcagagc cggaggcggc agcggctaac cacccacctc 120

aagcaggcct tcgggcagct gcagctccgg gtcctcaagg aggggacgc cgagctgggc 180

gccagcgggg acagctgcgt ggtttgcttc gagctctaca agcctgacga cacggttcgt 240

attctcacgt gtaagcacct tttccacaag gactgcatcg acccctggat cctggcccac 300

gggacgtgtc ctatgtgcaa atgtgacatc ctcaaggctc tgggcgttca ggtggacgtg 360

gaagacggag cggagtcgtt gcaggttctc atgtcgagcg agctgtc 407

<210> 11393
<211> 183
<212> DNA
<213> Canis familiaris

<400> 11393
tcatctataa ctacccaggt acgggcaaca aagtgtttcc catgtctcac cagggaacgg 60

aaaatatagt cgcagtgatg ataggcaact tgaaaggcat ggaacttctg cacttgattc 120

agaaaggagt ctatgtgacc atcatcattg aagtggggcg aatgcacatg ccgtggctga 180

gcc 183

<210> 11394
<211> 579
<212> DNA
<213> Canis familiaris

<400> 11394
gaacgcggag gctgtacttt cacacacaaa atcaacgtgg cagcagagaa aggagcaaat 60

ggggtgatca tctataacta cccaggtacg ggcaacaaag tgtttcccat gtctcaccag 120

ggaacggaaa atatagtcgc agtgatgata ggcaacttga aaggcatgga acttctgcac 180

ttgattcaga aaggagtcta tgtgaccatc atcattgaag tggggcgaat gcacatgccg 240

tggctgagcc attatgtcat gtccctgttc accttcctgg ctgccaccgt ggcctacctt 300

ttcttgtact gtgcctggag accccgggtg cccaattctt ccaccaggag gcgaagacag 360

atgaaagcag atgtgaagaa agctattggt cagcttcaac tgcgagtgct caaggaaggc 420

gataaggaac tagatccaaa tgaggacagt tgtgttgttt gctttgacat atacaaaccc 480

caagacgtag tacgtatttt aacgtgcaga catgtgttcc ataaggcatg cattgacccc 540

tggctcttag cccataggac atgccccatg tgcaagtgt 579

<210> 11395
<211> 328
<212> DNA
<213> Canis familiaris

<400> 11395
gagaaaaagc agcaccttgt ccatacaagt ccatggaagt ttgctcctta acacgctatt 60

aaagcaaaac gcacgtcttt aacagcttcc acctatggaa tatctgcgtg cagtcgtcca 120

accgggtgat tataaagagg aacaccaagg cttcatattc acaattacat tcagaaaaag 180

ccttacacga gtctatgaat acctgccagg gactgtgcct gtggttcaag tgtcagcctc 240

agactgcagg tcagctatga agaaacaccc cttctacaca gaacattcct ccacaactcc 300

aaaagttgac actgtccggt tcatgtaa 328

<210> 11396
<211> 363
<212> DNA
<213> Canis familiaris

<400> 11396
gaagctcaag tgcttactcc agcggctgca ctctgcagaa gcccattacg aagatgaccc 60

caaaattgct ttcctgatgc agctacaaga cattcagtac ctggtagaga acatctgggc 120

ttcccagtca gtgctcagcg ccgggaatga tctcaatgat ctggtcctgg tcaggtggga 180

tcggtctttg gaatggtccc cctggaactg cattcttctt accaaagacg aaggtgttgc 240

tcatctcaag ctaacaagta ttgaggaggg atatgaaccc ttgtttattc acaagatcaa 300

acacaaacat atcctggcta agaactactt ttctcacatt ccagtgctgg cttcatttat 360

act 363

<210> 11397
<211> 457
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (107)..(107)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<400> 11397
gtggcattat cctgcagtcg tgatataanc ggtcaggccc tatgctagag gtcggggatn 60

cagccagcct gcaatacttg ggatgaggca cccgaggggt agagaanccg aagaaatgta 120

tctggggtcg cacacaaaaa ttcgagccta gttctctgtg attccagaac taccttgacc 180

accacgtcat gttaatctaa aagnccagag agaagagaat aatacagaga ggaaaaagaa 240

aggaattttg tgagccagtt gtaaagaatg cacaggttaa gagaatgcat gaggagaata 300

tctgtgcaaa tatgctacca agccagtgag taagatagag ttcctgtttt gagggatgga 360

aggcagtaaa tcaagcaacc cccaggccac ccaaaccctt ctaccaccta taccagccct 420

gtgcaaaacg aaaacttgtt gccccttgtt caaagat 457

<210> 11398
<211> 446
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<400> 11398
ctccatcttc gctactatag gctaaatcgg actgacttcc cctatgaacg tcggcctcag 60

tcacaagccc atattcctga agatgagggg gacttttatt atgcaggggc cttattcggg 120

gggtcagtgc cagaggttta caagctcacc aaggcctgcc acgaagcaat gatggtcgac 180

caagccaacc acatcgaggc catttggcat gatgagagcc acctgaataa gtacctgctt 240

taccacaaac cctccaaggt cctctcccct gagtacatgt gtaataacac actgaagaaa 300

atctgggatc atcagggagt agacttttct tctaacataa agcggattag acttgtgact 360

acngaataat caccagaaca tagggactta tcaaaggaag cttctagaaa gaatagagac 420

gtgatggtga ggcagcccta gtcttc 446

<210> 11399

<211> 597
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (540)..(540)
<223> n is a, c, g, or t

<400> 11399
tttctactta tctatgtaca caagaagtga attttcaagc agatattttt ggaaattgtg 60

gaaacacagg ttgcagtttt gggagtatcc tttgtggaaa gttagtttgt cactggacgc 120

attcagaaat agtaccaaaa tcatcagttc atgatgttca atatacttac cttggaggcc 180

atatttgttt gtcagcccat gtaagaaatg acacaacatc ttcagctatg gatcttaccc 240

aaatgagcaa tggcactatg tgtggataca ataagtattg ttttgatgga ctctgcgaag 300

acatcaataa ctacccaaat agaccaaatt gtgagtcaga aaaaaattgc agtggacatg 360

ggatttgcaa tgataggctt aattgtcact gtgatgttgg atattctcct ccaatttgtc 420

tcccatcacc atcatcacca ggaggaagtt ataatgatgg attttggcat ccacaaaaga 480

aaagcaacac cttattcaga aagcgacatg ctgctcctaa aaaaaatggc ctcttgatcn 540

gtttctacat ttttatacct gtccttattt taattgccat tgttgccctt aaatgga 597

<210> 11400
<211> 150
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 11400
aaatcagttt taaggcagaa gtcaattcat ctggaaagac tattgctgag ccagacttaa 60

accactcttt ttcactaact gatttacagg atgntatacc tacaacattc cagggtgcta 120

cggccagtac ctcgtatgga gcccagaacc 150

<210> 11401
<211> 532
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (45)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (415)..(415)
<223> n is a, c, g, or t

<400> 11401
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cagaagccnc cntgcngccc acagaagccn ccatgcagcc cacagaagcc gccangcagc 120

ccacagaagc caccatgcag cccacagaag ccgccatgca gcccacagaa gcccccatgc 180

tgcattcagc ccaagtgctg ctgtctggag ccaaaacctg aatgcacttg ccttaataag 240

gattctgagc ccacatcacc caaaactcag agcaagaact ctcaaaccca acagcaaccc 300

caaagtccaa aaggaggacc caacctaggt aatttggggc agaagaagcc aaataagtag 360

aggggtatac ccatcactta gtggggccag gctagaccta catttagaaa agctntttct 420

cactgaccat cacttagtac aagcagaagc ctctatttcc cttcacaaca tccccttag 480

gaagcccccc aactggaaat ggagccaaag agaccggagt catctttcct gg 532

<210> 11402
<211> 44
<212> DNA
<213> Canis familiaris

<400> 11402
cgatagtacc aataaggcct aacatctctt gagtctctgg gccc 44

<210> 11403
<211> 271
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(210)
<223> n is a, c, g, or t

<400> 11403
cgagtgatct actgcggcct ctgaagctat ggccttcggt acattctact gaaaaaaagt 60

ctggaacagc aatttccaaa ctgtctactc tttgaggagg agagagctgc ccaggctaca 120

ggggagtttg aagtgtttgt ggatggaaaa ctggtccatt caaagaagaa aggtgatggt 180

tttgtggatg nagnccaggc tgcagaagnn tatgaatgtt atcgaggagg aggtcaggaa 240

aaggagcctc agcaggatgc cgagaagggc t 271

<210> 11404
<211> 481
<212> DNA
<213> Canis familiaris

<400> 11404
ctgccagaga gtttatgcgt gcgatttgca atggaagatt tgcctatcaa ccagttgtat 60

ggaagtgact cattagaaga agccgaaaag gaaatacagt atttctttcc ttctcaagat 120

actttagcac tgattaagcc tcacgtaaca catgaacaaa gagaggagat cttgaaactt 180

attagagaga ctggatttga aataacacag atgaaggaag tagtcctaaa tgaagaagca 240

gcagaaaaaa tttattcaaa gataaaagga agagactttt atcaggatgt attgcaaatg 300

ttgtctgagg gtccatcttt ggtcatggtt ctgactaagt ggaatgctgt ttcggactgg 360

agacgattga tgggtcccat agacccagat gaggcaaaac tactgtcccc agactctatc 420

cgagcccatt ttggaagaag tactttgaaa aatgctgtcc acggatcatc tactatctat 480

g 481

<210> 11405
<211> 295
<212> DNA
<213> Canis familiaris

<400> 11405
gctctgcagg gcagcattcc tggcagccat cctgctgctg ctgcgggtca aggtggtgaa 60

gcctcagaaa ggcagcctgg actccaacga gaagagtcag actgaggaga taccctctac 120

agaccaggac gaagatcacc ttgaagagca ctttgtggcc tcctcagtgg gtgagatgtg 180

gcaggttgtg gacatggccc agcaagagga tgacaagacg tcagacacag cagctcttcg 240

tgaccaccta tttgaccttg tcttctgctt caatctggcc agcatcatgg ttttt 295

<210> 11406
<211> 353
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<400> 11406

tgccatccaa tctgaccctt ttcatctata ancagtgcat gaaggaatag atgttacctc 60

tcctcagttc actagcattt ggcccaagtt gggggaaatg tgcagtattg tagaagtanc 120

cactgtcaca tcatttcatt cgatgtactc cctgtccttc taaaagagac cacaaatagc 180

gtgccatcct aaactttagt ttgggacaat aaggcaccaa tcgggtgcca tagagccagg 240

gatgttgtag atattcagga attntatttc cacttcctag gaaggctatc caagttattc 300

tgtgcacgta gcccatgtgt tagataatga gaatcatttt catcctaaac gat 353

<210> 11407
<211> 496
<212> DNA
<213> Canis familiaris

<400> 11407
aagaaatcca gctacggccc aaggtgaacg tgtcttctta catccacttt ttgctgaatt 60

acaggaacaa gttcaaggag cagcagccaa acacctacct gggctttaaa gagttctcta 120

gaaagtgctc agaaaaatgg aggtccatct cgaagcatga aaaggccaaa tacgaagccc 180

tggccaagct cgacaaagcc cgataccagg aagaaatgat gaattacgtg ggcaagaaga 240

agaagcggag aaagcgggac ccccaggcgc ccaggcggcc cccctcgtcc ttcctgatct 300

tctgtcaaga ccactatgcc cagctaaaga gggagaaccc cacctggtca gtcgtgcagg 360

tggcgaaggc ctcggggagg atgtggtccg tgacgtcagg tgccgagaag cagccgtacg 420

agcaaagagc agctgtcctg agggccaggt accaggagga gctggaggtc taccgtcagc 480

agcgtaacac caggaa 496

<210> 11408
<211> 309
<212> DNA
<213> Canis familiaris

<400> 11408
atggtccctc ctttggcccc aggatgactt gctgcggggc atggacagct tcttctcagc 60

ccccatggac ttccgaggcc tccccagaaa ctaccaccaa gaagagaacc aggagcaccg 120

gctggggaac aacactctct ctagccacct acagatcgac aaggtgacag acaacaaaac 180

aggagaggtg ctgatctcca agcaggtggt ggcatccatt gagccgggag aggggagttt 240

ggagggtgac tggaaggtac ccaagataga ggagaaggaa gccctggtgc ctgtcccgaa 300

agccatcga 309

<210> 11409
<211> 304
<212> DNA
<213> Canis familiaris

<400> 11409
ggcagtaccg actagcatat atcagactag cacggggcaa tacattgcta tagcccaagg 60

tggaacaatc cagatttcta acccaggatc tgatggtgtt cagggactac aggcattaac 120

aatgacaaat tcaggagctc ctccaccagg tgctacaatt gtacagtatg cagcacaatc 180

agctgatggc acacagcagt tctttgtccc aggcagccag gttgttgttc aagatgagga 240

aactgaactt gccccaagtc acatggctgc cgccactggt gacatgccaa cttaccagat 300

ccga 304

<210> 11410
<211> 519
<212> DNA
<213> Canis familiaris

<400> 11410
caaatactta gcttcacatt ctggctttga atgtcttcgg aacatccttc ctgaaatacc 60

agtttataaa caaagacaga ggagagtatg tggtaatggg aaattggaag aaggtgaaca 120

atgtgattgt ggcactatag agacttgtac gcataaagcc tgctgtgacc ctaggtcgtg 180

tgtaataaaa actggtaaac aatgtggttc tggggaatgc tgcacgccag attgcaagct 240

aagaccaggt ggtataccat gcaggaaatc tttggatgaa tgtgatttca ctgaatactg 300

caatggggtt tcctcacact gtgtgcctga cacttatgca cgcaacggac aaagttgtga 360

atccggtgat gccttttgtt atgagggaca atgtcggaca gctagcaaac agtgtaaaca 420

attgattggt ggagcttcta gaggtggttc atttgcttgt tatgatgaaa taaattcaag 480

agcagataga tatggaaact gtggccgaga cttttgtag 519

<210> 11411
<211> 531
<212> DNA
<213> Canis familiaris

<400> 11411
ggctacagtg ttatctttta catcttgatg gatgacttct ccaaactacc tcccataaag 60

ttaggccccc tgcgaacact taaactatgt attatattca aacaacatac gtggaaggac 120

ttaaattaca tatacatgag gaacttcaat gtatacatcc tagaacacat ccagtatgaa 180

gttgactttc tcttcagtat gtctgtaaac cagatcttca agaatgactt tggggtggaa 240

aacctgggca agtctgtagc ccaactccac gcatggtggt attttggaca tgccaaaaat 300

ttcccttatg agagaagatc taaatcagca gctttcatcc ctcctggaga gggagatttc 360

tattaccata gtgcaatttt tggtggcaca cccggtgagg ttttagcctt cactgaagaa 420

tatataaaag gaattcaaaa cgacaccaga agaggacttc agagcacata tgaatgttac 480

ctaaacaaat atttgtttat caataaaccc actaagttgt tatcaccaga a 531

<210> 11412
<211> 546
<212> DNA
<213> Canis familiaris

<400> 11412
gtagcaaatg ctaacgagcc tggtatattt aaacagttaa tggcagctgc tgaagagcgc 60

ccatggcttt ggctcattta ttttgtgaca gcagggcttc caatagcatt aattgcttca 120

ttttgttggc caagaaaagt caagaaaaaa tatgaagatt cagagtataa aaagactgac 180

atatgcaagc cacaaacaaa gggagcacta gagcaagaag tgaaggaaaa gaaagctgcc 240

ctggagaaac cagtagactt ggaagaagaa aaaaagcaaa gtgatggtga aactgttgaa 300

aaagaagagg aagctgaacc tgaggaaaag agtgaagaag aaattgaaat catagaagga 360

caagaagaag gtaataaatc aaataagtct ggatcagagg atgagatgaa ggaagcggat 420

gagagcacag gatctggaga tgggccagtg aagtcagtgc gcaaaagaag agtacgaaag 480

gaataaacta tattcaagta tttttaattc ctgagcgaga tatttggcat tctaaaatca 540

gtgtgc 546

<210> 11413
<211> 576
<212> DNA
<213> Canis familiaris

<400> 11413
gatgacttat ccaggatgcc ttggatacag ctgagtcgcc tccgtacgat caaagtattt 60

gaaataaagc gagagaagag atggcaagac atcagcatga tgcgcatgaa gactattagt 120

gaacatgttg tgaatcatat ccagtatgaa gttgactttc tcttctgcat ggacgtggat 180

caaatcttca tagggaaata tgggttggag actctggggg agtctgtggc tcagttacat 240

gcctattggt acaaggaaga tcctaaagag gtgccatatg aaaggaatga gtcatcagaa 300

gcatatatac ctattggtat gggagatttt tattaccatg ctgctgtgtt tggtggcact 360

cccatccaag tacttgatat tgccagggag tgcttaaaag gaatcatgaa tgacaagaaa 420

aacagcattg aagcagtgtg gcatgatgaa agccacttaa acaagtattt ctttctccat 480

aaacctacta aactcttatc accagaatat tgctgggatt atggtagaat gaatggtctt 540

tattatccaa atatcaaact ctattgggcc gtcaag 576

<210> 11414
<211> 326
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<400> 11414
cctgctctga gcatccgggc cggatccatc cagcgccatg gccagatacc gatgctgccg 60

cagccaaagc cggagcagat gccgccgccg gagacgcaga tgccgcagac gaaggaggcg 120

atgttgtcgg aggcggagaa ggagagtgtn ctgccgccgc tacaccgtgg tgcgctgtag 180

gagaagatga atgaacgccc agactcgcca gcccaccgca ctccgctgcg caaccaccag 240

ccaagacccc cctgccgcct cctgaacatg ccacccgctc gatgaagtga acaggagcct 300

gctaacgaac aatgccgcct gtcaat 326

<210> 11415
<211> 175
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (124)..(124)
<223> n is a, c, g, or t

<400> 11415
ggaaagttat gagcctgcgg tagctgaaat gtccgggcgc agagcgggct cccggggagg 60

agggctggcg ggagcgtcga gtcggagccc gggggagctt tgataagcaa atgcagccca 120

gcgntcgggc gctctctatt ggctgttcct tcaccgccag attttgacac aaata 175

<210> 11416
<211> 403
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<400> 11416
atcaacgaga ttgtctactt cctccccttc tgccactcgg agctcatcca acttgtcaac 60

aaggagctga acttctgggc caagagagcc aagcaaaggc acaacatcac gctgctctgg 120

gaccgtgagg tggcagatgt gttggtcgac ggctacaatg tgcactatgg ngnccgctcc 180

atcaagcatg aggtagagcg ccgtgtggtg aaccaactgg cagccgccta tgaacaagat 240

ctgctacctg ggggctgtac cctgcgcatc actgtggagg actcagacaa acaactgctc 300

aagagccctg aactgccctc accccaggct gagaagcgtc cccccaagct gcggctagag 360

atcatcgaca aggacagcaa gacccacaaa ctggacatcc ggg 403

<210> 11417
<211> 421
<212> DNA
<213> Canis familiaris

<400> 11417
tgaggagtat ccaaccctta caaccttctt tgaaggagaa ataatcagca aaaaacaccc 60

tttcttaaca cggaagtggg atgcagatga agacgttgat cggaaacact ggggcaagtt 120

tctggctttt tatcagtatg caaaatcatt taattcagat gactttgatt atgaagagct 180

gaagaatggg gattatgtct tcatgaggtg gaaggaacag ttcctggtcc cagaccacac 240

gatcaaagac atcagtggtg cttcctttgc tgggttctat tacatctgct tccagaagtc 300

ggcagcctcc atagagggct actattacca taggagttca gaatggtatc agtcactcaa 360

tctaactcac gttcctgaac acagcgcacc catctatgaa ttccggtgac agcggttcag 420

a 421

<210> 11418
<211> 111
<212> DNA
<213> Canis familiaris

<400> 11418

atcgcaaaat ttgccatttg ctaaaagaaa aagtcttaga ctgtttacac tgccagaaga 60

tcagtcccag gtgtatccca agaaagcact gttttgttga caggcagccc c 111

<210> 11419
<211> 576
<212> DNA
<213> Canis familiaris

<400> 11419
gataggtttg ggaactgcgg tctaaaaaga ggccagtata tattctgttc atggagggat 60

cttcaatgtg gaagattaat ttgtacttat cctactcgag ttccttttta caaagaaaat 120

agtgctgtga tttatgcctt tgtacgaaat agtttatgta taactataga ctacaaatta 180

cctcactcaa aacgagatcc aatggaggtc cccagtggca gtttttgtga tgaagacagg 240

atatgtgtaa atcgtgaatg tctagaagca aggatgctta gagctcaatt aaggttttgt 300

tcagaggggt gcggagaaca cggagtatgc acttcccaag gaacgtgcca ttgttttgat 360

ggctaccagc ctccatattg tcaaaggcgt ggcagagaag cttctagttt gtctgggaaa 420

cagggcaatg cttttagaaa ggctgaaaag aaccggtggc ttctaggttt ctacattgct 480

ttacctgttc tcatcatagt aaccataata gctgtttcat ggaatagttc gaaaaagtgg 540

ttcaacaagg aagaggaatc cctaagtagc gagtaa 576

<210> 11420
<211> 548
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (113)..(113)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (185)..(185)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (232)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (239)..(239)
<223> n is a, c, g, or t

<400> 11420
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gnaggggtcc ctatggtggg atgctgggtg tcctgtcatt gggaactgtc ccnttcccgt 120

atccntactc catcctgggg gcccnggggc agcgttcaag aagccaggag gcttcagagc 180

ncccnccagg ctcctcagac tggtnccatg nccagtaaga atctctttaa gnaaactgna 240

aatgtgtgac cttgaggaag aggtgtactt tcatgaggag agaaaagccc ccatggtcgc 300

tggtggaata ttgaagccag aagagccaga ccatggcatc aagctgcgct gcaaatccca 360

gacattcaca agtcctgggc tgtagaatct ctcccaagtt ttgctttgtt tcctatcaat 420

ggtgttaaca gctctgccaa tgttcagcaa ttgtgcgagg aggacaatac tcagagagca 480

aaatcagtac agtattgttt tatttttatg ccatatccag acagaaagat ctcctctatt 540

cattgtaa 548

<210> 11421
<211> 531
<212> DNA
<213> Canis familiaris

<400> 11421
ataaatacca ccatcacgca gctgactgcg gagataacaa aaattaaaaa gaacgtactg 60

caggctgaaa aggaagccaa ggactcgaag aatgtgctgg acttagcaaa gcagcagtca 120

gagctggagg atgggctttc ccggctgcgg accacgttgc aaaggactgg agagcgagcc 180

acccgggtga cagctcaggc tgcatgggcc cgaagccagg ccgggggcct ggagcaggag 240

tttgcagagc tgaaaaacca atatgctgtt cttcaacgta agaccagcgc tatgggacta 300

accaaggcga cgttggaaag agtggaacgg ctgaaagacg tggcagggaa actggccgag 360

gatacagagg acaagataag aagaatagca gatttagaaa agaagatcca agatctgcag 420

ctgagtagac aagaaaaagc tgaccaactg aaacagttgg aagatcaagt tgttgccatt 480

aaaaatgaga tcgctgagca gggaaataaa tatgctactt gctacagtta g 531

<210> 11422
<211> 542
<212> DNA
<213> Canis familiaris

<400> 11422
gatacagccg cccattctag agtgtcttca accatcagtt tagtaaagat ttcaaaagat 60

ggtgaacaac ctccagagaa agacacctca aaggaccatt ttgcattgac cctgaagctg 120

ctgaggaaaa tacatgacag aaaaggcaag aaaagaacag ttcagaaacc cataatgagg 180

ggcaagaaga agacaaaaga agctaagttt acaatcaatg aatctctggc tgctgtaaag 240

gaagagcgag tcgtgaagca gctgaaagcc aaagggcggg gtgcctctgg agcgcctggc 300

cgcaaggcca ccactgaaga tggcgcatca tggcgagatg atctatgtcg tcttatgacc 360

ctgagaatat ctggttccca aacagaaatg tcagaggctc taaacatgga actagtgacc 420

atggctcagg aggtactggc agataagcgg cccagttggg aacttttca ggagatctgc 480

cctttgttgg agaaaaaaag tgacattctg cttgaggacc tagactggga tgtagcctgg 540

cc 542

<210> 11423
<211> 497
<212> DNA
<213> Canis familiaris

<400> 11423
atccgcctgg gagtttatca acctagcatc agaaataaga aagagcagat acggaactac 60

tcattgatta tccctgcccc tgagttcaaa gcacagtctc tggagaatga cctgatgctg 120

ataaaactgt ccaaggccgc tgtactcaac aactacgtgg ggaccatagc catatctatg 180

gagcccttaa catttaatga ttcctgcttt atcccaacct ggacttggaa tcaattcaaa 240

aatctcagtg accctgacat cctgacttgg ataaaccaac attctcatcc cttcagtgac 300

tgcaggaata tgataggaga gagaatggca gtaaacatca tgtgtgtggg acaaccttta 360

agcatcatat ctaaaaccaa gccagaagtt tcagctgctc cagctgtctg tggtgggagg 420

ctacatggaa tcttatcctg ggacaaagga agtgtcaccc tgggaagtga agggtttttc 480

acagaagttc atcccta 497

<210> 11424
<211> 527
<212> DNA
<213> Canis familiaris

<400> 11424
gggtgatcac agctgcacat tgcaacttac caaaacttcg ggtgatatta gggattacaa 60

atccatcaaa tcctgatgaa aaggatgtac aagttgttgg ctatgagagg atgatccatc 120

atccacgctt ctcagttact gctattgaga atgacctcat gttaatcaag ctgagagaaa 180

atattgaact caatgactat gtgaaagtgg tcagtctgcc tgaagaacct gtccgtgagg 240

aagccatgtg catggtctcc acgtgggcct acaatctatg tgatgactcc aaggagcccg 300

actcaccaca gagcgtgaac atatccgtaa tctacaggga tgagtgcctc gatgcctata 360

aaacccaaag gatccaagaa aatatgctgt gtctgggcat tgtgccagga aggaggctgc 420

cctgcaagga agtcacagcc gccccagcag tctgcaatgg ggtacttcaa ggaatattga 480

cttttttaga tggatgtgtt ttgagagctg atgttggaat ctacacc 527

<210> 11425
<211> 126
<212> DNA
<213> Canis familiaris

<400> 11425
aggtatggat tagaatgtct gttcaggttt tatagttatg gactggaaaa aaaattcaga 60

caagaaattt ttaaagattt ccaagaagaa accaaaaaag actacgaatc tggtcagctg 120

tatgga 126

<210> 11426
<211> 508
<212> DNA
<213> Canis familiaris

<400> 11426
aatgaatacc ctctttcgtt tctggtcctt tttcctcaga gatcacttca ataaaaaaat 60

gtatgaggaa tttagacaac ttgcttggga agatgcaaaa gaaaattaca ggtatggatt 120

agaatgtctg ttcaggtttt atagttatgg actggaaaaa aaattcagac aagaaatttt 180

taaagatttc caagaagaaa ccaaaaaaga ctacgaatct ggtcagctgt atggattaga 240

aaagttttgg gcttacctaa aatattctca atctaagaca cagtctattg acccaaaact 300

tcaggaatac ctctgtagct ttaagaggtt agaagacttc cgcattgatc ccccgattag 360

tgaggaattt ggaagaaaaa gacattcatc tacttctggt gaggacagta gtcgtcatag 420

acttccatct aattcctctg caaagccacc aaatgctgct aagcctacat ctgctaatca 480

gcttcaggtc cctgatccaa tagagaat 508

<210> 11427
<211> 280
<212> DNA
<213> Canis familiaris

<400> 11427
ataaccgatg aaaatcctgt gcttgagcat caagagtcaa tgtcaaaaac ccaactgcaa 60

gtaaagaaac aaaaaattgc taacagggaa agactcacta ttcagtatga agtaccagat 120

gaaaatcatg tgcttgagca tcaagactca atgtcaaaac cagagattca agtgaagaaa 180

caaataattc aaaagaggga aagacttggt attcatgatt atgtaccaga caaaaatctt 240

atgcttaagc atcaagattc agtgtcaaaa cttcaaatgc 280

<210> 11428
<211> 427
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<400> 11428
agatagtccc atacctgtag cacgcgacac aggcatgtct gnaaaaancc gtaggttctg 60

taagtcttgc acagttggag gtggaatcnc actattcctc agtacatatg gaggcagaag 120

catcagttct gttctctgac acctctttga aaggtcagcc tgcacaattc ccggatgcag 180

ggggctccac caaagcagtc ggctctgaaa aaccactgca tcttgaagtg gagttcactg 240

ccctagttcc tggcaactcg gggcaggagg agtcccaggg aagctctgca gcccaggaga 300

tggagggcaa actcgtgctc tctggggaag ctgctacagc agtgctctcg gctgcatctg 360

taagggcagc tggtggtagc cccactcctg ttccagaagg tcttactgaa cctgagctcg 420

aaccaga 427

<210> 11429
<211> 462
<212> DNA
<213> Canis familiaris

<400> 11429
aaagcaaaac ctccaattac ctcatctctc tggaccccac agacctgtct cgggatggga 60

acaactttgt gggcaaagtc agatctaatg tcttgggcac taagttcacc atctttgaca 120

atggggtgaa tcctgaaagg aagaatttcg tcccggagac cgctcgcatc agagaggagc 180

tgggggctgt gtgttatgag cccaacatct tgggattccg aggaccacgg aaaatgaatg 240

tgatcattcc agaaatcgat gcccagaacc agagaatcag tgtccagcca caaaacgggc 300

tggagtcact actgagtcgc ttccaacggg gggccaccca gaggctcatc ctgctgcaaa 360

acaaaacccc cttgtggagc caggagaacg gcacctacgt actcaatttt cacggtcgag 420

tcactcaggc ctcggtcaag aacttccaga tcgtgtatcc gg 462

<210> 11430
<211> 569
<212> DNA
<213> Canis familiaris

<400> 11430
gtgggaactt tgattgcccc tcagtgggtg ttgacggcag cacactgctt tttaccagat 60

cttcagatca tcttttatgg cagcttcatg aatcttcgag actttactgg ggagatccta 120

cgttatgaga ggatcttcat ccacccaaac ttcactgcta cctctcctaa agatgacctc 180

atgttgataa agctggctat acctttttacc ttcatctcca caaggcattt acagtggcct 240

actttcaaga atgcagttaa agattgcttg attcacactt ggttagagaa taaatacttt 300

attggaaatt caaacaataa tctgcaaagc atcacaattc aaatgagctc taatataaac 360

tgcaaaaaat tattgggtga aaaactccta gaagacatgt tttgtatagg acccacacta 420

ggaagtcaag aaccctgcca ggtggtcaca gctgcaccag ccttatgtgg ccgtgaatta 480

caaggaattt tgtcttgggg aactggatgt gttctaacag gatacactgt tgtcttcact 540

gacctacaca gctacgttcc gtggatcaa 569

<210> 11431
<211> 486
<212> DNA
<213> Canis familiaris

<400> 11431
cctgcgtggg tgttctcatc aaagacaact gggtgctagc cccagctcac tgctacttac 60

caaacctaaa agtgatgctg ggaaatttca ggatcagagt cagagatggc acagaacaga 120

caattaaccc catccagatt atccgctact ggaactttag ccatacctcc ccacaggatg 180

acctcatgct cattaagctg gcgaaacctg ccaaactcaa caataaagtc cagcctctac 240

ccctcgccac caacaatgtc cgtccaggca ccatctgtct actctcaggt ttggactgga 300

gccaggacaa caacggtaga catcctgatt taaggcagaa cctggaggct cctgtgatgt 360

ctgataaaga gtgccagaaa accgaacaag ggaaaagcca caggaactcc ttatgtgtta 420

aatttgtgaa agtcttcagc cgaatttttg gggaggtggc cgtcgctacc gtcatctgca 480

aaaaca 486

<210> 11432
<211> 507
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
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<222> (45)..(45)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (115)..(115)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (451)..(451)
<223> n is a, c, g, or t

<400> 11432
aagcgcttga cgtcgctgtg accagccggg gtcaccncca tcagncgctt ggccgagttc 60

tcgaacacca gcacacccag ctcccgagca tgggccagca gcagctcaaa gtccncttgc 120

gacaggaact ggttatacag gacacctgca gtccgcaggg caggggcagc ggagggccag 180

cgtagagaga aaagccaaga acgtgaggcc ccngcgtggc agcctcgggg caggggtctg 240

cgcttgccag ccacctccat ttcaaagcta atcctctatg cttgtctgtt ccaaagctca 300

tccntaacag tagttgatcc agccacattc agtaaggcaa tataacacgg gtgggtaaga 360

aaacccacta atgctcacca aaccagagaa actactgtga attatccctc ccaatttccc 420

tcttctagct aaatcccaac agcactgatt ngagacaatt tactactaca gactcactcc 480

ccaaataaag tgtcctgcca gctttcc 507

<210> 11433
<211> 544
<212> DNA
<213> Canis familiaris

<400> 11433
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ctatatccag actgatgcca taattaatca cggcaattct gggggccccc tggtgaactt 120

ggatggtgac gtaattggca taaatacact gaaggtgaca gcgggaatct ccttcgccat 180

tccctccgat cgaattcgac agtttctggc agaattccac gagcggcagt tgaaaggaaa 240

ggctctttca cagaagaagt atctcggtct gcggatgctg cctctcacta tgaaccttct 300

tcaagagatg aaaaggcaag atccagattt tcctgatgtg agttctgggg tttttgtgta 360

tgaggtgatt caaggaacgg ctgctgaaag ctctgggttg agagaccacg atgtaattgt 420

cagcataaat gggcaacctg ttaccaccac aactgatgtt attgaagctg tgaaggacag 480

tgattccctt tccattatgg ttcttcgagg aagtcaaact ttgatcctga cagtcacacc 540

tgaa 544

<210> 11434
<211> 600
<212> DNA
<213> Canis familiaris

<400> 11434
accaatgtgc cttatgttta tgctgttggg gatattctgg agggtaaact tgagctcaca 60

cctgttgcca tacaggcagg caagctgctg gctcgaagac tttttgcggg ccgtttagaa 120

aagtgtgatt atgtaaatgt tccaactaca gtgtttactc ctttggaata tggctgctgt 180

ggattatctg aagagaaagc tattgaaatg tataaaaaag agaatctcga agtaagattg 240

tgttttgctg cttacttttt cagaatttct catcaactgg ctttgcagaa acttttgtt 300

ttatcattaa cccacggggc ttctctttct tatgtttgca tattcaagta tcgggtgata 360

ggattccatg ttctcggacc caatgccggt gaggttaccc aggggtttgc tgccgcaatg 420

aaatgtgggc tcacaaagca gctacttgat gataccattg gaattcatcc cacctgtggt 480

gaggtgttta cgactctgga gatcacaaag tcgtcgggac tagacatcac tcagaagggc 540

tgctgaggct agcactgctg ctgtctgggt ttccttgtca tttcctgctc tcagggacaa 600

<210> 11435
<211> 505

<212> DNA
<213> Canis familiaris

<400> 11435
aatatggcca gcctattcag atgaggtaca tggaacatga agagagacca aaagctttaa 60

acgacttggg aaaaaagatt cagcttgtta tgaaagtgat agaagcatac agaaacaagg 120

atgaaagata cgatcatctg gatcctgctg atgtggaaaa agttgaaaaa tacattagtg 180

aagccatgag ttggctgaac agtaagatga atgcacagaa caaactaagt ctcactcaag 240

atcctgtggt gaaagtttca gaaatagttg caaagtcaaa ggacctggat aatttttgta 300

accccatcat ttacaagccc aaaccgaaag tagaggttgc tgaagacaaa gcaaaagcta 360

atagtgaaca caatggacca atggatggac agagtgggac tgaaactaaa gcagatacaa 420

caaaagacag ctcccagcat actaaatctt ctggagagat ggaagtggac taagtcttaa 480

tttcaccttc acataattca aacag 505

<210> 11436
<211> 468
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (397)..(397)
<223> n is a, c, g, or t

<400> 11436
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ggcgtgtgnc aagatatncc ncaagatctc caaagtcccc aaaatggttc ggatcgtgga 120

ctccaagatg gtctgtgcag aggactttga cagggagcag ttttgctacg agataagtgg 180

tgagcccttg gcctgttctg tggacnccat gtggtacctg gtgggnctgg tgagctgggg 240

ccctggctgc tcgaagagtg aggccccacc catctacctg caggtcacct cctaccagcg 300

ctggatctgg gaacgtgtca gtgggcagga ccttcccgcc ccatccaggg ccctgctcct 360

ggtgctatca ctgccccttg gcctgctctc ggccctnctg acactctcat ggtgtccctg 420

gggttgctgt cctcaccctc tgtgctcagg atcctgcagg tgttgctc 468

<210> 11437
<211> 212
<212> DNA
<213> Canis familiaris

<400> 11437
gagacattcc tatgaacttt tcaagatgag tggtttatcc tctccaatct gctcctgaca 60

gagcagtctt ctgagccatt caatttcaaa ttgcaccaat tatgtgcaga gccttggtgt 120

aaagtgctct ctcactcatt ctttctctct gttgaatttg gtgctattgt ctcaggtacc 180

tgaaaccaac cagcctacaa gaaccaaaca ga 212

<210> 11438
<211> 220
<212> DNA
<213> Canis familiaris

<400> 11438
atagagatgg gatggcccct atggtgaaat ctaccagcag acccaaatgg caaaggctgc 60

cacctaaaaa tgtttactac taccggtgcc cagaccatag gaagaattat gtgatgtcct 120

ttgcattttg ttttgaccga gaggaagata tttaccaatt tgcttactgc tacccatata 180

catacacgcg ctttcagcat taccttgacg gcctgcaaaa 220

<210> 11439
<211> 122
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (9)..(9)
<223> n is a, c, g, or t

<400> 11439
accagcccnt gtacacctgt ccccaccagc cagggttttg ggatcagagt tgagttggaa 60

ggcagccact cgcaacagca tgcctggcct tgtcaatgct gcctctgctg catttgcaat 120

aa 122

<210> 11440
<211> 417
<212> DNA
<213> Canis familiaris

<400> 11440
atccatgacc gggtaaaaaa tgtcttgaaa tcacatcagg ctcatcaaag acatttatat 60

gatgagagag acccagagaa ggaagacgaa ctggaactga aaagaggtct tttatacaga 120

gactctgcct acgacagtga cccagagtat agctcatttc agcggccacg tggcactctc 180

catttggatg atggtgaata ctggtccaac agggcagcct cttataaagg aaaatcccac 240

cgacccgtct ttgagaacag catggacaag atatacagga acttatacaa aaaggcctgt 300

agttccgttt ctcatacaca ggaaagcttc tgataccatc catgataaac tgtatgggtg 360

tctgtgtcaa cttctcaatg aaaacgtttg atgtgatcaa tatctgtatt ctttttt 417

<210> 11441
<211> 176
<212> DNA
<213> Canis familiaris

<400> 11441
atggtgaacc tgtgattggc gcccacccac tgatttcccc tcttcccctc ccttctgact 60

tccacagctc ccctctccat atccttacag agccctaaca ttatcttcat accactcaca 120

tcaaagacat gtcatcttat gctagtcact ggatttttca gattttcctg tccatg 176

<210> 11442
<211> 411
<212> DNA
<213> Canis familiaris

<400> 11442
aggttctgcc tccaacagat ctggggatga aggctgccgg catcttggcc ctgattggct 60

gtctgatcat ggtcactgag cccaaaatct acactcgctg taaactggca aaaatatttt 120

tgagggctgg cctggacaat taccagggtt ttagccttgg aaactggatc tgcatggcat 180

actatgagag ccgctacaat acaacagctg agacccagct ggaggatgga agcattgact 240

atggcatttt tcagataaat agtttcacgt ggtgcagacg tgctaagcta caagagaaga 300

accactgtca cgttgcctgc tcagccttga tcacagatga tctcacagat gcaattctat 360

gtgccaagaa aattgctaaa gagacagaag ggatgaacta ctggcaaggc t 411

<210> 11443
<211> 39
<212> DNA
<213> Canis familiaris

<400> 11443
ccataaactt actttggtag gctctcaacc tggggcagc 39

<210> 11444
<211> 329
<212> DNA
<213> Canis familiaris

<400> 11444
ctgttagata ccctcctggg aacaaagcat gtggacagtg cagcactcat caaactccag 60

gagcgaagct tgtgtgtggc atcgccagga tttagtgtaa tgcctggtga tgtccgaaca 120

cttgtgaatg gattcgccaa gaacccttta caaaccagaa gagaaggatt gtatttcaag 180

gaaaaggatt acaaatgtat ccgggcagat gactattctc tttatgctaa gaatgaaaaa 240

actggtgtgg tggttgtgaa gacccatcta tatcttctgg tggcaactta caccgaaggc 300

atgtatccta gtgtttgtgt ggaagccac 329

<210> 11445
<211> 89
<212> DNA
<213> Canis familiaris

<400> 11445
acaggcgcca aggactgtgt gttctgtgag ctgaccgatt ccaagcagtg tcccggcatc 60

cacatgcagt gtggcgacga tgaggactg 89

<210> 11446
<211> 172
<212> DNA
<213> Canis familiaris

<400> 11446
gacgatgagg actgcttcac aggccatggg gtggctccag gcctcggccc tatcatcaac 60

aaaggttgcc tgctgtccac ttcttgcggc cacgaggagc cggtcaccta catgggtgtc 120

acctacacgc ttaccaccac gtgctgctac ggccacatgt gtaacagggc cc 172

<210> 11447
<211> 130
<212> DNA
<213> Canis familiaris

<400> 11447
gaattgaaga ttgcaatgca agccttagga tttgaaccaa agaaagaaga aattaaaaaa 60

atgatagctg aaatcgacaa agaaggaatt ggcaccatta cttttgaaga ttttttgcc 120

ataatgagtg 130

<210> 11448
<211> 504
<212> DNA
<213> Canis familiaris

<400> 11448
caggcatcca actattgtat aggttcagac caatggaaga aaagagcagc aaaacttgaa 60

ttgaatgaaa cccaaaagca agaaattaaa gaggcctttg atttattcga tgttgatggg 120

tctggaacca tagatgtgaa agaattgaag attgcaatgc aagccttagg atttgaacca 180

aagaaagaag aaattaaaaa aatgatagct gaaatcgaca aagaaggaat tggcaccatt 240

acttttgaag attttttttgc cataatgagt gtaaaaatgg tatatgaaaa aaatgaaaaa 300

gaagaaatat tgaaggcttt caaattattt gatgatgatg atactggaag cataacacta 360

agcaatatca agagggttgc taaggaactg ggggaaaatt taacagatga tgaacttcag 420

gaaatgcttg atgaagctga tcgtgatagg gatggagaaa taaatgagga agaatttttg 480

agaatgatga aaaagaccac tctt 504

<210> 11449
<211> 51
<212> DNA
<213> Canis familiaris

<400> 11449
agagtaagca gtatgtcctc aagtgacaaa ttgacaagat gggaagtgct t 51

<210> 11450
<211> 303
<212> DNA
<213> Canis familiaris

<400> 11450
gggagcattg ctgagtcact ttatacagcc agtttacatc agcagtatac ttgttggtga 60

tgggaattgc agtgatacta gaggtttaga aattgctgta aagcaacgtg ttgatgatgc 120

acttacttca aaacttccaa tgttttactt ggtcaacaga cctcatgtta gtttagtacc 180

ttctgcatat ccactgcaaa caaacttgga atataaatcc ttgagtctga attgggcaca 240

gggggacatt tctttggaga ttgtggatgg cctgagtgga aagatcactg aaagttcccc 300

att 303

<210> 11451
<211> 259
<212> DNA
<213> Canis familiaris

<400> 11451
gaaacatcgg attatggagc tgctgagcta cctcaccagc gctctgctct tcttccggcc 60

tgaaaaacca agagagtatt taataactat attggaacga ctgagaattg ccaaaataac 120

aggcgtggcc tttcctttct ttatggatca ctctaacatt gtggctatgt ttgagatgat 180

ggacacttca agtaaaggca ccatatcatt tgtgcagtac aaagaagccc taaaaaccct 240

gggtctgttg aataaagat 259

<210> 11452
<211> 44
<212> DNA
<213> Canis familiaris

<400> 11452
aacatgttta tctgaaccag ccttgggaaa tgaacatctt aaaa 44

<210> 11453
<211> 576

<212> DNA
<213> Canis familiaris

<400> 11453
gatggctacc agaacaagac cgagtcctca aagctccact gcgtcctcaa tggcaacaat 60

gtggcctgca gcttcaccgt aggagccggc ctcctggctt tcttcagctg cctgaccttc 120

ctcgccctgg atgcccacga gagccgcatc ggcagcaccc gcttcaagac ggccttccag 180

ctcctggact tcatcctggc tgtcctgtgg ataggcatct ggttcgtggg cttctgcttc 240

ctggccaacc agtggcagca ttcaccaccc aaagggttcc tcctgggaag cagcagtgcc 300

aaggccgcca tcaccttcgc tttcttctcc atcctcacct gggtgaggat aggctacctg 360

gccctccagg acctccggaa tgatactcca gtcccttaca agcgctccct ggatgagggt 420

ggcgtggtgc tgaccaccct ctccccgccc tctgccacca gccctgtgaa cacacccacc 480

actggcccca acaacctgag ttatgccggt tctgcttcgt ccccctatct gaccactccg 540

aaggcccccc gcctcgctat gatgcctgac aactga 576

<210> 11454
<211> 413
<212> DNA
<213> Canis familiaris

<400> 11454
aagccaaccg ttgcagtttc ctggtgccgc ttgtcctggg gtccgaagca tctcagcact 60

agcccaggcc aacgtcgagg gacatcatca ccacgaatcc caggatggag gcccaggagg 120

ccagtttccc attaccacta ggaaggaagg gaaatgagac cttaacgcgc tctgggacat 180

catccaagct gaaagaatcc tctgcgatgt ccaattccaa cagaaaatta ataaggacaa 240

taatattgat aagcagcatc tatcagggat tactatatgc caggcgaact agctcacgta 300

atcccaaagg ataatcacat gagaccggta ctgtcagtgt tcccttgtta ctggtgggga 360

aactgaggca tacagatgta acttgcccaa aggtacctct catggctctg gaa 413

<210> 11455
<211> 512
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (72)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (155)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<400> 11455
ctgggccatt cagaattccc tgagaaagca ccagagaaag gcccctatat aaccctattc 60

aaaagcttct annatcccaa tgtctggctg cagccttatc tggtcttcaa ccaaaagaga 120

cctgtactgg acatattaat tctgtgctca cttcnnctga tccctgccct tgtccgttaa 180

ggaaatacca tgctcacagt cttcctgcca aggtgnccaa atgtggtgcc atcagtttca 240

ctgatccaag aggtgttagn cttggcaagt tggaaatagc gagggaggcg aagagacgct 300

tttccttgat gtgctcaaac aaagcagtac atattgtcan ctccgcagga ggcgcgcggc 360

ggccatatgt gcgtcgccca gcgaaatgga ataaacagct gctgccagga atccaattgc 420

tggcaaggaa gcaaacccaa ggcctcctgt ttccaaaata aaaatcacca gagggattcc 480

ccttcctgca gttccagcca gtagttttat aa 512

<210> 11456
<211> 317
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (170)..(170)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<400> 11456
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gaaatacact gtttttcaag acctatggat taaatacatt ttacatttat tgcaaaactg 120

nctttaaaag agggaataca tgttttcaac gtgacaaacc cacgaaggcn caagtgatct 180

caggacagat cactcaggna agcnccaaag gatgttcaaa gttccacagg atgtctgtgc 240

ccaggaaaga tcctggggag aggggcacaa tgatttcaca caaccttgtt ccaggtggtt 300

attctctgct tcttctc 317

<210> 11457
<211> 121
<212> DNA
<213> Canis familiaris

<400> 11457
gcattgctga cataactctg gtggctgggg gctggagctg gggagaaggc tagctgagcc 60

ttatctcatt cctgcctcag gatgtgcagg ggagccagcc cactgcacaa atgtgaggat 120

g 121

<210> 11458
<211> 285
<212> DNA
<213> Canis familiaris

<400> 11458
aaaacgagcc tcagctggcg aatgccttcg gcatccttgg ttgaattctt agcagattct 60

acaaatcgag cattctgagc tagcaaatgt tttccagtac attggaccta aacggtgact 120

ctcattcttt aacaggatta caagtgagct ggcttcatcc tcagaccttt attttgcttt 180

gaggtactgt tgtttgacat tttgcttttt gtgcactgtg atcctgggga agggtagtct 240

tttgtcttca gcttagtagt ttactgaccc actttcttct ggaaa 285

<210> 11459
<211> 153
<212> DNA
<213> Canis familiaris

<400> 11459
gtaaggatga gcaggcgagc aatcaaacag gagccctccc tcgtggagaa tttcctgttt 60

aatttctact ggggcaggaa gaggagaatg gggacgttcc aactgctgtc cctgttgcaa 120

acctgtcctt cccctacagc caatcgcaat tac 153

<210> 11460
<211> 515
<212> DNA
<213> Canis familiaris

<400> 11460
cccagcatgt tcgagaagga ggcatatgca cagattttaa gagacagact gagagaatca 60

tttcatgatg ttcagtatgt agagcctcca tttgatgaat caattgctga tctaggtaaa 120

gaatggaaga gtgtcctggc aaaactgaag tttgctaatt catatagaat ggaaccattg 180

aaaaaattcc aagctcattc agtagaaact aaagtccagc agatattaaa ggagagtctt 240

aaggatgtca aatatgatga taaagtcttc tctcatttgt cacttgaatt agcagaccgc 300

atcttgtcag cagtgaaaga atttgggtac caccgttaca agttcgttat aaaagtatta 360

tttattcaaa agactggtca ggcaataaat atcgccagca gatggatctg ggatgttgca 420

tgggacagct gggttggggc aaaacatgaa acggaaacgt atgttgcctt ggccctggtg 480

tttgctctct attgtgaata gctcattaca tgtac 515

<210> 11461
<211> 588
<212> DNA
<213> Canis familiaris

<400> 11461
gtttagcttc tagaagtcgc tggaaagagc aatacaagga acgggtggaa aattattcta 60

atgtaagtat tcacttgaag aatcctgaaa actgttcctg ccaagcttgt ggattgcatc 120

gccactgcag atactcagtg catttatcag gaaagttgta taacaccagg accatggaaa 180

tagatgattt catgtcacat gataaacagg tgtttactgt tggcagaatt tgtgctaatc 240

gcaccagaat ttatcataaa ctgaaacatt ttaagttcaa gctgtaccag gaatgttgct 300

ccattgcaaa gacagaagaa gttgaggatg aacaggttaa ggaaacagtg gaaagaattt 360

tcaatcagtc aaaggaaagt ggctggatta aggagaaata tggtcaactt caagaatatc 420

taaatttggc ggattacttt caagatgaga agtttgactg aattgtaaca catttccttc 480

agagaagatt ttataaattc ctgtaaatgt gaagatcatg agtcttgttt ctctgtatca 540

tgtgacgtat ttatatattt tatgtgtact ttcatggcaa atatcttg 588

<210> 11462
<211> 257
<212> DNA
<213> Canis familiaris

<400> 11462
gggactctga gataatgcaa caaaagcaga aggcagctaa tgagaagaag tctatgcaga 60

caagagaaaa atgatgacta tggaaaaacc tgggtgctac tgccaactag gtgtatcagg 120

ctctaaggtc aaaattttgt ggagcgaaca atcatatgtt atatccttac aaaactattt 180

tagactttac ctttcagcct gacttagtgt aatgtttcat aagcattctt caaataataa 240

aacactaact gtgcatg 257

<210> 11463
<211> 172
<212> DNA
<213> Canis familiaris

<400> 11463
tggagaccct cttactcaga ggaccccaga agccacagac tcacccactg gccgactacc 60

gctacacagg ttcagacatc tggaccccca tggagaagag gctttttaag aaggcgttct 120

gtgcccacaa gaaggacttt tacttgatac acaagacgat tcagacaaag ac 172

<210> 11464
<211> 445
<212> DNA
<213> Canis familiaris

<400> 11464
gagtggtcaa cagtgttcct attacaaagc aaagttcttc acgaagtggt aaaagtaaga 60

agttgtcagg aacacctccc tcctccaaca gcgttaatga agagctatca gaagtcttac 120

agactttaca agatgaattt gggcaaatga gctttgatca ccagcagctt gcgaaactta 180

tccaagaatc cccaactgtt gaactgaagg acaacttaga gtgtgaactg gaggcattag 240

tggggaggat ggaggccaaa gccaaccaaa taactaaagt tcggaaatac caagcccagc 300

tggagaaaca gaagatagag aagcaaaaga gggacttgcg aaccaccaga aggactcttg 360

atgaagaagg aaacagcagc agtcgatcct ctggaaccac agggaccaca aacaagaagg 420

atgttgccaa gctgagaccc ggtga 445

<210> 11465
<211> 359
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (324)..(324)
<223> n is a, c, g, or t

<400> 11465
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agtttttcca atatggatgg agatgtacca ctaatgagaa ttcctattca aatcataccc 120

tgatgggaaa ctggaaccag gaaagatatg acctgaggaa tatcgtgcag cccaaaccct 180

tgccttccca gtttggacac tattttgaaa caacgtatga catgagctat aacaacaaaa 240

ggccactttc aactcatagg tttaagagag agcctcactg gtttccagga catcagcctg 300

agctggatcc tcctcgatac aaantcacag aaaagtcaac ttatatggct agctactca 359

<210> 11466
<211> 520
<212> DNA
<213> Canis familiaris

<400> 11466
gtgtccgagg cctacgaggt cctgtccgac accaagaggc gctcggtgta cgaccgcgcg 60

ggctgcgaca gctgcccctt cgacgcgggc tacaccttcc ggaaccccga ggacatcttc 120

cgtgagtttt tcggcggcct ggacccttcc tcgttcgatt tctgggatgc gcccttcaac 180

agcgaccgcg cgggccgggg ccctgggctg cggggcgcct tctcggcggg cttcggggag 240

ttcccggcct tcatggaggc cttctcggcc ttcgacgccc tgggccgggc cggcggtgcc 300

agccgcacca ccttctcgtc cacctccttc gggggctccg gcgccggcag ctcagggttc 360

aagtcagtga tgtcgtccac cgagatggtc aacggacaca aggtcaccac caagcgcatc 420

gtggagaatg ggcaggagcg catggaggtg gaggaggacg ggcagctcaa gtcggtgacc 480

atcaatggca aggagcagct caagcgggtg gacaacaagt 520

<210> 11467
<211> 436
<212> DNA
<213> Canis familiaris

<220>

<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (270)..(272)
<223> n is a, c, g, or t

<400> 11467
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cgtccncctc gaaggtgctg tatcgcactg tcttgctctg ggccaccgag agcacccagc 120

agaggctgaa gagctgtaaa gggaaaactg tcacggtacc tggggctggg aactaacagg 180

acacagccag aaggctgata tgggtgcggt gggcttcctc ctcataggtg cggaatttga 240

cagttttgat gcaagactcg gacaccnagn nncagccgca gaactagcaa gaattccagt 300

ctggtccagc ataaagtgtc agcggaaaac ctgagcttcc agcaagccat ctttgttcct 360

caaagagaaa aaagccaaca ggaggttctg cactgatact tgcagcccct catgccctcc 420

tgagtaggca gtcagg 436

<210> 11468
<211> 347
<212> DNA
<213> Canis familiaris

<400> 11468
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ccatgtctgg actcggctgg ctgttctgcc agcaccttgc tggttactga cctgatagtg 120

atgcagccag aggcacctga gggttagccc aagggcccac atcctgggtt ggcctgtgaa 180

agagcttagg gtcctcgtct gggttttggt gatgttggag gaatactccc cagcccacca 240

cccccattcc tttctgcttc tggtttggag ctctggacca gggctttagt cctggtcggt 300

ttttaaataa ttatttaaca gtgtaacttt tagacctgcg tgacatc 347

<210> 11469

<211> 161
<212> DNA
<213> Canis familiaris

<400> 11469
aaatgtgtgt catcccatca ggcagtgtgt gctcctcaca cctgtcatgg taggaaagct 60

ttacttcaag aaaaagttga gtatatgcaa agaaagcctt ttgtttctca tgttagcaca 120

tcttccatgt gctaatggct tctttgtacc atgatttgta t 161

<210> 11470
<211> 424
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (347)..(347)
<223> n is a, c, g, or t

<400> 11470
taaggccatc ttgacttttg acccactgga tatacagatt ggaatgacta ccacaaagga 60

agctttgaaa acctgcaatg gtttccgaag aaaatctagg atgacaagtt tttctcatct 120

agtgaataaa cagggaataa aggctatcaa agaagaggaa ttgcatgcag aagtctgcta 180

tgctgagtgc ttgattctga aatccactgt aangtttata caagacgaca gtatgtttgc 240

tttccttaaa agtgcaatca acatcgggtt aagttatcaa atatacaaag actgtcaaca 300

agtattaaca canataccta acaaccagag caaaacctac agacatntgg ttggaggagt 360

aaaatttgga cttggagcat tcaatctgat attatcactt gtgccaccaa agacccttaa 420

acta 424

<210> 11471
<211> 552
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (147)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (196)..(196)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (203)..(203)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (236)..(236)
<223> n is a, c, g, or t

<400> 11471
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ctgataaaca nccgcaaatg gntccncctc cncctgnaaa gccagagaaa aaagtcccnc 120

ctccnncccc aaagccncag aaaatgnttc caccttcncc tgcnaaacct ccacaaaagg 180

ctcctactca gcctgncaag ncnccgcaaa aggctccgac tcaacctgca aagccncaga 240

aaaaagctcc gactcagcct gcaaagccac agcaaaagcc ttcagctcag ttttcaaaat 300

cacagcaaca gctttcagct cagacttcaa aatcacagca acagctttca gctcagtctt 360

caaaatcaca gcaaaagctt tcagctcagc ctttaaaatc acagcaaaag ctttcagctc 420

agccttcaaa atcacagcaa aagctttcag ctcagccttc aaaatcacag caaactctta 480

agagtcaatc tagcgtaaca gttggcccaa gtgggaaaca aaggccatca gtcacaaaga 540

atgtacccaa at 552

<210> 11472
<211> 265
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<400> 11472
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ttcanggagg attntcctga ggatcgcgag gaactgggcc gccacagctg ggctgtcctg 120

cacaccctgg ccgcctacta ccccgatctg cccaccccag aacagcagcg agacatgacc 180

cagttcatac atttattttc caagttttnc ccgtgcgagg agtgtnccga agacatccgg 240

aagaggatat gcaggaacca gccgg 265

<210> 11473
<211> 241
<212> DNA
<213> Canis familiaris

<400> 11473
gaaaaatgct tctactctaa ttagagagat tgcaaaacat acacctgagc tttcacagtt 60

gatagttaac gcaggaggag tggctgccgt gattgattgt atcgggtcct gcaaaggaaa 120

cataagactg cctggcatca tgatgcttgg ttatgtagca gctcattctg agaacctggc 180

aatggcagtg atcatttcca agggtgtgcc tcagttgtca gtctgcttgt cagaagaacc 240

a 241

<210> 11474
<211> 448
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<400> 11474
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cagatcgaca acctcaagca tacaccacct acagccagcc cccagcccaa agaggtgacn 120

tttcctgagc ttctctntat cctgggaaga gatgttttat gcacaaaaat gtcaccgctt 180

cctgactgac atcatcctgg attccatcag gcaaaaggac cccaaagcca tgacagccaa 240

ggtggtctcc ctgaccaacc agctgtggac cctgcacatc agccccaagc agtttgtggt 300

ggatttgctg gccatcaccg gcttcaagga tganccggca cacccaggaa cgcctgtaca 360

gctgggtgga ggaaatatgg ttgctgcatg gacctgctca tccagagggg cctgtcaagg 420

tccatctctt actctatcct gggcaagt 448

<210> 11475
<211> 207
<212> DNA
<213> Canis familiaris

<400> 11475
acagctgggt ggaggaaata tggttgctgc atggacctgc tcatccagag gggcctgtca 60

aggtccatct cttactctat cctgggcaag tacttacaag agggctaggg tgaccagaaa 120

tgcgccctca catacccccc acctgccaag gctcatttta agaatgtgtg tgcccatctg 180

aaggtgtgtc agtctatttt tattata 207

<210> 11476
<211> 585
<212> DNA
<213> Canis familiaris

<400> 11476
gggtctcatt gtactttgga tttctggggc tgtgttctgt ggtaactggt ggctgcattc 60

tctttctgca ctggaggaag aacttgaggc gggaagagcg tgcccaggca tgggtggagg 120

tgatgagagc cgccacgttc acctacagcc cactgttgta ctggattaac aagcgtcggt 180

attatggcat gaacacagcc atcaacacgg ggcctccccc tgctgccacc aagactgaga 240

ctgaggtcca gaattcagat cctctatggg agttggacat ctctgagagc aggagctctg 300

ttgccgaaga cagcagcccc aaggtggagg gccctgctct gctacaacct gcattgcagc 360

ccctactttc cccaatgctg cagtcccaga ccagctcccc acttccagtt cccatctttc 420

aggaggtgcc cttttccatt tccctgtgca acctgcctcc agtgatgaac cactcagtct 480

cctacccttt ggacacctgt cctgaaagga acatccactt ccattcccta cccacgatgg 540

cccatggaga ccactgcttc aatgccaagc cttttgcttc agagt 585

<210> 11477
<211> 397
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(80)
<223> n is a, c, g, or t

<400> 11477
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cccctcctgg gtcctcaann gcagccgccg aggccatgag cacctgttca tggggcgagg 120

accctggccc tttcccacgg ccatctcctt gtcccggcct gtcaggtctt ccccgggtgc 180

agtctgcttg gggtggaaac ctttaacctc cgagatgacc tgtgttcaca agagcagatg 240

cccaggacca cagggacgtg gtctccacga gagacgcccc ctctagcagc cggctcgtgc 300

ggggctgtga gggcgcaggg ccctgacgcg agagctcaca gcctaacgaa cccttcattc 360

gagattccca ctgtcctgcg acataagcat cacgtga 397

<210> 11478
<211> 391
<212> DNA
<213> Canis familiaris

<400> 11478
gggcgattta gaccctggac agtacatgag tatggacttc actaacaggg aacattcaag 60

gcatacatct attaacaaac tagaatatga gaatgaaagg ctccgaaatg atcttaaact 120

tcgtgccaat gacaaatcag catgggctaa ccaaaatacc tatgaagaaa tgggacgata 180

cacctatcaa aaccaaataa aaatggaaaa acatgaactt agccaagatc gtgagccaaa 240

cagaagtgca acgcctccac tgccaccttt gccatttcaa accaaagaaa tgacgagtcc 300

cctggttagt gatgatgaag tgttcccgct gtctccccca gatatagtct tcccagcctc 360

tttggctgca cagcattatc tcctggagga a 391

<210> 11479
<211> 530
<212> DNA
<213> Canis familiaris

<400> 11479
tacagagggt ccttcgcagc tatgtgcctc aagatatcag ggatagaaat cgggttcgag 60

tcacctcatg ggatggcagg aagtggggag aactggaggg agacacctat gaccgggtgc 120

tggtggatgt gccctgtacc acagaccgcc attctcttcg tgaggaggag aacaacatct 180

ttcagcggtc gaggaagaag gaacggcaga tgttgcctat gcttcaggtg cagctgctcg 240

cggctggact cctcgccacc aaaccaggag gccacattgt ctattccact tgttcactgt 300

cacacttaca gaacgagtat gtggtgcaag gcaccataga gttcctggcc aatcaataca 360

gcatcaaggt tcaggtggaa gacctgactc acttccgaaa gcttttcatg gacacatttt 420

ctttcttccc atcctgccag gttggggagc tggtaattcc aaacctcttg gccaattttg 480

ggcccatgta cttttgcaaa atgtgtaggc tgacctagca tcacactatt 530

<210> 11480
<211> 443
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<400> 11480
aatgtttgat cggaatgagc ccagaaaacc tcctgtgcca ctgaggactg atcatccagt 60

catgggaata cagagtgaaa aaaattttgt aaacacaaat gcagncgatg tcattatggg 120

agtggctaaa aagcctaaac caatttatgt tgacaaaaga actggagaca agcatgatct 180

tgaaacctca ggactagttc ccaaatacat caataaaaag gattatggtg tcacacctga 240

atatatatgt aagcgaaatg aggaagtaaa gaaagcccaa gaagaatatg ataattatat 300

ccaggaaaac cttcggaaag cagctatgaa aaagctctct gatgaagaaa gggaggcggt 360

tcttcagggg ctgaagaaga actgggaaga ggtgcataag gagttccagt ccctctcggt 420

attcatcgat tccatcccaa aga 443

<210> 11481
<211> 477
<212> DNA
<213> Canis familiaris

<400> 11481
aacattcgcc agaagaaact aatccacaag ctgcaggagg aaaaggtttt ccgggaagag 60

atgaaaattt ttcgcgagaa aatagaagac ttcagggagg agatgtggaa cttccgaggc 120

aagatccgtg ctttccgggg tcagatcgtg ggcttttggg aggaggagag acctttctgg 180

gaagaggaga aaaccttctg gaaagaggaa aaaaccttct gggaaatgga aaagtccttc 240

cgagaagaag agaagacctt ttggatgaag taccgtacct tttggaagga ggacaaggcc 300

ttttggaaag aggacaccgc cttatgggaa agagaccgga accttcttca ggaggacaag 360

gccttgtggg aggaagagaa agccctatgg gtcgaggaaa gagctcttct ggaggaggag 420

aaggcgctgt gggaggacaa gaagtccctc tgggaggaag agaacgccct ctgggag 477

<210> 11482
<211> 390
<212> DNA
<213> Canis familiaris

<400> 11482
ttgctgctgt ttctcttagg ttccccattc ctagtgactc atgggtcaag atctggagag 60

ggagtagata ataatgacca gaaaaccatg gagatcttcc tctctgctac cgtggagtat 120

gccttacatg tattcaactt gcagagcaat gacacgaagg cctacaggtt ggtgcgcatc 180

ctggattcca ggatagagca ggagaagaag atgatggcat tttccatgga gctgcagctt 240

aaaagaacaa gatgtgggaa atttgatgaa gatattgaca actgtccctt tcaatcaagt 300

tcaggacaga acaatatcat cacctgcttc ttcaccatca gcactgatcc ctggaataca 360

atatttgaac tctggaacaa gacctgcttg 390

<210> 11483
<211> 388
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<400> 11483
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tccanccagg acttaaacac cgttctggaa nccgccaacg gcggcaggca gctgcaggtc 120

ttccnagcca gccatctaca agtgcttcgt gcagcaggag ctcatggctc ggttcaaccc 180

caggcccttt cccgacgtgc cggaggccct cagggaggag gaggcaggcc ggcagcaggg 240

ggcgagggag gcctcgaagg ggaaggccgg gcctgtcctc aaggggctga agttgacgct 300

gctggtgggc atagtcctgg ggctgctggg gctgctgctc aagttcttcc accattccca 360

gggcaaaaga agtgaccagg tgctgctg 388

<210> 11484
<211> 491
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<400> 11484
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cctgcccttg gcatccatct acaggcccat cctctgggaa gccancgaca tgcccctgac 120

gtggcagggc cagctctcca nccaggactt aaacaccgtt ctggaanccg ccaacggcgg 180

caggcagctg caggtcttcc nagccagcca tctacaagtg cttcgtgcag caggagctca 240

tggctcggtt caaccccagg ccctttcccg acgtgccgga ggccctcagg gaggaggagg 300

caggccggca gcaggggcg agggaggcct cgaaggggaa ggccgggcct gtcctcaagg 360

ggctgaagtt gacgctgctg gtgggcatag tcctggggct gctggggctg ctgctcaagt 420

tcttccacca ttcccagggc aaaagaagtg accaggtgct gctggtgaaa taaagcgagg 480

cctcggtgcc c 491

<210> 11485
<211> 491
<212> DNA
<213> Canis familiaris

<400> 11485
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cacgtgcacc tgaaatgatc ctacagcatt ccctttggcg accagtgaga aacagagaag 120

gtttaaaaac tggatatgta tctaaaacaa gatgtaaatc actgaagatt tttagaaaac 180

caagcagact gttcatgcaa tcagtttcta caaatgattc tgaatcatac atgaatgaag 240

aaaaaaagga agaagattta ctaaataaat gtatgcagtc aatgtcaatt gaagaacaag 300

gagaacatct gatgtgacct gacagtcttg tgaattgatg aggtgccaaa ggggggaagg 360

ggttgtgaat tgtgtcctct ctttttagga tagtattgtt attcaccatg aagtcattaa 420

gtaattttag tttgttcaga aacgtttgca acagtgtaat tggtttgatg tagttccatg 480

tactaacgat a 491

<210> 11486
<211> 459
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (87)..(87)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(336)
<223> n is a, c, g, or t

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<221> misc_feature

<222> (380)..(380)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (429)..(430)
<223> n is a, c, g, or t

<400> 11486
atgatttaat caactgcgtc gtcgttgtaa tgncgcctcc atagnanccg aaggacaggt 60

tccgagagct tctgggtgag cgagcanccn gggccggtgt gagtgctgca ggaggnaggg 120

catggagctc ctcggcccct cccggacctt gcactacgcc tctcctacac ctggctggtc 180

cccgacttac atgctcttat aaaccnagcc acgtagcgga taagatgttc ctccgagttc 240

tacgccaagc gatgacttac acagagaacg tgtctgcaga aagccaggcc accgctctgg 300

gcatctgttc ccgtcacaga aaaagggaag aaaagngcag caagaagagg ccaattaggg 360

atgcccgggt agctcagcan ttgagcatct gnctccggct cagggagtga tcacagggtc 420

ctgagatcnn gtcctgcatt gggctcctca cgcaagagc 459

<210> 11487
<211> 409
<212> DNA
<213> Canis familiaris

<400> 11487
gaccggtcgg aaagctccca aagcactttc ccggcttggg cgagaggcac aagcccagtc 60

tctacttctg cctatgagga agaagcagta agcagtttgg agatgccatc tctgcctgag 120

tatagatata aaagggccaa cttgccacct gataagacaa gagaattttc ctcatcacaa 180

gatatcaatc agtatattca tgaaatttca gaatttcaga agaaaagtac aaacaaaatt 240

aaaaccttaa gcaatatgtt ttgggggaat catccccaaa gaaaacgcag aggatattca 300

gaaaagtgtt gtcttacagg atgtacagta gaagaactga gtattgcatg cttcccatat 360

actgaataca aaaacttaca gaaacaagta ccatcatttg tgactaaga 409

<210> 11488
<211> 289
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<400> 11488
gggcgaagaa agctctacag gccttcatcc gagcctatgc aacctanccc ccgggagctg 60

aagcacatct ttcatgtccg atcgctccac cttggtcacg tggctaaaag cttcgggctg 120

agagatgccc cccaaaagct tagtgtcaca gctgtgaaga gaaggaaagc aaacctgaac 180

aggcctgacc ttcataagaa gagccacagt acacaccacc gccttgctga aatcttgcgt 240

tccgaatact caagtgggat ggaggccggc atcgccaagg tcgaaaagc 289

<210> 11489
<211> 558
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<400> 11489
acttactcgc cttactcatg gagagncagc aagggcatgc tccttaaggg acggaaatgt 60

ctgctacnaa nctgacattc gttgaatacc tactgtgtgt ccccttgga aatacgacag 120

tctcaaaaca gcagcactat gagtcagcag cagaaagcaa gccaagatga tccctttaa 180

aacgactgga aattcttcac attttaatgt tactatttag ctgtaaatgg gtggtgcatg 240

tactagacca aaattacagt cgttccgatt tgagggcctg ttctaaggct agttaatgcg 300

cggcggtgga gaacagtcac atccctcgct accaagacga tggagcagcc ctggcctctg 360

cagctgttta taatccttaa gtcatgactc ctccacctgt ctgggtaaat ctatccctgc 420

aacaaatgca gacaacactt ggagcgctca agaatggctg tttacaagat tctagtagga 480

aagttttgag caaatcagag tgtaggcctt cccatgtcat tcatgtttcc tcaaggcaga 540

cctttttcaa tatttcca 558

<210> 11490
<211> 414
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<400> 11490
ttttctgtct cagtgagttc aacatatact ccatctgtta gctctactgc tgcccctgat 60

gccaccactg cagctcatgc cacccctgca gctcatacca cccctgcagt tccagccacc 120

cctgcagctc atgccacccc tgcagctccc accacccctg cagctcatgc cacccctgca 180

gctnccngcc acccctgcag ttcctgccac catgaccaat gctgttcaaa gcaccactcg 240

agctggcttc ttcagctcga tttggaaaat agtgggttga aatattacta agatggaatt 300

agaggcatct gcatttgatc ttgcagggct cagcacaagg cccatccatt tgatttaatc 360

tagctgctta tcaagtctac catctttatc ttatccttaa tcagtttatc ggtt 414

<210> 11491
<211> 431
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<400> 11491
tacctgacat ctgttaccgc tgtggtaagt ctggtcatca tgctaagaat tgtgaccttc 60

tcgaggacat ctgctacaac tgtgggagna agtggccaca tcgctaaaga ctgtattgag 120

cctaaaagag agagagagca gtgctgttac acttgtggcc gaccaggcca tctggctcgt 180

gattgtgacc gtcaggaaga gcagaagtgc tactcttgcg gtgaatatgg ccacattcag 240

aaagactgca cccaagttaa gtgttaccgt tgtggcgaga caggccacgt ggccatcaac 300

tgcagcaaaa cgagtgaagt caactgttac cgttgtggcg agtcgggaca tctggcccgg 360

gaatgcccca ttgaggccac cgcttaatat ttccccttg tcttcccct cttccgttta 420

ctgattgata a 431

<210> 11492
<211> 79
<212> DNA
<213> Canis familiaris

<400> 11492
tgcagaaagg cgtgtttccg aggcgggaac tgagcgcaac aggggagcgc agggcagtca 60

taaagcgttt gggcaaaca 79

<210> 11493
<211> 135
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (79)..(80)
<223> n is a, c, g, or t

<400> 11493
caataaatct agtgaaccca agaatgagcc caagaattgt gatcccagat gtgaacaaaa 60

gtgtgaagcc aaatgccann ccagctgttt aaagaagctg ctgcaaaggt gctctgaaaa 120

gtacccacga gaaaa 135

<210> 11494
<211> 141
<212> DNA
<213> Canis familiaris

<400> 11494
gtatcagaac ctcttaactc atctcaccaa agagaaactg aagtactcag acaagcacat 60

tcctcaaaaa tacctggctc tacaatggga ggtctagaca aaaacagtgc attacaggca 120

gttaagccta actttcaaca a 141

<210> 11495
<211> 442
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (214)..(214)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (230)..(230)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (241)..(241)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (416)..(416)
<223> n is a, c, g, or t

<400> 11495
acctcactcg actacttgtc aagttcactn ccaacncaaa gggggcatag aaaatcaaag 60

aatgtcgagt gatgatanca ataaatctag tgaacccaag aatgagccca agaattgtga 120

tcccagatgt gaacaaaagt gtgaagccaa atgccanncc agctgtttaa agaagctgct 180

gcaaaggtgc tctgaaaagt acccacgaga aaangtgncc agcaccaccn aaagtgccca 240

nccgtgcccc ccaccatgcc cttctccatg cccgacttcc tgccccccca agccctgtgn 300

caagccctgt cctcctaaat gcccatctcc ctgcccaccc ccagagtgag gtaccaaggg 360

taccactcaa cccactacct ccaacatctc taccatgttc accatcttgg tgttgnaaag 420

ctgaagccat gaactgacaa gt 442

<210> 11496
<211> 109
<212> DNA
<213> Canis familiaris

<400> 11496
atggccgtgt ttcacgacga ggtggagatc gaggacttcc aatatgacga agactcggag 60

acctatttct acccctgccc gtgtggggat aacttctgca ttaccaagg 109

<210> 11497
<211> 256
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (163)..(165)
<223> n is a, c, g, or t

<400> 11497
agcttctgta ttcttgcttc ctcgagtgca accatcaaga ataaaaagtg ttctcctacc 60

tctctgcctg gctcgggttt cctgggactt atcccttaaa gacaactgca tttatcctaa 120

gccctcagag gacactgggc agtagcctca caagcaaacc ncnnncagag agcaaccact 180

atagatgctt gctctcagga ggttcatgcc aaagacccac aggctggcgc ggggactcct 240

tccatagtca gaagct 256

<210> 11498
<211> 164
<212> DNA
<213> Canis familiaris

<400> 11498
ttgtattaaa gtcgctttcc tccgcaagcc cgtggggaga agtcgtctgg cttgccgagt 60

tccctgcttc cgttttgtga gctcttgagt tagaggactt gctatcctct tacccccag 120

tttgtctaga tacttctatt tccaaatttc tggctcaatt atag 164

<210> 11499
<211> 459
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (272)..(272)
<223> n is a, c, g, or t

<400> 11499
aaggcccaaa gtccatgtgg tcagccncta ggaggctctc agcttccctt aggccttccn 60

tgtcagaggg gtacaggatc ccnctgcaac nccatccnag ggagaattga gcccagtgag 120

aaattcagag nccccnccca ggggaagaan gtggaaaaga catagtttgg ggaaatgagt 180

ttgctcacgg tgtttgtttt ggacgaagcc aacatgtttc atctggtaag tgcgccccgc 240

atcnttttac tgcttgagtt accagtaatc tngcaagctg acgtaaacat ctcgaactga 300

aggggacaat tttaaacgaa tgaacgaatt cagaatttgt agctctctaa actagatgat 360

ttcggcctag aaatcctaac ttgcatctgg attgccaacc ctgcgtctgt gcatcacttg 420

aaatcacagc caacgccacc gtcgttgacg ctcgtgaag 459

<210> 11500
<211> 521
<212> DNA
<213> Canis familiaris

<400> 11500
accagatgca ttgtgaggac cttgaagaat accaggctct gaccttcctg accagaaatg 60

aaatcctgtg catccacgac accttcctga agctctgtcc ccctgggaag tactacaagg 120

aggcaacact gaccacagac caggtcagct ccctgccagc cctgagggtc aacccttttc 180

gagaccgaat ctgcaaagtg ttctcccaca acaatgtgtt ctcctttgag gatgtgctga 240

gcatggcatc tgtgttcagt gagcaggcct gccccagcct gaagatcgag tatgcctttc 300

gcatctatga ttttaacgag aatggcttca tcgacgagga ggacctgcag aggattgtcc 360

tccgactgct caacagtgat gacgtgtcgg aggacctgct gaccgacctc acaaaccatg 420

tcctgaatga gtcggatctg gacaatgaca acatgctgtc tttctcggag tttgaacatg 480

cgatggccaa gtctccagac ttcatgaact cctttcggat t 521

<210> 11501
<211> 578
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (203)..(203)

<223> n is a, c, g, or t

<400> 11501
gatctgggag aatgactggc tgaaaagaga gattgcaaat cacagaaagg aagttgaaga 60

actggaaagt actattcatg aattggaaga agaaaatttg gtgcttattg atcaactatt 120

caactgtaga cttgtggatc tcaaaatacc caggcaactc tatcttactc aagctgctgg 180

actggaagca ccacataaag tgnctctgga gttgccagaa atacatgaag aagagtcaaa 240

attacaaccc gtagaagtta aaagtacaga catcatgagc tcatcatctg agagcagtgc 300

tttatatctc tgtcatgagg atagtatcag atatgtcaag cacctgaaga tagatgaaga 360

agacaactca tgtatggaat ttggggcctc tgatatgaaa tacttactat atgaggatga 420

acaggatttc aaggattatg taaacctggg tcccctgcaa gtgaagctca tgagtgtggc 480

gagcaagaaa atgccaattc attttcaaga aaaagaaatt ccagtcaaat gctatgaaga 540

taccaggagc ccagaaagcc gcatcacata caaaatga 578

<210> 11502
<211> 290
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (111)..(111)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (205)..(205)
<223> n is a, c, g, or t

<400> 11502
ccccgcagac caaaaggagt agtagaaacc ctgtctttca tgattcctgg gacacagagt 60

cttcaagcag tgatagtggt gggagcagca gcagcagcag cagcagcatc nacagcccgg 120

acagggcagg cgggcnagag agcagcttga accacacggc tgctnggtcc ggccctcaca 180

cccctcagcc tgttcccgag cagtncgcac tgtgccaagg cccttacttc cacatcaacc 240

agaccctgaa ggaggcccac tttcatagcc tacagcaccg aggacggcct 290

<210> 11503
<211> 166
<212> DNA
<213> Canis familiaris

<400> 11503
actggctgga aatcccctgc ttctctgacg atgtctggaa tggctggtct ttttagcatc 60

tctggcaaga tatggcatct tcacaactat ttcacagtga cccttggaat tcctgcttgg 120

tgttcttaca tctttttcgt catggccacc ttgatttttg gccttt 166

<210> 11504
<211> 385
<212> DNA
<213> Canis familiaris

<400> 11504
tcaagatgaa ggtccgggtt tacatttgtt cactccaagg gagacagcct gcagtgagct 60

gctttctgca tcacagtccc ataatcaaag cctcacctct ctagctgtca gatttttca 120

agaagagaaa gcagaagcct gcagtcctaa ccaagtcctc aatgtgaagg cattaacaga 180

gaacagtgaa cgagcttcta tgcagcacag atctggctgt gggccccaag tatcacacca 240

tgggtgccag cagaccttac attcagtcct gcctcacgcc tcctccagcc ccttcagtca 300

gatgggcgtt gttgatagga agacccttc aagcaccctg gggctggagt ggtttccaga 360

gctctatcct ggttatcttg gacta 385

<210> 11505
<211> 246
<212> DNA
<213> Canis familiaris

<400> 11505
ctgttggagc agaggaaggc ctactgggtg cagacagagg agaagatagg ccccggggag 60

gaaaacaaga cagccccctt gcctcatgag gaggcccatg tgcctgggct gctgccagac 120

cagagcacag gcctctcctc acctttgag gagtccaagg ggccgtcgac cccccaggag 180

gactccaaga cactccgggt cctacgccag atggtcggta acctgtctgg gtcttctggg 240

gatgaa 246

<210> 11506

<211> 577
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<400> 11506
caggatgctg ccatagagaa tgccaaactt cagtgtggga atctggaaac tcaaatcaaa 60

tccttacata cagaaaatgt aaagcttcaa tttgacatag aagcagccca ggaacacttt 120

gaggaatata tgataaaata taatgaatat tatacaaaaa tnaaagcgca taaagatagt 180

ttggtggagg tagaaagcaa atggtcactg atgactgcac tccatgaaaa acgagagctt 240

gttaaaaaac taaaaacaat gaaagaggaa cttatgcaaa atctccaaaa tccagaagga 300

aatcacataa aacaagtaca ggaagacatt acaaagctaa aggatacaat tatcactgta 360

aaagaatcta tcattgaaaa aacttatttt cttgaggaag aaaaaaagac acatgaaaaa 420

ttaagaaaag aaatagaggt gcaacataag agatacagtg caattcttaa gcgtttgcat 480

tgtcaggtga acaagcttca gtcaaataga agacaatggc aatggaacat tcaccaacta 540

gaaaaaactg cagctgaact aaggaaacgc attggaa 577

<210> 11507
<211> 326
<212> DNA
<213> Canis familiaris

<400> 11507
ttatccaacg caaggccatc tcaggctatg ctggcttcgt ccctcagttt gcctgggtga 60

tgggggtcaa ttaccgcgag ggtgtcacac aggctatgga tgaatttgac aagaaccagt 120

tcctcttcag aaaccccatc tgtgccctgg gtgaaaggct gcccagaaca cactggccca 180

gcaacaccat ctatagcagc caaggcctga tccctttcta catggggttc ataccatcca 240

tgcaagacaa ctacgcaatg acatttggca acagtacccg cagggcctat cagaaggaaa 300

tggagaggca acaccagaca ctatga 326

<210> 11508
<211> 247
<212> DNA
<213> Canis familiaris

<400> 11508

tggctagttc tgacgtgaaa ccaaaatcaa taagtcgtgc caaaaaatgg tcagaagaga 60

tagaaaatct gtacagattt cagcaagcag gatatcggga tgaaattgaa tataaacaag 120

tgaaacaagt ttctatggta gatcgttggc cagagacagg atacgtgaag aaactccaga 180

gaagggacaa tactttctat tactacaaca aacagagaga gtgtgacgac aaggaagtcc 240

acaaagt 247

<210> 11509
<211> 417
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (184)..(184)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (386)..(386)
<223> n is a, c, g, or t

<400> 11509
atggctgggc tgccccgcag gattatcaag gaaacccagc gttnactggc agaaccagtt 60

cctggcatta aagcagaacc anatgagagc antgcccgtt attttcatgt ggtcattgct 120

ggcccccagn gttccccctt tgagggaggg acttttaaac nggaactatt ccttccagaa 180

gnanacccga tggcagcccc naaagtacgt ttcatgacca aaatttatca tcctaatgta 240

gacaagttgg gaagaatatg tttagatatt ttgaangata agtggtcccc agcactgcag 300

atctgcacag ttctgctatc gatccaggct ttgttaagtg ctcccaatcc agatgatccg 360

ttagcaaatg atgtagcgga gcagtngaag accaacgaaa cccaagccat agaaaca 417

<210> 11510
<211> 336
<212> DNA
<213> Canis familiaris

<400> 11510
ggactgtgag gcagttactt tccagacttc tatccccaga ccatcaatta ttgaaatgcc 60

agcggaagaa ggatcccagg aggagcctaa atgcctcgag ttggaacaga agatggcatc 120

agacggccca tctgaggata ccgaccttaa ggatacatat ctcatcccaa gaaacatcat 180

ggccgagcca gactacatag aagatgacaa tcctgagcta attaggcctc agaaactagt 240

caatcctgtc aaaacgtccc gcaaccatca ggatcttcac agagaacttc tcatgaatca 300

aaaaaggggt cttgcccctc agaacaagcc ggaact 336

<210> 11511
<211> 350
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<400> 11511
ggagggagcc tatcttaact gccactgtga tgaagaaact attcaccnca atcaagaagc 60

tctgctttct ttctctccaa ctatcctttt tgttttaagt cagcatggca tgcctgggag 120

catgcagtac ctgctaggca aactcctcat gttagccatg agattattat tattcagaag 180

aggaggagac ttctctctac agggccacaa cagtggaaga acagtcagaa gctactggaa 240

gacttggcca gcagtcctga atccttctga agagttcaan caaaaaatat gtgtggtaca 300

tgctctgagg accaagcagg aactctacaa cctgggtttg cctttgtgag 350

<210> 11512
<211> 435
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (346)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<400> 11512
gccattggta taagtcaaga gcatcatctg ctttgggttt tcagtgctga ctaaagacat 60

gtgaataata ggaccttcat tatgggtgac attatgggtg aagaagtaat ggtttacctg 120

aaacattagt attttctaag agttcttttt gatggaatga gattttctca tcaacttatg 180

tttgtctttt tttccttctt ctcaaacttg gctagaagca gaaactatta aaatagtatt 240

gccatgatag atggttttga agccatttct cttaaaataa caaattgtca tttgggaaaa 300

ttctttgtgt ttccaagtaa attgtgaaaa ttcttgattt actggntgaa attctggtta 360

cttggntgtc agtagcaaag tttacatcag gaataaatcc ccactgacat gtgaagcatg 420

aaggttcctc tggct 435

<210> 11513
<211> 367
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (48)..(48)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<400> 11513
gccagagctg aacttgagtc agtctgcnca tgtttntaat atctagcnat gttattcttt 60

cagacncttn ttttagtctt tcttttcagg aaaaaaaaaa ctttcaagtt acctggtctt 120

tggatttaga gtaaaaaaga ggggcatgtt acgtatcaga tttaagagac taataccatt 180

agaagttacc aagttttaat agttggagaa agttttggtt tgtacagaga aaaataatat 240

gcagcagctt tgctgctgtt ggaaaatcag ttattggaat ttccccttaa acagctatac 300

aacaatatta ctggtagttc tataataaaa atgagagtgt gttctgttgt acagagctaa 360

ctgcaat 367

<210> 11514
<211> 150
<212> DNA
<213> Canis familiaris

<400> 11514
catcaagtta aagtgactaa gcaacatcaa aagccatagg ttggagaaag actattaacc 60

aagacattca ccattaagtg atctgatttt ataatgaaaa aaatctgcta ttctctcctt 120

ttgttatggc ttaaagcttt caatttcaca 150

<210> 11515
<211> 174

<212> DNA
<213> Canis familiaris

<400> 11515
gatcccgatc acaggtaaag ttacggtcat cagtgagttt caaatgggat tcaaccttat 60

catgtaacca gaaccttgta ggttagtggt ttgtggactc cactaagagc aaggatattc 120

aacagctacg cactgaagca ggcgattaat cctaagagcc aaatgtgcaa gctt 174

<210> 11516
<211> 251
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<400> 11516
gaatccccaa atctcggagc ctggatttgc agaatctttg atcttgcctc cgccctctga 60

gcccctgctg ccccttttctg gggggggtaca ataggcagtt ccttccaagg agatgtcgat 120

tccattctcc aacacccact accgaattcc acaaggattt ggcaatcttc ttgaaggact 180

gngacgggag attctgaggg agcaaccaga aaatatacca gcttttgcag cagcatattt 240

tgaaaatctt c 251

<210> 11517
<211> 391
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<400> 11517
ggagcaagaa tcacctgaga attgtgagtc agaaaaagaa aaatctcccc catctgtgaa 60

agaggatgag acnccagtca cagcctttga atcttctgaa gaagaaaaac aaagagagga 120

ggatgctgct ctcaaaatcc aagcagcctt ccggggacac ttagccagag aggaggtgaa 180

gaaaatgaag tcaggtgatg ctgaaggaga gaaaagagag ggaaatgagt gagaagactg 240

gttttactcc cccgctcccc agaaaaacat gaaaaaatca tccagatcca tcagcctcgc 300

tgtgattgtt gtttttttct tagtaaggga gatgtgatgt agtgaaataa catttgttgc 360

tgttgtgaaa atctgtcatg agcatttgtt t 391

<210> 11518
<211> 184
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<400> 11518
ttgatttgaa acatcaggct gcatcaacag actcaccaga cccagttttt cctcagtgca 60

gtgtgtgtgt ataccactta tggggtaaac agagttattt atcaacgtta ctacttcagt 120

atttcnactt ctattttata cagtaatatt cttaaactag ctaaaacttc aaatgtatac 180

ctta 184

<210> 11519
<211> 207
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<400> 11519
gagatctggt ggtgaatgtc ctgctgaccc ccttccatgt gaggagctat gtgacaggga 60

tgagtcctgt ccccagggcn aaaaatgctg tagcaccggc tgtgggcacg cctgccgtgg 120

agacattaag ggcggggtgg tgattgtcca aacattttgg tgggcctgtg cattgttggc 180

tgcatgatgg atgagaactg ccaggct 207

<210> 11520
<211> 301
<212> DNA
<213> Canis familiaris

<400> 11520
gagagctcca atcagactca agcccatctt gtaacaactg agctgcagtt ccctgtgagc 60

tatgtggacc gcctcctgca ggaagatcag cgcacccact gcctaagttc aacatctact 120

gaattcctcc ttgccatgct cgactccctc accgactaca tcctggagcg tgtaggcact 180

gaggccaata acaacaacat gcagactgcc ccacaagatg tggagagagc agtgggcagc 240

aacagagagc cccaacaatg cctgaaggat acagccttca ctctgtttga tgagatgcct 300

a 301

<210> 11521
<211> 105
<212> DNA
<213> Canis familiaris

<400> 11521
gatccaggag aaatggctaa agcctgggtc ctagacttgt gggagtcctc acagccttag 60

tctaagccaa gacttcttat aactgagaag tctggcttct gtcat 105

<210> 11522
<211> 268
<212> DNA
<213> Canis familiaris

<400> 11522
aagggccatt cccatcagat gttgagcagc aggctaatgg atccccagca gggtgcaaag 60

acagcagaaa gcacaggaat cagatgtcaa tgtgttcctt caagataccc tgctaggaca 120

gagctaacta accgggcttt agtcttctct tggggcacac gctctgatgg ttcgcggccc 180

actctggact tcctatacgc ttcctgatta aaatgctgtc acagataaat catgacttct 240

gcctgttagg accatttact gttctctt 268

<210> 11523
<211> 90
<212> DNA
<213> Canis familiaris

<400> 11523
gaggagattc agttccttaa gcggacgaat cagcagctga agcccaactg gaaggcatta 60

ttgcaccaaa gaagtgatcg tttccacatg 90

<210> 11524
<211> 441
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (65)..(65)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(129)
<223> n is a, c, g, or t

<400> 11524
gccctgcttt atgtgatgat tctcatcgcc aagtccccgc tggctccctt cacctcattt 60

gcctncacca tcaagaagga aggcctggtt ctacaaggcc aacagaggcc gtagctatgg 120

actctatgnc cattgtctag agctgctggg ggcacaattt gtgaaatgaa acaggatggt 180

gctacttgga agaaggaaac ggaagccaac ataatgggga ttaattagtt gattgatgtt 240

gagatggtaa cagatttgcc cccataccat ttagccagcc atctcagacc tagcagggaa 300

ggtgaggatg aagaagcctt tgttcaggtc tgtagatgcg tggggctgaa ggctttgcca 360

ccatgggatg tcaacagcca taataataat aatttgcact tatatagcac ctttcaactg 420

ggcacctcaa agcggtttag c 441

<210> 11525
<211> 435
<212> DNA
<213> Canis familiaris

<400> 11525
gtggacagtc atagcaccca tgagaagcag gaggagtgga ataggtgtaa ttgcttatgg 60

agaacatgta tatgcggtag gtggctttga tggagcaaat cgacttagga gtgcagaagc 120

ctacagccca gtggctaata cttggcgcac aatccccact atgtttaatc ctcgtagcaa 180

ttttggcatc gaggtggtag acgacctctt gtttgtggtg ggcggcttta atggcttcac 240

taccaccttt aacgtggagt gctatgacga aaagacggac gagtggtatg acgcccatga 300

catgagcatc taccgcagcg ctctgagctg ctgtgtggtg ccagggctgg ccaacgtcgg 360

ggaatatgca gctagacggg acaacttcac aggattagca ctgcgagatg aagtaaagta 420

ctccgcttcg acaag 435

<210> 11526
<211> 364
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<400> 11526
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tcagttatct tgcttgttgg tgcttgctca ggagctaagc agtgaaaatc ctttcatcct 120

tgtatactaa gaatgtcttt gtgcaggatc tacaggataa atctctaaaa attggattgc 180

tgggtcaaag gaaaagcata cttaaaattg taaaatgcgt ttncaaattc ccattcaaaa 240

gactattcta atccacactg ctaccagcca tttttctacc cccttaccaa cagtgaattc 300

tacgaatctc taactttggt tgacctgata gataaaaaaa tggtgtctct ttatcttgat 360

tttg 364

<210> 11527
<211> 546
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (310)..(310)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (425)..(425)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (493)..(493)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (510)..(510)
<223> n is a, c, g, or t

<400> 11527
caagccatcc gtgcttcatg tggatgccng tctgctggag aagattttcg gaccaagcag 60

agccctcgtc ccggggtncg aacgggagtt caaggtnntg ctncagatga gagagccnaa 120

ctccgagggc aaggttgaga tcctcatcat ggggaggcgc cggtaccgga agcgtgccaa 180

aaggctgatt cgcatcttgg cggcgaagcc ccgagggaaa cgctatggag gcacaatgat 240

gttcagccta gaaaccatga agtcttttga aagagaaaat gttcattctg atgatttcct 300

ctccaccgcn atgatgagta gcctggatga agccatgcag tccctggaaa taggtcagga 360

gactgtccag gaacctgtta ccaaaacagt gtaatttttg tgattaggaa cccagtgcag 420

ggggnacggt ttgggtcagg agccttaccc tcagaggccc ggtctgaact ctgcctttgt 480

tcctgtggct aangagaaac aagtattgtn ggtggtctat ccaccttcct ccttcataga 540

tagttg 546

<210> 11528
<211> 170
<212> DNA
<213> Canis familiaris

<400> 11528
gttttaggcc aatgggatgc cacctatgga aatccaaatc ttccaggaga aactactgca 60

ctaaacacaa caggaacctc aaagtcaaga tccatgagaa tatctgttac acaactttcc 120

ctacccagtt tagcaaaaca cctgtttcgg gcaacaatac atctcaaaag 170

<210> 11529
<211> 129
<212> DNA
<213> Canis familiaris

<400> 11529
ggaaaatgct atacaggagt cctttgtggt ttggggtgga atccaactac aggggctcct 60

atactgccag agcacgacat cgagctagcg tttgacgttc agttcaacgt ggaggatatt 120

gtagagatt 129

<210> 11530
<211> 233
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (97)..(97)
<223> n is a, c, g, or t

<400> 11530
ccaggcctag ggtgagaagt ctcaattctg aaagcctgag aggacaggag aatccctggg 60

attgtttcga tttcatcata tttatgatcc atatccntgc taagaactac ttttggccaa 120

acgtgaactt gtacgattga ttttctactc agatgcttcg aattccagag atccagtgat 180

cctcgtagct cctttgggat attcagtatg ggaggaaccc atgatttcca gag 233

<210> 11531
<211> 123
<212> DNA
<213> Canis familiaris

<400> 11531
atgaagtgct atataatgaa tgaaatttaa atagtgatga aggaagttta aatagtataa 60

tttaaagcat tttcctctta ttgtttaaat gatcatctcc atggttgtag ctactgaggt 120

ttt 123

<210> 11532
<211> 377
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (351)..(351)
<223> n is a, c, g, or t

<400> 11532
tattccagaa aaaagcactc tccagnnaag ctcattatac cagttaaagc ttaaggaaaa 60

agataattct ntaagaatta tatctgcagt tattgaaagc atgaagtact ggcgtgaaca 120

tgcacagaaa actgtacttc tttttgaaat attggctgtt ctcgattcag ccgttacacc 180

tggtccatat tattcgaaga atttccttat gcgagatggg aaaaatactc tgtcttgtgt 240

attttatgaa atagatcgcg aacttccaag actgattaga ggccgagttc ataggtgtgt 300

tggaaactat gaccagaaaa agaatatttt caaatgtgtt tctgtcagac nagcgtctgt 360

ttctgaacaa aaatctt 377

<210> 11533
<211> 318
<212> DNA
<213> Canis familiaris

<400> 11533
tcatggcaga agtttgtagg gcaattaaac aactggatta tgaatggaag gttgtaaacc 60

cttattattt gcgtgttcga aggaagaatc ctgtgacaag cacctactcc aaaatgagtc 120

tacagttata ccaagtggat agtagaacgt acttactgga tttccgtagt atcgatgatg 180

aaattactga agccaaatca gggactgcta ctccacagag atcgggatca gttagcaact 240

atcgatcttg ccaaaggaat gattcagatg ctgaggctca aggaaaatcc tcagaagctt 300

ctcttacctc atctgtga 318

<210> 11534
<211> 77
<212> DNA
<213> Canis familiaris

<400> 11534
agaaaagcct tcacaaattt gaagaagtga gtcctcaaac caacgcatct tcctagaagc 60

aatggaaacc cttccaa 77

<210> 11535
<211> 248
<212> DNA
<213> Canis familiaris

<400> 11535
ctgagacttg gtggctgttt gtccagcagt cagcatggat caccgaagcc gacctcgggg 60

cataggcctg aaccgaatcc ccgggactcg aacctgtcga accccactcc ccttccatgt 120

ggaacaacag gaagcccggg aaggagaaga attcgaacaa cgggaagtac ctcgtcagag 180

aactcctgtc tacgtgcccc cggaaagtga agagctgaca gacaatgtta tggtttccaa 240

gccagcgc 248

<210> 11536
<211> 226
<212> DNA
<213> Canis familiaris

<400> 11536
agggttctag ggtgcctcta agttgaattt tgttcccctc atcttcaaat attgttatga 60

ttcttgaatt gactggtttt gaacctaagt taaccatcct tttcggatgc tgacaaaaga 120

gtcttgtata ccatcttttc acaatccctg tttctgactc ttaagaaaac taggccgccc 180

tttgaaccat ttgatgaatt tgaatgtctg ttatttattt ccaacc 226

<210> 11537
<211> 331
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (56)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (66)..(66)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (75)..(76)
<223> n is a, c, g, or t

<400> 11537
ccggcagcgg gtactgttac ttgtggacgc cttttattta catcgagttt tttagnntnn 60

acacanannn gnncnntgat cctaagagcc tccccaaagt ccagcacaga ggatacaatt 120

aaatacagca actatattga ggaagagtct gaaacagacg gggcagaatg tacaaggaaa 180

acgagagcaa ttcctacaaa aggcctaact tgggtagaat gtgaaaacct gcatcaatcc 240

attgtggagg ctctaggcgt gaaaggtgaa acgaagtggg atcacttgca tcaaggaatg 300

ttcaaactga gccaggagga ctataaagct g 331

<210> 11538
<211> 73
<212> DNA
<213> Canis familiaris

<400> 11538
gccatggcag gaattctaga tcatgtgaca caacctgtgc ctatgtccag cctcacaatt 60

aaacctaaat aga 73

<210> 11539
<211> 287
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (128)..(128)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<400> 11539
aatggcaaat gatcctaatt acttgcacag aatgccnctt tattctgcat taatgcgctg 60

tctgaagcct gtgggcagga aatcnccact aagcagatgt tgcctatcgt gttgaaaatg 120

gcaggagncc aagtagcgaa tgtccgtttc aatgtggcca aatctcttca gaaaattgga 180

ccaattctag atactgatnc tctgcaggag gaagtgaagc cagtgctaca gaagttaggt 240

caagatgagg acatggatgt caaatacttt gcacaggaag ccataag 287

<210> 11540
<211> 271
<212> DNA
<213> Canis familiaris

<400> 11540
atctcggagt tcgacgccaa agtcagcgag ctgcaggccc agcttgaaag actgagaaac 60

aagatcatcc aggctacctt cagcacctcc gggggcaagt cctttgccac tgagatctcg 120

gacaacgaca ttctagaagc cttgcagagg atcattacag aaagagccga ctactataat 180

cagctgaaac agaaaggtgt ccgagtgcct ccgctgcagc aggccgaggc tttatcttcc 240

tcaagcaagt ccaagaagct accctccaag t 271

<210> 11541
<211> 348
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<400> 11541
ccggatgaca gatacccagg accaaggggc cagaatgagc tctatgaaag tcttcattca 60

aacatggcag cattgtaagc aaggatttaa gaagtgcagc ttaattgtcg aagcaagcag 120

tcttgtcaac acaaatacac actttgaagt tggcaccatc attagaaaca acctgtgcgg 180

caacggtgcc cagaatcaac atgcaagaag cagcggaagc cccctgacat ttggcagttt 240

aaggaggttt gctcatgggg tttgtgttag gatgaggacg gccntgtgca cgtccacctc 300

ggcagaacgc agcaggtccc aacttcttag ctggatggtg gctccgaa 348

<210> 11542
<211> 356
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (83)..(83)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (244)..(244)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (314)..(314)
<223> n is a, c, g, or t

<400> 11542
agtccctaat gcagatgcca tggccccctg aagaagaaga aacgataaga acgtgtgtgg 60

aatccaatcc aaaggttggc ganttaggcc tcctatccca ttagaggnca gttnttnaaa 120

ctaaaaactg agaactgctc gaaggcaaaa aacaaaactg aagcggcttc agacagtgca 180

gccaagctag tcctgggggg ccgggctgcc nccccgaggt cccagaggaa ggggcaagtg 240

gccncccgca gcctcaggtg acaatccagg agcaaaggcc tctggcccaa ggcccagggc 300

gcacggccct gggntccgtg ttacaaaggg cttgcacact tcactcatct tgactg 356

<210> 11543
<211> 273
<212> DNA
<213> Canis familiaris

<400> 11543
tcctgcaaca tctgttctgc aatgtggaat gacctgtgaa aacactgtca catatcagtt 60

ctaggtagga ctgctgggaa ccccccacct cacagatgaa gacaccgcag tctgacgaga 120

atcaactata gtacatcaca ggggccgaaa cacaccctct ccggatccaa tacacacctg 180

agaagcaaac caccccacac ttcacagtaa ctcagtccgc agtgaggctt gctagcaagt 240

tctgacacag ctgccagaga caagaacctc atg 273

<210> 11544
<211> 433
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (223)..(230)
<223> n is a, c, g, or t

<400> 11544
ggacaaaaca actaccaacc tgcaaggatg tttccacctg aacaactcag gagctttttc 60

ctctgcgccc tcatctatct tgctcatatt tcattatttg gcgaaattgt actctcctac 120

taggctatga gctcctcaag atttttcatt tttaatttcc cagtgacaag gacagtgcaa 180

atagaatgtt aaataaatat ctggcatgtg ggtttttag tgnnnnnnnn ctgtctttgg 240

attgtgtcca gttcatcatt tttggtaatg gtgtggatga attttagagg tgacatgagg 300

tcgaaaaaca gaactacatt ggaagaatgt acttgaaaat gtattggtag cttggaacaa 360

agggccaaat tcaacaagat gatggaataa gagaataaaa tcctgtattt gggcctccag 420

aataactaca aag 433

<210> 11545
<211> 317
<212> DNA
<213> Canis familiaris

<400> 11545
gactgagaac agcttccgtg aagaaaaaaa ctttttgcc acatgccatc aactcctgta 60

tttttgcctg agatgagcac aacttctaaa tccagagaaa tctctcccca gaggtctgca 120

aggtgaaaca ctttaactat caatgtgctt gatgttttac cttcctctat agcaaaactc 180

ttcaaagatg atgcctgcca taaaacacag cgggcactca gtatctgggg aatgaatgga 240

tgtataggtc tgtgaagatg aaaggcggga cagggaggct aagtgatgta gtagagtctt 300

cttttactgg tattcaa 317

<210> 11546
<211> 161
<212> DNA

<213> Canis familiaris

<400> 11546
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tcaccccgcc cagggcctgg tgcagtggtc cccaaactcc acttctgggt tggggctgag 120

gctagacagg agccccattc acctggagac gccacaggcc a 161

<210> 11547
<211> 40
<212> DNA
<213> Canis familiaris

<400> 11547
atacactttc tatggcgttc accaattgat tttatttctt 40

<210> 11548
<211> 285
<212> DNA
<213> Canis familiaris

<400> 11548
gagctagaca atatttccca tcttttaagg aaaatatcaa ctgatatcaa tgaaattaag 60

ggaatgaaag cagcaatttt gacagtggaa gcaaatcttt ttgatttaaa tgttagagtg 120

tcacagaatg aagcaaaaat ttcatctctg gaggataaaa tgaatgaatg ttcaacatca 180

tctgaatgca ataaacaatt tgaagatctt caagaggaag tagattttga atcacagtca 240

aggactcctg atgtaaaaat gatcagcttc cttagaaaca ttgag 285

<210> 11549
<211> 118
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<400> 11549
atgccaagga cgaggcgtac tgagcatcgg ggcacccagg tcctcaggac tcctgtgtcc 60

ttggcagccc ccagcacaca ccntgtgtac cagagcatgt attaaagttc gacgttgc 118

<210> 11550
<211> 298
<212> DNA
<213> Canis familiaris

<400> 11550
tgtcccaggc cctgcagact gtgcaggagg ctgtggggct tccaaggcgt ctgttcccca 60

gaccaccagc agtaataatc aaatcacaaa gacccaggcc acagtctcca ctgagtccta 120

tcccagcctc aagtgctatg accagtgtaa agcgtgtatc aactacaatc ccccgccacc 180

gtgctactat gatataaacg agggactctg acttgggtgg acacaaatat cttcatgtgc 240

agtatttctt ttccagtaga atttattatt gaagtcaggg tcaagtagtg tttacatc 298

<210> 11551
<211> 230
<212> DNA
<213> Canis familiaris

<400> 11551
cacattacga ggatgcagac ttgagggccc ggacaaaaat agtttattcc acatatagtc 60

gaaaatctgc aaaagaagtg agagataaat tgttggagtt acatgtgaat tactatgttt 120

tagaagaggc gtggtgtgtt gtgagaacta agcctggttg cagtatgctg gaaatttggg 180

atgtagaaga cccttccaat acagcgaacc ctcccttatg tagcatcttg 230

<210> 11552
<211> 453
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (42)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (97)..(97)

<223> n is a, c, g, or t

<400> 11552
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gatggccagc gtcaagctgt ctacccttca ccccatngtg aatcacccac attacgagga 120

tgcagacttg agggcccgga caaaaatagt ttattccaca tatagtcgaa aatctgcaaa 180

agaagtgaga gataaattgt tggagttaca tgtgaattac tatgttttag aagaggcgtg 240

gtgtgttgtg agaactaagc ctggttgcag tatgctggaa atttgggatg tagaagaccc 300

ttccaataca gcgaaccctc ccttatgtag catcttgctc aaagatgcga ggccttactt 360

caccacagta tttcagaata gtatgtacag agtattaaag gttaactgag aacgagacaa 420

cccatcacac tctgatgcaa acaagtgtgt aga 453

<210> 11553
<211> 59
<212> DNA
<213> Canis familiaris

<400> 11553
tttcaccctt acatctcact gcccttcagc atataccatg atcacgaggc aggggctta 59

<210> 11554
<211> 407
<212> DNA
<213> Canis familiaris

<400> 11554
tgacgccttc actccctgga atgtgcaggg aggtgctcat gaagacgttt gcaggttttc 60

caggcattgc tcccaaaata gaattttcta caaggacagc catcagagaa tgtgtgtttc 120

tgcaaagaaa cagatttcct gaagacagac ataagtcaag gaggccttta tctacaacac 180

agggcccaaa actcccctta ataatgcga agatgaagcc aaaggagaat aatctcaaca 240

gactgcccca aaacacgcaa tcccgtgcac cttctccctg ttccaccagg cgcatctttc 300

aggaccagcc agctcaacag aaccctggaa ataacctcag aatctctggg ggaagcaagc 360

ctccatttgt agttagacat gtggacagtg ccaagccttt tggtgag 407

<210> 11555
<211> 195
<212> DNA
<213> Canis familiaris

<400> 11555
cagagatatt tttaagctgc tgtcttatgg gaatctgaag gaaagctgga ggaacatctt 60

gaagatctct ctcaaggagc caacccccac atccttagag aaatgaacaa ccatttttgt 120

tatgtgtatc aaatcaccag ggtctcaccc ctttcaaatc aaaccctgta ctcagtcttt 180

tgtggccagg taaga 195

<210> 11556
<211> 371
<212> DNA
<213> Canis familiaris

<400> 11556
aacgccatct ctgttttgtc ggctagggtt cacagcacta atggacaggt gcagcctgag 60

ctgcaagtcg gaacgtgaca tggacaaact ggcccgcatc ttcagctgtt acattagtga 120

catcgtggag cgtgagtgac cactgtaggg aagccaggag gcgtggtgcc gggcttcccc 180

gagcgagcga gcgtctgtaa caacaggagg aggcctgggc tacttgaaaa gatactaaag 240

ggttacgcct tcagtgttac tcatcttttg tttcttttat ttcttcttac tgctaccaac 300

aggctaggtt tttgtttttg ttttgtttgc ctgtatctgc cattctatct ggtctcacat 360

cctgaagtgg a 371

<210> 11557
<211> 362
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<400> 11557
aaagttggcc tttcttggag aactgatgtt ttcagtggct gcataaagag ttgttctata 60

atggacataa ctcttttgga cgaatatggg aaacccttttt ggtgtctcag ttcccctgtt 120

tgcatgagat cttctgtgcc ctctgatggc cctaacttct tgggacagac ttactgtgtt 180

gactatgtgg actcggaagg cnaaagtgca cgtggagctg gtgtggatca aagagacaga 240

agaatacttc atcgtgagcc tggtccttta cctgaagata gcaaaaataa accactggtt 300

tgggacagca tactaagtat tgcctggggg tggcaaaata ttgctgctgt ttgtttattt 360

tg 362

<210> 11558

<211> 473
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<400> 11558
tggctaccag ctgcatgttg atatgcacag cggtggagtt ttctacctgt gtggtacatt 60

tcgcaatctc tttaccaaga aaggatccat tgaaaatgga tatgtgaagc ttgttgttat 120

acgttttaaa aataacacag aacacctacc tcttattgga aaagttggcc tttcttggag 180

aactgatgtt ttcagtggct gcataaagag ttgttctata atggacataa ctcttttgga 240

cgaatatggg aaacccttt ggtgtctcag ttcccctgtt tgcatgagat cttctgtgcc 300

ctctgatggc cctaacttct tgggacagac ttactgtgtt gactatgtgg actcggaagg 360

cnaaagtgca cgtggagctg gtgtggatca aagagacaga agaatacttc atcgtgagcc 420

tggtccttta cctgaagata gcaaaaataa accactggtt tgggacagca tac 473

<210> 11559
<211> 469
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<400> 11559
taaggactcc taacgctctg cggacactgc ccggcgaata ctgtctcgtc tccgcagtgt 60

gatgttgaca taaatcctaa agnccaacag cacttgggct ccgaacagca actgctcagc 120

gagcactcag gaagacttgc aaatgtttga ggaaaaaaga gggaaatccc agcacattat 180

ccagtcacct gttaaggccc ttttcagcaa tggtagtgaa tgccagaagg acctacacaa 240

cagggtacag ggaaggccat cctagagact ccacacagct cccccacatc aggagcctcc 300

gtaaagctta ggaaacagaa agagaggcta aatgcagcag caacatgaaa atagtttaaa 360

atgaacaatg tgcacaccta ggaccaatcc agatgctcca cacattcacg taagtgtaca 420

tgtgaatgat gaagagggca ttggagttct tgcaagctgg aaaccccat 469

<210> 11560
<211> 307
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(195)
<223> n is a, c, g, or t

<400> 11560
gcagcccggg ctaccacaga atccgnagaa gccggggccg cgtggaccag tcagcaggag 60

cgcttcagga ggaagggccc ccgtgagttg gttagctcag tctctcctgg tgtccgagga 120

gctgcccccg gtctatgaac aatctacgtg ggacgcggaa gagttaggcc cctttctacg 180

cttgtgcctc atnnntcaga atttccccgc atttgtggaa gaggtggaaa aggaactcag 240

aaagctgaca gggttgagaa attaacactc catgtacata cagaactaag gaatttgaaa 300

gcactga 307

<210> 11561
<211> 226
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<400> 11561
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gtgactngca agggggcctc aggctccttc cgcatgggca agaagtttgc ctccaagttc 120

aagttcagga cccagagaca gcgccagtct gggcagcgcc ggtctgggca gcgccggcct 180

gggcagcacc ggcctgggca gcgcaggttg ctagcgggct cccaaa 226

<210> 11562
<211> 97
<212> DNA
<213> Canis familiaris

<400> 11562

ccaccgcaat taacagggca ggccaggcaa ggaggaggca gggtgccagg cccgccacag 60

gctcagtgcg gtgagaataa aaggagccta acttatc 97

<210> 11563
<211> 351
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (326)..(326)
<223> n is a, c, g, or t

<400> 11563
tccgactatc ctcagcgtct ttactcttcn tggcaccagc tgccccctttt cagtgtctca 60

ggtaccaaga ggctgttgcc aagctccacc tgccccaggt gacaaggaaa cctctgggca 120

cgtcccggcc ttgtactcat gcaggacttg gggagtgcag gctctgggtc agttctgttc 180

agggcctgan gtcgccacca ccccccatcc cggtgctgcc agaaaggccc tgctcccttg 240

tctccacacc atgagagtgg cctcaccttg ctgccccagc cagggaagtg ggcaaanggc 300

aggggccctg cacctcagag cttgtncctg gtggcatgtg actgtcaata a 351

<210> 11564
<211> 440
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<400> 11564
aactgagcag ctgcaacatg gcaaaagtgg cggagaaatc atgggcgccn cganccnagg 60

ancnccaagc ggtggaagaa gaggaagagc ccctctcggt ccagatcaag gggcgctaaa 120

aaggtgctaa agatctacaa gaaggtaaaa agatcacttc atgcaaattc aagaaagaaa 180

cactctccta aagtcacgac cacttcaaga agaaagaaga gagcaagaag ggccagcaag 240

tttcagccat tgctgtagac taagagccac aagcagccag gcccagaccc agtggaccct 300

gcaagctaca ccactcccag acaagaccat gcagcagtac ctacagagca ggcttcagag 360

acctcggaca gtcttcatct agagacctgg ctgcggagaa atggccaact gcgtagagac 420

cgactcagac cttaatgtgg 440

<210> 11565
<211> 210
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<400> 11565
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gttaaaccaa acncaacaaa gcaagttccg tcttcagaat ggagatggaa gaatgactgg 120

aagccggacc ctgatcccag cagtagaaga cggaaggcgg gaagtgtgcc cttgcaggaa 180

gaggggctg gcccaagaag gactctctag 210

<210> 11566
<211> 219
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (96)..(96)
<223> n is a, c, g, or t

<400> 11566
ttctgcctcc ttcaagaggg agggtgaggg caagtatcgg acggagtgca aactggncac 60

ccggccaggc tcgcgggccg agcaccgggc cgnccncaag ctgggagcca aaacccagcc 120

ccggctgttg gtggtgcccg agaacgagga caggatggag gacaggctgg ccgagacctc 180

caaggccaaa gatcatcacg tcaccggagc cgaggtggg 219

<210> 11567
<211> 88
<212> DNA
<213> Canis familiaris

<400> 11567
gcggtgcatg gtgtgcgccc acataaacta aatagacagg taggagctgc agaaggcaca 60

ggtgcaagga acaagtaaaa tccgtcaa 88

<210> 11568
<211> 521
<212> DNA
<213> Canis familiaris

<400> 11568
gaatgcatca tatatccatg ttcagagaga tgttatcagg actgtctcac tgagtgcacc 60

tccccgcagc aggcccacaa atgggtccta caataaagtt gatgttaaca aggaacccaa 120

actcaacctc tgtccagata aatatatgtc aacatcatat aatggttcag cctggcgaaa 180

aagaattcct ttttcaaaaa catattcaaa aactgaaaag atatatgcag agccaagaag 240

aaatgggagc aagtaaatct ggaggttgag agaagagaaa aatgagaaaa gagaaaagtg 300

ccagatatcc tctgatttac aatcaaaaat gaaaattcaa agaatgagat attcaagtac 360

tccatactat atactgggta gccaaagatg ataaaatgca aattctgaaa ataagatgca 420

ggaagtacat tgtgctcttt caaaactgat aaaaatgcaa attacaaaca gctgcctgtg 480

tatttatata ggtctggaat tcattcgatg cattgccaca a 521

<210> 11569
<211> 271
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<400> 11569
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ccagccaaga aggaaaaccg tgtccctaaa gaagtcattg nccatgcggc caaggagggn 120

cctaaaagcc aaggctgctg ctcctccgaa tggtggcagg tctaagatgc tgcctgaaca 180

cctggccagg aagacagagg cccccagggg ccctaggagg actggcatgc ccaccaagtc 240

ctcctcatcc aaactggcca gtaggaaggc a 271

<210> 11570
<211> 460
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (85)..(85)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (199)..(199)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<400> 11570
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gctcctccca aaccaggtgg tgagncccnc aggaaaacaa agctgggagt cggaattcaa 120

aatcccccat ccccaagggc acgaatggtg ctgcttcccc agccaagaag gaaaaccgtg 180

tccctaaaga agtcattgnc catgcggcca aggagggncc taaaagccaa ggctgctgct 240

cctccgaatg gtggcaggtc taagatgctg cctgaacacc tggccaggaa gacagaggcc 300

cccaggggcc ctaggaggac tggcatgccc accaagtcct cctcatccaa actggccagt 360

aggaaggcag agactgagag ctagagctgg ggtggagaca ctgaggttct gcctgagttt 420

ttattcccca acaaactgtc actctattta tttcattgta 460

<210> 11571
<211> 70
<212> DNA
<213> Canis familiaris

<400> 11571
tctacaccaa cgtcagtagg cacttcaagt ggatcaggac gctcatggcc cgcaacagca 60

ttcagaggcc 70

<210> 11572
<211> 400
<212> DNA
<213> Canis familiaris

<400> 11572
ccggcggcct ggtcaacttg caggacggct ccctggaggc cgggctgagg cgcgagctga 60

gcgaggagct gggcgaggcg gcggcccccg tgcccctgga gcgcgccgtg taccgcagct 120

cgcacgccgc gcccgggccg cgggtggtcg cccacttcta cgccaagcag ctgacgctcg 180

agcagctgct ggcggtggag aagggcgccc cgcgcgccaa ggaccacggg ctggaggtgc 240

taggcctggt acgggtgccc ctgtataccc tgcgggatgg tgtgggaggc ctgcctgcct 300

tcctggaaaa ttcctttatt ggagctgcaa aggagcagct gctggaagcc cttcaggatt 360

tagaactggt ggaacctggt tctcttacag cccataagat 400

<210> 11573
<211> 145
<212> DNA
<213> Canis familiaris

<400> 11573
gggtcagaca ccgtgggagt catcataggt gggccggctg ggagcttctg tggaagctct 60

ggaactttcc ccagctgagt ggagagccca acccccttca tgtgcaattg ccttgaactg 120

tgacctgcag agagctctct cgtgg 145

<210> 11574
<211> 544
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (154)..(154)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (197)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (202)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (487)..(487)
<223> n is a, c, g, or t

<400> 11574
tacgcgtacc tgtctatggc ctattacttc tcccgagagg acgtggcgct caacaacttc 60

gccaggtact tccttcgcca ggcccgggag gaggcccagc acgccgagaa gctgatgcgc 120

ctgcagaacc agcgggggggg ccggatctgc ctgngggacg tcaagaaacc ggnccgggac 180

gactgggaga gcggccnnan gnnnatggag tgtgcgctgc tcttggaaaa gaatgtgaac 240

cagtcgttgc tcgaattgca cactctggcc tcagaccaag gcgaccccca tttgtgcgac 300

ttcctggaga cgcactatct gaatgagcag gtgaagtcta tcaaagaact gggtgatcac 360

gtgcaaaacc tggttaagat gggggccccg gattncggcc tggccgagta cctctttgac 420

aagcacagcc ttggaaacga aaacaatcag aactaagcca caggctgccc tcctcgctgc 480

ccagggnggg ccaagaccca gagtctgcag actcctgctt ccttgccctt aaaatgaacc 540

tcta 544

<210> 11575
<211> 397
<212> DNA
<213> Canis familiaris

<400> 11575
gacaaccatc cagagttttc aaagggtcca gggatttaag aagatggttg acaggtggcg 60

aaattcacat actcgctgta tgtggcagat gacactgagc cagaggagaa acctgtatgc 120

taccctaagg atgcaggaca ccatgggaca ggagttggca ctagccaaca agcagctact 180

gatggtccgt caagcggccc tgcaccagct gtttgcaaag gagcatcggc agtacaagca 240

ggagctaagt cagatgggca aagcatttta tgtggagaga ctctgatggc agctgagaca 300

aagctggctc tcaaaggctc gactgtagac atacgctcgt tcttcagccc taaatcttca 360

ttgtttggac aatgtttatt catagctgta accttaa 397

<210> 11576
<211> 297
<212> DNA
<213> Canis familiaris

<400> 11576
agagcttgcc aagtaaaagg acttttaag atttttata agtcggtgta ttaaaccttg 60

ggagttgaag gcgggggagg ggaggtaaca gctgatactt gaacaatgat gatgacaagg 120

gttcaaaaga atgactctgg tgacttagca aagatgtaag aaaagaagag tagacgggtc 180

catgatggga attgtgagat tctcaaaaga caatgtaatg atgtcgattg gcaaggttgt 240

tgtgggttta tagcaggagt gccaacatga tagataatgt ggctttaatg agggaaa 297

<210> 11577
<211> 80
<212> DNA
<213> Canis familiaris

<400> 11577
gatgattttg taaaccgtag gagcccatga cttagtggaa atccgtactc cagccaggca 60

gctcttccag tgtttctctc 80

<210> 11578
<211> 564
<212> DNA
<213> Canis familiaris

<400> 11578
gacagtgggt cattctgcca ggaatccctt ctgatgatta aatcaggggc caagacagcc 60

attttggcca ctaagggctg catctcggag gggacacagg cgataacata catccagcac 120

tccccaccgc caggcatcat cacagtctcc tacagcagct actgtgagga gtccttatgc 180

aatagcaagg agaacttact gcaactgtgg agggaggaag agccccaagc tgccagcacg 240

tcagcacacc tctactgccc aacctgtgtg gctctggggg cctgttcaaa tgctccttct 300

cttccctgtc ccaatgatac agttcagtgc tatcaaggaa gacttcagat cactggagga 360

ggcatcaact ccctttgga ggtcaaaggc tgcacttcta taactggttg caggctgatg 420

tccgggatct ttacagtagg gcccatatgg gtggaggaag tctgtccata ccggtctgta 480

cttcaacccc gaaagattga aaaccgggct gcctggcttc ctgtttacat ttggagatta 540

gagctagcgc tgctgctatt acta 564

<210> 11579
<211> 468
<212> DNA
<213> Canis familiaris

<400> 11579
gatcttcagc cagatgtaaa ccagaatgca caaaagatca atgaacttga agctgctctt 60

cagaagaaag atgaagatat gaaagcaatg gaggaaagat ataaaatgta cttggaaaaa 120

gcaagaaatg taataaaaac tttagatccc aaattaaatc cagcatcagc tgaaataatg 180

ctacttagaa agcagttggc agagaaagat agaagaattg agattctgga gagtgaatgt 240

aaagtagcaa aattccgtga ttatgaagaa aaactcattg tttctgcctg gtacaataag 300

agtctagcat tccagaaact ggggatggaa tctagacttg tgagcggcag tggtgcatgc 360

aaagacactg gtgcctgtac tcctgcacgg tctttcttag cacagcaacg gcatatcacc 420

aacaccagaa gaaatctctc tgttaaagtt cctgctataa cacctgat 468

<210> 11580
<211> 176
<212> DNA
<213> Canis familiaris

<400> 11580
ggcacttctg gccagaaact cttgctgcat ttacaggcta ttcattaaat gaaattgtgc 60

cttgcctgag tgagttacat aaagcatgcc ttgatatacc ccatcgacct cagcaagcaa 120

ttagggagaa gtataaggct tcaaagtaca tgcacgtgtc tctcatggaa ccacct 176

<210> 11581
<211> 402
<212> DNA
<213> Canis familiaris

<400> 11581
ctggctgtca acttcctgga taggtttctt tcttgcatgt ctgttctgag agggaaattg 60

cagcttgtag gaacagcagc tattcttctg gcttcgaaat atgaagaaat atatccacct 120

gaagtagatg agtttgtcta tataactgat gacacttaca cgaaacgaca actgttaaga 180

atggaacacc tgctcctgaa agtcctagct tttgatctga cagtgccaac caccaaccag 240

tttctccttc agtacttaag gagacaagga gtgtgcatca gaactgagaa tctggccaag 300

tatgtagcag aactgagtct gttggaagct gacccattct tgaaatatct cccttcactg 360

agagctgcag cagcttattg cctggcgaac tatactgtga ac 402

<210> 11582
<211> 562
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (426)..(426)
<223> n is a, c, g, or t

<400> 11582
gcttgggcat tctgctaaca gggcaccatt tgttccttca ccactttcct ctgtggcggc 60

naccctcggc agccccgagc atgcctggct gccaccacca gcttttccaa gatctctgag 120

gcctaccagc atgagccagg tcccacagtt gcaggatgag atgcgccggc agctgccact 180

gctgctgcac cttcaggcag ccatggctaa ccctcgtgcc atgcatgccc tgctacagat 240

tgagcagggt ctgcaggtcc tggctactga agccccgcgc ctcctcctct ggttcatgcc 300

ttgcctagca gggctgggaa atatggcagg cagtacagag cctagggagg gctctgtgca 360

gcccacctgg gctgttcttc agcttctcta tgcactagcc aaagcctgtt ctcagtccac 420

acaatnctca ctatcctcat tctccctccc tgaaggctgc ttccagcaag aactggagca 480

tctgaaggcc atgggttttg ctaaccatga tgccaatcta cagaccctca tggcagcggg 540

aggagacatt caggttgcca tt 562

<210> 11583
<211> 454
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
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<222> (50)..(50)
<223> n is a, c, g, or t

<220>
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<222> (76)..(76)
<223> n is a, c, g, or t

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<222> (116)..(116)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (366)..(366)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (412)..(412)
<223> n is a, c, g, or t

<400> 11583
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ggactgcaaa ggaaancgtg gcctatgcaa cctcgacggg tggcatcgtt aataanatgg 120

ttggccgtgt tggggacncc ccatgcatag gatctggcgg ttatgctgac aatgacattg 180

gcgccatttc aacaacgggg cacggggaga gcatcctgaa ggtgaatctg gccagactca 240

ctctcttcca ggtagaacaa ggaaagaccc tggaagaggc agccgacatg tcattgggtt 300

atatgaagtc aaagctgaag ggtttaggtg gtgtcatctt ggtcagcaaa gcaggagact 360

gggcgntgag gtggacctcc gcctccatgc cctgggcggc cgccaaggat gncaagctgc 420

actccggaat cgatcttgag gagaccagtg tcac 454

<210> 11584
<211> 546
<212> DNA
<213> Canis familiaris

<400> 11584
ctgttcttat caatgcactg ggcactttcg attccttcct tccaggctct agggcaagaa 60

aatagcatat cattggtgaa agcttattgg aatgaacttt ttactcttgg tcttgcccag 120

tgctggcaag tgatgaatgt ggcaactata ttagcaacat ttgtcaattg tcttcacagt 180

agccttcaac aggaaagaag aaaattattg atggagcaca tctttaagct acaggagttc 240

tgtaacagca tggttaaact ctgcattgat ggatatgaat atgcctacct gaaggcaata 300

gtactcttca gtccagatca tccaggtcta gagaacatgg aacaaataga aaaatttcaa 360

gaaaaggcat atgtggaatt ccaagattat ataaccaaaa catatcctga tgacacctac 420

aggttatcca gattactact cagattgcca gcattgagac tgatgaatgc taccatcact 480

gaagaattgt ttttcaaagg tctcatcggc aacgtacgaa ttgacagtgt catcccacat 540

atttta 546

<210> 11585
<211> 85
<212> DNA

<213> Canis familiaris

<400> 11585
gaaaattgta tcctagatgc tagcttggaa ggaaagtcca gtttcctggt atggagactt 60

ggcttaatca attagatcta gaagt 85

<210> 11586
<211> 580
<212> DNA
<213> Canis familiaris

<400> 11586
ttgcttcctt ctgagtctgt caaatcagag agtgaggacc taaactctct cttcttaaaa 60

gtggatagcc tgagaatcaa aattttagga acttctgtgc caatagaaaa gtttgttgct 120

gagaagggcc agcgctatgg cactactaca ggctggttta ctgcacagcc catcctggaa 180

ttcatttatg cctggagtgg tttccgagtc atgagtaaaa aactagacct tatttcaagc 240

tggttatcaa taattaatag aggagaagac cttttacgag aaaatccaaa taaagagtat 300

ggcacagatg acataagttt gttaaattta ctgaaaggtc tatgcctgaa acatttaggc 360

agatattcga cagctgagca ttactttaat cgtgtcattc aaaaggagaa gttgttaaaa 420

tatgaccact atttggtgcc atacacttat tacgaactag gaattcttca ctacctaaaa 480

ggagattatg agagtgcaac aaaaaaccta gacaacataa aaaactacaa agactattcc 540

atggaagccc gattacagtt taggactcac atagctcttg 580

<210> 11587
<211> 350
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (59)..(59)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<400> 11587
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tgcctggatg ctgaaacacn gtgcgcagca gccgtggcct gagcagcact gtgaacgtga 120

gtgtcagcaa gaggagaggc tctcgcacgc cacccaaaag taccaacggc ttgcctgttt 180

cctgctctga aaatcccttg agccgagcac gcagttttag cactggcaca agtgctggtg 240

gcagcagcag cagccaacag aactctccac agatgaagaa ctcccccagc tttccttttc 300

atggcagtcg gcctacaggg ctgccaggtc tgggctctag cactcaaaag 350

<210> 11588
<211> 442
<212> DNA
<213> Canis familiaris

<400> 11588
gaaaaatcta cgtatgtgac cattgtaaca caaagcgtag aaggttttct tcaaaatcag 60

ttgtactcac agaagcacaa aaacagctta tgatttgcca cctacctcag gttctcagac 120

tacatctcaa acgattcagg tggtcgggac gtaataaccg agagaaaatt ggtgttcatg 180

ttggctttga agaaatctta aacatggaac cttattgctg cagggaatcc ctgaaatccc 240

tcagaccaga atgttttatc tatgatttat ctgctgtagt aatgcaccat gggaaaggat 300

ttggctcagg acactacact gcctactgct ataattctga aggagggttc tgggtacact 360

gcaatgattc caagctaagc atgtgcacta tggatgaagt atgcaaggcc caagcttata 420

tcttgtttta tacccagcga gt 442

<210> 11589
<211> 228
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (53)..(53)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

<400> 11589
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aaggaggaca aggccttttg gaaagaggac nccgccttat gggaaagaga ccggaacctt 120

cttcaggagg acaaggcctt gtgggaggag gagaaggcat tctgggtgga aggcggtggc 180

ccttttgctg aggggcaggt ccctgacaac aggcccggtg tcgtcgac 228

<210> 11590
<211> 558
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (31)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (442)..(442)
<223> n is a, c, g, or t

<400> 11590
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ttccacccag tttttgcagt aatcatgaga tactcttcat tctctgggtg tagctggcaa 120

gagtacgccg ccatgnccag ggactngcaa aagcgnctgc ncacgagtag aaacaaagct 180

cccctctcca caggcgtcag cgggatgaca ctctcaaacc ccgccaggac gtgacctccc 240

acgtgcatgg gactcttgnt ctcaatcatc atgtacatga tggtaatggc cgcttcaaac 300

acgtagtagc cgtagctcat gtcatcgaag tctaaaatcc cagacacttg atatgcagca 360

tctccacagg ctgacttact ggactccact aggatgttat ggtcattaag atccccatga 420

ttgagaccta aaagaagaaa anccaagcca tgtgaaagca ttgaattccc cacttcattg 480

tcttcccatt tcctgtttct tgggcacagc cactccgatg tgatgagcag tccgaggtag 540

agccaaaccc tatttgtc 558

<210> 11591
<211> 435
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 11591
gagaaaagag aagatcccgg tgataactgg gaagaaggtg gaggtggcgg tggtggtgta 60

gaaaagtctt caggtccctg gaataaaaca gctncagtac aagcacctcc tgctgcagta 120

attgttacag aaaccccaga accggcaatg actagtggtg tgtataggcc tcctggagcc 180

aggttaacca caacaaggaa aacaccacaa ggaccaccag aaatctacag tgatacacag 240

ttcccatccc tgcagtccac tgccaagcat gtagaaagcc ggaaggataa agaaatggag 300

aagagctttg aagtagtaag acacaaaact agaggtaggg atgaggtttc aaaaaaccag 360

gcccttaaac ttcagctaga caaccagtat gctgtgcttg aaaatcagaa aagcagccac 420

acacagtaca attaa 435

<210> 11592
<211> 351
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (162)..(162)
<223> n is a, c, g, or t

<400> 11592
aggttgatta cagcggcctc cgagttcagg cgatgcaaat aagtagtgaa aaggaagaag 60

atgataatga gaaaagagaa gatcccggtg ataactggga agaaggtgga ggtggcggtg 120

gtggtgtaga aaagtcttca ggtccctgga ataaaacagc tncagtacaa gcacctcctg 180

ctgcagtaat tgttacagaa accccagaac cggcaatgac tagtggtgtg tataggcctc 240

ctggagccag gttaaccaca acaaggaaaa caccacaagg accaccagaa atctacagtg 300

atacacagtt cccatccctg cagtccactg ccaagcatgt agaaagccgg a 351

<210> 11593
<211> 480
<212> DNA
<213> Canis familiaris

<400> 11593
gagaaagacg cagccgcaca taggaggcac cggccaggcc ccggggcccc tccaccaggg 60

gtggcccccg gacacctcaa ggcagccagc gagatagctg agctccagag gagccggagt 120

gtgggtggcc tgcatcagaa gggggaccct ccgagctgca tcaagaagcc atccaaggag 180

ctggagtctg aggaccaggg aagggaccta cgaagtgaca ttgaagatgc cagctgtcag 240

gcagacccag aggaggacaa gcaggaaaag aatcaggatg ccctcgagaa gttggaccct 300

gatggaggaa ggacggagcc agaagggaag ggctgccgcc cagaggccag tggcaagaga 360

gcctcctctc ctctccagcc caccctggaa cgccatccac acctctctgg tttccattca 420

cagaaaccat ctgagtttgt ggagattgat ctgggagacc gtgccgagga ggtagtcaca 480

<210> 11594
<211> 553
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (75)..(75)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (210)..(210)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (313)..(313)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (316)..(316)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (355)..(355)
<223> n is a, c, g, or t

<400> 11594
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acaactaagg aaaanccaga atcatctcnc gctgacagca tagcctttcc ttggaaancc 120

atttgggagc atggctccgg gtaagaagca ttattccagc atgtanctcc naggtccacg 180

ccaccnaccn atcacacctc gcctccgttn ccaccgcagg gtgagcatga gaagatgtgc 240

tctcagaagg gctatggcca agagatggag agaaggaagg aaatgaacgt aggaccgaag 300

gacaggtggg agngancaaa gcggaatgaa gaggaggtag agggaggaag taagncaaga 360

ggggagatct cacggagagg tggtgacaga agaaaacaga acagccctga aggagaagct 420

gaggaggaca agagaagaaa tagaccattg acagatgcct ccctaagctt ctatttatct 480

aatttaaaac ttgaaagtaa ggccatatat caaaacagtt gtgttttctt ctctgtgcca 540

agtactctgg ata 553

<210> 11595
<211> 300
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<400> 11595
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atgtcctctc aaggtcgagg aagaggcaga ggccgtggag gaagaggaag gggctcactg 120

aatcacatgg tggtggacca ccgccccaaa gcactaacag ttgngggatt cattgaggag 180

gagaaagatg aattacttca acatttctca actgcaaacc aagggtcaaa attcaaagac 240

cgtcggctac aaatatcatg gcacaaggcc aaggtgcctt ctgtatccac tgagactgag 300

<210> 11596
<211> 355
<212> DNA
<213> Canis familiaris

<400> 11596
aacctcagat ttgtttttgc atgatgatga tgatgaagat gaagatgaat atgaatctcg 60

ttcatggcga agatgaaatc tgatgcgagc tgtatagttt ttaggaatat tgtttagaag 120

aacaactttt taaaattatt taaagaagtc aatgagccaa aaatttttt tatttttctt 180

ttccacacag taggtttaag gacagcaagt ttgctattta aacacatctc ataactgttc 240

atgatattaa agcaccaaag gcctagtgac ttttacacag ttgtgaagat ccacaggaat 300

gatacggata atctctagag ccttactttc cacaccacct gttttgttgc tattg 355

<210> 11597
<211> 133
<212> DNA
<213> Canis familiaris

<400> 11597
gttgattctc tggaccctga aaagctatta caatgcccct atgataaaaa ccaccagatc 60

agggcctgca ggtttcctta tcatcttatc aagtgcagaa agaatcatcc tgatgtcgca 120

aacaaattgg cta 133

<210> 11598
<211> 219
<212> DNA
<213> Canis familiaris

<400> 11598
ccgtgaaggc ccgagaccag aaggtggctg gagacctgga ggcagcccgg cgattcggct 60

ccaaagccaa gtgctacaac atcctggcca cgatgtgggc gctggtgccg cctctgctgc 120

tgttggcgct ggtggtgacc ggggcgctgc acctgtcccg gctggccaag gactctgcgg 180

ccttctttag caccaagttc gaggactcgg actatgact 219

<210> 11599
<211> 521
<212> DNA
<213> Canis familiaris

<400> 11599
tcacaccccg tttcgagaga gtaagctgac acaggtgctg agggactcct ttatcgggga 60

gaactcaagg acctgcatga tcgccatgat ctcaccaggc ataagctcct gtgaatatac 120

tttaaacaca ctaagatatg cagacagggt caaggagctg agcccccaca gtgggtccag 180

tggggagcag ccagttcaaa tggaaacaga agagatggaa tccagctctc atgggtccct 240

gatctcaggc aatgaagatg aggaactatc ttcccagatg tccagcttta atgaagccat 300

gtctcagatc agagaattgg aggaaagggc tatggaggag ctcaaggaga ttatacaaca 360

agggccaggc tggcttgagc tctccgagat gactgaacag ccagactatg acctggagac 420

cttcgtgaac aaggcagagt ctgtcatgat ccagcaagcc aagcacttct cagccctgca 480

agatgtcatc aaggccttgc gtctggccat gcagctggaa g 521

<210> 11600
<211> 286
<212> DNA
<213> Canis familiaris

<400> 11600
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tgagacaagg aaagagggcc agcagtgaga gtatgaagca aggaaagaga agtcccaggg 120

gagtgtgagg acagagcaga gtccagatgc caagcttgga aggtgttagt ggttatgaga 180

gtgcctctgc tctttctacc tgatccccga agggccttct tctcttctcc caccctaatc 240

tgcttctcat atgcctcttc ttacttcacc cacgtttatt attatg 286

<210> 11601
<211> 422
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (31)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (198)..(198)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (200)..(200)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(235)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (261)..(261)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (275)..(275)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (281)..(281)
<223> n is a, c, g, or t

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<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (300)..(300)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (306)..(306)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(323)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(329)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (340)..(340)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (342)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (382)..(382)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<400> 11601
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ccatgaggcc cacgctgaca gatctcctgc ccaccttccg gaacactctg cagaaactaa 120

catttgagtt caataacaac cacgagtcgc tggacgagga gctgcacctc ctggtcttgt 180

cctgtcgnaa agctgttntn cttcaagatc tgggcttttc ttgacgtcaa gtttntggag 240

cggatcctna agagtcagga ngaagggcag tgctnccctg ngcnctctca aggtgagaan 300

tttncncaaa ccgatacgag ncnaaatgnc gaggacaggn cnctgcgcga gatccacagg 360

aagtaccgaa agctcatcga tncggagctc aactncttcg tcatcgcgta ccccatgatg 420

ta 422

<210> 11602
<211> 153
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (67)..(67)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (121)..(121)
<223> n is a, c, g, or t

<400> 11602
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tttcctnctg cgggtctctg ccgttcctcc cctctgacgc cagccccaac ccaggccggg 120

ncgcgggcga tgggacttta aaggctatct tta 153

<210> 11603
<211> 338
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

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<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (91)..(91)
<223> n is a, c, g, or t

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<222> (100)..(100)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(301)
<223> n is a, c, g, or t

<400> 11603

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aaanccatgg aatacaatat ggtgggaaga ncagtgcttn acatgttgat tcgtgaggtg 120

gtcgagaaga gnctggctat gtatgagcat aaggaggncc agcctccatt tgtgcagtct 180

gaggatgggt tcagtggccc cagagcaatg agagaatncc ctgatgggtg atgaattcca 240

tgaacaaagt gcatcacagt cacagagggt acttcaggcc agagactccc tgcaaagaac 300

nccaagcaac agaaggtata tggagaatgt gtcatccc 338

<210> 11604
<211> 185
<212> DNA
<213> Canis familiaris

<400> 11604
aacagaaagg aatatctcag ggagagaact attataacta aggggaactc tcgagccacg 60

accactcagc ggccaggcag cagtgccagc aatcaggtaa cgatgtgtag gtcccctcag 120

cccatggaaa ttatgttgta tttacccaac atgtttttt gtctaatgga ctgggcaaat 180

caaat 185

<210> 11605
<211> 178
<212> DNA
<213> Canis familiaris

<400> 11605
acaaaccaac agagagctgt gaagtttaca ccattgttat caggaattta tccaggagct 60

gctctctcgg ataagaggca tgaggaaact gaaccctccg cagaagaaga ccggataatt 120

ctaacacagg gtggaactct cccagagacg aagatgggtc ctgggatttg ggcttcat 178

<210> 11606
<211> 255
<212> DNA
<213> Canis familiaris

<400> 11606
ttagccggaa tatgatcaga aagatccctg aatcaatctc caagttccag aacctgcggt 60

ggctggacct tcacagcaac tacatcgaca agcttcctga atccatcggc cagatgacca 120

ccctgctcta cctcaatgta agcaacaata ggctgaccac caacgggttg cctgtggagc 180

tcaatcagct caagaatatc cgtaccctga acctaggctt gaaccatctg gacagtgtgc 240

ccaccactct gggtg 255

<210> 11607
<211> 527
<212> DNA
<213> Canis familiaris

<400> 11607
tgaggcaagt cgcagagtca agtctgaact actcattcag atggatggag ttggaggagc 60

tttagagaat gatgatcctt ccaaaatggt tatggtattg gccgctacta atttcccatg 120

ggacattgat gaagctttga gaaggagatt agaaaagagg atatatatac ctctcccaac 180

agcaaaagga agaactgagc tgctgaagat taatcttcgt gaagttgaac tggatcctga 240

cattcaactg gaagatatag cagagaagat agagggctat tctggtgctg atataactaa 300

tgtttgcagg gatgcctctt taatggcaat gagacggcga atcaatggct taggtccaga 360

agagatccgt gcactttcta aagaggaact tcagatgcct gttaccaaag gagactttga 420

attggctctt aagaaaattg ctaagtctgt ctctgctgca gacttggaga agtatgaaaa 480

atggatggtc gaatttggat ctgcttgaat ttctgtcagc tctttca 527

<210> 11608
<211> 545
<212> DNA
<213> Canis familiaris

<400> 11608
aacgcatgtt atttcacggt tctcctttca ttaatgccat tattcataaa gggtttgatg 60

agcgacatgc atatatagga ggaatgtttg gtgccgggat ttattttgct gaaaattcct 120

ccaaaagcaa ccaatatgtt tatgggattg gaggaggaac aggctgcccc acacataaag 180

atcggtcatg ttacatatgt cacaggcaaa tgcttttctg tagagtgacc cttggaaaat 240

cctttctgca attcagcacc atgaaaatgg ctcatgcccc tccaggacat cactcagtga 300

ttgggagacc aagtgtgaat gggctggcat atgctgaata tgtcatctac agaggggagc 360

aggcataccc agagtatctc atcacatacc agatcatgaa gccagaagct ccggcacaaa 420

ccgccacagc tgccgagcag aagacctagt gaatgcccac tggtaaaggc cacattggat 480

ttcaacctgg gactggatta cagtggattg tttccaacaa aatcaatatt ccgtcaatcc 540

ctgac 545

<210> 11609
<211> 155
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<400> 11609
tgaaccaact gcaagtctct ataatagtat gctttctgct aaactgtatg ttgactgaaa 60

aagaatctca taccttgaa gagttttacc taaaattttt aactactata atttttgtgn 120

cctctttgaa gaggtatact actttaaaca gcata 155

<210> 11610
<211> 123
<212> DNA
<213> Canis familiaris

<400> 11610
gtactacatg tgaaggaccc atcataccac gttggcaccc tcttcccaag tgaccactgg 60

cctgcccctg cctccaccgg tgactgaact accacctcag gtgactgttt tttaaatgct 120

ggg 123

<210> 11611
<211> 415
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (223)..(223)
<223> n is a, c, g, or t

<400> 11611
agcacgggag aagggaccca gttctacctg tttgagaacg tggacaatgc acaacagttc 60

aaacagttgt accgggccag gatgaatgcc ttggacttga acctgaagac caaggaaagg 120

attgtggagg aggccaacaa ggcctttgag tacaacatgc agatatttga tgaactggac 180

caggctggct ncttgttggc cagagagatc ctggaggacg gantcccagt gcacgatggg 240

aagggagatg tgcgtaaatg cccctactat gctgctaaac cagacagagg tgccctggag 300

ggcagcagct gccccttccg aacagccctg gctgtgctga gtcagcccag cctgcagttc 360

attctggccg ctggtgtggc cctggttgcc agcctcttgg cttggtacta catgt 415

<210> 11612
<211> 553
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (78)..(78)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (153)..(153)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (194)..(194)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (218)..(218)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (228)..(228)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (264)..(264)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (357)..(357)
<223> n is a, c, g, or t

<400> 11612
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agncagggca ccatctgnct ncaaatccag atngagaaga ccccttcncg ccgggggaga 120

gggtcatctt cccccnggag atcaacaacc agnccagcaa gtgcatcaag acggtcatct 180

ttgccntcta cggnccacgt gcaatacgag ggcttcancc cccaancncg gagcggcggt 240

cgcgggcgga cagcagtgag ctgntccggc aggaggccaa cacccagatc acgcctttca 300

acaccaccaa gatcgtcagc gccctcaacc tcccgcaggt gctgtccgtg agcagcnagc 360

acacgcgaca gcgagatcat gagcacccac tacgagctgg tcagcaccgt ccacctgccc 420

tggtccctga ccagtgtgaa ggccaaggtt cccatcatcg tcaccagtgc ccctgtggac 480

gcggccagct gccagccggt ggaggggacg gcgttagccc tgagccaaga gcgccagaat 540

taagtgccca aac 553

<210> 11613
<211> 507
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (319)..(319)
<223> n is a, c, g, or t

<400> 11613
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gtgggcctga agcttgctgt gtttggcatc ttcatcattg tgatatttgt ctacataaca 120

gtggaaaagg agccgttctt tggctaagtg ctttaggaac agagcaatga gtgagcacct 180

gagcatgcct ctaagccgtc ctgctgcagg gaaggacaga aaggctgctt gaaaaaggga 240

tgcccagccc catagccagg tagctttcct ctctgctgct ctcacaaaac cctacccagg 300

ctcatgattt caaagccant ggggccttac atactgtcta gttcaccact tatgtttcga 360

gataagggaa caggccaggg aggttgaagg aaatgccaaa agtcacaatg aactgaatcc 420

agaatccaag gtgcaaagaa acaaggtaaa gaagcagaca ctctcatcaa agagcttgag 480

gataaggaat tccccacatg acggcat 507

<210> 11614
<211> 293
<212> DNA
<213> Canis familiaris

<400> 11614
taaaccaaca cacaacagag cacctgagtt caagaataca gagttcaagc caacccatgg 60

cccgtacaga catgatggag taaagactga gcactacaaa acaggtcttc attctccgag 120

acgacaagcg ttggatagta tagagcccat gtccagggtc ctcagccccc tgagttctca 180

gatcacccct tacagttcca ccgtctcttt gccttctaac tttctgtgta aaactaactc 240

tttgccttca gtgctagata caaacgaagc caattattct gacactatct ctg 293

<210> 11615
<211> 555

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (45)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (430)..(430)
<223> n is a, c, g, or t

<400> 11615
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aaaacaaagn ctatcaaaaa gtttggtcat caccttcaga tcctgcacat tttgaagtgg 120

atgcctctca tgaaaaatta gaaggcgtgt tcaaagcaga tagcatgaat ttcagcagtt 180

tttctcaaga cttaactcac tcacattttc ccttgtatat ggataccaac agtaccactt 240

cagactcgcc tcagagtgaa ataaagaatg taaaaaggga agatgaatct aaacccacac 300

tttccaaaga tatttatggc acactagatg atgaattaga tggtactgaa acatagagcc 360

aaaatcacag cttttagaga gttaattgca aaagaaacag catttcaaga tcagattatt 420

gagactgacn ctggcaagtt ttaaattcga aagagaagag gatgctatta cacactcaag 480

agaagtaaaa taagactctg ctttggctta taattgagaa aactcagccg atgctcaatc 540

atcacgggct catga 555

<210> 11616
<211> 573
<212> DNA
<213> Canis familiaris

<400> 11616
atgtgcaccc caattatcca gaaggggga agatgactca gtacttggag aacatgaaaa 60

tcggggacac catccttttt cgagggccaa ctggtcgcct cttctataat gggccaggga 120

acttttcaat caagccatac aaaacaagtg agcctgaaaa gaagctggtc agtcacctgg 180

gaatgattgc tgggggcaca gggatcacgc ccatgctgca gctcattcgc cacatcacca 240

agaaccccaa cgacaggacc aggatgtccc tcatctttgc caaccagaca gaggaggata 300

tcttggtgag acgggagctt gaagaagttg ccagaactca cccggaccag tttgacctgt 360

ggtacaccct ggacaggcct cctgttggct ggaagtacag ctcaggctac atcaccgcca 420

acatgatcaa ggagcacctc cctcctccgg ggcagtccac gctcatcctg gtgtgtggcc 480

caatgcccct gatccagaca gctgctcatc ctaacctgga gaaactgggt tataccaagg 540

agatgatttt cacttactaa taccttcctt gct 573

<210> 11617
<211> 591
<212> DNA
<213> Canis familiaris

<400> 11617
aaagtctgct tgcaagctgc tctgagggct tggaatagct gcaatgaata catgccaagt 60

cgaattattg tgtatcggga tggtgtagga gatggtcagc tgaaaacact ggttaactat 120

gaagtaccac agtttttgga ttgcctaaaa tctgttggta gaggttacaa cccaagacta 180

acggtaattg tggtgaagaa acgcgtgaat gccagatttt ttgctcagtc tggaggaaga 240

cttcagaacc cacttcccgg gacggttatt gatgtagaag ttaccagacc agaatggtat 300

gatttttta tcgtgagcca ggcagtgaga agtggcagtg tttctcccac acactataac 360

gtcatctatg acagcagtgg cttgaagcca gaccacatac agaggctcac atacaagctg 420

tgtcacgtct actataactg gccaggcgtc attcgagtcc ctgctccttg ccagtacgcc 480

cacaagctgg ctttcctcgt gggccagagc attcacaggg agcccaacct gtccctgtcc 540

aaccgcctgt actacctctg accctcagga gacgacgaaa cgcagccgtt t 591

<210> 11618
<211> 183
<212> DNA
<213> Canis familiaris

<400> 11618
ggaacaagtt actattactg gcatcttttg cgtgtgtcaa ggaaaggact tctttgcaaa 60

ctcaactaaa taatgcatag tggtcaatct catgtagggc cactactcta cctcacttag 120

gatgaagagg tagtgtgtcg tcaaactcct gaattctagt ttacttggca ctcaaaatca 180

cta 183

<210> 11619
<211> 129
<212> DNA
<213> Canis familiaris

<400> 11619
gattgttcca ttgcagccac tggcaaacgg ccgtccgccc gcttccccca ccagcggagg 60

aagaagagga gggagatgga tgacgggctg gctgagggag ggccgcagcg atccaacacg 120

tatgtgatc 129

<210> 11620
<211> 74
<212> DNA
<213> Canis familiaris

<400> 11620
tctatctgcc cgtggtattg gaatgaatgg aaataacaca gcagcaggga agagagtagg 60

agaatgtact catc 74

<210> 11621
<211> 577
<212> DNA
<213> Canis familiaris

<400> 11621
gctgttaaag tcgattcacc cgggaaaaga tctgatatta tttctaaagt tgaggctcga 60

gatatcacag aaatggctaa caaggcttcc aaagagcctg ttggttgtgt aaataatata 120

ggttttctta cttcgctggc ccagagtgca agcagagata gcttacagag cacacgtgga 180

gcaggcaggc ttcggacctc tggaatcggg ctgtctacaa gccagcattt taaggaggaa 240

aatcttagga aaaattctcc ccagttagaa cctacagatt tttttctatc tgcccgtggt 300

attggaatga atggaaataa cacagcagca gggaagagag taggagaatg tactcatcac 360

ctgccacctg tgaaagcccc tattcaaaca aagaagaaag cagcaaagca ttgtttcctt 420

tgtgggaaga aaactggact ggctactagc tacgaatgct gtggaaacaa cttctgtgca 480

tctcatcgct atgcagaaac tcacggctgc acctatgatt acaagagtgc agggaggaga 540

tatttacagg aggcaaatcc tgtggttaac gcaccca 577

<210> 11622
<211> 574
<212> DNA
<213> Canis familiaris

<400> 11622
aaattctacg aagcataggt gacgaaagaa ctatggtttt tgttgagact aagaaaaaag 60

cagattttat tgctactttt ctttgtcaag aaaaaatatc aacaacaagt attcatggtg 120

accgagaaca gagagagaga gagcaagctc ttggagattt tcgctgtggg aagtgtccag 180

ttcttgttgc tacttcagta gctgccaggg ggctagatat tgaaaatgtt caacacgtta 240

tcaattttga tcttccttct actattgatg aatatgttca tcgaattgga cgtactggtc 300

gttgtggaaa tactggcaga gctatttcct tttttgatcc tgaatcagat aaccatttgg 360

cacaaccttt agtgaaagta ctgtcagatg ctcaacagga tgttcctgca tggttggaag 420

aaattgcctt tagtacatat gttcctggct tcagtggtag ttcaagagga aatgtatttg 480

catcagttga tactagaaag aattaccagg gcaagagcac tttgaacaca gcagggtttt 540

cttcttcaca agctcccaat ccagtagacg atga 574

<210> 11623
<211> 555
<212> DNA
<213> Canis familiaris

<400> 11623
tgtggagaac cacccttttt ggcaacctca gaagagaagc tttttgagct aataagaaag 60

ggagaactac attttgaaga tccactctgg gattccataa gtgattgtgc taaaagtgtt 120

ttgaaacagc ttatgaaagt agatcctgct cacagaatca cagcgaagga actactagat 180

aaccaatgga taacgggcaa tatgctttcc tcagcaagac caactaatgt gttagaaatg 240

atgaaagaat ggaaaaataa cccagaaagt gatgaggaaa acatggcaga tgagaagaac 300

aactggtcca ttcaagaaaa gttcaaaggt tatcaatcca gcgggcccag cggaaatgtc 360

caggataata gtagcacttc ggatgaagag gaggaaaaac agcccactgc gaccagtaag 420

aaggaaaacg tggacaactt ggacgcgaag tgcacagctt ccccctctgg cagacacctt 480

ctccctgggc tcaaaggaga gccccccacg actgcaggcc aaggaggggc aaccaaatcc 540

actgcgaagt ccaat 555

<210> 11624
<211> 499
<212> DNA
<213> Canis familiaris

<400> 11624
aactgggact gttctgttgg cctcgacggc cccacctact ggggcaagga actccccggg 60

gggcccagcg cggactctac catttcgtgg ggtgggcctg cgggctccga ctgcaccacg 120

tcctggggct cggggctgca ggcggactgc accacctctt caaaggggta ccagacttca 180

gatctcccca cgtcctccga acccagccag cagtcggacc gcgtaacctt ggcttgttac 240

cccaaaagta accaccgagg tcccattcag ctgtggcagt tcctcctgga gctgctccga 300

gacgggcagc gtagcaactg catccgctgg accggcaaca gccgcgagtt ccagctgtgt 360

gaccccagag aggtggcgcg gctgtggggc gagcgcaaga ggaagcccgg catgaactac 420

gagaaactga gccgaggtct acgctactac taccgccgcg acatcgtgcg caagagcggt 480

gggcgcaagt acacgtacc 499

<210> 11625
<211> 231
<212> DNA
<213> Canis familiaris

<400> 11625
acccagcccg agatggagta tgactgtgag aatgcccgct attaccaacc tgggatgcgg 60

gacacccctg gcctgagcat ctatgaccaa aagaagtgtg aaaagttggt tctgtccttg 120

tgctgcaata gcctcagcct gcccttccac gagcctgtca gcccgctggc ccggcattac 180

taccagatta tcaagaggcc catggacctg tcaatcatcc ggaggaagct g 231

<210> 11626
<211> 182
<212> DNA
<213> Canis familiaris

<400> 11626
aaatgctgtt attcatcctc cgagactagt aacttcagct gcttcgtccc attaaaggat 60

aagcccacac agatgttccg gatgtttggg tttggtatga tcagcatgat catgctggga 120

tgtctgccca tttattgctg tactctttgc cggaggagca aatgggccaa tcctttacga 180

ag 182

<210> 11627
<211> 195
<212> DNA
<213> Canis familiaris

<400> 11627
gatgctgaaa tgtcagggac agcagaagag gaggaaggtg caggtgatga taaagagcaa 60

gagaccaaag cattattttc ccactaagaa gaatgtgaac cattcagagc agaggagact 120

gtcccagtca tctaaacctg atggagcatt ttagtacaaa aattaattgt tatttttgtc 180

atatttactt ccaaa 195

<210> 11628
<211> 442
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<400> 11628
agatttgtca gcttgtacct ggccccctgg ttcgacgacc cactgaccac aaggatgaat 60

ggaacatggc cntcttccta gaggtctctc cgtgggagca catgctcttg gggacaccac 120

ctgcacagtt ccgttggctt tgatacgctt gcaggccact tgccgactgt ggaatccttc 180

accgcaagac acagagcact nctgaccatg cacccgtgag ccacctgaga acaaaaacta 240

tggcagctta gtgaggactg caatgtcaga tcccagaggg agtgtctgga aaaggaaaaa 300

ttgagcaaca gaattaccag attaaaaccg tcattcccca ggcttctcca gacaaccaga 360

ggtatccgtg gcacagaaag atgaaggacc ctctgtgtgg agagccctag ggttacatga 420

catctaagtc atctctcgta ga 442

<210> 11629
<211> 306
<212> DNA
<213> Canis familiaris

<400> 11629
gagttcatct gtggagattt cctcctgctg gcttctcact taaaggctga tgttgtattt 60

cttagccccc cttggggagg accagactat gctactgcag agacctttga cattaggacc 120

atgatgtctc ctgatggata tcctttagaa gggctttccc agaagatcac taataatatt 180

gtttattttc ttccaagaaa tgctgatatt gaccaggtgg catccttagc tggacctgga 240

gggcaagtgg aaatagaaca aaactttctt aataataaac tgaagacaat cactgcttat 300

tttggg 306

<210> 11630
<211> 175
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (144)..(144)
<223> n is a, c, g, or t

<400> 11630
agctatgatc ctgcctccat gaaagtcgtc agcaatgcat cctgcaccac caactgcctg 60

gcgccccttg ccaaggtcat ccatgagcga tttgggatcg tggaagggct gatgaccaca 120

gttcattcct atactgccac ccanaagact gtggacgggc catcaaagaa ggcct 175

<210> 11631
<211> 527
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (164)..(164)
<223> n is a, c, g, or t

<400> 11631
aaggtcatcc atgagcgatt tgggatcgtg gaagggctga tgaccacagt tcattcctat 60

actgccaccc anaagactgt ggacgggcca tcaaagaagg cctggcgaga tggccggggc 120

gcccaccaga acatcatccc agcctccacg ggggctgcca aggntgttgg caaagtcatc 180

ccagacctca aagggaagct gacaggaatg gcgttccggg tgccaacccc agacgtatct 240

gttgtggacc tgacctgccg cctggcccag cccaccccat acgaggccat caaagaggcc 300

atcaaagcgg cagccaaggg gcccctcgct ggcatccttg cctacaccga ggatgaggtc 360

gtgtccacgg actttgtggg caacacccac tcgtccatct tcgacgctaa cgccggcatc 420

gcgctcaaca acagcttcgt gaagctcatt tcctggtacg acaacgagtt cggctacagt 480

caccgggtgg tggacctcct ccgctacatg ttcaaccgtg accagtg 527

<210> 11632
<211> 49
<212> DNA
<213> Canis familiaris

<400> 11632

aggaaggcct catgggacag acactgtcaa cacttggcgc aggcctcta 49

<210> 11633
<211> 223
<212> DNA
<213> Canis familiaris

<400> 11633
gcacacccag cagccggtca ctgaggcccc cgggccgggg gtggccagtg tggcatcctg 60

gacccaaaat tggcaggtcc aggggaaaca gagagaaaag tcctcgttac acagtttggg 120

gtgggggtgg ggtggggtgg gctgaggtcg ggcggtgaca gccatccctt cccagcccca 180

gaagcgggcc ggaggagcag ggacaacaaa cgacaccacc cag 223

<210> 11634
<211> 457
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<400> 11634
atctacaacc tgattcacct tgatcccaga actcgggaag gtttcacctt gctgcatcta 60

gctgtcaact ccaacacccc ggttgatgat ttccacacca acgatgtctg cagctttccg 120

aacgcacttg tcacaaagct gctgctggac tgtggtgctg aggtgaatgc tgtagacaat 180

gaggggaaca gtgcccttca cattattgtg cagtacaaca ggcccatcag tgatttttg 240

accttgcact ctatcatcat tagcttggtt gaagctggcg ctcacactga catgacaaat 300

aaacagaata agactccgct agacaanagt accactgggg tatctgagat actacttaaa 360

actcagatga agatgagtct caagtgcctg gctgcccgag cagttcgggc taatgacatt 420

aactaccaag accagatccc cagaactctt gaagagt 457

<210> 11635
<211> 541
<212> DNA
<213> Canis familiaris

<400> 11635
aaggcagcct caactcctag taaagctgag atctttgaac aggagatcaa gagacttgct 60

gagtttactg ccagaaacat taattggaag tatgtgtacc attcatttgt tgatatttta 120

tcgccaaatt cttggagatg tactcctgaa agacaggacg agcatgcaaa gtgctgattt 180

aattagtaac ccagtgttgg ccaccttccc caagctcttg gagcagcctg acatgatgga 240

tgcactcagg agttcctggg ctgagaaaga aagcacatta aaaagatcag agaagagaga 300

caaagagttc ctgaaggcca tgtttctcct ggtttaccac gactgtgtgg tccctcttct 360

gcattccaca ctcctgcccc cattcaggtg ggcagaagaa gagacagagg ctgcccggtg 420

gaaagtaatt gctgacttcc ttaagcaaaa ccaagaaaat gggggtgccc tccaagctct 480

gctgtcacca gatggagtcc atgaaccttt tgacatttca gagcagacct atgacttgtt 540

g 541

<210> 11636
<211> 331
<212> DNA
<213> Canis familiaris

<400> 11636
gcagcttgga tctgcccagc cctgtgtctc tgtcagagtt tgggatgatg ttcccggtat 60

tgggccctcg cagtgaatgc agtggagcct catcccccga atgtgaggta gaacgaggag 120

accgggcaga aggagcagag aataaaacaa gcgacaaagc caacaacaat cgaggtctca 180

gcaacagcag tggcagtggc aagagccaaa gcaacacctc ccgtgagggc caggccttgg 240

agaacaggat gaagcagctc tctctccagt gctcaaaagg aagagatggg attattgctg 300

acataaaaat ggtgcagatt ggctgatcca t 331

<210> 11637
<211> 419
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(81)
<223> n is a, c, g, or t

<400> 11637
gaaaattccc aatgagccca tccggggaaa gcgacatgga gcntttgtgc aggcagagat 60

aaaaccaggg agtaggccaa nagttcctaa gggaacagag gtattacgga atgctccggg 120

gtcatgctca tcagaacagt ccaaaaaaac agagaaagga aactcagcgg aaagcaaaat 180

gatctcacca ggtctctgcc gacaaaattc cccagagctg ctagagactg aaactcactt 240

atcagaaaca gacgtcagag aggcagccaa ggcatgcccc agaagtcctg agagaaggga 300

gaaggttgca gacatcttcc aaataactgc agtaaatgct cttctcccca ggcatgatcg 360

tttaaatcca ccaataaaaa gtcaggataa atcaggataa attaccttct tcaagacaa 419

<210> 11638
<211> 85
<212> DNA
<213> Canis familiaris

<400> 11638
acaaaaatct aatccttgga atggagagaa atttcagaat catacaaacc ctcacaggtt 60

gctttctctt atatcaataa cctca 85

<210> 11639
<211> 187
<212> DNA
<213> Canis familiaris

<400> 11639
gaggagcccc tgcagaaacc cgtgccctgc tggctctacc tgggggatct gaagatgtgg 60

tccacccgcc tgcgacctga gatgcaggtg gaaacctgcc atgtcccgtg caaaacatca 120

acgctggatt tcatcacctt tgacaacttt gagatcagcg aggagtcaga atccgtgtgg 180

ctcacct 187

<210> 11640
<211> 462
<212> DNA
<213> Canis familiaris

<400> 11640
ttgtgcactg ctttgcaggc atctcccgca gcaccaccat cgtgacggca tatgtgatga 60

ctgtgacggg gctaggctgg cgggacgtgc ttgaagccat caaggccacc cggcccatcg 120

ccaaccccaa cccaggcttt aggcagcagc tggaagagtt tggctggggc agttcccgga 180

agctccgccg gcagctggag gagcgcttcg gagagagccc tttccgcgac gaggaggacg 240

tgcgcgcgct gctgccgctg tgcaagcgct gccggcaggg ctcggcggcc gcggccgcgt 300

ccccggcggc gcactcggcg gcctcggagg gaaccctgca gcgcctggtg ccgcggccgc 360

cccgggaggc ccaccggccg ctgcccctgc tggcgcgcgt caagcagact ttctcttgcc 420

tcccgcggtg tctgtcccgt aaaggcggca agtgaggatc cc 462

<210> 11641
<211> 325
<212> DNA
<213> Canis familiaris

<400> 11641
gagcagagag catcaatccg attcaagacc actctcatga atactctcat ggatgtcctt 60

cgccacaggc caggatgggt ggaagtaaag gatgaaggag agtgggattt ctactggtgt 120

gatgtcagct ggctccggga gaactttgac cacacctaca tggacgagca cgtgcggatc 180

agtcacttcc gaaaccacta tgagctgacc cgcaagaact acatggtgaa gaacctgaag 240

cgattccgga aacagctgga gcgcgaggcg ggaaagctgg aggcggccaa gtgcgacttc 300

ttccccaaaa ccttcgagat gccat 325

<210> 11642
<211> 150
<212> DNA
<213> Canis familiaris

<400> 11642
tccccgtgga gaactacgta gctcagcgct atatcgaaaa ccctaccta ataggaggcc 60

gcaagtttga tctgcgtgtc tatgtgctgg tgatgtcggt ggctcctaga ggtcaacgcg 120

tccccatcgc tgacagccag cagccaggag 150

<210> 11643
<211> 295
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (51)..(51)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<400> 11643

caccagactt cagtcgggct actggncacc cagcagtccc gagatcggtc nccgtcccct 60

cttcgggggc aacgtggtcc cgagccattg cccncccgcc ggaccaggac cttctcagcg 120

acggtgcggg cttctcaagg tcctgtctac aaaggagtct gcaaatgctt ctgtcgctcc 180

aagggccacg gcttcattac cccggccgat ggcggccccg acatcttcct gcacatttcc 240

gacgtggaag gggagtacgt ccccgtggaa ggcgacgagg tcacctataa gatgt 295

<210> 11644
<211> 266
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<400> 11644
gaagatagcg aagctcctct gcagagaaac aaatncaaaa gccctagaac cgggtggtgc 60

cgagctcggg gctctagccc ggctactagc tgncacggcg ggaagtggag ccagcgcggt 120

gagcacctgc ctgtgctact gtgccntcta cctggccatc tggaaaacta ctgctgcacc 180

aacgcaagaa aaatgtaaaa aggaagcctt gggtgaggtg acatttttca ggtgttattc 240

aaatcctaca gctgggtaaa tgcaag 266

<210> 11645
<211> 366
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (147)..(147)
<223> n is a, c, g, or t

<400> 11645
actctcacct aagtcagcga gctgtcccca ccaaggctgc ggggtggcag ctcggctcac 60

ccatctcagc tgggtttggc gtcagtcngg atcctctcaa ggtgtcacag ctgtctcccc 120

tgtcacgaag actccgatgt gaccagngca cgagcctacc agaggaagcc ctcgatgatg 180

tcacccagtc cctctaccac ctgtctgctc ccggacatgg ggacatcatc agatgccccc 240

attccagggg atgcagggag ggggaacttt gcactaatca ggccccagct cacctcacag 300

acatggcaca tccatcaggg ctgttcaaac actgtggaaa caagacttgg gcgcattctc 360

aattcc 366

<210> 11646
<211> 500
<212> DNA
<213> Canis familiaris

<400> 11646
gagctgagtc tcataacacc attaagggtc agtggctggt taggcttcaa ctcattaacc 60

atccattatg tgccttggag gagtataaaa gtcataaatt ccacattggg tcagataagc 120

cacttaccta acaccatgtt ctgtccctga agtggaaacg agagttcttc cattaaattg 180

gcctcatagg ttaagggctc cgaacatttt tgaattcctc ttcataatcc actataaagt 240

aatcatctgt gaatttgaca tactgatttt ttaatcttac aggcccttag gatagagttc 300

caatgtttat cctccctttc cataaagaag tacatatttt catttgtctg caaactattc 360

cctttaagct tcagaacaac tcctgagaca atgtttacca tatgatctta tgattcagct 420

ttcttctctg ttctgtgatt cctctctaca gaagaccaga ggagtcctaa aaccacattt 480

tttctcccaa gtcagtcata 500

<210> 11647
<211> 214
<212> DNA
<213> Canis familiaris

<400> 11647
ggacagcctg cgagactcag tcaaggtcac ggacagcctg cgagactcgg tcaaggtcac 60

ggacagcctg cgagactcgg tcaaggtcac ggacagcctg cgagactcag tcaaggtcat 120

ggacagcctg cgagactcgt caaggtcacg gacagcctgc gagactcagt caaggtcatg 180

gacagcctgc gagactcggt caaggtcacg gaca 214

<210> 11648
<211> 495
<212> DNA
<213> Canis familiaris

<400> 11648
ggagctgata ttaacaaggc ccttcttgca aagagaaaaa gactagaact gtatactaag 60

gcttctctca aaaccagcaa ccagaaaatt gaacatgttt ggaaaactca gcaagagcaa 120

aggcagaagc ttaaccaaga atattctcag cagtttgtga ctttgtttca gcagtgggaa 180

atggatatgc agaaaattga ggaacaagaa gaaaaactag ctaacttgtt tcgacagcaa 240

caaaagattt ttcaacagtc tagaattgtt cagagccaga gactgaaaac agttagacag 300

ctatatgagc agttcgtaaa gaatatggaa gagttggaga agaatcatga taacctactt 360

actggtgcgc aaaatgaact taaaaaagaa atgtctatgt tgcaaaaaaa aattatgatg 420

gagactcagc agcaagagat ggcaagtgtt cgaaagtctc ttcaatccat gttattctga 480

tgactctttg aagga 495

<210> 11649
<211> 198
<212> DNA
<213> Canis familiaris

<400> 11649
gagcctgtgc ataaggttgg tgttttctta gactatgagt ctgggcatat agcattctac 60

aatgtgacag atgagtccct catctacagt ttccctccca cctctttcca agaggctctc 120

aggcctatct tctccccttg cctcccaaat gaagggacga acacaggccc tcttatcatc 180

tgttcaccga atagttat 198

<210> 11650
<211> 560
<212> DNA
<213> Canis familiaris

<400> 11650
gagctgtcac tttggatcct aatacagctc atccctgtct ggtcttatct gaggatcgga 60

gaagtatatg tctcaggaat gtccagcagg atgtgcctga cggccccggg aggttcatct 120

tcgaggccac cgtgttgggg gtggagagct tcacttcagg gaggcactac tgggaggtgg 180

atgtggaaaa ggcaaccagg tggctgttgg ggatatctga agactctggc agtggacaca 240

gtgacctacc cactgctgcc agagataaag tcttactcat aggttctagg atgggaacta 300

attacacgtt ctgggtcttt ccccctctga agaaggtctc cttgagggga gagcagatgc 360

acaaagttgg agtcttccta gactgcaagt atgggcagtt atccttctat gatgtgacag 420

atagatctct catttataat ttctcttctc ttaccttccg gggagctgtc agacccatat 480

tttctctttg tatcccaact ggaggcacaa attctgactc actcagtatt tgctgtcctc 540

atgttgcgtc ttgtgatgtt 560

<210> 11651
<211> 542
<212> DNA
<213> Canis familiaris

<400> 11651
gttgatggac caggttcgct tccaagaact ccagctccaa ctggagcagc tgaccatcct 60

gggggccgtg ttgctggtct ctttcagcat ggcagcccca ggaatttcca gccaggctga 120

ctttgctgag aaactcaaga tgatcgtgaa gattctgcta acagatatgc atctgccctc 180

cttccatctg aaggatgccc tgactaccat cggggagaag gtctgcctgg aggtgagcag 240

ttgccttgcc ctgtgtgggc tcactccctt caccgcggaa aaggaggccg tgctcaaggg 300

ccagatccag gctgtggcca atcccgacga ccccatccgc aggatcatgg attcccgaat 360

cctgatcttc ttagagagct accttgccac aggtcatcag aagccagtgc ccacggtacc 420

cgggggattg ggcccggttc agagagagct ggaggaagtt gctattaaat ttgtgcgcct 480

ggtcaactac aacaagctgg tcttcagtcc ctactacgat gtcatcctca gtaaggtcct 540

cg 542

<210> 11652
<211> 424
<212> DNA
<213> Canis familiaris

<400> 11652
tggagccgta ttcgtacctg gtaaaagcag gagttgcttc cagtgataag ctacaggagt 60

ggctccggtc tccccgggat gcagttagtc caagatatga gcaagacagc ggccatgaca 120

gcggaagtga agatgcctgc tttgattctt cccagccgtt cactctggtc accataggca 180

tgaagaagtt tttcataccc aagtcagcca cttctgccaa tgaacctgag aatagggttc 240

ttcccatgcc aacaagtata gggattttcc ttgactatga taaaggcaga gtggctttct 300

atgacatgga tcacatgaaa tgcctttatg agcgtcaggt ggactgttcg cacacaatgt 360

acccagcatt tgcattaatg ggcagtggag gaattcaact tgaggaaccc atcacggcaa 420

agta 424

<210> 11653
<211> 59
<212> DNA
<213> Canis familiaris

<400> 11653
gagaggagca gaataatgcc ttggtgtaac cttcgtaact aattacatat catccaagt 59

<210> 11654
<211> 161
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (43)..(43)
<223> n is a, c, g, or t

<400> 11654
gtgaactgga cagagccaca gaaccaccag ccctgcggga ggntggagcc tcagacagtg 60

cccagggcaa gctggcctgg ctggaggccg ccctgcagcg agccaagcac gacatggtcc 120

ggcagctgcg cgagtaccag gacctcatga tcatcaagct g 161

<210> 11655
<211> 463
<212> DNA
<213> Canis familiaris

<400> 11655
gggcctccat cgactttgag caaacatcag ccacatacaa ccacgacaag gctcgctcct 60

actggaactg gatccggctt tggaactatg cgcagccccc agacgtgatc ctcgagccca 120

acatgacgcc tggcaactgc tgggccttct cgggtgaccg aggccaggtg accatccgaa 180

tggcccagaa ggtctacctg tccaacctga cactgcagca catccccaag accatctcac 240

tgtcgggcag cctggacact gctcccaaag acttcgtcgt ttatggcatg gaaggctctc 300

ccagggagga ggtgttcctg ggggcatttc agtttcagcc agagaacatc attcagatgt 360

tccagctcca gaaccagcct gcccgagctt ttggtgctgt caaggtgaag atatcgagca 420

actgggggaa cccacgcttt acctgcctgt accgagtgcg tgt 463

<210> 11656

<211> 303
<212> DNA
<213> Canis familiaris

<400> 11656
gcaagaatta ttgcccaggg cctcatgaag tacaatgcag agggccggat ccagaatatc 60

cgcctcatgg acagtctgaa tgcctcaggg cagatggctc cagggatggt gggctggtta 120

ataggcagca tgagcctcca gcatcagcaa gaaagcaggc ccttcaataa caagattgta 180

aagacacatg tgtgcatgaa cctcgttgtg gagttctggc tggagaaaga tgagtttggc 240

cggagggatc tggtgatagg agattgccat gtggagccga gtagcatcta catgacagtc 300

cta 303

<210> 11657
<211> 453
<212> DNA
<213> Canis familiaris

<400> 11657
tcagcaagaa agcagcgcca acatcaccaa cattcagcta gactacagtg ggatccagat 60

gtctttccat aaggagcggt tctcagcaaa catcttattt gaatttgaca ttgacttgag 120

actgcccttc aataacaaga ttgtaaagac acatgtgtgc atgaacctcg ttgtggagtt 180

ctggctggag aaagatgagt ttggccggag ggatctggtg ataggagatt gccatgtgga 240

gccgagtagc atctacatga cagtcctaac tgaagatatc tcaccaaaga tgaaacattt 300

tctccacaac ttcagaggga ccctggcaaa agttatccca aacccagtag aaagtcaggt 360

gtgtcctcta atcggtgaaa tcctcagaca gctggacgtg aaactgatga aaagcctcat 420

gggtcccgag atccctgccc atggctgctc aat 453

<210> 11658
<211> 572
<212> DNA
<213> Canis familiaris

<400> 11658
gtgattctga acatagccac tgtcagtgtg agaatccagt tctcccagga ccaaccaaaa 60

agcccttcag tggtgacaag attgaattgc ttatcctgaa ggccaagaga aatctagagc 120

attgtagtga agagttaccg aagtctacaa aaaaggatga tagtccttgt tcgttagata 180

aacttgaagc agaaagatca tgggaaaata ttcctgttac tttcaaatct cctgttcctg 240

ttaactctga tgatagtcct caacaaactt cacaagcaaa gtgtgctaac gggttccttg 300

aagatttttt aaatgatgat aatcagagtt gtacccttc tggagggaaa catcatggtc 360

ctgttgaagc cttaaaacaa atgttattta atcttcaagc agtacaggaa agttttaatc 420

agaataaaac agcagaactg agagaagaga ttaatcaagt ttcagaagac aatttctcta 480

aattgcagtt gaaggaaagt atggttccta ttactaggtc acttcaaaag gctttgcacc 540

atttatctcg cctgcgagac ctggttgatg at 572

<210> 11659
<211> 523
<212> DNA
<213> Canis familiaris

<400> 11659
atcagctcat agcagttgac aaccaacttc tgcatgtaaa ggacttggaa tttttactga 60

acaaattgat gaagctgtgg aaaatggatc taaatggaaa tcctgtttgt ctcaaaccca 120

aatacagaga cagactgata ctggtgtcca agtcactaga atttcttgat ggaaaagaaa 180

ttagaaacat ggaaagacaa ttcctaataa attggaaagc atccaaagat gccaagaaaa 240

tcagcaagaa aaggaatagt caaactgaag atgcaagtaa ctcacacata agtaactttg 300

aaacaatgca tcacatagtt gcttattacc tacagatggg taagccaaaa gtagtttttt 360

tctctgatat acacagatac cttccaaatg gaaatgcatc tgcagaaagc tcccaagaag 420

ataaccctaa aattattgaa gatctgggga atctctcttt ggtggaatct gaaagcttgc 480

tgacaaaaga tatacttgaa cttcactttc tctgtaactc aag 523

<210> 11660
<211> 124
<212> DNA
<213> Canis familiaris

<400> 11660
tcaaaaaaga taactgtttc cagcaaggct tctaaaaaat tccatggaaa tctatatcgt 60

gttgaaggag tgattccaga atcgacaact aacctatctg atttcctcta caaacctgaa 120

aaca 124

<210> 11661
<211> 131
<212> DNA
<213> Canis familiaris

<400> 11661
cagttctaac agtgtggatt ttccagcata tcctccatct tcaaattatg tccgtggtta 60

taaccatgct tgtggctata tatgttctcc tctgcaagag aacccagcac attccaaact 120

agtgatgttt a 131

<210> 11662
<211> 490
<212> DNA
<213> Canis familiaris

<400> 11662
aagctcctac atggttgact atcaacccta cgggaaggac aaatactcca gggtcacacc 60

acaagagcag gtgaagctgg atgcccaact ccgggacaaa gaattgtata ggcccatccc 120

cagctccaag cccaagctag aggatgggta ccccgccttc agaacactcc acatgaccgc 180

cagagacctg gggcagcccg gcttcttccc cccgcaggac catgggaccg cagcagagga 240

cgaatgcagg ttcaccagta tctgccgttc cgtgtacccc gcttgccacc ccctgtacct 300

ggcccaaggt gatcccaacc ggggccgcca gagcaccggc tttccatgcc tcctggagcc 360

tgagcgccag cctgcggcgg acgtgggcaa aggctacttt ctactgcctg gctgtctctg 420

tccttatcac cacaaagtca agttccccat cttgaaccga tggggcccct tgatgccatt 480

ttaccagtag 490

<210> 11663
<211> 562
<212> DNA
<213> Canis familiaris

<400> 11663
gtatatttgc cttgattctg tagaaagttg taatctgttt aaccagcata gtgatacaga 60

tgacagcgga gtcagctggg aatctgagtc tgagagcctt aatgaagcac tgcggaggtt 120

taataagaat gtggagacat ttcctcctct gacggatttt agaacagaaa tgccttgcct 180

tgcagaatat gatgatggct tatggtatag agcaaagatt gtgtctgtta aagaatttaa 240

tcctctagct gtcctggtac aatttgttga ttacggatca actgaaaagc tgacaataaa 300

cagactacgt caaattccac ttcaccttat gcagtatcca gcccgagcca taaaggttct 360

cttggcagga tttaaacctc ccttaagaga tccaggaaag acaagaatac catattgtcc 420

caaatggagc atggaagcat tgtgggctat gatagactgt cttcaaggaa aacaattgta 480

tgcttcttcc atggctcagg caccagaaca aatagtgacc ttatatgaag atgaacagta 540

tccagttcat atgtcacttg ta 562

<210> 11664
<211> 150
<212> DNA
<213> Canis familiaris

<400> 11664
aagatgctga tgaggctatg agtaaatatc tatcagaaaa attaaagttg agagacagat 60

ggcttggagt ctggaagact aaccctgagt tattctttgt gaaatatgaa gaagcttcta 120

tccctttttgt tgctatactg gttgaggtaa 150

<210> 11665
<211> 336
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<400> 11665
caagcggcgc ccgagaaacc gagaactgga tactttgcct cattcacttg tactgtancg 60

atgtatataa tttggtggta tttcactatt taatttttaa gaagcctatt ttactagtgt 120

tttatatgaa aaaaatactg cagaagttaa acctgtgttg tatttttcct gagatgcttt 180

gtgttagtga ctactgagac cctttccgct cggtttttat atgcgggaaa cagagtttgt 240

acgggctatt tttgtatcac ccggtaactt gcaaacagac caaatgagtg tgtggaggga 300

ggcgcaggcc ggggcccgtt gacacgctgt cgtttg 336

<210> 11666
<211> 289
<212> DNA
<213> Canis familiaris

<400> 11666
tggcagaatc cgcacatgct cttcctggat gagcccacta accacctgga tatcgagacc 60

atcgatgccc tggccgatgc catcaatgag tttgaggggg gtatgatgct ggtcagccac 120

gacttcagac tcattcagca ggttgcacag gaaatctggg tctgtgagaa gcagacaatc 180

accaagtggc ctggagacat cctggcctac aaggagcacc tcaagtccaa gctggtgggc 240

gaagagcccc agctcaccag gaggacccac aatgtgtgca cccggacat 289

<210> 11667
<211> 544

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<400> 11667
gttctatagc tatcttcagt ctggcatgtg atcagagatt ttgatacttt tggatgtgta 60

aattggacgg ggcatggctg atggcgagag agaagagttt ttggttcccc attccaactc 120

ttctgcagtg tgtttgtggc agtgttgtta gtcaacttgt agtgatcagg ttgagagatg 180

gcataaaact cccccaaagt gcaaaaggaa caacaaccca ttcacagatg ctgttcttct 240

cccacaggcc tggaagtaac tccttttttgg aaactgcact ctcagttcct tttccaacac 300

ctgccccatc tgccatggag aggcaccgtg gagaatgctt tctaactctc ccttgttcct 360

ttacatncta tacatgggtt atagactctg aactctggat tggcattttc tctctttgga 420

ggancatggg gtcaaacagt gtgaggaagc agctttttct caagtttggc tcaacatgct 480

ttaggtcatt ttggcttaag agaacaggct cactcacagg gtccagtcta aatctctgtg 540

ttct 544

<210> 11668
<211> 186
<212> DNA
<213> Canis familiaris

<400> 11668
caggcaggca gagccagagc ccaagacatc agcgggcctc tgggcatttc tcggtacaga 60

caatgaaatg gcagcttatg atgtgccttg tggccgcccg gaagtgacga ccatctgttt 120

ggaagatttc ccaactatca ccccgtgcac agcgtgtgca cgagctgctg taagccttgc 180

tctcag 186

<210> 11669
<211> 446
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (123)..(123)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(272)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (284)..(284)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (359)..(359)
<223> n is a, c, g, or t

<400> 11669
atgagatcag acttgagagc ctgggggttg ggggggtggg caggggaaa taggaggagg 60

agagactgta atacaaacnc taggagagca agtgnctgga aaganctggt gcagaagnng 120

ggncncccct tgtaggtgag ggtgaccccg agacttngca gagaggggct gcctagatag 180

aagacctgga acaagtgtga gaacccggag atgtacagtc taggctgggg ctgggggatc 240

ataagtaagg gctgagatcc gagcagcaaa nncctggcct catnccatgc ggggccccgg 300

aggggaggct tttaccctag agagaaaagc atgggggatg gagtgttggg ggctttcang 360

caagcggaca gagcacacag cgagcagctg gggcgaggga gtgtgccttt tcttcccgga 420

cagtttcctt ccctcacggt tatgct 446

<210> 11670
<211> 293
<212> DNA
<213> Canis familiaris

<400> 11670
aacctgtccg atgggcagaa gtgccgagtg tgtctggcct ggctggcctg gcagaatccg 60

cacatgctct tcctggatga gcccactaac cacctggata tcgagaccat cgatgccctg 120

gccgatgcca tcaatgagtt tgagggggggt atgatgctgg tcagccacga cttcagactc 180

attcagcagg ttgcacagga aatctgggtc tgtgagaagc agacaatcac caagtggcct 240

ggagacatcc tggcctacaa ggagcacctc aagtccaagc tggtgggcga aga 293

<210> 11671
<211> 565
<212> DNA
<213> Canis familiaris

<400> 11671
gaaaattacg ctgctgccgt ggattgttac acacaggcaa tagaactgga tccaaataat 60

gcggtttatt attgcaacag ggctgctgct cagagtaaat taggtcacta cacagatgca 120

ataaaggatt gtgagaaagc catagcaatt gattcaaagt acagcaaggc ctatgggaga 180

atgggactgg ccctcactgc cataaataaa ttcgaagaag cagttacaag ttatcaaaag 240

gcgttagatc ttgaccctga aaatgattct tacaagtcaa atttgaaaat agcagaacag 300

aagttaagag aggtatccag tcctacagga actggattga gctttgacat ggctagttta 360

ataaataatc cagccttcat tagtatggca gcaagtttaa tgcagaaccc tcaagttcag 420

cagctttctc tgggcattgg tgttatgact ggaagttccc taattcatac cactttgcct 480

ctttactaca ggggacagca gtttgctcag cagatacagc aacagaatcc tgaacttata 540

gagcaactca gaaatcacat ccgga 565

<210> 11672
<211> 448

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (44)..(44)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (50)..(50)
<223> n is a, c, g, or t

<400> 11672
gaagggctat atctcccgag ttggagtggt ggactgcttt gacnccaacn ccggggatgt 60

ggtccagtgt atcaccttcc ccattgactt caaccaccgg cccctgctct ctttccatca 120

ggacaacatc ctctgtgtac acagccaccg gcagagtgtg gaaatcaatc tgcagaagat 180

aaaggccaac aagacgacca cctcggtgcc tctcttgcct aacaactgcc ccttggatgt 240

gtcccatgct atatgctcca ttggagacag cagagtgttt gtgtgcgggg gtgtcaccac 300

aaccagcgat gtccagacaa aggactacac catcaaccca aatgcctact tgttggacca 360

aaagacaggc gagtggaaaa ccctggcccc cccaccggag gcactggact gtcctgcctg 420

ctgtctagcc aagctaccgt gcaagatt 448

<210> 11673
<211> 280
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<400> 11673
aataactttt ctcctcctct tctcaacgtg agcaagtctt atttccaaga agcttggnta 60

aaacatgcct catcattccg agatgcaggt attacacaca tgaagaactt gatgtgacan 120

ggagtggaac tcgtgaaaag cactgctgag atgtctaatg tataaatcca agggcttcca 180

tactgacgta cttggcaatc ttttgcatgt tgtgtttcaa aggaatgttt cacttagtaa 240

atcagtcaaa agactattct tttgttgtga ttgtttccca 280

<210> 11674
<211> 353
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (220)..(220)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (235)..(236)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (238)..(239)
<223> n is a, c, g, or t

<400> 11674
gcaaacgtgg tatgggtcca acccatgaac aggttaagct tctgacaaga gagggaaaag 60

acaccccagc caatgggagc tcgtgctggt gatgtactgc tcccagttct gattcattgg 120

ccgcctaggg tttgtcattc tatccccgcg tctgcaaaca gcgtgggtcg gttttctgta 180

gtccagctag ctaaactgga ttttggccgc ccngcatatn cagctgcagt taggnncnnt 240

tgctaacttc taatggaagc agctcttaac gtttctgatt atcctcaaga aaaatcttgc 300

gttccttaaa ccttgctgga ggtcgttgga ggtcccctgt gacagaatca cgt 353

<210> 11675
<211> 512
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (293)..(293)
<223> n is a, c, g, or t

<400> 11675
gaaaaactta atcttgaaac agcattacaa gaatctattg ctgctagaca aatgatggaa 60

agagaaattg agaatattca aacataccaa tctactgcag aagagaattt tctgaaagaa 120

ataaaaaatg caaaatcaga agcaagtatt tataaaaata gtttgtcaga aatgggcaat 180

gaatgtgaaa tgttatcaaa aatggtaatg gaaatcaaaa cagataatca gattctaaaa 240

gaagaactaa aaaaacatag taaagaaaat atgaaatttg aaaacagcat cantagactt 300

tcagaagaca aaatactttt agaaaactat gtaagaagta tagaaaatga aagggatacc 360

ttagaatttg agatgcggaa tcttcaaaga gattatttaa acctaagtga aaaaatacgt 420

agtacacaga gtgacctatc aaaaatgggt tatatttcaa gaagagagaa attccatttt 480

gatacttatg aagacgcctc tggtcctagg ag 512

<210> 11676
<211> 160
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)
<223> n is a, c, g, or t

<400> 11676
agcgggagcc gctatgatgc catttgggaa aagggactgg ttgtgaaggg cacatncaca 60

ttctcagatg ggctacagta cgantcggag cactggcatt actgtgacag ctatgatngg 120

aggttttaca ccgagatctg ctacggcttg aagcctgcag 160

<210> 11677
<211> 52
<212> DNA
<213> Canis familiaris

<400> 11677
gaaaggaatt ccaagtcaac tgcatcaatt gcttccatct aagatatgta aa 52

<210> 11678
<211> 407

<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<400> 11678
gatgcacggc tttacgggtc acaaagactg gatggacaag tgtgtgtgtc tcttgactgc 60

cttctccgag cgcatgcgcc gtgtccctgt ggcattgcca gagatggtcc gcgccctctc 120

agcccaccag cagaccctca agcagatcgt gatctgtgga gatccccagg ccaaggatac 180

caaggctctg ctgcagtgtg tccnctccat ctacatccct aacaanggtg ctgatcctgg 240

ccaacngggg nccccctccag tttcctgtcc cgccagctgc ctttcctgag taccttncgg 300

cggctggaag accgggccac ggcctacgtg tgtgaggacc aagcttgctc aatgcccatc 360

acggagccct gcgagttacg gaaactgtta caccaatgac ttcctcg 407

<210> 11679
<211> 232
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<400> 11679

agactgtggc tttttgctgc agacaatgga aatccaaaag ctagtgtgaa ggctcaaagt 60

atcctaggat tgtattattc aacaaaagag cctaaagact tagaaaaggc attttattgg 120

cactcggagg catgtggcaa tggaantctg gagtcccaag gtgcacttgg actaatgtat 180

ttttatggac aaggcatccg ccaggatact gaagctgccc tggagtgctt aa 232

<210> 11680
<211> 512
<212> DNA
<213> Canis familiaris

<400> 11680
acatcacttt gatcagcctt cagtagcacc aaggaaaaac tactctttca caagagagga 60

ggtgagacag attgataggg aaaatcagag gcttttgaaa gaactctcaa gacaggctga 120

aaaatcagga agcaaaagta cgattcctag aagatctatt gttcatcccc ctaagttata 180

tcatagtgcc ctcaacagac agagggaaca acaaaggatt gaaagagaaa atttggcttt 240

attgaaaagg cttgaagctg tgaaaccaac agttggtatg aaacgctctg aacagctgat 300

ggactatcat cgcaatatgg gttatctcag ttcattaccg tcctcaagaa gagtgagatc 360

aactcttggc cagtatagcc ccttgagagg agcttctaga acatccagtg ctaccagtgg 420

tctcagttgt aagagtgagc gaccagtttt tgacacatcc agtggcctgt tgctaagacc 480

taagccccct aatgttcgta cggcttggtt at 512

<210> 11681
<211> 219
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (145)..(145)
<223> n is a, c, g, or t

<400> 11681
gcctcggtgc cgagaacgac attttcatct acatggcgtt gatttacctg ggcagccccc 60

acaaaaacct gaagcggatg gccatgaagt tcatcggggg catcctgcag gactacttta 120

ccgacctctg cttttccctg aagangggcg acctgaaaat cttcaagaaa tacttggagg 180

tcctgaagaa ggactcagac tccgtgagcc gcagattct 219

<210> 11682
<211> 136

<212> DNA
<213> Canis familiaris

<400> 11682
aaagggatgt gaggtttcat gaactggaac cggatccagg atgctctgca atcacaccct 60

aggatttgta ataagttcaa gtgttcatgt caccttgtc ctcattccct cccaatgttc 120

cttctcaaag ttagag 136

<210> 11683
<211> 568
<212> DNA
<213> Canis familiaris

<400> 11683
agatatacca gcgaagctcc tccttgttgt ccttcaatgc cacgggtggt gagaaggcca 60

agatgggtct ggaagcctat gggcgagccc aatctgcctc acctgccaaa cccacagatg 120

gcctctatac atactggagc gcaggggcag aaaaccagtc tgtgcagaac agcaacagct 180

tccacaactg gtactcattc aatgatggtt ctgtgaagac cccaggccca attgttatct 240

accagactct ggtgtatcct agagccgcca aggtttattg gacatgccca acagaagatg 300

tggactcttt tgagatggaa ttttatgaac tcattactac ccctcctaac aatgtgcgga 360

cagagctttg tgggcaaatt cgggatataa tgcagcagaa tctggaactg cacaatctga 420

cccccaatac tgagtatctg tttaaagtta gagccatcaa cgacaatggt cctgggcaat 480

ggagtgacat ctgcaaggtg gtaaccccag atgggcgtgg gaagaaccga gctaagtggg 540

gcctgctgaa gaacatccag actgccct 568

<210> 11684
<211> 58
<212> DNA
<213> Canis familiaris

<400> 11684
aggccctggg caacaaccag tacctgagcc aactctttga ggagaacacc tactccca 58

<210> 11685
<211> 559
<212> DNA
<213> Canis familiaris

<400> 11685
ggagaagctt cctattactt gggcttagca cacctagctg ctggagagta tgaaacagca 60

ttaacagtct ttaacactta cagtaaaatc tccacagacc tggatgatga tctcagcctg 120

gggagagcct atgaagcaat agccaaggtc ctgcagagcc aaggagagat gacagaagca 180

attaaatact tgaaaaaagt tgtgaaaatt gcaagaaaaa attttcaaag cctagatgtt 240

gtgagagcaa gtacaatgct tggggccatc tacaatgaaa aaggatacta caacaaagct 300

tccgaatact ttcagcaagc ttttgacaca acagcagagc taacaaactt gcgtcaaatg 360

gatgagacga aagttcatta tggaatagca aaagctcatc agattatgcc gagagttaac 420

aattatatcg agtctgcaga tctcactagc cttgacttcc tgctgtcctg gaaggaaagt 480

agaagcaaaa ttgcatgtga accaactatg ggaggatcta gaagatccac aagggaaagt 540

ttatgtcaaa tcccagaga 559

<210> 11686
<211> 395
<212> DNA
<213> Canis familiaris

<400> 11686
ggaactctga gttgcctggg acacggcaaa gcgagccgcg agtctgctgt ggtgcatcga 60

ccctctcctg aacctaccag ccagcttccc tgtgagacag ctcacctatg agacgttatg 120

ccatgagaaa tcccaggata gccacgtaaa gaaagaaatc tcaagcagcc accacgacta 180

cggccctctc attccaggca tcagacctgt gagtgaaatc acgttcctag gactttatcc 240

tcaccagcta tttgactgca accacataag aaactccaag ggagaaccac tcagatgagc 300

caacagagca atgaaacaaa taaataaatc atggttttaa gccaccaaaa tttgaggaag 360

tttgttaagc agcatatcag acatatttcc tccct 395

<210> 11687
<211> 371
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<400> 11687
aaagctgccc tcagatgtat tggcaaactg ctctcaggac tgtcctcttt ccacagaggt 60

ctcatttttc catggaatgt gcagaaagaa ctgggttggg atgtagaggt gaggagggga 120

taaagcagtg attaagaaga agaggacttc acaccagctt caacccttg gagagacatc 180

tttattctgt gcatctgaag agaacagcac cagagtaagg ccaacattaa gcttgaagaa 240

tcagagtttg gcattcagga aaaaattctg atgaagccac tatccatgga gaaaaagaaa 300

gcaattaaaa taattttaac aacanagagg ctcccaaatt tgtggataag tttggaccta 360

gctgtgcttg g 371

<210> 11688
<211> 528
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (94)..(94)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (112)..(112)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (172)..(172)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<400> 11688
acacctgctg cattcaagag ttcacatacg tctgcagtca caaagcctac agtatcagat 60

aaaaggtcag ggatggcgac agcagcagcc atcncagatc caggaggaag cncaggagaa 120

agaccatagg gggtgcattc ggcatgtcct aatattgttg taagcaaggg cnancaagcc 180

cttcttgtct tcagagggca cttctagcac atcaggagga gctactggct tcttctcaga 240

gggagaacaa atctggtgat tccaagagca gaaactactg gcaagcctgt ggcaaaaaca 300

gctaacagct cagtattgag acccttcatt acaacctcag agtaaaggct acatgaatga 360

acaggatgga agccagaggt ctccacccag cagtactgac tctttaggaa agagcctcaa 420

agccctgcac cacaccatgg tgcagaggtg gacatctcat ataagactgt ggaggagatc 480

agtgtcatcc accctcacac aattcatctc aaattctctg ctctaatc 528

<210> 11689
<211> 155
<212> DNA

<213> Canis familiaris

<400> 11689
gctcggcaaa gaaaagggag tgtctttgat gaccttgcat gaaaattccc ctaaaatagg 60

cagcagtcag cagtgaagga agcctttgga gcaggggcat ctggaagcag cgaaagtgga 120

cacagacaga gagggagcat gtcaggtgtg tctta 155

<210> 11690
<211> 478
<212> DNA
<213> Canis familiaris

<400> 11690
ttatccaagg ccatagaccg tggacagaag ggacagcagg agacgcctgt ctttgtcatc 60

agtcactctg cctccgtaat tacattcccc tggagataac caacaggaag aagttgagct 120

caagaaaggt cataatgaac ttggttgcta cctaaaacag gattcttcca gctaaggaac 180

tctgctgaga tacagagttg ctgaaactaa tgcttacctt gggatgacac caggcctttt 240

tggtattacg tttgctacaa aaatagtacc tgttcaccat ttaggaagca gaaataaact 300

gaaagaaaaa ctatacaatc accaataatt ccaccagagg taactataaa catttaggcc 360

tcttctacat gtatgtgtgc atgtgtgtat acatacatga aagccattac agagaggtgg 420

ttcagggcaa gcactttagc atgagacagt cctggattcc attccaacag tttctcat 478

<210> 11691
<211> 358
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (305)..(305)
<223> n is a, c, g, or t

<400> 11691
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ggtctccgag gaccaggctc gaagggccat cggtgaggtc tttgagggcc agaagagggc 120

aaactcgtgg cccagcagga tccagagtcc catggaaatc ncctccatct tctcagacta 180

ctatgatttg ggctacaata tgcgatcaaa cttgtttcaa ggggccccc aggagacgaa 240

gagcctcatg aaggcctcct atactccaga ggtgattgag aaatcagtga gggacataga 300

gcacntggca tggcaggaag acggatgatc tgggacggtg gcaccagaaa aatgctat 358

<210> 11692
<211> 274
<212> DNA
<213> Canis familiaris

<400> 11692
attttcatag gagctgtgtt tggttatatt ctgcagccca agttacatta ccctgggtat 60

tttaagctga tgacatgtta ccttcattct taaatctgta attttgcaac tcaaaaccca 120

gctataggat caaattgcta agagaggccc aaaagaagat ccagctctta ggcctacaga 180

ctggcctatg tcacatcaaa tacagaaaac cattccataa agcaaatacc tttttctttt 240

ctttaaatag agcatccaaa agacttagtg cagt 274

<210> 11693
<211> 197
<212> DNA
<213> Canis familiaris

<400> 11693
aggcctcacc tggaatgttt tcaagaagct tctgctgtgc cctctgtttt gtttcctgac 60

ttcgttcttt gcttctgatt gtggtcggtg gtgccaattt cccatttggc caaaaagcat 120

cccggaaaac attgatgtag taaaccaaca tttgctcact gaaaatccag ctcactgtgt 180

cccggatttg tctttaa 197

<210> 11694
<211> 59
<212> DNA
<213> Canis familiaris

<400> 11694
caaaggattt agaccatgac gcatttcaac aaagatcatc aaccctaaca ccttagaat 59

<210> 11695
<211> 479
<212> DNA
<213> Canis familiaris

<220>
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<222> (211)..(211)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (259)..(259)
<223> n is a, c, g, or t

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<222> (289)..(289)
<223> n is a, c, g, or t

<220>
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<222> (295)..(295)
<223> n is a, c, g, or t

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<222> (352)..(352)
<223> n is a, c, g, or t

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<222> (362)..(362)
<223> n is a, c, g, or t

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<222> (368)..(368)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (394)..(394)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (411)..(411)
<223> n is a, c, g, or t

<220>
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<222> (414)..(415)
<223> n is a, c, g, or t

<400> 11695
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cctccctccc ctaggggcag agaaggcagg tgtagcctct catccccgcg acccggctgc 120

ctggctgggc taccctggga agttgtttga tccccccgggc tcagttatct tatctgcaaa 180

attgttatgc ccatgtagat tcagcagaca ncaccgggtc ttcggataca tctttcttgt 240

ctttctgcca ccctctgcnc cgtttcttgg ctccgagggg ggagtatgnc actgngactg 300

gctatttgag tcatccgagg aggagatgga gcctcgacat tgtccctctg cnccgggcag 360

gnccaggncc ggcttctgat atgggttctc cccnccctgc cctgggaaga nggnngcctc 420

tggccatagg ttggctttga gtgcccatgg tgcaggagtg agcctcctgt caacagaga 479

<210> 11696
<211> 208
<212> DNA
<213> Canis familiaris

<400> 11696
ccaaaatcaa aatggctgtc gccttagcga agatcaaccg aggaacatta attcaaggat 60

taaacagcat atctagatct tccaaatcag tggccaaact tctgcagcct cagcttgctt 120

gtagacttct agagctaagg ggcatatctc atcgtttgct gagggaagtt aatgcaccaa 180

agcaacccct atataatgtg caggtcag 208

<210> 11697
<211> 589
<212> DNA
<213> Canis familiaris

<400> 11697
agtaggacaa gcattgccct ggcctgcaag cttgccaagc actaggaacc caaggaagaa 60

ctcgtcatgc caatcaaacc tgttgggtgg atatgtgggc aggtgttgaa gaacttttct 120

ggaagaatcg aggggatcca gaaagtaatc atggacctta tagatgagtt taaagatgaa 180

ttccctacca tcctaagatt atcacagtct aatcaggtca gaaggggttc tttgtttgaa 240

atcatttctt ttccagcaaa gactgcttta attagcataa tgtatgcttc atatgcagca 300

ctcatttatt tggtaatctg tgttaatgct gtgctggaga agataaagaa aattttccaa 360

gaagaagaaa ccataaggca aaacagaaaa gagaatgaaa atcttagaaa agccttttct 420

gagcctgtgc tttctgagcc tacatttcct gaaggtgaaa tcaaagcaaa accttacagg 480

tcattaccag agaaaccaga cagtatttcg gatcgcccca aacttcctgc taataagttg 540

agtaataaga tccaagtttt acattctgtg tttgaccaat cagctgaaa 589

<210> 11698
<211> 137
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (33)..(34)
<223> n is a, c, g, or t

<220>
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<222> (36)..(36)
<223> n is a, c, g, or t

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<222> (48)..(48)
<223> n is a, c, g, or t

<220>
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<222> (50)..(50)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (68)..(68)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> n is a, c, g, or t

<400> 11698
agaatgagtt caaagaatcc tcaaancatg tcnncntctc aaatgtancn ctgnctttcc 60

aaggtgancg atgttttcgt actaccttga cagaagaaga aagtgagnca agttcatcca 120

aagggttgag tgctaga 137

<210> 11699
<211> 474
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (225)..(225)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (278)..(278)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (395)..(395)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (438)..(438)
<223> n is a, c, g, or t

<400> 11699
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gcagctaaaa acagatttct ttcccgtcat caatttccta ggagacaact ccgaaaaaat 120

ttcctcaggg ttccttacag taactgagag ggctgctgtg atgataaagg gataacgtat 180

acagagtgct ggcacaggat ctggcacacg atgctcaggg taagnctcca ttcctctgat 240

acctggaccc aaactggaca caagaaaact catccccncc gccaccacct tcatcatcac 300

catcatcatc atcatcatca tcttcttcat cttcatcact actgtcgcca gaaagtgcga 360

ggaagaggaa ggagaaagga ttgtcgtaca tactnccnca acaaaagcaa aaaaggtcat 420

cagggaacaa aggaaaanca agaggtggaa aagcttttgt aactgctgtc tctt 474

<210> 11700
<211> 232
<212> DNA
<213> Canis familiaris

<400> 11700
gaaccagtgg attgcttgct gaacaacatc ccaaacttct atttgacctg atgcccatca 60

tatggataaa accaaccaaa aagtctgaca ttgtgaagtc aaatgcctat gtctgtcccc 120

tctacaagac aagtgaacgt aaaggaactc tttccaccac aggacattct actaactttg 180

tcattgcaat gctgttaaag acggaccaac ccactcaaca ttggatcaag cg 232

<210> 11701
<211> 284
<212> DNA
<213> Canis familiaris

<400> 11701
tgctatgggc gagattggtt ttgaccagtt ctacatgttg gtctgcatcc tgctggcaca 60

acagaaccac ttggaagagc aatttatctt ccgtcattcc cggcctgttt ttgagctgct 120

tgacctggat ggggagctga gaattggtgc agaccacttc cacatgtaca actttctctt 180

caatattaaa aaacaggaac tcagagagct ctaccatgac tttgacatca caggtgatcg 240

tcgtcttaat tacaaggaat ttaagctgtt tactatcttc acca 284

<210> 11702
<211> 62
<212> DNA
<213> Canis familiaris

<400> 11702
gctccactca aaaagaaaag gccacatcgc tttattttga gctcaaaact tttttaggaa 60

ta 62

<210> 11703
<211> 567
<212> DNA
<213> Canis familiaris

<400> 11703
gaaggtaata cagctcttag gaaagattga ggcttccagt tctgagcaaa tctcaaattt 60

aaagatggtc cagggagatt atcgccatga aatgaacctt ttggagttca aatttaattt 120

actttcaaat aatctatgtg aggaaattga gaaccatcaa aaatggacaa aaaaccagtt 180

cgtcagctat gaaaaagacc accttggcca cataaatcaa tgtctgaagc tcctccagga 240

gaaactggaa aagtccgaaa acaaaatgaa agaaaaacta ttgcagcttt caagcaaatt 300

agagaatttc attaacacag agaaacagga agcagaacta agcaaagtaa agcatataga 360

aaataagctg tccaaaaaga tgcagcaact ggaaaagcac atttggggtg aattagagaa 420

aatgcagaat gaatatcaat caggatttaa atcaattcac gactctctca actcctcca 480

acaaatacag aaaacaaaga tggatttaga gaaatataaa gtacaaaaag acctaaagaa 540

attacagcgt aagatagtgg aactcca 567

<210> 11704
<211> 84
<212> DNA
<213> Canis familiaris

<400> 11704
gaattggccc aataatgaaa gaggaaaaag agaagaaaag acgccggctg gagaacataa 60

actccttgaa aggaatgggc tact 84

<210> 11705
<211> 297
<212> DNA
<213> Canis familiaris

<400> 11705
cggcccatag gaatgcatgg agagaactac cgcctggaaa tcttcgaggg ctgcaacttt 60

actggccagt gcctggagtt tcaggatgac tgcccctgcc tgccaagtca gggctggtcc 120

aagaactgcg tcaatgccat caaggtgtac ggggatggag cgtgggtgct gtacgaggag 180

cccaactacc gcggccgcat gtacctggtg gagcggggtg acttccgcag cttctcggac 240

tgggaggccc acagcgcccg catccagtca ctccgcaggg tggtcaactt cttctag 297

<210> 11706
<211> 201
<212> DNA
<213> Canis familiaris

<400> 11706
atgaagctcc tttggctgac tgtggctgca ctgctgctcc tgacccagct cactccaggt 60

ggcacccaaa gatgctggaa tcttcacggc aaatgccgcc agaaatgctc caggagagaa 120

aggacctatg tttactgcac aaataataaa ctgtgctgtg tgaagcccaa gttccagccg 180

agagaaaatc tatggccatt t 201

<210> 11707
<211> 501
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (98)..(98)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (130)..(130)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (180)..(181)
<223> n is a, c, g, or t

<400> 11707
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agccagaatt cncacccaag gaaagccncc tccaaggncc gagcactttc tggtgtggga 120

cgcacaatcn gggcaagtgg tggaaagtgt ggagggtcac aagtcacgga tgctggtggn 180

ngcatcgccg tcatggtcac tgccaccccg ggcagagtgg aggaggtcag gtgaacaggt 240

gtccagactg gtgcaagtga atggtccaga cccgagcaac aatagcttcc ctccctctcc 300

ctgcgaagcg tcaactgtga ctaatgtcat agtgtgaaat gtctggattt tctttctttt 360

tgagtgatgt gcagatattt ctaaaccagt tttgatgggg attcatttct agtggctata 420

gaaatactca tagaaacact cccattagac ttatgcctct gttaatctca catgtcgatc 480

ctcacggcag aagttacgat g 501

<210> 11708
<211> 305
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (36)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (249)..(249)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (258)..(258)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(266)
<223> n is a, c, g, or t

<400> 11708
ggatattttc ccaacgagct gcgagccatc ttccgnnagc aggtgcatct catccagaat 60

gccatcatcg aaagccgcat tgactgtcag cgccactgtg gcatcttcca gtacgaaacc 120

atctcctgca tcaactgcnn tgactcgcan tgtcgtctgc tttggctaca actgcgagtc 180

gtcagcacag tgggaaacag ccgtacaggg cctcctcctt tacataaata agtggcacaa 240

ancaggacna ccnaaacnaa gaaccnactc cagcctttct gatatcacca agctttacat 300

gtctt 305

<210> 11709
<211> 347
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (206)..(206)
<223> n is a, c, g, or t

<400> 11709
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gaggcttcat gaatcgggtg aactccatcc gcgtggagag cggcgcctgg gtctgttttg 120

atcaccctga cttccggggc cagcagttta tcctggagca tggagactac cctgacttcc 180

tccgctggaa tggccacaac gaccanatgg cctcctgccg gcccatagga atgcatggag 240

agaactaccg cctggaaatc ttcgagggct gcaactttac tggccagtgc ctggagtttc 300

aggatgactg cccctgcctg ccaagtcagg gctggtccaa gaactgc 347

<210> 11710
<211> 270
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (77)..(77)
<223> n is a, c, g, or t

<400> 11710
actccagcct ttctgatatc accaagcttt acatgtcttn gagcccccac acctggccaa 60

ncctgactct agaaaantgc ttccgagtgc ctgacccagc actgatgacc accgggtttg 120

ccagagcggc cctagccttg aggtggagcc agactcagct ggactgtccc agcctgaccc 180

catggagcag gcctgccgct gccttgagcc cctgcactcc catcagagcc tggggctggg 240

ccgggagcag tgtgcggctt tgtcgggcgg 270

<210> 11711
<211> 431
<212> DNA
<213> Canis familiaris

<400> 11711
ggttgctggg acagcctctt tgaaaaggta taaagaaaga acaagagaaa aaccatcaaa 60

agaaaacaga gacaggttta agaaaccaac agattattta aggtttttca tagggaattt 120

cctaaagact gctctgtctc gacggatcct ggtcacctac ctcagccgta gggtgacagt 180

tgaagccata gacatttggt tatttatgga gataattccc taaatatttg atattcttat 240

aagggttttg ttttaaagca tcttaatctt ttcagacacc gacaccgaat gcctttaaat 300

ggctacagat gcttaacatt caatattttc atcagtttag ccggagccta ttttcatcct 360

gttctaataa ctttcagatt ccatagccag taagatcatt ccaacttgca gcttaagacc 420

cattttcctt a 431

<210> 11712
<211> 526
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (38)..(38)
<223> n is a, c, g, or t

<400> 11712
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tacttaagct caaggtcatg tagcaagccc cagcattcag caaggacctt actagtccat 120

tcagcacctt caacaatgcc gaagcattct ccaagccctg tgttaaatag agcttctctc 180

agggaaagat tccattctga ttggtgttca ccttcaaact gcgatgagat ccatgaccgg 240

gatgagagag acccagagaa ggaagacgaa ctggaactga aaagaggtct tttatacaga 300

gactctgcct acgacagtga cccagagtat agctcatttc agcggccacg tggcactctc 360

catttggatg atggtgaata ctggtccaac agggcagcct cttataaagg aaaatcccac 420

cgacccgtct ttgagaacag catggacaag atatacagga acttatacaa aaaggcctgt 480

agttccgttt ctcatacaca ggaaagcttc tgataccatc catgat 526

<210> 11713
<211> 462
<212> DNA
<213> Canis familiaris

<400> 11713
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caaggacttc ttcagaacat cttgatacaa catcatggag ctttgtccat gaaatcacat 120

caagaataca aagcattgct tatcagcctg ggtcgagtca ctggtggtct gcggaagaac 180

agtgtgtgct atggtagggg aataattgtc atcacgaacc ttcctgggac tttggcaaaa 240

tgccatcagt ctttcgcagc taaatgttag ctccccccac caccactggt ccaccaaccg 300

acccagataa catgctcatg cagcgtgcat gaaaatacta gaaataactc ccttttaagc 360

tatcccgtat tatacaaaat ttgactcttg aaagtaactg aatattttat ttacctctat 420

gatctgatct gagatataaa cctattgtgt gtgcttcatg aa 462

<210> 11714
<211> 193
<212> DNA
<213> Canis familiaris

<400> 11714
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gtatgctacc ctaaggatgc aggacaccat gggacaggag ttggcactag ccaacaagca 120

gctactgatg gtccgtcaag cggccctgca ccagctgttt gcaaaggagc atcggcagta 180

caagcaggag cta 193

<210> 11715
<211> 212
<212> DNA
<213> Canis familiaris

<400> 11715
cccactacat aaagaaatac caggaaattc tgaggcagat ggaaaaggaa aaagaggtgc 60

tgcttcttga aaaagaagta ttcaaagccc agaacaactc ttcccaaata gtgaaacctg 120

gttcaattct ggtagagacc atccaaagca acatggagaa gaccatcatt aagaaacaga 180

agagaatctt ttggtacaga catttcaggt gt 212

<210> 11716
<211> 564
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (512)..(512)

<223> n is a, c, g, or t

<400> 11716
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gcgctgagtt ctgtgggggc ctccatcgac cttgagaaga catcacacga ttatgaggat 120

gcgaacactg cctatttctg gaatcgcttc agcttctgga attacgcacg gccgccaacc 180

gttatcctgg agccagatgt attcccgggg aattgctggg cttttgaggg cgaccagggc 240

caggtggtga tccggctacc gggtcgtgtg caactaagcg acatcaccct gcagcaccca 300

ccacccagtg tggcacacac cggaggagcc aaaagcgccc cccgcgactt cgcagtctac 360

ggcctccagg ttgatgacga gactgaagtt ttcttgggga aattcacctt caatgtggag 420

aaatcggaga ttcagacttt ccatctacag aatgatcccc cagctgcctt tcccaaggtg 480

aagatccaga ttctaagcaa ctggggccac cntcgtttca catgcttgta tcgggtccga 540

gcccatggca tgcgaacttc ggag 564

<210> 11717
<211> 272
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (226)..(226)
<223> n is a, c, g, or t

<400> 11717
gatacctgcc tctaccgaat ttgttcaaca gccattccta gagctgctaa tagaagaaga 60

caggaagtct gacacattca agaaatttcg acaagatcaa atgggagcta tctggaatac 120

tgatctgtcg acttcaagct acccaataac agagaagaca tcaatacatt tgctctgggc 180

ccagctgggt gggtacccag atattcctat gctactccaa ttagangttc aatctacctt 240

cagaaaatct cttgcatcca ttaaatcacg gt 272

<210> 11718
<211> 498
<212> DNA
<213> Canis familiaris

<400> 11718
aagcgagatg gctatggcac cctcagcttt tctgaccaag agatgggaaa gcacaggaaa 60

gtatactctg gctggtggaa aggcgataaa aaatcgggct atgggattca gttttttgga 120

cccaaggagt attacgaggg tgagtggtgt ggtaaccagc gcagcggatg gggccgcatg 180

tactacagca acggtgacct ctacgaaggc cagtggttga atgacaagcc gcatggggag 240

ggcatgttgc gccagaagaa cgggaaccgc tacgagggct actggcagag aggcatgaag 300

aatgggtcgg gccgtttttt ccacctggac catggtcaac tgtttgaagg cttctgggtg 360

gacgacgtgg ccaagtgtgg cacaatgatt gactttggtc gcgatgaggc ccctgagccc 420

acccagttcc ccattcctga gatcaaaatt ctagaccctg atggtgtgct ggaggaagcc 480

ttggccatgt tcaagaag 498

<210> 11719
<211> 163
<212> DNA
<213> Canis familiaris

<400> 11719
cccaagctgc caggaaagga ggagaaaaag aagcttcagc ctctaaatca gcatgatgca 60

gcctgctatt aggaagaaaa actgcctgca aataatagaa caaaagtaag gtcctcataa 120

cccataagtg cttctcacat tacctggcta ggacagaggt cct 163

<210> 11720
<211> 560
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(139)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (202)..(202)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (222)..(222)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (374)..(374)
<223> n is a, c, g, or t

<400> 11720
tagcgtcact gttcttctgt gtgcgggtgt ttgcgcactc gtagtgggcg ttttacttgc 60

agctttgaag gatgtcgttg cctacatatt taccagtgac naaagatatt atttaccttg 120

tgagccaagt gatgcctant ttttgctccc tttcatctat ttgatgcact tgcagtctct 180

ggtctggatt gatagtctgt gnttttcttt cangcccttt tnctatttgg tgctcatctg 240

gaagacaaac tgggagagag ttgccgagca ggcacaggtc cgagctgggc tgaaggggat 300

catcagagag accacgccgt caccagcaga tctgcctgtc ttggagaaag aagtaaccga 360

tggagtcatt ttancctgat atcatcacac ccgagagcca gaccctccaa ttaatgggga 420

tagagtgaaa ctgagaagca ttcagtaaaa gtatgaaggg aacagtccag agagacacat 480

gctctttaaa aagactgaga ccttatcatt caactataga acacttcctt cccccacacc 540

ttagcatcac atccatggag 560

<210> 11721
<211> 388
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (268)..(268)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (286)..(286)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (304)..(304)
<223> n is a, c, g, or t

<400> 11721
cgagtcgcac agatccagca actgaaaaac acaacgcaaa gtgacaggtt cttcttcagg 60

aagttggatg aactctgctg gacaagtctt caggccttcc ctcttcctct gtccatacct 120

taagtcacca aacacaattc aaatcccttc agaagagcaa cttttgactg tcaaataatg 180

gtcagtgaaa attaccacaa tcaaggaatt caatcttcag ctactataga ctttcaanct 240

cactgaattc tcagaggctg tgaccttnct tctttnccat ttgttnacct ttcctaaaga 300

gtcnccaacc cctgaagaca aagggtcagg atggtaggtc tgtatcaggt aatctgccac 360

cttagctcca aatgcttggc tagtggta 388

<210> 11722
<211> 50
<212> DNA
<213> Canis familiaris

<400> 11722
agccaccgct actgaggagt ggccttgtat taaatcactt tgcctgctgc 50

<210> 11723
<211> 245
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (186)..(186)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (206)..(206)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<400> 11723
ccacctattg tatgaccttt gctgaagaca agctcttccc agaagttaaa gtgaccacca 60

taatccagtc aaaagatgca gtgcttgcag gaaagtctca gaaatgactg gactccatgg 120

tagcacctaa ctgatgctcg tctaggacca tgaagtagag gacagagtat ttctcaaagg 180

aagggnaatt gaataaacaa cagganatnt ncactcatcc accatcctca aaatctcctt 240

tgttt 245

<210> 11724
<211> 557
<212> DNA
<213> Canis familiaris

<400> 11724
gtatcctgat atcctgaatt ttgtggatga tttggaacat ttagacaaag ctagtaaagt 60

ctctgtagaa acgctggaaa agaatttgaa gcagatggga aggcagcttc aacagcttga 120

gaaagatttg gaaacctttc cccctcctga ggacttgcat gataagtttg tgacaaagat 180

ctttgttatc agcgcaaaag aacaatatga gaaacttcta aagttacatg aaaatatgga 240

gaagttatac cagagtgtga tgggatacta tgccattgac gtgaagaaga tgtccgtgga 300

agacttttt aatgacttga ataatttcag aaccacattc atgcaagcaa gaaaggagaa 360

catcaaaaaa agagaagcag aggaaaggga aaaacgtgcc caaatagcca aagaattggc 420

agagaaagaa agacttgaac gccaacaaaa gaaaaagcgc ttgttagaaa tgaagactga 480

gggtgatgag acaggagtga tggatagtct gctggaggct ttgcagtcgg gcgctgcctt 540

ccgcgaccga agaaaaa 557

<210> 11725
<211> 173
<212> DNA
<213> Canis familiaris

<400> 11725
atctaaatca ttccttcaag atgaatcctt taaaccaagt gttcaggcgc cccaatatta 60

agttgtattc caacaactta ttgcttcatt attggaaggg tgtcagacac acagtacctg 120

cattattgct cgatcttgca ctcaggttga caggtcagaa accgtggatg atg 173

<210> 11726
<211> 350
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<400> 11726
tggttccgtc agacctcaga gaagaactnc aactacaagt tcaacgtccc aagccaaagt 60

ctatactgag gacagaagtg tctcctacag gcctggaccc ntgagcaggc ctggtactga 120

gcaatgcttt tctttgtgct tcccacaaag aaaaggggaa gcacaaagga atgggggcct 180

ccattcctcc caaggcccca aaggctgggg ctctgcacag agggtagggg gttccccctg 240

gggctataag accaagctgt ggcccctcct gcaaggggtt actgtaagta gagcctcaga 300

gtaacagcca tttcattctg cttctgtgat tatgacagca tgagaccatg 350

<210> 11727
<211> 349
<212> DNA
<213> Canis familiaris

<400> 11727
tatttgccat tctccaatct tctgattgct tgagtccttc tacatggcct atggctgtag 60

ttgtactgcg ggttacagtg agctggaatt tcgctgtgga tttttatggc caaaccaccc 120

ttgacttccc acttagcttt cccattggaa aagagatgct aataaggaaa cacttatcgt 180

atgtattccc gctaggactc acaactgcca ccctgtcact aataagtgcc accatgttct 240

tctgtgaaac atctttcaca aaacaatgga atcaagtgaa acccatggct gtggggaacc 300

atcaaaaatg aaaggtctga acaaaggatc tactctttgg aatggccac 349

<210> 11728
<211> 564
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (83)..(83)
<223> n is a, c, g, or t

<400> 11728
gatcttctgg aagttctcgg ttgttttgaa actagtaaga aatatgaagt catgaacagc 60

caaggacaga gaatttattt tgncgaagac agaagtaatt gtttcctcag atacctctgt 120

ggaccttcaa gatcttttac cattacaatt tatgataaca taggccgtga tgtcataact 180

gtgcataaag ctctaagatg tagctgttgc tggagaaact gctacctaca aaagctaaaa 240

gttgaggctc ctcctggtga aaaaattgga tatgtgtacc aatactttca cccattgtgg 300

ccaatgttta aaattaaaaa tgcaaataag gaggatataa tgaaaatcag aggaccatgt 360

gtggtttcca gctgtctcac ggatctaaat tttaatttat tgtctctgga tgaagaaata 420

gttattggta agatttcaaa tacatgggct ggatttatta gggaactatc taccaatgct 480

gataaatttg gaatccagtt tccacttgat cttgatgtta agataaaagc actgatgctt 540

ggagcaagtt tcctcattga ctac 564

<210> 11729
<211> 219
<212> DNA
<213> Canis familiaris

<400> 11729
tgtgttggcg gctgcaggcc ttcggggcct ggttcggctg ctgcacgtgc gagctggctt 60

ctgctgtggg gtcatccggg cccacaagaa ggccattgcc accctctgct tcagccccac 120

ccacgagacc catctcttca ccgcctccta tgacaagcgg atcatcctct gggacctcgg 180

ggtgcccaac cacgattacg aattccaggc cagccagct 219

<210> 11730
<211> 537
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (84)..(84)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (320)..(320)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (325)..(325)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(375)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (385)..(385)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (419)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (459)..(459)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (470)..(470)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (497)..(497)
<223> n is a, c, g, or t

<400> 11730
tgtcctgctg gcacgaagcc aagctccaac cgataaacat gacttcagat gaaattctag 60

tccaagagat gttggatcca aatnaatcat caaaggctgc aaagcaaagg acagcatcnc 120

cattatcaac aaaatttttc aaggacaaaa ataccatcat ggatgagact tttcaagttg 180

gtgctcctca gagttatcac ggactctcag acaattcaca attctctatt ggcaatgagg 240

acaaaatttt caataatgaa cacagcattg atgagagtta ccagatcggc agtcctgagg 300

gttttggaaa gaagaattcn caaancgatc aatataaaaa actgtcaatt ctggacaaaa 360

tccttcaaaa cattnggaaa atctnagggc actctttgca gtaaatggaa gaggagggnn 420

aggctctgaa gaggtgcaga gggcaatcag cacgggccnc ctgctctgan gggagccccc 480

tccacaggaa atccagnctt cgtgagaccc catagcccca ccctcaggaa taaagtg 537

<210> 11731
<211> 464
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (54)..(54)
<223> n is a, c, g, or t

<400> 11731
tttggcatgg gcaaggtgac ctataagccn cnaacttcta gcagagttac agancaaccg 60

actccaagca cctcagggag aaaagagaag acccccttc aactcgggtc cagagacagt 120

gacatggtag ccaagacaat tatgaaagct aaaagatatc ctcaagggag tttaagagaa 180

gacacctctt ccagagttcc catcccttta attaattcta agaaaaccaa aggatcaatc 240

ctattcagcc attatcacaa gctgaatgaa aagctgaatc aaaatgaacc caagcagtcc 300

caagagagtg tagaaaaacc caccacttca gatgaagagc cgggcagcca gaacttcaga 360

gtggagccag aggcctcaaa tatctgtgaa atctccaaag tctagccact tcgaaatggc 420

aactacttag agaccaaact acacgaacag ggtacatgca tggt 464

<210> 11732
<211> 214
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (74)..(74)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (88)..(88)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (117)..(117)
<223> n is a, c, g, or t

<400> 11732
gagacccaac atagaactct gccgggacat ggctcagcta cgtcttgtta atgaagtgta 60

tgaggtggat gacnccatcc agaccttnca gcagcgcctg agggaagcgg aggacanccc 120

tgcagtcgct ggtccacacc aaagccacac tggagcatga cctggctgtc aaagccaatt 180

ccctgtacat tgaccaggaa aaatgcatga gcat 214

<210> 11733
<211> 84
<212> DNA
<213> Canis familiaris

<400> 11733
tgggcttctg ttagggaccc caccaggaac tggaaaagtg gaaccaaagc cctgtggcag 60

caatttaaac tgagtgctaa tata 84

<210> 11734
<211> 180
<212> DNA
<213> Canis familiaris

<400> 11734
ctcggatgtc ccatgagcca atgcactggt gcctgaacct gctgctgacg gacaagatga 60

agccggagtg aggaaggagg ctgagggcgt gggaggaggg gagaaggtgg ccgctctgga 120

ctatctacac ttgaagatgt gttccctcca cgatcaactc agcaacctgc cacttgaggg 180

<210> 11735
<211> 412
<212> DNA
<213> Canis familiaris

<400> 11735
aagatgctga cttctggcca tgtttcatgg tagcacatgt atccaacttg caagtgagag 60

aaaaaggttc caccttggat gatgcctaaa ctctccctct gccccactcc acctcactct 120

cactcaaaag agcatcaatg gaaatatcac catcagcacc aaggacagca gccctggtcg 180

ccataagtgt ccgtgatcat tgaaaactgg atctattgat gatacacatt tcaggagctc 240

atttgaattc agattagaaa tccttagagc ctagctcaaa gttgtaatca tctgctctac 300

agtactactt atcttattca tattattatc tttggagtaa atcattggca aaaccgagga 360

tcagaaacta ccaggtcttg aaagaccata agtcttcaat ctagcctatt ct 412

<210> 11736
<211> 539
<212> DNA
<213> Canis familiaris

<400> 11736
aggcaaactc tcactatata ggcaacaggc atccattata tctcgtaaaa aagaagccaa 60

agctgaggaa cttcaggaag caaaggagaa gctagccaac ctagagagag aagtgtcagt 120

gaagacaaat cagacccgtg aatttgatgg caccgaagtt ttgaagggag atgatttcaa 180

acgatatgtc agtaaacttc gaagcaagag tacagttttc aaaaagaagc atcaaataat 240

agctggattt aaagctgaat tcggtctctt acagaggaca gaagaacttc ttaagcaacg 300

tcatgaaaat attcaacatc aactgcaaac cattgaagat aaaaagggta tatctggata 360

tagttacacc caggaagaac tagaacgagt gtctgcactg aagaccgaag ttgatgagat 420

gaaaggccga acactcgacg acatgtctga aatggtaaaa aaactgaatt cattggtatc 480

tgaaaagaag tcagctctag ccccagttat aaaagaacta cgacagttgc gtcagaaat 539

<210> 11737
<211> 522
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (221)..(221)
<223> n is a, c, g, or t

<400> 11737
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gccatcatcc gagtgcccaa caaaatcagt ggtttcactt gtatagtcca agaagacatg 120

cccactgacc ctgcaatctt ggcattgcta gattcttctg gcagaagttc ctgctatcat 180

cccaatggaa atgtctgggt atacatcaat atcttgggag ntcagtattc agatcaagct 240

ggcaacagat taagggcttg gaattggtcc agttctgttg cttcctcacc ctttgtttca 300

tttaaacctg tctttctggc cttgaaccat tacattggag ttcgcatctt agaacaagac 360

aagatttcag tcacttttct agcaatgggc caacaggcaa gaatcagtgt tgggaccaaa 420

gtgaagctac ctaaccctga ggagattcca gttctccgat acctgaatga ggatgacctg 480

ctgctactgg ccaatttaat caagattcga cgcctgtttc at 522

<210> 11738
<211> 324
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (246)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<400> 11738
ttccaaggct gtggcgtctg agtttgaaga atccttgaaa gactctccac ccacttctat 60

ggtcgtctca gaaagcagcg aaactgtttc atccttggat tcattcctca taacaaaatt 120

catggaaaac atcagtgagg aagaacaaat cagtatcatc aaggtggcct cagaactagt 180

gacagcgatt gggcggtgga gaatattgag gatgaaattc ctgaagagga agaaacctca 240

ggtccnnaag cacaatgagg cgngaatcaa caggaggggg tccctggtgc agttggagta 300

tacctgctac tttgtagact gagt 324

<210> 11739
<211> 538
<212> DNA
<213> Canis familiaris

<400> 11739
gtctcaatgg tcagcatagc ccaagccccc ctgaaatcga aagatgcact tatccatttt 60

ttcctggaac aaagcttact ccaattagca tgtattcttt aaaatccaat catttcaatt 120

ctgcagtaat gcatttggat tattactgca acaaaaataa ttgggcacca ccagaatatt 180

atttatattc aacaacaagt caagatggga aagtactctt ggtatataaa attgttattc 240

ctgctattgc aaatggatcc cagagttact ttatgccaga caaactctgt actacattag 300

aagatgcaaa ggaactggca gcccagttta cattacttca tttggactac actttccgtc 360

gcagctcaat aaatagtctt tcccctgtta gtgctactct ctcttctggg actcccagcg 420

tgcttcctta tacttcaagg ccttattctt atccaagcta tcccttgtca ccaacaatat 480

cacttactaa tggcagccat gttggacagc gactatatat ctccaatcag gcctcatt 538

<210> 11740
<211> 295
<212> DNA
<213> Canis familiaris

<400> 11740
aaacttgcct gtctggcaaa acccactgtg accatcagta ctcaggaaga ttggatcact 60

ataaaaacca aaagcatctt taaaaataat aagatctcct ttaaactggg ggaagagttt 120

gaggaaacca caccaggtgg ccataaaacc aagagtgtgg taaccttaga taatgactct 180

ttgattcaag ttcaggattg ggatggcaaa gagaacacca taaggagaaa gttggtggat 240

ggaaaaatgg tggtggaaag tgctgtgaac aatgttacct gtactcggac gtatg 295

<210> 11741
<211> 136
<212> DNA
<213> Canis familiaris

<400> 11741
cgcggaatcg aggagaatcc taaggaggaa ttggacagct gagccgccat cacgcatcgc 60

ctgccttgct atgcttggga agtgtgaaca ttatttaagg aaattcctgc agaccgatta 120

cgttgatata tacatt 136

<210> 11742
<211> 370
<212> DNA
<213> Canis familiaris

<400> 11742
aagaaaacca gccatccact gtcttctttc taccacttgg aggattcgtt tcctttcttc 60

agctactcat cacatatcat cgtgacacag agaaaacatt ctgggctagg ccagggtgga 120

tggtcccaaa catacacgca aggacaaaaa agggtcgcca tacattcatg gccaacaaac 180

agctttagaa agggtccaga tgttggggag aaagggttaa aggaattagg caagtcttct 240

gttgcggcca tccaacccat gtactatgac tattatggtg gggatgccag ggatggtggt 300

gggcctattt caggtcagaa caggttacat cagccccaag aaattatctt gtttttcttt 360

gtgctggttt 370

<210> 11743
<211> 448
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<400> 11743
catcttcccg ggaaatgacg gaccaaggag cctgtctcca tgtacaggac cagtanccaa 60

gcttacggga gcagggcccc caccgtgcat gagatgccga aagtatttta tccaaattca 120

agtaagtttt ccagacaact tgcagcaggt ggaatgttcc ggaacaacac tttcaatgtc 180

tacatggaga agagcatcgt gacaggtccc gacaactaca tcacctccta tgaccggttc 240

aacttccacc ccagttacaa catcaatagg ccatctatct gtgattgagg gacctcggga 300

tgccagtagg ggtgacctca agtgtgaccc ctaatctctc atcatttgcc cgattgtaaa 360

agtacagact tcactgcttt ctctggaaac atttttttctc tctctagatt agaaaaatat 420

gcagatggcg ctgtaatgtc ctatttgc 448

<210> 11744
<211> 560
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (71)..(71)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (255)..(255)
<223> n is a, c, g, or t

<400> 11744
gatgtctgat gatattgcct ggtacncanc ccaggggggt gtgcaaggta gatctctaca 60

gcccaacagg ncagcaagat caggaccgga aaagtgatat gctttgttga tgtgccaccc 120

tgaatgtgga agataaagat nccaaggatg ctgctggttc cagttcagaa ggtgacttaa 180

ccttgggaaa tctggaagaa aaagagatta ttgtgatcaa ggatactgag aagcaagacc 240

agtctaagct tcctnaagtt tcagctaagg cggcagagaa ggggtacagt gtaggggatc 300

ttcttcaaga ggtcatgaag tttgccaagg aacgacaact ggatgaagcc gtgggaaaca 360

tggctaggaa acaactgcta gactggttgc tcactaacct gtgagctaac aactcctttg 420

actcctctcc atttaccccc ctagcagcat tccatcccag cctgaacacc ccacccatca 480

ggccagtgaa ctgcacatca cacaattgta tttcccaata catctgagca gtttgtgcaa 540

atacagggtg tccaaaagct 560

<210> 11745
<211> 565
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (204)..(204)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (402)..(402)
<223> n is a, c, g, or t

<400> 11745
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tgatcaacca catacaagtc atccgagaaa cagggactac ctacaaggcc cagaacctct 120

atgtcttcct cgaaaacatc gacaatctgc agaacttctg gctgcaggcc tggacagaca 180

agcagaagga agtggaggag aagnaccgag agtgcctgag cagcatggtg accatgttcc 240

ccaagctcca gctggagtgg aatgttcatc tgcacactcc tgtggtcacc aacccaaagt 300

caaggaaaag caaaccaccc ccgtcctatc tccagcacac gcactcctgt aatccctcct 360

gcaagcagtc cccagagcac ttcccatcca agcactggga angtgtgccc ctgcgcatgg 420

cccgccatca ggagaaccag atggaggccg tctggaagac tgatgtggcc tcctccagtc 480

acccgataga aaagaagact ccccccagcc tgctctggga ccagctagga gggtacccag 540

atattccccg gctgttggcc ttgga 565

<210> 11746
<211> 584
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature

<222> (35)..(35)
<223> n is a, c, g, or t

<400> 11746
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tcctgttgta aggggtgctt tcaactggca tctagatttt aagtgggata gtgtttattc 120

ttatgagatg gatggaccag aaggacccac tagacccatc cggtcacctg caatggctgg 180

aggaattttt gctataaaca ggcattattt taatgagatt ggacaatacg acaaaggcat 240

ggatctctgg ggagcagaaa atttggaact ttcactgagg atctggatgt gtggaggcca 300

actctttata atcccctgct cccgagtggg acacatcagt aagcagcgct tttcaaacca 360

acctgagctt gtaaaagcca tgacatataa taatctcaga ttggtgcacg tctggctgga 420

tgaatacaag gagcagtttt ttttacatca gcctggtctg aaatctgttg cctatggcaa 480

cattagtgag cgtgttgaac taaggaaacg attgggttgc aaatcatttc agtggtatct 540

ggataatgtc ttcccagaat tggagacatc taagggcagc ctat 584

<210> 11747
<211> 52
<212> DNA
<213> Canis familiaris

<400> 11747
acaattgtat ttcccaatac atctgagcag tttgtgcaaa tacagggtgt cc 52

<210> 11748
<211> 563
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (30)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (136)..(136)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (146)..(146)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (160)..(160)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (167)..(167)
<223> n is a, c, g, or t

<220>
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<222> (181)..(181)
<223> n is a, c, g, or t

<220>
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<222> (248)..(248)
<223> n is a, c, g, or t

<220>
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<222> (275)..(275)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (361)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (392)..(392)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (398)..(398)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (437)..(437)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (467)..(467)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (492)..(492)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (538)..(538)
<223> n is a, c, g, or t

<400> 11748
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ctcagacgcc tccatgcagn ggagccagag gctggggctt cggcccgagc aaaagaccct 120

gaagcacttc cggagnccgn cccagncccn actgtggggn ctgctgnctc gaatgggcct 180

naagtgctcg aggccgccct ggctgctggg gctgagggct tggccccagc tgaggtgcca 240

gctggggnag gcgaagcccc tgcagatagt ggtcnctgct ctagatcacg gctgcgccct 300

ggacgagcca cgtgcacctg cggccacccc ggaggaggag caggccctgg cacctgcaac 360

nggggtcccc agagtgccag agccgccaat tncctctngg acaactggct tcaacctctg 420

cgcagccccc tgacctnctc gggagcccgc cccagctccc accgcanggc tcgtcatgcc 480

tgcagcccaa tngaggcttg cccttcccgt gtcatttcac tgtttctata ttttgacntt 540

ttctttaacc tgtggcttat gag 563

<210> 11749
<211> 365
<212> DNA
<213> Canis familiaris

<400> 11749
gaaagcttac aaggaaatca cataaggcaa ccaagtgtga acaagacaat ccaaagggat 60

ccccagaaga gtcaaaggct aaattacaac agctggaggc ttcctgtgca gtccaagaga 120

aagaactagc caaggtcatg gaagactatg catttgtggc ccagctctgt gaagatcagg 180

ccctctgcat aaagaagtac caggaaactt tgaggaaaat agaagaagaa ctagagattc 240

ggttccttga aagagaagta tcaaaagtct tgagcatgaa ttctgcaaga agagagtcta 300

atagccaaaa taataaagta agcatttcac tctactttca gcttctctca gtgatttttc 360

aatac 365

<210> 11750
<211> 421
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (34)..(34)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (36)..(36)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (57)..(57)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (64)..(64)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (103)..(103)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (137)..(137)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (367)..(367)
<223> n is a, c, g, or t

<400> 11750
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tgtnggggcc aggccgcaat cgagaatccc aatctctgtc tgngtctacg ctgctgctac 120

cgtgatgggg tctgctnccn ccagcggcca gatgaancta tgcggaggaa gcatatgtgg 180

gcgctgggct ggacatgtgg aggcctcctc ttcctaatct ccagcatctg cttgttctgg 240

tgggccaagc gccgggacat gctgcacctt ccagggttct taaagggcaa atgtgacctg 300

tcgaggaccg tctctctgtt atccaaggac cgggggactc tgagtgataa aaagacatct 360

gcgggcnagc gtgccaacct cccttcctac ggaggggaac gcggatgtgt caggagccac 420

t 421

<210> 11751
<211> 443
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (129)..(130)
<223> n is a, c, g, or t

<400> 11751
aaagcaagtg accagatggc tcccccaggg gaagccactt aggacatctg cttcttggcc 60

atgaccttct aggactcacc atccccagaa tggaaacatt ttctgcgtag gattaaggac 120

agtttangnn aagcgtgcgc cacccttaga ctggtgggct ctcctgaacc tcacacatac 180

attatcgagg ctggcaagag gggcccccaa aagcttggat cagccttcta ggccacaaag 240

cagcatgcca ttagaatcag gagactaaac caacgccagc cagaggatcc caaaggtcat 300

gttcagatgt gtaagaagaa aaccttaatt gtacagtgga gcacagaggc tctacaggag 360

acatcactga gaagccatgc tgtccccttg aacttggaac acattctgtc tcatcctggt 420

tgggctctat acctcattgt aaa 443

<210> 11752
<211> 288
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (262)..(263)
<223> n is a, c, g, or t

<400> 11752
aagcccaggc ccactgtgca gttcttgatc taaatgtcac cagggagtgt tgaattacag 60

gtttgaagcc aaaggtttct gctgtcaaat aaaaaataag ccatttccta ttttcttaat 120

gcgtgacata tatacaaaga taatgttaat tgattaagag cctatgttca gattttgaac 180

tttaaaaata ttggtaaaat aatatatttg ggggatttga attttcatca acaaaattaa 240

agtgaacatt aagcattcaa annatttgta gtttttcaat gacatgag 288

<210> 11753
<211> 589
<212> DNA
<213> Canis familiaris

<400> 11753
caagagaagc aaccctatta cgaagaacag gcccggctaa gcaagatcca cttagagaag 60

tacccgaact ataaatacaa acctcgaccg aaacgcacct gcattgttga tggcaaaaag 120

ctccggatcg gggagtataa gcaactgatg aggtctcgga ggcaggagat gaggcagttc 180

tttactgtgg ggcagcagcc tcagattcca atcaccacag gaacaggtgt tgtgtatccc 240

ggtgctatca ctatggcaac taccacgccg tccccgcaga tggcctctga ctgctccagc 300

acctcggcca gccccgagcc cagcctcccg ggcatccagg gcgcctacgg cctgaagacg 360

gacggcggga gcctcgcggc caacgagatg atcaacggag aggatgaaat ggagatgtac 420

gacgactatg acgacgatcc caaatcagac tatagcagcg aaaacgaggc ccccgaagct 480

gtcagtgcca actgaggagt gtgtgtttgc cgaatcaaag tacttggaca tttcacctcc 540

cctctccccc ccacaaaaaa gttcttaaag agcccgcatg catttgtgg 589

<210> 11754
<211> 469
<212> DNA
<213> Canis familiaris

<400> 11754

gacgccatgt cacagatccg caaaggccat gacaccatgt gtgtggtact taccagccgc 60

cacaagaacc tggacaccgt gcgggctgtg tggaccacgg gtgacatcaa ggcaagcatg 120

gactcagctg tggccatcaa tgacctgtcc gtggtcgtgg acctccttaa cattgtcaac 180

cagaaagcct ccctgtggaa gctggatctg tgcaccacgg tcttgccgca gatcgagaaa 240

cttctgcaga gcaagtatga gagctatgtc cagaccggct gcacctccct gaagctgatc 300

ctgcagcggt ttctgcccct gatcactgac atcttagcag cacccccctc tgtgggtgta 360

gacatcagcc gggaggagag gctacacaag tgccggctct gctacaagca gctcaagagc 420

atcagtggcc tcgtcaagag caagtcaagt ttgagtggcc gtcatggca 469

<210> 11755
<211> 111
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<400> 11755
aagtcaggca gtgagggtac ctcctcacac cagctgcctc ntccactcag tattccacgg 60

accaaattgt gccctgggtg gcctcagcct tttgagtatt gaatgataag c 111

<210> 11756
<211> 369
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<400> 11756
atacatcatt cagtcctcat cctggtcttg gatattgctg tatgaagagg agatgctcag 60

acctttcca tcngccttgc agtcatgagg agacaactat tgtaaatgaa cagaaatcaa 120

agagaaggca agactgcaca ccctgaaaac ttcttatcat ctgtaattag ctcctcatga 180

ggagagtcct atcagagcca agatatgctg agcccaactc acaccggact cacaccggct 240

cctgcgtgga gatcgtggag atccagggag ggcagcctca cagatgatgt atttatgaga 300

actgatcgtg ctcccgtgga acagagaaca ctagcacaga gagcactggg tccgtgcaca 360

gtaggtttt 369

<210> 11757
<211> 357
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (197)..(197)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

<400> 11757
atggcatctg tgtcctttcg agagccaatc tctactacag taggaaaacg gatgattgtt 60

acaggcccgg attatataaa ggatcatgta cctaaagttc atcagcacac ttcctatata 120

ggagaaaagc gcccagtatt ggaaaagact ggagatctca gatatttatg gaggcctgcc 180

tcaaagagaa gcttacnggc aaaatataaa tatgagtatg ttggtgaaat tgnctgggga 240

ataccaaagt atgattttat cagcaaatca aggcttcgga ctggttttca catcaagtat 300

ggagaaataa gtcaagccac tattgataaa ataagccaca gataccaaaa tccatgg 357

<210> 11758
<211> 352
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<400> 11758
ccaggagagg tttctctgct cggaaatgtt ctttaagcct tctcttatca agtccatgca 60

gctgggcctn cacacccaga cagtgtcctg ccttaacaag tgtgacattg ccctcaaacg 120

ggatctcatg gggaacatcc tgctgtgcgg gggcagcact atgctcagcg gtttccctaa 180

ccgcctgcag aaggagctga gcagcatgtg tcccaatgac aacccccagg taaacgtgtt 240

gcccgagaga gacactgcag tgtggacggg cggctccatc ctggcgtcac ttcagggctt 300

ccaaccactg tgggtccacc gctttgagta tgaggaacat gggcctttct tc 352

<210> 11759
<211> 90
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (62)..(62)
<223> n is a, c, g, or t

<400> 11759
ccgtgcgtcg gctttgctgg gcgagcaccc accctacaca tacggagctg agcccacgtn 60

cngctcctgc agtattaaac gagccttgtg 90

<210> 11760
<211> 342
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (37)..(37)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (72)..(72)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (119)..(119)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (299)..(299)
<223> n is a, c, g, or t

<400> 11760
aggttctagc gttcagatgc ctcttttgta ccacgcncgc cccgtgtgaa gcaccncggc 60

cgtctgtccg cnccagcgtg gcacgttaat acgaccccaa gaaatcctct cgagtggtna 120

agagcccacg aatttgggag ccaggtcatc aagctctccc ccaactgcta gagtgacagc 180

gaagtacagg agcctcatct aacatggagc tggacttgat gagatgccgt ggagttccat 240

cttaggtgca tctaacgtga actagttaaa tagggcagaa ggttgccagc cacagttcng 300

tgcaagtgtc agatgggaga ccagactttg ttctctttgg ct 342

<210> 11761
<211> 300
<212> DNA
<213> Canis familiaris

<400> 11761
gctctgggtg ttcttcctgg tgatcctcac cctcagcagt ggctcccact cttccccgcc 60

atccctgccc atcagaatcc ctcggtatgc agacgccatc ttcaccaaca gctaccggaa 120

ggtgctgggc cagctgtccg cccgcaagct cctgcaggac atcatgagcc ggcagcaggg 180

agagagaaac cgggagcaag gagcaaaggt acgactcggc cgtcaggtgg acagtctgtg 240

ggcaagccaa aagcagatgg cattggagaa catcctggca tccctgttac agaaacgcag 300

<210> 11762
<211> 290
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (143)..(143)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(219)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (243)..(243)
<223> n is a, c, g, or t

<400> 11762
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gagacggctg gatagtggac tatttccaca tcttcgggca aggacagaga tacctgaaca 120

ggagaaattg ggcaggggca ggncattcct tccagcaggt gaccgggcat gattactaca 180

atgcagaact gaggatgatc agggggttca atggccgant ttggctaccg ccgaaacacc 240

ccnagccctc cgccagcgcc cgtcggtctt tggagaggtc acccagttcc 290

<210> 11763
<211> 393
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (171)..(171)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

<400> 11763
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actgagcagg atcacggtgg cacaggaaga gacggctgga tagtggacta tttccacatc 120

ttcgggcaag gacagagata cctgaacagg agaaattggg caggggcagg ncattccttc 180

cagcaggtga ccgggcatga ttactacaat gcagaactga ggatgatcag ggggttcaat 240

ggccganttt ggctaccgcc gaaacacccc nagccctccg ccagcgcccg tcggtctttg 300

gagaggtcac ccagttcccc ctcttctaac aacatcttta cctttcctac tcctggacct 360

gaatagaaga cagatgttta gatgaacttt tta 393

<210> 11764
<211> 267
<212> DNA
<213> Canis familiaris

<400> 11764
tttggcttgg actgaaccct caagtggccc ttctgccccc acactaatgg ggacagctgg 60

tggctagggc cctccatggg ctcaggtcac ccccttgact gggctcccct tccttcctga 120

gagtgctcgg ggcctccgct gcccctccac tggtgcctct gcaagcgtgc gacagccgtg 180

ttcctgttct caaagcagga cacgactgac ctccccggt tctgtggcat aagctgtgta 240

actgagcatt acagacattt tagcatc 267

<210> 11765
<211> 425
<212> DNA
<213> Canis familiaris

<400> 11765
aggcccttct cctactgaga tggtactgca ggcgccctat gggaaaagtg gtgaagctgg 60

tggggctact ggaaatcaca tttccatcat gtgcataaag ctggtctact gtggaagaga 120

atgacattga ccagcaaaaa catgcagaga ggagacaaag aaattcccca gatcgcctga 180

atgtctggct ctggttcctg agttccctga gaccaccctg gttctcacct tccagaaatc 240

tagtgcggaa gaaccatccc cctctctcac gcttgggtga agaagttcat tggaacagct 300

gcttttctcc ctccttgtta actgagtccc atggaaagtg gcctgcccgg gacgaagaaa 360

gagggacacg atgtgactgc agagtgagga tctcccgttg agtggcactg ctgacggaga 420

tcacc 425

<210> 11766
<211> 508
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (99)..(99)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (227)..(227)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (267)..(267)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (407)..(407)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (428)..(428)
<223> n is a, c, g, or t

<400> 11766
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gtgctccccg cttctccatc caacctccng ctgcgatgna accccagtta gaagagactc 120

agcaacgagc cacaccctaa gtcatcctgg caaagaaccc catctggaca cagggtgata 180

caggtccttg aggttgccct acagacagca aaagcaaact gaagagnttc tttcgaaagg 240

aaaagaaaac acctgtagag catacangag gcaggcagat ttcagagcag ctgctatgaa 300

ccaactctgc aacctgtgaa gacacatggg agccctgcac ttttctgatc ccctggaatg 360

actcagctgt ggagcaaggg catccagggc aaagactcat actgccnacc tgctgcacca 420

cttgcctngc tctgcagacc tctgagcatc agggaaggac agggacgggg tatctgtgca 480

ggggaacatg agctcattct ttctcagg 508

<210> 11767
<211> 357
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (90)..(90)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (105)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (126)..(126)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (165)..(165)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (257)..(257)
<223> n is a, c, g, or t

<400> 11767
ttcagcctca cctgcaggaa cattccatcc agcacgaacg ggctacgttc caggaactcc 60

tcaataaaca gccaagtctc ctagatcacn cccccaagtg gctgncccaa gcagcagcag 120

acctcnccat gccactcccg acttgccccg acactttgga ctccnccagt atggcctcct 180

cctccccgaa cgaggcagtc agcagcccag agccccttag ccctacaatg gtgctatcgc 240

agggtttcct gaacctnctt ctctgggacc cggaaaatga agagttccct gagacactgc 300

tgatggacag gacccagctc aaagccctgg cccctggatc ccaggagaga agctcat 357

<210> 11768
<211> 128
<212> DNA
<213> Canis familiaris

<400> 11768
ggagagaagc tcatcgttct ctggggtggc tgaccagtga ccgtcagagc aggaagccct 60

cctccctcct gcagctggca caccagggct gtagcaagca gcgtgtaaat acccgctggc 120

ccaaactc 128

<210> 11769
<211> 590
<212> DNA
<213> Canis familiaris

<400> 11769
tccttgctca actgcgaaaa cttaaggccc aaaggaccca ggcccgggaa ctatcgcagg 60

aaaacttagt caaactcacc gtggaaagta atgccgccct caaggccctg agaaagatcg 120

ttgataaggg tgaaaagatc ctgaaacttg ctgaaatatg taggaaattt gaaacagagg 180

aagaaaaagt gctgcctttc tattcatcag tattgactcc tgaggagcag gagaagatag 240

aagaaatcta cccagaggag cttactgagg agctcgcaaa ggtgatagtg aactacacag 300

ggatggagaa tttctggaaa aggtacaaca aagtgaaact ggagcagctg agcctccaat 360

atagacatgc ccagttgtta gaaatcaatg ggaagttgcg ggagatgctg aagcagtact 420

tggatggcat ctcagtgagt gacgaagtgc tgagccagct caacccactc tttatcatca 480

accatcgaag taacttaccc cagcctttgt cgacacctac cacccagcca ggtgataaac 540

cacctccaac cacttacaat atcattgaag cagcccatgt gatctcccac 590

<210> 11770
<211> 307
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (242)..(242)
<223> n is a, c, g, or t

<400> 11770
gagtttggct tctatatcac ctgtgagggc cccaggtgcc ctttttccca ggtcccagca 60

ctgccatccc agctagagct atgtgagcag gtgtttgggc tctcagcctc atctgtagtg 120

caggctgtgg cccagacaaa ctcctactac ggtggccaga ccccaggggc cacccaagtg 180

ctcttcatta acggggacac agacccctgg catgtgctaa gcataacaca agcctcaggt 240

cncttggagt cagcccttct catcccaagt gcttcccact gcatggacat ggcaccggac 300

aggccct 307

<210> 11771
<211> 373
<212> DNA
<213> Canis familiaris

<400> 11771
ttttaaaatt gcaccatcag agagtggatg gtggcaagtg cagccagcag gaggggaaga 60

cctggaaggc catccgtgtg gacctggtca tgtgccccta tgagcgccgt gcctttgccc 120

tgctgggctg gactggctcg aggcagttcg agagagacct ccggcgttat gcctctcatg 180

agcggaagat gatcctggat aaccatgcat tatatgacaa gaccaaggta gataaaactt 240

tcactatgtc agcattgaga tatttaaaaa tatctgaatg cacatatttc tttttatact 300

ttcagaaaat attcctcaaa gcagaaagtg aagaagaaat ttttgcacat ctgggattgg 360

attacattga acc 373

<210> 11772
<211> 402
<212> DNA
<213> Canis familiaris

<400> 11772
ctgcctgcag acagagaagc gtcatgggct tctggaagtt ctccccttc ctggttctcg 60

gcatcctggc gctgtaccag gtgggcttcc tccaggcagc accattcagg tctgctttgg 120

aaaatcctcc agactctggt gtgcgcaatg aggaggaatt gcgcctcctc ctggctgcag 180

tgatgaagga ctatatgcag atgaagactc atgagctgga gcaggagcag gagactgagg 240

gctccagggt tgctgtccag aagagatcct gcaactctgc cacctgtgtg gcccattggc 300

tgggaggctt gctgagcaga gccggaagtg tggcaaacac caacttgctg cccaccagca 360

tgggcttcaa ggtctacaat cgacgccgca gggaacttaa gg 402

<210> 11773
<211> 126
<212> DNA
<213> Canis familiaris

<400> 11773
acctgtgtga cccatcggct ggcaggcttg ctgagcagat ctgggggtgt ggtgaagaac 60

aacttcgtgc ccaccaacgt ggggtccgaa gcctttggcc ggcgccgcag agaccttcgt 120

gcctga 126

<210> 11774
<211> 97
<212> DNA
<213> Canis familiaris

<400> 11774
agctacagca agtgaccatc tcctaagacc ctcctgccca gccagccagc cccacctcag 60

cctgccacca ggggcatctt attctctaaa atagcca 97

<210> 11775
<211> 441
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (274)..(274)
<223> n is a, c, g, or t

<400> 11775
ggagagcccg aggaaatgtc ttcatgtacc atgctcccga aagctatgac caccgcagcc 60

tggaattgct ggcagatgtt cagtatgcct tcgggcttcc cttctatcct gtctacgagg 120

ggcagtttac tctggaggag aagagcctgt cgttgaaaat catgcagttc ttttccaact 180

ttgtccgatc tggaaatccc aactacccgc atgagttctc aaggaaagcc tctgagctcg 240

cagccccctg gcctgacttc gtcccgcgca ctgntgggga gagctacaag gagttcagtg 300

tcctgctccc caatcgccag ggcctgaaaa gcgctgactg ctccttctgg gccaagtaca 360

tccagtctct gaaggcggtg gcagatgaag ccaaacaaga gctgtcagca gagagtgaag 420

aggacgacga gccagctgac t 441

<210> 11776
<211> 128
<212> DNA
<213> Canis familiaris

<400> 11776
actcatagac caggttagag gtaagagtga gggaagcctc ttgagattcc agaggatttc 60

gaggtagagt cctccaattt ctgcttcatt cctcatgctt catcaccgat gaataaatct 120

attttcta 128

<210> 11777
<211> 370
<212> DNA
<213> Canis familiaris

<400> 11777
cagcctggac agctccagag ctaagcggtg cagtaatctg agtacctgtg tgctgggcac 60

atactcgaag gacctgaaca actttcatac attctctggc atcggcttcg gggctgaaac 120

acctggcaag aaaagggaca tagccagcgg cttggagagg ggccgctaac ctcgctttgg 180

ggtgccccag gatgccaact gatctccttc cactccttcc tgacttccct tcttgctccc 240

attgatgaat ttaatgcatg cagatttcac ttggattgct cttccagctg gcattggtag 300

ctttgcttgc gagagagaat attggggatc tcaggatgga agggaagtga gcagcactca 360

tagaccaggt 370

<210> 11778
<211> 487
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (35)..(35)
<223> n is a, c, g, or t

<400> 11778
agctgggcca ggtctcagag gacctggctt ggccnctata tgcaagtagg acaaaggttc 60

cgagaatggg tcactggctc aggaccccag ggagcaaggc cctcccagtc catgctgtgc 120

agacctcagg cctcacaaag ctctgcagtt gcccctcctc actaggcatc ctcttggttc 180

tgctcagtga atccttggcc ctgctagcac ccccacctac ccttcccacc acttgagatt 240

gcacccccac cctaaagcca ggggccggga agcaaacagc tcttctgtga agcaaagctc 300

agcatggagg cggctagtct tggaaggcag ccaagctcgg tcacctgcct ggtggacatg 360

gagtgtgggg caggggccag gggcccacag acaggccagg ctgctctggg aggtggaggc 420

tattcctggc caggctgtcc agcttcctga ggcccctggg gcatgcagga ggccagggtt 480

ttagtta 487

<210> 11779
<211> 243
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<400> 11779
atggtgaccg tgtaggcaga agcccatcag ggatgctggc agacgatggc cttggtcctc 60

tcttgtttct cttgggtctg caggctgctc tgtccatggg tgttaggtct tgttccactc 120

cnctcaagaa atctttccac atcatctggc tcttggagtc tgagaagccc tgctcccaag 180

agtgtgatta ggtgaacaaa tatattaaga gggcaacggg tactctcatc cactctggaa 240

atg 243

<210> 11780
<211> 382
<212> DNA
<213> Canis familiaris

<400> 11780
gtttactcaa cttcgaaaaa gcatcagctg ccgatacacc tgaaagatct tgtcacaaga 60

cattgtgtgt gaagatgatg tctgcaaaag acatggttaa agtaatgatt gtcatgtttg 120

caatttgttt tcttgcaaag tcagatggga aacctgttaa gaagagatct gtgagtgaaa 180

tacagtttat gcataacggc aaacatctga gctccatgga gagggtggaa tggctacgga 240

agaagctcca ggatgtacac aactttgttg cccttggagc tccaatagct cacagagatg 300

gtagttccca gaggccccta aaaaaggaag acaatgtcct agttgagagc tatcaaaaaa 360

gtcttggaga agccgacaaa gc 382

<210> 11781
<211> 491
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (27)..(27)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (157)..(157)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (213)..(213)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (327)..(327)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (329)..(331)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (333)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (336)..(339)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (341)..(342)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (344)..(346)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(356)
<223> n is a, c, g, or t

<400> 11781
gctaaatccc agtgacgata catcagngca ctgctgtaga cagcataggg caacaacatt 60

acaagctgct aacattttca agctcttaag attaataaat gccaaaattt acatgtaatc 120

cattgttagc catgatagct gaaattttaa ttgattnttt tgattctagt ttaattcatt 180

taagagctct tttaattgtt ctatttctat tgnttattct ttttaaagta tgtttttgca 240

taatttataa aagaataaaa ttgcactttt taacctctct cccatcttat gatgcaaaat 300

aaaaatttaa tgatcataat tttaaanann ntnnannnna nnannncnnn nnnnnnaact 360

ctaagcattc agtaacttca cattctttat accagaaagg aggcagactt tacatctcat 420

tagtactaaa caaaacaagg aaaaatgggc gccctttaa aaaatacaaa tttttattcc 480

ccaccatatt g 491

<210> 11782
<211> 549
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (304)..(304)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (322)..(322)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (343)..(344)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (519)..(519)
<223> n is a, c, g, or t

<400> 11782
gagaacagag ccagggccca gacccgtccc tgggtggatg aggacctaaa ggacagtact 60

gacctccagc aagtagaaga agatgttgat gactggcaag agtcagagga aaatgttgaa 120

catattccat tctcccacac ccggtatcct gagaaggaaa tgattaagag atcccaggaa 180

ttttacgaac ttctcaataa aagacgatct gtcagattca taagtaatga acaaatcccc 240

atggaagtca ttgataatgt catcaaatca gcagggaccn gccccaagtg gggcccacac 300

ggancccctgg acctttgtga tngtgaaaga cctggatgtg aannacaaga ttcganagat 360

cattgaggag gaggaggaaa taaactattt gaaaaggatg ggacgccagt gggttacaga 420

cctgaagaag ctgagaacca actggattaa ggagtacttg gacacagctc ctgttttgat 480

tctgattttc aaacaagtac atgggtttgc tgcaaatgnt aaaagaaagg tccactacta 540

caatgaaat 549

<210> 11783
<211> 113
<212> DNA
<213> Canis familiaris

<400> 11783
atgggattct ggaagttgtc cccgtttctg gccattggtc tcctggtcat gtatcaagca 60

ggcatcctac aggctgcacc attcaggtct gccttggaga acccactgga atc 113

<210> 11784
<211> 150
<212> DNA
<213> Canis familiaris

<400> 11784
gactatgtgc agatgaaggc tcgtgagctg cagcagaggc aggagactga gggctccagc 60

ctcactgccc agaagagctc ctgcaaggat gacccctgtg tgaccaaccg tctggaaggc 120

tggctggcca gagctgagcg catggtgaaa 150

<210> 11785
<211> 566
<212> DNA
<213> Canis familiaris

<400> 11785
ccccgtgtgc agagatatca atgagtgtga agacgcgagc cacccccct gtcacgggtc 60

ggcccggtgc aggaacacca agggtggttt caggtgtgag tgcacagacc ctgcggtgct 120

cggggaggac ggaacgacgt gtgtagactc cgggaggctc ccgaaggcgt ccttggtctc 180

catcgcgttg ggcatcgtgc tggtcgttgg cctggcgggt ctcacctgga cgctggtttg 240

caggtgggca catgcgggcc gcaaagcctc actgagcatc gcggagttgg gcggaagagg 300

agcccccccg ccgggccgtg gagcgggcca ggacggcgcc tctggcagcc tggtgccccc 360

cctcgggccg cagggcagga cccgggccgt ggaccccaca tccagtagga gccacgtggc 420

gcagggaagc ccggcatgag caggggcagc tgcgggccac ctcctgggag cagaggtcgg 480

tccccagcac gacgggggac ggtgttccct ctggaaacaa ccccgacccc cacgtttcta 540

cctaataaag tgtgtgccgc ttcccg 566

<210> 11786
<211> 232
<212> DNA
<213> Canis familiaris

<400> 11786
ggctccccag cgacgctatc gaaaggggcc gaaacttcaa gattgtcacg gaggtgcagc 60

aggatggaca gaacttcacc tgcgttttgc ttctcttcca ggccaccgtg cacatggacg 120

gggggaagat cgtggtggac ttccccaact atcaccagac ctcggaggtt gtgggtgaca 180

aactggtgga gatctccacc atcggaaacg tgacctatga gcgtgtgagc aa 232

<210> 11787
<211> 381
<212> DNA
<213> Canis familiaris

<400> 11787
gagaagttct tggtgctgtt gccactagtg gtcctggcgc tgctggggct ggcctgcgtg 60

cagccttctc tggccaggga gtcgaaggcc atgaagttcc aacggcagca catggactcg 120

caccccgccg ccatcagcgc cagctactgc aacctgatga tgaagcgccg caacatgacg 180

gatgggtggt gcaagcccgt gaacaccttc gtgcacgagc ctctggcaga cgtccaggcc 240

gtctgctccc agaaggatgt gctctgcaag aacgggcagt ccaactgtca ccagagccgc 300

tcccagatga acatcaccga ctgccgcctg aagaacggct ccaagttccc caagtgcgtg 360

tacacgacca cgcagaagga g 381

<210> 11788
<211> 227
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<400> 11788
gtgcactttg atgcgtgtct gtagctctcg gcctgaggcc agagaancgg gcgccctgtc 60

gcaggtggca cctgctaccc ctcccctgcc ttcctgctct ggggaatccc tgcagccggg 120

gctcctccgg cttgctccca aacccgggct gccctgccca gggctgctcc gcttggtcgg 180

ggggcggggg ccccatgtta gccacctcac cgcttctttc aataaag 227

<210> 11789
<211> 262
<212> DNA
<213> Canis familiaris

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (55)..(55)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (139)..(140)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (181)..(181)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (191)..(191)
<223> n is a, c, g, or t

<400> 11789
ggatgggtgg tgcaagcccg tgaacncctt cgtgcacgag nctctggcag acgtnccagg 60

ccgtctgctn ccagaaggna tgtgctctgc aagaacgggc agtccaactg tcaccagagc 120

cgctcccaga tgaacatcnn ccgactgccg cctgaagaac ggctccaagt tccccaagtg 180

ngtgtacncg nccacgcaga aggagcagta catcgtcgtg gcctgtgagg ggaaccccca 240

cgtgccagtg cactttgatg cg 262

<210> 11790
<211> 478
<212> DNA
<213> Homo sapiens

<400> 11790
ctcactgtcc tgttttctta ggcactgagg gatctgagta ggtctgggat ggacaggaaa 60

gggcaaagta gggcgtgtgg tttccctgcc cctgtccgga ccgccgatcc caggtgcgtg 120

tgtctctgtc tctcctagcc cctctctcac acatcacatt cccatggtgg cctcaagaaa 180

ggcccggaag cgccaggctg gagataacag cctcttgccc gtcggccctg cgtcggccct 240

ggggtaccat gtggccacaa ctgctgtggc cccctgtccc caagacactt ccccttgtct 300

ccctggttgc ctctcttgcc ccttgtcctg aagcccagcg acacagaagg gggtggggcg 360

ggtctatggg gagaaaggga gcgaggtcag aggagggcat gggttggcag ggtgggcgtt 420

tggggccctc tatgctggct tttcacccca gaggacacag gcagcttcca aaatatat 478

<210> 11791
<211> 450
<212> DNA
<213> Homo sapiens

<400> 11791
gaatcgtatg ggttcttctg cccaccgttg tgactaagaa tgcacaggga cttggttctc 60

gttgcacctt tttttagtaa catgtttcat ggggacccac tgtacagccc ttcattctgc 120

tgtgtcagtt tggcctggcc tgacactggc tgccccagcg gggaccacgg aagcagagtg 180

agagccttcg ctgagtcaat gctaccttca gccccagacg catcccattt ccatgtcttc 240

catgctcact gctcatgcac tttttacacg gtttcttcca aacagcccgg tcttgatgca 300

ggagagtctg gaaaaggaag aaaatggttt cagtttcaaa attcaaagga aaaagttgag 360

gacttatttt gtcctgtcaa gattgcaaga acatgtaaaa tgtacggagc ttcataatac 420

gttatattgt tccgaagcag ctcgttgaga 450

<210> 11792
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (147)..(152)
<223> n is a, c, g, or t

<400> 11792
gacacataac agacatgcta tccaccattt atttgtgatt ttgtaagagg gttctcttct 60

ttgtcttgtt cagatatttt catgtgtgtg ttttagtgag aatctgagtt tttaatcagt 120

aaagtctgat gttttgataa cttgaannnn nnatggtaga ctcttgagtt catcttgtcc 180

aaatcttcta gcattttcaa ggatgaagcc tctgtgggat ctttgggctt ggggctgaat 240

ttctcaggca taaataccta atggccttgt ctaagaggga atagatctgt tctgagtgtc 300

cccaaaaaag ttgtcctagg aactgatgtg gagaagttac aggggagact gatttccatt 360

ccttat 366

<210> 11793
<211> 394
<212> DNA
<213> Homo sapiens

<400> 11793
ggactgtaaa tgttccctac tggaatagaa atatgtctct ctccaacttt ccaccaaata 60

aaatggttag agtgaatgcc cagtttcaca tctgcctttt ggagtttgga aagcttaaac 120

aagtcagtta agagaatgag aagaatctca ctgtgggtga taaggagtgt gtagtttgct 180

gtaagggcca ctgatatgac aagaatgatt atcccacagt aagaatgggt aaaacttaat 240

aaagttttct aactttatta aactcacatt atttaatgaa aaaataactg caaaggacca 300

atgagatcat gcatgctgct gtattcttgt gatggaatct accaggatta agttgtattt 360

aaatgaaaaa acaggtacac atttagagat catt 394

<210> 11794
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (92)..(92)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (101)..(101)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (114)..(114)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (149)..(149)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (216)..(216)
<223> n is a, c, g, or t

<400> 11794
taatctaata atctttatct gttcttattt attttatgta tgttcttcta accttgcacc 60

ccncaaggac atggactcta ttgacacact anccctagca nctcagaaga atgncctgac 120

ancatagaag ttgatttngc aaatgtttng ttgaaagaat aagtgattga atgaatgaat 180

agaaactatt ttncttatct atgtgccaat agtagnccag gtagaaaata taatggtgat 240

gaaaagagat tgataggaac aaaaattatt aaaaagagcc taggagtaaa ctttaaaaat 300

acgtaggacc tacattcatt cattgactca gcagtctata tcaagcactt aactctgcca 360

ggcactatga ttttaaggat aaataaggca aacatgatcc ttgcttgttt tg 412

<210> 11795
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<400> 11795
tactctgcac atcttggcta cattaaaatg gactgacaga attatttaaa aggcactatg 60

aaggtagaac actaccttaa tatttntatc ctagtcagaa gcctgattta acactgaact 120

ttgaagggaa gcttagctgt agctcatggc tttcaaagat tagaagaaac atttactggt 180

tctatggaaa atagtcttct tgctaggtag attggaaaca aagaaattgc attggtggtg 240

ttaaaatcta acatttataa caaatcctgt tttattctag atgaaatact tagacaattc 300

ttccagtgga aaccagtgaa ctttttttaac agctttggga attcttttgt atgataattt 360

ttaaaatgaa atgtgtactc ttcaaactaa ttaaagcttg aagttttcca ggagtcgcat 420

tttaaaagtg tt 432

<210> 11796
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (93)..(93)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (141)..(141)
<223> n is a, c, g, or t

<400> 11796
aaatgctttc tgcatgtagc caaagcaaaa cataatagaa taaaagccag agactgtata 60

tatttataaa ttagatccta atctactgca agnataactt ttctattttt aactatataa 120

aataacctct gtctcagcat ngggactgtg ttagcaacta ttattgtgga ataacccaga 180

acattggatt tataccaaca aataggcaat attaatacag tgtattaata aatttattac 240

aaattattaa tacagtgtat taataaattt attacaaatt attaatacag gtaaatgttt 300

tatttgtaga catggactgt gaaataaacc caacacatca gtttttaagt tcttattggt 360

gtggtatcct ctaaattaat gttatagaat ctaaaaattc atgttgaaag ggaatgatta 420

aaacaatgta aatctaaatt gtatgtcatg catgttttga gaatggtgaa tgtttaatgc 480

tcatgaaaat tgggggaggg ggttctatta acacaaagct tctga 525

<210> 11797
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (317)..(317)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (362)..(362)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (375)..(376)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (445)..(446)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (448)..(448)
<223> n is a, c, g, or t

<400> 11797
gggatttcac attataacct acacagagtg aatcgtctca agctaaaaac acagaaanga 60

tgcatgctct tctatgcttt ctctttatac attactcttg cctgtctttt agttacaaca 120

attttataca gactttgttt ttactataga tattttcttt aaatactttt tctttgaatt 180

caaaaagaaa tgcaatgtaa gttaaagact ctaaaaataa ccaaattagg acaaagattt 240

tagcaatggc aattaaagga aggacatgac attcaacagt gaccatagaa ttccctttc 300

aagggagatt caggtangta tttgcatttt aaagatgctg ataagtcttt cagttaataa 360

anctttagc ctgannttc atacttttgc ttgagcattt gaaactttc tcaagttaga 420

atattatgct agaatgatat ttttnntntt ttatgctata atgttgcgtt gatcttgggt 480

attcaaaaat gtgctgaaac tacagtaagc tcacttcttg ggg 523

<210> 11798
<211> 283
<212> DNA
<213> Homo sapiens

<400> 11798
gtgctgtggc cagggtgaga gctgctctgg aaaatgtgac ccagatcctc acaaccacct 60

aatcaggctg aggtgtctta agccttttgc tcacaaaacc tggcacaatg gctaattccc 120

agagtgtgaa acttcctaag tataaatggt tgtctgtttt tgtaacttaa aaaaaaaaaa 180

aaaagtttgg ccgggtgcgg tggctcacgc ctgtaatccc agcactttgg gaggccaagg 240

tgggggggatc acaaggtcac tagatggcga gcatcctggc caa 283

<210> 11799
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)..(28)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (73)..(73)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<400> 11799
tgaggtcagg caaaccttcc agcaatcngt tctgcccaga gaacatactg acgacagaga 60

acacactgag cgntatctgc ttctagttag agcattgccg attgccttca taattcataa 120

tgtgctgtgc tcctctgagg gtctatctgt atttctcttc aaagaattcc ctttttaaat 180

tcttgcagct gggttttaag acacaataat ggggcaaatt aagttttata aacttggaga 240

tttttatnca gtaaataaaa aaataatatg tactagtcac ccctgaaact gcattcttag 300

aactcgactc ttgtt 315

<210> 11800
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

<400> 11800
gggacgcagc ccaacaaaat gagtattgnt cttaaaatcc ccctccccta ccaggacggc 60

tgtgctgtgc tcgacctgag ctttcaaaag ttaagttatg gaccaaatcc catagcgagc 120

ccctagtgac tttctgtagg ggtccccata ggtgtatggg ggtctctata gataatatat 180

gtgctgtgtg taattttaaa tttctccaac cgtgctgtac aaatgtgtgg atttgtaatc 240

aggctatttt gttgttgttg ttgttgttca gagccattaa tataatattt aaagttgagt 300

tcactggata agtttttcat cttgcccaac catttctaac tgccaaattg aattcaagaa 360

accgatgtgg gttttgtttc ctgtacaatt atg 393

<210> 11801
<211> 473
<212> DNA
<213> Homo sapiens

<400> 11801
ctttgttttc ctcctatcaa ggcagctatt ttattaaatt tttcacttag tctgagaaat 60

agcagatagt ctcatattta ggaaaacttt ccaaataaaa taaatgttat tctctgataa 120

agagctaata cagaaatgtt caagttattt tactttctgg taatgtcttc agtaaaatat 180

tttctttatc taaatattaa cattctaagt ctaccaaaaa aagttttaaa ctcaagcagg 240

ccaaaaccaa tatgcttata agaaataatg aaaagttcat ccatttctga taaagttctc 300

tatggcaaag tctttcaaat acgagataac tgcaaaatat tttcctttta tactacagaa 360

atgagaatct catcaataaa ttagttcaag cataagatga aaacagaata ttctgtggtg 420

ccagtgcaca ctaccttccc acccatacac atccatgttc actgtaacaa act 473

<210> 11802
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<400> 11802
tttatgatga ctcagtggtg ccagagtaaa gtttctaaaa taacattcct ctcacttgta 60

ccccactaaa agtattagnc tacacattac attgaagtta aacacaaaat tatcagtgtt 120

ttagaaacat gagtccggac tgtgtaagta aaagtacaaa cattatttcc accataaagt 180

atgtattgaa atcaagttgt ctctgtgtac agaatacata cttattccca tttttaagca 240

tttgcttctg ttttccctac ctagaatgtc agatgttttt cagttatctc cccatttgtc 300

aaagttgacc tcaagataac atttttcatt aaagcatctg agatctaaga acacaattat 360

tattctaaca atgattatta gctcattcac ttattttgat aactaatgat cacagctatt 420

atactacttt ctcgttattt tgtgtgcatg cctcatttcc ctgacttaaa cctcactgag 480

agcgcaaaat gcagctttat acttttttact tt 512

<210> 11803
<211> 196
<212> DNA
<213> Homo sapiens

<400> 11803
cttgaagaca gactacattt ttcctgagcg agacaatttg gtctcaaggg aaaccaaact 60

gtagcacaga atgtgagaga cagcaacaat aggatggaat gcataaaatc cttccccaga 120

gcaagcttct cccacttctt gaaaggcttt atttttatat agcctctgga agccagacaa 180

agtatcactt agaaag 196

<210> 11804
<211> 533
<212> DNA
<213> Homo sapiens

<400> 11804
attctttcca tgacacccaa gggtcgccta tttttaaaaa gtaccacatt ccatgacgca 60

ggagctgtgg aaatggtgag cgctgtgaga tggatgtatt tgtagccagt ctcctatacc 120

cagcagaggg ataacccaaa caaaaatgac tctaaatagc ccagatccca agagattatg 180

taactcctcc atccagtgtt ccaaatttgc tttacatatg attgtatttg tgtatagggc 240

aaaatattat ttttatgcct ggtaagtggc tttttgtact gtagttcaga tagagatatt 300

ttgggtatat tttcaagata catgttgtat ttatggaaga aagagttgtc ctgatgtttt 360

tctgtgttac ttatattaga gtcagagatc ttggtatggg ctgttctgtt tcctgtgtct 420

ccaagcctct gtcttttctg ggatgtggta ttggtgcttt gtgtctaggg cagagtatgt 480

tcttgaagaa aggcaaatct gacttttttct gtgcgcctta aacaattctt gta 533

<210> 11805
<211> 313
<212> DNA
<213> Homo sapiens

<400> 11805
ctggtgggtg gaagggtgcc tggtttaggc ggggtcccag gaggggggtga ggggtgacac 60

ccttggggag ggggcctgca aagggcactg cctgtggcca cgtggtgtct gtgggaattg 120

gtcctgggga ctttgatggg tgtttgcggc cccagttgcc gccctgctcc ctcttccagg 180

gctcctggct tgggcccccc gacccccctg ctcagctcgg gaaaatcccc gtgcggctcc 240

agccccgggt cacgctcagg agcgatgaga ggggcgccct ggccacgctt caggaaagcc 300

tgtgtctgcg cgc 313

<210> 11806
<211> 442
<212> DNA
<213> Homo sapiens

<400> 11806
caccttgggt ctgtgtcact tgtaggtttc tctgcctcca ggttgcctca acagcaggag 60

gcacagcagt ttcaccatct ttgaggtgag ggtggggtgc cccagctagg aagcaagatc 120

gctgtgctag gtctgaccaa aaccagaggg cagtctagtc ctgggggtaa agccctcaga 180

tcccagggta cactcttctc cattccctcc acccacttgc ctgtcacccc agtcacctaa 240

gcaatcactg ggcccagagg agaggagaca gacacacact ggctcctgga cctaaagggt 300

atgagctgga gctaaggcca gctagagctt ccactgtcag ccctcactgt cagccccact 360

gcacccccct gtgcctgctg ggcactgggc actagctaga tgctttaggt tgcttcagct 420

gatccttcaa ctctgtgagg tg 442

<210> 11807
<211> 487
<212> DNA
<213> Homo sapiens

<400> 11807
ggctcatgta ctgctacgta cctgatgacg cgtggactga cccactgtac aatttctacc 60

actacttcta catggtgacc aacacacttt tctacgtcag ctcagctgtg actcctcttc 120

tctacaacgc cgtgtcctcc tccttcagaa aactcttcct ggaagccgtc agctccctgt 180

gtggagagca ccaccccatg aagcggttac ccccgaagcc ccagagtccc accctaatgg 240

atacagcttc aggctttggg gatcccccag aaacccggac ctgaatgtaa tgcaagaatg 300

aacagaacaa gcaaaatgac cagctgctta gtcacctggc aaagcaggtg agcaacctca 360

tcactaatca ttcaagcttc gcagccaggg cgacttctat caacccctgc tctgctgaga 420

accatcaagc gcagggaagc cacgtgaccc ctcctagcct caggctccct cgtctgtgta 480

gtggaga 487

<210> 11808
<211> 508
<212> DNA
<213> Homo sapiens

<400> 11808
gaggtgatct gacccatttt gataagtctt tataaggaag aataaaataa acgtgtaagc 60

aaaattttct tttgtaaaag caaaagccac atctcttttc tggatccttc aggactgggg 120

tttgtttgct tccttttctg tttctgtctt ctcgctgctc tgtgcccttg gttgttttgt 180

ggtggtcctg tcgtccctcg tgcccctcgg ccacctgctg gcagccgatg ggggcactcg 240

gacatctaca accctgcaac tttgtacaga gaaacacaat cagctctttc tgcatgtgct 300

ggtcaaatcc aaacccagag aacagaagcg ctttctaaga atgaacaaat atgtgaaata 360

ggatgttttg tgtagataaa gcattcttgt tacatactgg tcaatttgtg atatgtttta 420

acttaatgtc tgtgtttatt tatggaattc ggttttctta ataaatgttt gagctaatat 480

aaagcatatt atttgacttt tccggaca 508

<210> 11809
<211> 380
<212> DNA
<213> Homo sapiens

<400> 11809
actgatatga atttctactg tcccataaca ctgtgtagtg acttcactgt atattaactt 60

cttttctaca gatgtttgac ttatgagatg aattaattga aaaagtcaaa gcctatcagg 120

agctatctta tatgatgttg gtagcctgtg aaaaaataaa tgtctttttt cttatacaaa 180

ctgataacaa gacttgcttt cacaattact atttacattt ttgtgcatat aatgcctgta 240

tattatactc atatttgaaa gtgatcagaa agtgttattt aacagaaact acatacattt 300

tttatgtctc tctggaccct ttgattctaa gtaaatttac agtaagttag cagtaataga 360

ctattctttt caactatgaa 380

<210> 11810
<211> 438
<212> DNA
<213> Homo sapiens

<400> 11810
aaatctctca atcttcaaat aattcttaga ttgcttgcca gcaaagatgt ctcttgatct 60

tgacactgga attcaatgta aaaatcttga atgatatttt gtactgatat gaatttctac 120

tgtcccataa cactgtgtag tgacttcact gtatattaac ttcttttcta cagatgtttg 180

acttatgaga tgaattaatt gaaaaagtca aagcctatca ggagctatct tatatgatgt 240

tggtagcctg tgaaaaaata aatgtctttt ttcttataca aactgataac aagacttgct 300

ttcacaatta ctatttacat ttttgtgcat ataatgcctg tatattatac tcatatttga 360

aagtgatcag aaagtgttat ttaacagaaa ctacatacat tttttatgtc tctctggacc 420

ctttgattct aagtaaat 438

<210> 11811
<211> 385
<212> DNA
<213> Homo sapiens

<400> 11811
atatcctgcc atgtgagctc agggaatgca aatgcattta aatatccatc taaagcaaac 60

ataattagaa aaatcaatca gctggaggac cccccaaagt ttaatacatt ttcaatacca 120

ccaggaatgg atttttggtc cctttctgca ggtctgggtt gccagacgtt ttatttctgg 180

ggaggagggc tctgggctga ggagctcagt gggtgggagg agggaatggg actgttgctg 240

atcctcaaag gcctctgtag gatggaggga ggggacctta ctcccttccc caccccagat 300

gcaggagtca cccagcttcc ttctctgcgc tgtttccttc acaaattaga cattggtttg 360

ggaaacaatg tagcctcgtt aaaca 385

<210> 11812
<211> 573
<212> DNA
<213> Homo sapiens

<400> 11812
attagttgca aaatccagta ggttaaaata ctcacatatt tttacttaaa ttttctttaa 60

tttacttata tgttattata attttgaatt tttaagttct atgattcatg ttttaaagat 120

ggaataattt taatacatat tttgtttaaa tataatctat aattgttttg taatgtaaga 180

ctaattacta atatttatgt agcaactttt gtgccagaaa aaagactgtt aatttgtttt 240

ttcttgcttt tcatttgatt accctgcttg aaatacagtt agttgataac ataaagccat 300

agttttcttg gattttcttc caagatattg tattcccaag aagaaattga tttattttta 360

aactatcagt tactgaagac ttatgaaaag gtcaattttt acctgtcttt taatccagtc 420

cattttctga cacaatatta aacagaacgc cagttgcatt tactttggtg atttgcaaac 480

ttggaatgaa gccaccagtc atttttaag aatgcaagat gaaaaaatca ggtaaaatct 540

aaccatttta ttctctgctt catagcattc taa 573

<210> 11813
<211> 249
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)..(42)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (138)..(138)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (140)..(141)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(187)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (208)..(208)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (211)..(211)
<223> n is a, c, g, or t

<400> 11813
gatttctgtt cctcaaacaa tttctgaaat atttatgtca gnataaataa aagaattgtt 60

attgttggac aatgaaacat acctggaccc tttgagtgtg tgaatagtaa aggctgtgat 120

aactgaaatg cagctaancn naaagggcta attagaagac ttttgagaca tgatttacct 180

aaatggnaat agtttggttt tcaatccntc nctgtaataa caattatttg catctattaa 240

gtgtttgta 249

<210> 11814
<211> 456
<212> DNA
<213> Homo sapiens

<400> 11814
gagacacaag ctcataatgt tccatgtata aaagtaataa ctttattggg tagagatatt 60

cttacaagat ctagcacctc tgccagtgca cagataggac tgttttaaat gatttgggaa 120

cttttggttg cctgcagttg tgaacagaga acttctctac agagaaacaa accactaaaa 180

gcaatatgac cgagttgaga tgtggtttcc aatgagcaat tggtgaattt aagcaacctg 240

gatgtgcata tgtggaggct cccgtctcac tgtttgatca aacttctttt atgtagtcac 300

gtagacttga ttttttctgc tgtgaaaatg aaaaaataaa gcaatatgac aaaaagttta 360

aaaatgcata aaaaatagga tttcctctag gctcctcgaa gagatttttt taatatgatg 420

cttgtcttac tttcttagac acgttacatt tcccct 456

<210> 11815
<211> 530
<212> DNA
<213> Homo sapiens

<400> 11815
gaggcgagga gataccaacc caaaagccag accagtgaca atggatagaa tgggctgtgt 60

ttccaaacag attgacttgt caaagactct cttcaagcca gcacaagcat ttagatcaca 120

acactgtaga aatttgagat gggcaaatgg ctattgcatt ttgggattct tcgcattttg 180

tgtgtatatt tttacagtga ggtacattgt taaaaacttt ttgctcaaag aagctttcac 240

attgcaacac cagcttctaa ggatttttta aggagggaat atatatgtgt gtgtgtatat 300

aagctcccac atagatacat gtaaaacata ttcacaccca tgcacgcaca cacatacaca 360

ctgaaggcca cgattgctgg ctccacaatt tagtaacatt tatattaaga tatatatata 420

gtggtcactg tgatataata aatcataaag gaaaccaaat cacaaaggag atggtgtggc 480

ttagcaagga aacagtgcag gaaatgtagg ttaccaacta agcagctttt 530

<210> 11816
<211> 157
<212> DNA
<213> Homo sapiens

<400> 11816
aaaaacctgt ccttcctaga tgaagatcag cttcgtgcaa agggttatga caaaacacca 60

gacttcattt tacaagtacc agttgctgta gaagggcaca taattcactg gattgaaagc 120

aaagcctcat ttggtgatga atgtagccac cacgcct 157

<210> 11817
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<400> 11817
agcctccttt gcgtcatttt aaacgccctg cttacgcatc tagctcctat gcaccttcag 60

tctcaaagaa aactgatgag catcctgcaa ggtacaagat gctngatcag aggatcaaaa 120

tgaaaaagat tcagaacatc tcacataact ggaacagaaa ataggccgag gggaagaaga 180

gagggagtga aggagggtct acctatctgc ttctcagcac ccactggcca cagcaggaca 240

cacctccaag acccttggag gctgttggag caggtactat cctggttgac tccaccaagg 300

tgaaatgaaa gttgtatgtg attttcctct ttgttgttct tgtatagact tttcaattgc 360

tgtatgtggg atcagcccag acgccagcaa caaactagca 400

<210> 11818
<211> 154
<212> DNA
<213> Homo sapiens

<400> 11818
aggaagcctt tattggttgg gctaggctgg gctagctgtg gaagatagac ttctatgtcc 60

ctgccccaac cacaatttta ctttaattat tatgtaatta gtgaatcgat gtctgtcacc 120

gtctgtagat gctgaggtct tgttcatctc ttta 154

<210> 11819
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (132)..(132)
<223> n is a, c, g, or t

<400> 11819
ttatttgtca taagccagtc ctcaaaagag ttcctaacag tagtgatttc taatatataa 60

gaataaggta cttctgaggg aattttatat tttcagagtt taaaattatt gctactccca 120

atttagaaaa anggggagaa agctggaaga acaaatgaca tgctcaaatg tattgcataa 180

gtcaacctca caccttaata ctgggagctt ctctgcctcc tgatcctgtc ttgcagataa 240

ggtcccctgg ctaggtttgc gtttatagtc aggttccatt tagctcatta aaggtcactg 300

ctgcttcaaa ggactttgcc cagtggatgc cattcataac cacagatgaa tgttatcagc 360

tatttatcca aattacagga aatgaaacct gaaaaggttg ggtaagaata gtgttgaaaa 420

ttcatagttt taagtttgat ggtctccatt caggcaagtg tgtttcagca aatctctaga 480

aatttacatt gattaaaatg ttagaggctg ttctggaagt tctagacat 529

<210> 11820
<211> 441
<212> DNA
<213> Homo sapiens

<400> 11820
tggggctact agctattgtg ttagatagca cggtatactt tattctcttt cttgtgttgt 60

agaaccagct gggagaggtg tgggtcagtc atgggcttgg tatcccctgg tcttcactat 120

tctagcttgc cattgaattt gtctcccaga ggaaaagaaa gaatggtatt tggaattaaa 180

ttcaagatgt taacttgaca tctatatatt gcacatattc ctgtatagtg aatggatgac 240

ctcctgggaa tagttcctgt gactgatttt agtgataatt gatcatgaag aaatggcagt 300

actgctccac ttcaccttcc tagtgactat tatgtgttcc tagtcagagt gactcagcag 360

agattatttt gttctcttgt gcaatttatt ctgtgtcatt ttatttttgt aatattgtgg 420

cagctaaatg attattctgt g 441

<210> 11821
<211> 456
<212> DNA
<213> Homo sapiens

<400> 11821
tcagtgcgct ttcctgcgcg cactgcggag ggcgccctaa gcgtcaccca agcacactca 60

cttaaagaaa aaacgagttc tttcgttctg tgcgcagtaa aaggggcgcc ctacatctcc 120

gtgccactcc cgccccagcc tagccccaag actttggatc cggggcgaga tgaagggaag 180

agggttgttt tggtttcgga cgacccttgc tctgaccgga agagaagtcc ctatcccaca 240

cctgcctgtc acgttccctc ccctttcccc agcgcactgt tgagggcagc ctctccagct 300

ctcttgttta tgcaaacgcc gagcgcctgg gaggctcggt aggaggagtc ttccacggcc 360

ccgccccgcc ctgtcggtcc cgccctcccc ccccgccggg ctcctggggc tgtggccgaa 420

aggtttctga tctccgtgtg tgcatgtgac tgtgct 456

<210> 11822
<211> 474
<212> DNA
<213> Homo sapiens

<400> 11822
acagccttgg gggaagtgta cagagatgtc tctgaggttg catggcatgg tccttgtgat 60

ggtattactt tttacaaaga atgaaaccaa atggactcag ccctctccca cattttcccc 120

tcaccctcca agtcctaacc cctccatcct ctctaacttt tcaagccaat cccttaatgt 180

cattcctctc tctgtgtatc tgtgccagat gttttccttt cttccttctt tactggaagg 240

acctccacat tcttccctcc ttggaagagg actttactaa aagtcacagg tggtggccag 300

gggggatttc cgaatctcca tcaggcgcgc tcatagttgt ccccattgtc tacccacaca 360

aatcctcagg aaaccaacca ccgcccaggt ggccctgagg gaggcattca cctttatgtg 420

ttagaaaaac atgaccagaa atcaaagatg tcagagcccc gaagcagcta atgt 474

<210> 11823
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (31)..(31)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (86)..(86)
<223> n is a, c, g, or t

<400> 11823
gtgggaaata attctgtttt agtgaataag nctaattaaa gtctatccag accaccatgt 60

ttttatttac agtgactata tatatnccat gattttgaca tagagtataa ttctgatgtt 120

acttatttca atatgccttg tatatattag ctgtttataa gagagtcgct ttttggttga 180

aaagtatttc taggctgagc aaggtagctc atgcctgtaa tccaaacact ttgggaggcc 240

aaggcaggag gatcacttga ggtcaggagt tcaagagcag cctgggcaac atagtgagac 300

ctcatctcta caaaa 315

<210> 11824
<211> 488
<212> DNA
<213> Homo sapiens

<400> 11824
gaaacatcgg ctaggtttcc tgctgcaaaa atctgattcc tgtgaacaca attcttccca 60

caacaagaag gacaaagtgg ttatttgcca gagagtgagc caagaggaag tcaagaaatg 120

ggctgaatca ctggaaaacc tgattagtca tgaatgtggg ctggcagctt tcaaagcttt 180

cttgaagtct gaatatagtg aggagaatat tgacttctgg atcagctgtg aagagtacaa 240

gaaaatcaaa tcaccatcta aactaagtcc caaggccaaa aagatctata atgaattcat 300

ctcagtccag gcaaccaaag aggtgaacct ggattcttgc accagggaag agacaagccg 360

gaacatgcta gagcctacaa taacctgctt tgatgaggcc cagaagaaga ttttcaacct 420

gatggagaag gattcctacc gccgcttcct caagtctcga ttctatcttg atttggtcaa 480

cccgtcca 488

<210> 11825
<211> 401
<212> DNA
<213> Homo sapiens

<400> 11825
catgggtgtt ttgatctctg ttctttcata ctacatttga acagggcaaa atgaactaac 60

tgccatgtag gctaagaaag aaatgctaac ctgtggaaag ttggttttgt aaaattccat 120

ggatcttgct ggagaagcat ccaaggaact tcatgcttga tttgaccact gacagcctcc 180

accttgagca ctattctaag gagcaaatac cttagctccc ttgagctggt tttctctgat 240

ggcacttttg agctcctaag ctgccagcct tcccttcttt tcctgggtgc tcagggcatg 300

cttattagca gctgggttgg tatggagttg gcagacagga tgttcaactt aatgaagaaa 360

tacagctaag gccttgccag caacacctgc cgtaagttac t 401

<210> 11826
<211> 122
<212> DNA
<213> Homo sapiens

<400> 11826
acccctccgc actgtgaaag actaactcct gcaactggaa agcgggggcg cccgccgacg 60

aggaggccac cgtgccaagc cggcagaggt catgccaggc gccaagggca atgtgcccag 120

ct 122

<210> 11827
<211> 317
<212> DNA
<213> Homo sapiens

<400> 11827
gaactgcgag atgctttccg agagtttgac accaatggtg atggggaaat aagcaccagt 60

gagctgcgag aggctatgag gaagctcctg ggtcatcagg tgggacaccg agacatagag 120

gaaattatcc gagatgtgga cctcaatggg gatggacgag tggactttga agagtttgtc 180

cggatgatgt cccgctgagg ccgcgagggc ccctccagga ctgccaagct cccaaaggcg 240

gggctaagag gagctagagc ttgcctcacc cgctgtatcc gccgagagcc caggatgtac 300

tggcggatgg ggcctgc 317

<210> 11828
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (247)..(247)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (260)..(260)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<400> 11828
gaatctagtt atgccttcat cactgttgac agtaaatact gacagcccct tgcagtgtgt 60

tagttttaga tcactctgtt ttagttgaga gaaatgtttt atatcatggt ttttatatga 120

atacaaatta tttctcaaag atttatagca cacactattc tcaggaattc tgtattacat 180

gaatgctgct tatatatttt catattctaa cttgtctttt caagcaaata actaatatat 240

atgtgcnatg cagtctgccn ttgacaagtt gttccnaagc tgaagagctt tcactgtaca 300

atgtgtggaa aatcaccata gatcatggct gaaatagttt gtaattgtct gagtctgtgc 360

acgtactttt agataaaatg ctgctgagtg actgcatgat gagatacaac ttctgaatgc 420

tgcacattct tccaaaatga tccttagcac aatctattgt   460

<210> 11829
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (144)..(147)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (453)..(453)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (460)..(460)
<223> n is a, c, g, or t

<400> 11829
cacctggtgc caccacaggg caccagggat gatcctgatg nggcaggcag gggagactca 60

cagaaaaatc tgcccagagc ctaccctcac cagacaaact ctgtgctcct ccaaaacatc 120

ctttagatgc aaaataataa taannnntaa taataaataa ataaataaaa atccaaaccc 180

aagtcaaaac cttggctcca gcatgaaaac acgtttacag gaaagtgttc tcctgggttt 240

gtgcccacca tggtgcgaat cctgacccaa ggcctcctgt ctcccttcaa agggagaccc 300

ttttggggga tgagtttgcc agactccccg tgctggtttc tttgttacta tttgtttggg 360

gttttgtttt agttcttttt ttttttctt ttcttttta aaaatatgtg gctgtgaact 420

tgaatgaaca ctgctcaaac tttctgctat tgnggggggn gggtgggatg ggaagaaggg 480

gcgtttgt 488

<210> 11830
<211> 434
<212> DNA
<213> Homo sapiens

<400> 11830
caggtgtatc tgcacagtgg tcgccccaca gcagaccatg tgttcacggg atgcccgcac 60

aaaacagctg aggcagctac tggagaaggt gcagaacatg tctcaatcca tagaggtctt 120

ggacaggcgg acccagagag acttgcagta cgtggagaag atggagaacc aaatgaaagg 180

actggagtcc aagttcaaac aggtggagga gagtcataag caacacctgg ccaggcagtt 240

taagggctaa cttaaaagag ttttttcaat gctgcagtga ctgaagaagc agtccactcc 300

catgtaacca tgaaagagag ccagagagct ttttgcacca tgcattttta ctattatttt 360

ccaatactta gcaccatttc actaaggaac cttgaataca accaggatcc tcctttgcat 420

gcgactgtag ctgc 434

<210> 11831
<211> 514
<212> DNA
<213> Homo sapiens

<400> 11831
agattatatc cctatcttct ttttcatgta aaccactggt cacaaatgaa ctgatctctg 60

tatcccatta ttactataag aggtgggaat cccaaaactg cttagattgc agtacatgag 120

tttacacaaa gacttcaaca attgcacatc ttcattctcc caactgagtg tagtatgtgg 180

agcataaaac agcatattct tagtatttca tgaatatcag atggtcttta aatgtctctt 240

tatggatgta ttgttcacat tatggcttta aaataatgaa tatgtaaaag tgaggtagtg 300

aacatcctaa atttctacac tggaattact aaataatctt atttcataaa atgggaaata 360

tatgttaaat gacatcactg gatgaacttg aagatctttt acttgttaac aaaaaaatac 420

tatggacagc tttctgattg ttggggtaaa tagcaaatgt tcaaactttg caggcatttt 480

gacattcatc ataacaacac aattcctaga catt 514

<210> 11832
<211> 441
<212> DNA
<213> Homo sapiens

<400> 11832
ggcttcataa tattccatga gtctggattt ggttacagat agagctggac gagccttagc 60

tatatctaat ggcttttgac atgttatatc aatttcttac tgcttttgta aatgaatata 120

ttaagaagaa aaaattacaa atgacccttt ctttacaaac ttttaggtaa tcaagttcag 180

ttattaagaa atggatgttt gcaacattca tagtaattat tttcagaaaa ttaaaaatga 240

ttaaaaatta tattttcatc ccattcagat attatatatt taactgtgag ataattctca 300

gagataaatg tcaactttta aaaaatgcta aataaattaa atcaaaatat ccactctaaa 360

ataaataaat tagctccgat tatttcttct ttttaaattt ttccttatag ttgtaaaaat 420

aaagtgaacg ttttggctca t 441

<210> 11833
<211> 536
<212> DNA
<213> Homo sapiens

<400> 11833
ggacattcat tataccattc tccccacttc tgtatttgtt tgcaattttt cataataaaa 60

aagttttaaa agtcctccag tttccaacac actcaagaga gagccccaac cccaaacaca 120

gagtttcatg gaaaccccac accaaggcaa gaggcagaga tgatgattcc atttcatata 180

tacactcatt ttctaacttt ttttaaaggc ccactgcttt attttcaata gattaaacct 240

gatttctgag aggtcctgaa gttgggctta tttccctggc tgggttatgg gggagggcag 300

ggtaaaggga tccttaaaaa agtttacact tctatgtatc tcacaatctt attgtgagga 360

tgtgacttgt tcagtgttct gaacttttcg aaggaatcgt gctctcaatg caaagtgtca 420

ttctctggaa ttgcacctgg ctcaggaaag gactgtcttt gtacttgaat ttaaatccaa 480

tggagaactt taacacgggc atttgcatga ctgagaattg ctgctgtctt ttttcc 536

<210> 11834
<211> 536
<212> DNA
<213> Homo sapiens

<400> 11834
agaaaactgg cagtgcacct ctcatcagcc caggtcccag tgccattggc ttcaagaaaa 60

aaaaaaatct ctccccaatg ctctccttaa cctttaagtc ttacaggaag cctctcatag 120

aaattgcctc cagtccagtt tcccaaaaac cccagtgttt tacatatctg tttaggagtg 180

tctaagtttt gtcatcaatc cacgatgtta ttcttccttc ccaactcact gtgctcctaa 240

aggcagcaac cattcatctt tcctttgctc tggatacacc gaatgaccag gtaacatcat 300

caggccgggt gcagtggctc ctataatccc gatattttgg gaggccgagg agagaggatc 360

acttaagccc aggagtctga gaccagcctg ggcaacatag caagaccccc atctctgcaa 420

aaaaataaga aaattagctt ggcatggtgg cacgtgcctg tagtcccagc tacatgggag 480

gctgaggtgg gaggatcact tgagcccagg aagtccagaa cgtagtgagc cttgat 536

<210> 11835
<211> 241
<212> DNA
<213> Homo sapiens

<400> 11835
gatagatcac tgcgaccaga ggaaattgaa gagctccgag aggccttcag agaattcgac 60

aaggacaagg atggctacat caactgccgg gatctgggca actgcatgcg caccatgggc 120

tacatgccca ccgagatgga gctcatcgaa ctgtcccagc agatcaacat gaacctgggt 180

ggccatgtag attttgatga cttcgtggag ctaatggggc ctaaactcct ggcagagaca 240

g 241

<210> 11836
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (161)..(161)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (173)..(173)
<223> n is a, c, g, or t

<400> 11836
gtaatgtaca tatgcatatt gtctatgtac tatatacaca ttgtttataa tattgttatt 60

acagtttgtc attcacctga aaggagaagg aaaagtacga aaggtttctc tgcttgggaa 120

aaggtgaatg ttgttatatc aagaacgatt acacacatgg ntctcataca tgnttttaga 180

acattgttct tctgattgaa gaagtctgat gctcctgaaa aatcttaaaa tatctgactt 240

gtattgaaga aaattattta attaaatttt taaaggctgg ttgaaaaagt ctgacagttc 300

tgagaatttt ttaaatgtct gaattgtaat aaaaaaatgg tttactttaa acttctaaaa 360

actaatgacc ttgtgactaa 380

<210> 11837
<211> 552
<212> DNA
<213> Homo sapiens

<400> 11837
aactgaaggg agccattctc accacgatgc tggccaccag gaacttctcc ggagggaaga 60

gtgggggaaa caagaagagc gatggtgtga agaaaagaaa gtccagttcc agcgttcagt 120

taatggaatc ctcagagagc accaacacca ccatcgagga tgaagacacc aaagtgcgga 180

aacaggaaat tataaaagtg acagagcagc tgattgaagc cataagcaat ggaggttttg 240

agtcctacac gaagatgtgc gaccctggca tgacagcctt cgaacctgag gccctgggga 300

acctggttga gggcctggac ttccatcgat tctattttga aaacctgtgg tcccggaaca 360

gcaagcccgt gcacaccacc atcctgaatc cccacatcca cctgatgggc gacgagtcag 420

cctgcatcgc ctacatccgc atcacgcagt acctggacgc tggcggcatc ccacgcaccg 480

cccagtcgga ggagacccgt gtctggcacc gccgggacgg caaatggcag atcgtccact 540

tccacagatc tg 552

<210> 11838
<211> 526
<212> DNA
<213> Homo sapiens

<400> 11838
gaaatggcca ctgcttgatg tccaggcagg gagcctccag agtagacaag ccctcaagga 60

tgcccggtcc ccatcaccgg cacacattgt ctctaacaaa gtgccagtgg tgcagcaccc 120

tcaccatgtc cacccctca cgcctcttat cacgtacagc aatgaacact tcacgccggg 180

aaacccacct ccacacttac cagccgacgt agaccccaaa acaggaatcc cacggcctcc 240

gcaccctcca gatatatccc cgtattaccc actatcgcct ggcaccgtag gacaaatccc 300

ccatccgcta ggatggttag taccacagca aggtcaacca gtgtacccaa tcacgacagg 360

aggattcaga cacccctacc ccacagctct gaccgtcaat gcttccatgt ccaggttccc 420

tccccatatg gtcccaccac atcatacgct acacacgacg ggcattccgc atccggccat 480

agtcacacca acagtcaaac aggaatcgtc ccagagtgat gtcggc 526

<210> 11839
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (153)..(153)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(251)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (269)..(271)
<223> n is a, c, g, or t

<400> 11839
caagctgcca tattggcctg cttccgtccc tgaatccctt ccaacctgtg ctttagtgaa 60

cgttgctctg taacccttgt tggttgaaag atttctttgt ctgatgttag tgatgcacat 120

gtgtaacagc cccctctaaa agcgcaagcc agncataccc ctgtatatct tagcagcact 180

gagtccagtg cgagcacaca cccactatac aagagtggct ataggaaaaa agaaagtgta 240

tctatccnnn ngtattcaaa tgaagttann nttcttgaac tactgtaata tgtagatttt 300

ttgtattatt gccaatttgt gttaccagac aatctgttaa tgtatctaat tcgaatcagc 360

aaagactgac attttatttt gtcctctttc gttctgtttt gtttcactgt gcagagattt 420

ctctgtaagg gcaacgaacg tgctggcatc aaa 453

<210> 11840
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<400> 11840
gaccaatgat gttttcccat ctctgaatgc taggggtca gtggtgggta cctggttacc 60

cctggggcat cttcactgat anctctgctc agtgccagtc tcaacaccct cagccactag 120

ggcacatcca gaattttaga gacatctcca ggtaggcggg gggcagcacc aatgtgggca 180

ggcctgtctg gactcaagct acaggcccct gctgtgcatg atgtgggaac ctggtcattc 240

ccatgcccca tccagagccc agggctgtgg ctccaccact gagcatccct tgtcccactg 300

tcctcccctg cctcgggcac tgcccagccc tccactcctg catcacagca gttttaaggt 360

cccattattg tactg 375

<210> 11841
<211> 206
<212> DNA
<213> Homo sapiens

<400> 11841
gtttctcttg gtcaaaaaca cactcaagtc gtctccaagt tcgaagcatt cagcaaacaa 60

tggcaaggca gagccaccag aaaggtacac ctgattttca tgacagatat ggtaatgctg 120

tattagctag tggagccact ttctgtactg ctgtatggac aagtgtagca acacaagtcg 180

gaatagaatg gaacccatcc cctgtt 206

<210> 11842
<211> 199
<212> DNA
<213> Homo sapiens

<400> 11842
gagtccagca aaggtgcagc ctttgtgtcc aagcaggagg gcagcgaggt agtgaagaga 60

cccaggcgct acctgtatca atggctggga gccccagtcc cctacccgga tcccctggag 120

cccaggaggg aggtgtgtga gctcaatccg gactgtgacg agttggctga ccacatcggc 180

tttcaggagg cctatcggc 199

<210> 11843
<211> 521
<212> DNA
<213> Homo sapiens

<400> 11843
gcccatgccc aggagcaaat tcgcagaatg aatgaaaaca gccatgtcca agtgcctttc 60

cagcagctca accaacttgc tgcctacccc tatgctgttt ggtactatcc acaaatcatg 120

cagtatgttc ctttcccacc gttttccgac atctccaatc ccactgctca tgaaaattat 180

gaaaaaaata acgtcatgct acagtggtga tatgattgaa aatttcattc tctgaatttc 240

tcctctcaag gaaaaccatc ttatctgaag actggactgt tgttttagaa tagtaaaatc 300

ccatattgaa ggaaattgtt ctttttgagt tatctactta atagcatatc attctttttc 360

ttaagctaaa ttttcctaga gagtttattg tctaaatttc agttgtgtct tgccatatgg 420

agggcaccta atcagagggt attaaagtgt ttactaagtt ttctagtgga cattttgttt 480

aaaaagtctt tgaattgcca gttctgtaag tgccatcaat t 521

<210> 11844
<211> 129
<212> DNA
<213> Homo sapiens

<400> 11844
tccaaagaag atagcaactc cacggagagc aaatcaagca gtgaggaaga tggccagttg 60

aaaaacattg agatagagag ccggaaatta acagttgatg cctatcacaa caaacccatt 120

ggggaccaa 129

<210> 11845
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)..(30)
<223> n is a, c, g, or t

<400> 11845
gaagttcaac tcaggaaggt gcaatataan caaatgtgct atattataat gaggaatggt 60

actaccgttc cagattttct gtaattgctt ctgcaaagta ataggcttct tgtccctttt 120

ttttctggca tgttatggaa tgatcattgt aaatcaggac catttatcaa gcagtacacc 180

aactcataag atcaaatttc attgaatggt ttgaggttgt agctctataa atagtagttt 240

ttaacatgcc tgtagtattg ctaactgcaa aaacatactc tttgtacaag aagtgcttct 300

aagaatttca ttgacattaa tgacactgta tacaataaat gtgtagtttc ttaatcgcac 360

tacctatgca acactgtgta ttaggtttat catcctcatg tatttttatg tgacctgtat 420

gtatattcta atct 434

<210> 11846
<211> 399
<212> DNA
<213> Homo sapiens

<400> 11846
tagtctaagg ccatggcatc ccttttttcat aaattatttg attatttaag actaaaagtt 60

gcattttaac cctattttac ctagctaatt atttaattgt ccggtttgtc ttggatatat 120

aggctatttt ctaaagactt gtatagcatg aaataaaata tatcttataa agtggaagta 180

tgtatattaa aaaagagaca tccaaatttt tttttaaagc agtctactag attgtgatcc 240

cttgagatat ggaaggatgc ctttttttct ctgcatttaa aaaaatcccc cagcacttcc 300

cacagtgcct attgatactt ggggagggtg cttggcactt attgaatata tgatcggcca 360

tcaagggaag aactattgtg ctcagagaca ctgttgata 399

<210> 11847
<211> 534
<212> DNA
<213> Homo sapiens

<400> 11847
tcctttaatg gccccagtca tgagaatata ataacacatg gcagaaaata tcattatgta 60

ccccacagac aaaataattc tacacggaat aagggtatgc cacaagggaa aggctcctgg 120

ggtagacaac cccattccaa caggaggttt agttcccgta gaagggatga cagtagtgag 180

tcatctgaca gtggcagttc aagtgagagc gatggtgact agtccaccag gagttcccag 240

cggggtgaca gtctgaagac ctcgtcacct gtgagttgat gtagaggaga gccacctgac 300

agctgaccag gtgaagagag gatagagtga agaactgagt gagccaagaa tcctggtctc 360

cttgggggaa tttttgctat cttaatagtc acagtataaa attctattaa aggctataat 420

gtttttaagc aaaaaaaaat cattacagat ctatgaaata ggtaacattt gagtaggtgt 480

catttaaaaa tagttggtga atgtcacaaa tgccttctat gttgtttgct ctgt 534

<210> 11848
<211> 554
<212> DNA
<213> Homo sapiens

<400> 11848
gttagctgca atccagcttc ccaagaaggc tggggatata acaaacaaag ctacaaaaga 60

gaaggaaagt gatgaagaag aagaggagga agaggaagga aatgaaaacg aagaaagcga 120

agcagaagtg gatgaaaacg aacaaggcat aaacggcacc agtaccaaca gcacagaggc 180

agaaaacggc aacggcagca gcggaggaga caatggagaa gaaggggaag aagaaagtgt 240

cactggagcc aatgcagaag gcaccacaga gaccggaggg cagggcaagg gcacctcgaa 300

gacaacaacc tctccaaatg gtgggtttga acctacaacc ccaccacaag tctatagaac 360

cacttcccca ccttttggga aaaccaccac cgttgaatac gaggggggagt acgaatacac 420

gggcgtcaat gaatacgaca atggatatga aatctatgaa agtgagaacg gggaacctcg 480

tggggacaat taccgagcct atgaagatga gtacagctac tttaaaggac aaggctacga 540

tggctatgat ggtc 554

<210> 11849
<211> 476
<212> DNA
<213> Homo sapiens

<400> 11849
accaatgcgt tggagaacga gggaggactt catagcagaa gaattggagt tggaaggttg 60

catagggttt cctcattgga gaccggggaa ttctattctt gggataaata atagtaaatt 120

ctataggatt caatacttag tttgcaaaag cactttgaaa ttatggcaca gtgagttgtt 180

ttggataaga aaatcttttt ctcccaatta atttaccaat tcatcatttt tttttttgt 240

agaactccca taaacatcac cttactaatc actggtgatg ataagaagga ttgggtcagg 300

aagagtggga gaaagaaatt cctctttacg tagatacttt ttagctttat tttttctaaa 360

atcagtttgc gtgcaatgct agaaaaaaac tgttctctga gtcctttaca gagcaaaatt 420

ctgtatgtaa gattcaattg atttttgaca aataccattt gaaatattac ctcaac 476

<210> 11850
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)..(33)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (156)..(156)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (174)..(174)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (182)..(182)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (192)..(192)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (297)..(297)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (303)..(303)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (321)..(321)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (334)..(334)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (423)..(423)
<223> n is a, c, g, or t

<400> 11850
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atctcttctc tctagaaaag ataacaccac aattaataat ccttcccact ttcattgaga 120

tcagctntgt ctgataacct gatatgagtg tgatantgat aaacatgata atangtggta 180

cntttgtaat tntgctggtg catttaagaa gatagtaaat gatgagttca tcttttcttc 240

gaacattcct attcctagat gtagtttacc tcaaattggg aattataact gtctaanttt 300

tgntgtgtac ctgatgcccc ntttgcttta atanccacag tgtaacaatt aaatatcaca 360

ctatgacata tgatttaagt aggatatttt aaagataaat tttaggggta aatgtttact 420

tcnaaatgac tccatatttc aaatatctgt ttagactgtg aaggccaaat aatttttaag 480

aaaacatttg aagagtagtg tgtttgcatt tgtgaataat cttactca 528

<210> 11851
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (345)..(345)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (348)..(350)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (352)..(354)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (356)..(356)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (360)..(361)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (363)..(363)
<223> n is a, c, g, or t

<400> 11851
aacatcgata accatgcatc ctcttgcttg gccacctcct gaaactgctc cacctttgaa 60

gtttgaactt tagtccctcc acactctgac tgctgcctcc ttcctcccag ctctctcact 120

gagttatctt cactgtacct gttccagcat atccccacta tctctctttc tcctgatctg 180

tgctgtctta ttctcctcct taggcttcct attacctggg attccatgat tcattccttc 240

agaccctctc ctgccagtat gctaaaccct ccctctctct ttcttatccc gctgtcccat 300

tggcccagcc tggatgaatc tatcaataaa acaactagag aatgntgnnn annnananan 360

nanagaatta ctaaggagaa gatgcctctg gagtttggat cgggtgttac aggtacaagt 420

a 421

<210> 11852
<211> 507
<212> DNA
<213> Homo sapiens

<400> 11852
atagtttcat cttccgaggc caataaagtg ctcacgagag cgcccatctt acaatcaaca 60

cctgtcacac ccccaccact cccgccagcc tttggaggca ccagtaaaat agaccagtat 120

tctcgaattc tcttcccagt tgcatttgca ggattcaacc ttgtgtactg ggtagtttat 180

ctttccaaag atacaatgga agtgagtagc agtgttgaat agcttttcca ggacaacctg 240

aattctataa gttcttgttt tctgtttcct atgttttctt aaaaaatagc attgagactt 300

gtgtagatgc ttctcagaac atgaaatcaa attggaaatc tgtaacgcag cttctgtaag 360

catgtgtggg caaaaaagca ataatcctac tcctcaaaat agaaagttga agattgctga 420

aaaatatgac ttttctgtat gttagagaaa aactttatga ggatgaaatg ggttcaagat 480

gaatttgtca acttttgtct tccattg 507

<210> 11853
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)..(45)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (118)..(118)

<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (150)..(150)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (454)..(455)
<223> n is a, c, g, or t

<400> 11853
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aaatcctagg ctcctnggag gnccctggca gaagccagaa cacatggctg ggcctttnca 120

gcccaaccca ctgtcttgca gtggacggan agccttggcg agggcagcag ggtagagagg 180

acaaagaatg tggggctggt ttctgccctt taagagcacc cggtcagtca gagaacagag 240

atcacacaca ccaaaccaga cagaggcagg gcagcatgga gacaggtaga cagacctcca 300

ggtccctaag ctggggacag agaaggttct gagctgtccc atactcccac tttgtgccaa 360

atgactttgc acctgcaaat ggtgcttcaa tgtcgttttg tatctttaag ctgtgatgtt 420

gtatatatac aatgcctccc agctagactg taanncctt ggggacaagg gctgcttcca 480

gttcttggat ggcgttctcc   500

<210> 11854
<211> 548
<212> DNA
<213> Homo sapiens

<400> 11854
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gcctctccat gctgtggttt gccactagct ttgcatacta tgggctggtc atggacctgc 120

agggctttgg agtcagcatc tacctaatcc aggtgatctt tggtgctgtg gacctgcctg 180

ccaagcttgt gggcttcctt gtcatcaact ccctgggtcg ccggcctgcc cagatggctg 240

cactgctgct ggcaggcatc tgcatcctgc tcaatggggt gataccccag gaccagtcca 300

ttgtccgaac ctctcttgct gtgctgggga agggttgtct ggctgcctcc ttcaactgca 360

tcttcctgta tactggggaa ctgtatccca caatgatccg cgctgtcact gtcctcctgc 420

cagagaccct gggccagcca ctgccagaca cggtgcagga cctggagagc aggtgggccc 480

ccactcagaa agaagcaggg atatatccca ggaaagggaa acagacgcga cagcaacaag 540

agcaccag   548

<210> 11855
<211> 432
<212> DNA
<213> Homo sapiens

<400> 11855
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catcgtgagc ccactggtga gcatgactgc cgagctctac ccctccatgc ctctcttcat 120

ctacggtgct gttcctgtgg ccgccagcgc tgtcactgtc ctcctgccag agaccctggg 180

ccagccactg ccagacacgg tgcaggacct ggagagcagg aaagggaaac agacgcgaca 240

gcaacaagag caccagaagt atatggtccc actgcaggcc tcagcacaag agaagaatgg 300

actctgagga ctgagaaggg gccttacaga accctaaagg gagggaaggt cctacaggtc 360

tccggccacc cacacaagga ggaggaagag gaaatggtga cccaagtgtg ggggttgtgg 420

ttcaggaaag ca 432

<210> 11856
<211> 501
<212> DNA
<213> Homo sapiens

<400> 11856
aacaatttga ggctctaagc ttctcatgtg gtacgtttag acagaggcta aatctgcaca 60

ctagaatctt gatgatacct tcctgcaaga cagaatgctt tagttaaaag tggtgatgat 120

atttctttca atctgtattg gatggcttaa agggctataa atctgtttat aaagagcatt 180

tcctgctctt cgaagacagc aatgaggagt tggaaggtgc aaagtcagta gagaagggaa 240

tgtatcatta atgcacctga gaagaaacag tttcatgtgt tcctccacct agagtttgta 300

ctggaatgct atttctaaag aagaagtggg aaagagagag gaatgggatg gagccccaca 360

gtcagaatgt tactatgtct ttctttccct gacagcccat cttcctaaaa gggaccagct 420

tatggaaggc tcgaccttga ggggaaagtt ttactgtgaa agtcttcttc agatccccac 480

ctgcatcatt ccgaatgtgt c 501

<210> 11857
<211> 502
<212> DNA
<213> Homo sapiens

<400> 11857
aagtccggac atcctatgtc ccagaggagg tgctttgggg ctaccgtttt gctcccatag 60

tatccaagac aaaggaaggg aaataccgag tggatttcca taactttagc aagacagtgg 120

aagtggagac ccctcactgt gccatgtgcc tttataatga gaaagatgtt agagccagga 180

tgaagagagg ctatgacaac cccaacttca tcttgtcaga agtcaatgaa acagatgaca 240

ccaaaatgta acagtggctt ttcaacagga gtaaagcaaa gtctctaaag ctcctagtac 300

ctagaagcat tatgaagcag tcaacaattt aggggtacga aagtaggatg agagccttca 360

aagtctacca gcacaaagac ccctgagccc cgcaattgtg atcccacaag acatgcatct 420

ccacaaggct actgtattag aacgtgcaat gcatttatat gaaactggtg tatggaagac 480

ataggtgctc tcttgaaatc tt 502

<210> 11858
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (485)..(485)
<223> n is a, c, g, or t

<400> 11858
gtgctgttgc ttccagaaac taaagggaaa gctttgcctg agaccatcga ggaagccgaa 60

aatatgcaaa gaccaagaaa aaataaagaa aagatgattt acctccaagt tcagaaacta 120

gacattccat tgaactaaga agagagaccg ttgctgctgt catgacctag ctttgatggc 180

agcaagacca aaagtagaaa tccctgcact catcacaaag cccatacaac tcaaccaaac 240

ttacccctga gccctatcaa cctaggtcta cagccagtgg agtctattgt acactgtgga 300

aaaataccca tgggaccaga tcctgccaaa ttcttccagc tcactttatt ctcagcattc 360

ctaggacatt ggacattggt tttctggagg gttttttttc cgatctttgt attttttaa 420

atttgattct tttctttgca atgctagcaa ccagaataca taggggaact gtgggctagg 480

caaanaaaat agaaaaagtg tgaaaaacag taaagttggg agaggagcat ctattttctt 540

aa 542

<210> 11859
<211> 497
<212> DNA
<213> Homo sapiens

<400> 11859

gattttccgt ccagatgttc cggtttgctg gaaactatga cctagtctac ctggactgtg 60

aagtctatct ctgtgacacc atgaatgaaa agtgcaagcc tacctgctct gggaccagat 120

tccgaagtgg gagtgtcata gatcaatccc gtgtcctgaa cttgggtccc atcacacgga 180

aaggtgtcca ggccacagtc tcaagggctt ttagcagctt ggggctcctg aaagtctggc 240

tgcctctgct tctctcggcc accttgaccc tgacttttca gtgactgaca gcggaaagcc 300

ctgtgctcca tggctgccat ctcacctcct gctgggcagg gggcatgatg cgggccagtg 360

ctccagccac agaaaagaaa gttcatgctt tgttcagcct gccttctttt ctccctttta 420

atcctggctg tcgagaaaca gcctgtgtct ttaaatgctg ctttttctca aaatgggact 480

tgtgacggtg tacctga 497

<210> 11860
<211> 507
<212> DNA
<213> Homo sapiens

<400> 11860
gcctgccata gaaaagtcac atccctgagg gagacactct gtcctcattc cctgcccttc 60

ctttggttgc catatggaat ggccatggaa tgcacgaagt cacaatgcac catccatgag 120

aagacagtga aatgatgtaa tgacagagaa ggcagacaac atgtttccgt gactcatcta 180

gtcagagcaa ttatgggaaa cagctttggt caacattcta ctttggaaag aattttgagt 240

ctagatgtgg ttaaattttg acttctggga acttggttca gatgtccctt tcactgtatg 300

tcctctgacc cctttggcaa ggttgccaca gctcccacag cccttcctac aagcacctat 360

cattgggctt gtcacactct attgctcttc tgtcccgaag atgcagtctt ctctccaatg 420

atactaccaa gtcttagttt tcctcaacca cactcaatct ttttgctcca ccctgaattc 480

ctcacaccta accctgatag ttaccta 507

<210> 11861
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)..(41)
<223> n is a, c, g, or t

<400> 11861
gctgctgcct gaaaagtata ttaactagat tagaagacac natatactcc aataaaatga 60

aatatattct attctcaata tataaacttt aattgtactc cctatcaaat attttgaaat 120

ttccatcacg gcattacttt gcatattttt ttctaattaa atggttagta cagatgaaat 180

ctttatagat gactacttga aaactaagtg ctacaaattt tcaaaccatt attaagaaat 240

atatcctgaa tcatatattt agttactttc tatagtgatt gtatggattt aaaagaataa 300

ttaaaatgtg aagttgaaaa acttgtaaaa tttggaatat acagatactg atttttttca 360

tttttgttag tatacctata atacataatc acattgacaa accaatgaaa atattgtttt 420

tctgatgaat ggcttgattt ttctccttga catgttttga ctgttcattc taactga 477

<210> 11862
<211> 122
<212> DNA
<213> Homo sapiens

<400> 11862
acaagtgaat tataccccac agtcatcagg caaacaggta tgggcgtaag taacctgtgg 60

acccgcgtgg gaagcatggt gtccccgctg gtgaaaatca cgggtgaggt acagcccttc 120

at 122

<210> 11863
<211> 530
<212> DNA
<213> Homo sapiens

<400> 11863
ggatcctcga tacagcacag agctcgggat gtatcagccc cactgtgggc tcgacagggt 60

cctcatgtcc tggggccatg atgagtacat gttccaggtg atgaagttta acaagttctc 120

actgcccccc gaggctttct acatgatccg ggtccacttc ttttacccct ggcacacggg 180

ccgcgactac cagcagctgt gcagccagca ggacctggcc atgctgccct gggtgcggga 240

gttcaacaag ttcgacctct acaccaagtg cccggacctg ccggacgtgg acaagctgcg 300

gccctactac caggggctca ttgacaagta ctgccctggc atcctgagct ggtgaccctc 360

ctgccaccca agctgctgct ggacctaggc ctggccctcc gcctgcctgc agaggcctgg 420

ccctgggcaa acagccgcca tcagggttca cctcggtggg ggaccccact caccccctta 480

gggtcgccac ccctcacggc aacttgtgcc tggcgtcaat aaagacctgg 530

<210> 11864
<211> 417
<212> DNA

<213> Homo sapiens

<400> 11864
gcccgaggct ggaagtggtg tctgccttca agggttaatc cctctttgtt ccaagcagaa 60

gcattcttgg catcccagtg aagagctcag gccctcagga agtgtcttgc ttgaatggaa 120

tggcccagca ttagcccagt attggaaaag acaccagccc aggggccctg actcgtcaca 180

cttccctttc ctaagcctct gagggtggag attcccctag gagcgcttgg ccagctggga 240

aggcagcgcc cagctgcact tgttgttgat acagcataag tgaatcatgg gcatttccct 300

gagagcagtg ggagaggccc tctgagttgg aagttgagct ccacctcctt tccaagtgag 360

cactcagtgt tgaatcacag ttacaaccca ctggggctgg tgggagatgc gttgtat 417

<210> 11865
<211> 152
<212> DNA
<213> Homo sapiens

<400> 11865
cgaggccaag tcttactttg aaaagtcaaa ggagcagctg acacccctga tcaagaaggc 60

tggaacggaa ctggttaact tcttgagcta tttcgtggaa cttggaacac agcctgccac 120

ccagtgaagt gtccagacca ttgtcttcca ac 152

<210> 11866
<211> 194
<212> DNA
<213> Homo sapiens

<400> 11866
gcacagacac caaggacaga gacgctggct aggccgccct ccccactgtt accaacatga 60

agctgctcgc agcaactgtg ctactcctca ccatctgcag ccttgaagga gctttggttc 120

ggagacaggc aaaggagcca tgtgtggaga gcctggtttc tcagtacttc cagaccgtga 180

ctgactatgg caag 194

<210> 11867
<211> 498
<212> DNA
<213> Homo sapiens

<400> 11867
taaatacagt agtccccact tatctgaggg ggatacattc aaagaccccc agcagatgcc 60

tgaaacggtg gacagtgctg aaccttatat atatttttc ctacacatac atacctatga 120

taaagtttaa tttataaatt aggcacagta agagattaac aataataaca acattaagta 180

aaatgagtta cttgaatgca agcactgcaa taccataaca gtcaaactga ttatagagaa 240

ggctactaag tgactcatgg gcgaggagca tagacagtgt ggagacattg ggcaagggga 300

gaattcacat cctgggtggg acagagcagg acaatgcaag attccatccc actactcaga 360

atggcatgct gcttaagact tttagattgt ttatttctgg aatttttcat ttaatgtttt 420

tggaccatgg ttgaccatgg ttaactgaga ctgcagaaag caaaaccatg gataagggag 480

gactactaca aaagcatt 498

<210> 11868
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (61)..(61)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (82)..(82)
<223> n is a, c, g, or t

<400> 11868
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naagtcaaga acatgctaag cntaagggac ccaaggtaga aagagatcaa gcagcaaagc 120

acaggttctc ctggatgaaa ttactagcac ataaagttgg gagacaccta agccaagaca 180

ctggttctcc ttccggaatg aggccctggg aggaccttcc tagccaagac actggttctc 240

cttccagaat gaggccctgg aaggaccctc ctagtgatct gttactctta aaacaaagta 300

actcatctaa gattttggtt gggagatggc atttggcttc tgagaaaggt agctatgaaa 360

taatccaaga tactgatgaa gacacagctg ttaacaattg gctgatcagc ccccagaatg 420

cctcacgtgc ttggggagaa agcacccctc ttgccaacaa gcctggaaag 470

<210> 11869
<211> 449
<212> DNA
<213> Homo sapiens

<400> 11869
aggagcagaa atttgtccag caccacatag gccctgtgaa cacctggatg ggcctccacg 60

accaaaacgg gccctggaag tgggtggacg ggacggacta cgagacgggc ttcaagaact 120

ggaggccgga gcagccggac gactggtacg gccacgggct cggaggaggc gaggactgtg 180

cccacttcac cgacgacggc cgctggaacg acgacgtctg ccagaggccc taccgctggg 240

tctgcgagac agagctggac aaggccagcc aggagccacc tctcctttaa tttatttctt 300

caatgcctcg acctgccgca ggggtccggg attgggaatc cgcccatctg gggcctcttc 360

tgctttctcg ggaattttca tctaggattt taagggaagg ggaaggatag ggtgatgttc 420

cgaaggtgag gagcttgaaa cccgtggcg 449

<210> 11870
<211> 480
<212> DNA
<213> Homo sapiens

<400> 11870
ggcttccagc tcatctagat gaggagctcc aagccacact ccacgacttt agacatcaaa 60

tcctgcagac aaggggagcc ctcagtctgc agggctccat aatgacggta ggagagaagg 120

tcttctccag caatgggcag tccatcactt ttgatgccat tcaggaggca tgtgccagag 180

caggcggccg cattgctgtc ccaaggaatc cagaggaaaa tgaggccatt gcaagcttcg 240

tgaagaagta caacacatat gcctatgtag gcctgactga gggtcccagc cctggagact 300

tccgctactc agacgggacc cctgtaaact acaccaactg gtaccgaggg gagcccgcag 360

gtcggggaaa agagcagtgt gtggagatgt acacagatgg gcagtggaat gacaggaact 420

gcctgtactc ccgactgacc atctgtgagt tctgagaggc atttaggcca tgggacaggg 480

<210> 11871
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (122)..(122)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (158)..(158)
<223> n is a, c, g, or t

<400> 11871
gcagtggcca ctatggggtc tgggctgccc cttgtcctcc tcttgaccct ccttggcagc 60

tcacatggaa cagggccggg tatgactttg caactgaagc tgaaggagtc ttttctgaca 120

anttcctcct atgagtccag cttcctggaa ttgcttgnaa aagctctgcc tcctcctcca 180

tctcccttca gggaccagcg tcaccctcca ccatgcaaga tctcaacacc atgttgtctg 240

caacacatga cagccattga agcctgtg 268

<210> 11872
<211> 554
<212> DNA
<213> Homo sapiens

<400> 11872
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gggcattcac accacccccc atgccaccgg ctccactttc ccctttttatt aatacattca 120

cccagataat cattaaaatt aacatgtgcc aggtcttagg atgtgtcttg gggtgggcac 180

agtacccggt gactcttggg gatatttatt tattttccct gagcctatat cttcatctgt 240

gaaatgggga taaaaatact tgttgctgtc acaattatta ccatctctcc agctagcaaa 300

attactacca gagccgttac tacacacaaa ggctattgac cgagcacata ccatgtgcca 360

cacaccttga caaaatcttt taatacagtt tattatgtac tattcaatct ttacacaatg 420

tcacgggacc agtattgttt acccaatttt ttataaggac actgaagctt agaggagtga 480

aatgttttga gtgttatttc agagagcaaa tggcaaagac tggatccaaa cccatcttcc 540

tggacctgaa gttc 554

<210> 11873
<211> 457
<212> DNA
<213> Homo sapiens

<400> 11873
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tgtatgacta ccagcagctg ctgatcgcct acaagccagc ccctggcacc tgctgctaca 120

tcatgaagat agctccagag agcatcccca gtcttgaggc tctcaataga aaagtccaca 180

acttccagat ggaatgctct ctgcaggcca agcccgcagt gcctacgtct aagctgggcc 240

aggcagaggg gcgagatgca ggctcagcac cctccggagg ggacccggcc ttcttgggca 300

tggccgtgaa caccctgtgt ggcgaggtgc cgctctacta catctaggac gcctccggtg 360

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gcttttgcag acgggcaaga agctgcttct gcccaca 457

<210> 11874
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (234)..(241)
<223> n is a, c, g, or t

<400> 11874
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ctagaaaagt ccacaacttc caggccaagc ccgcagtgcc tacgtctaag ctgggccagg 120

cagaggggcg agatgcaggc tcagcaccct ccggagggga cccggccttc ctgggcatgg 180

ccgtgagcac cctgtgtggc gaggtgccgc tctactacat ctaggacgcc tccnnnnnnn 240

ngggtcagtg gaagccccaa cgggaaagga aacgccccgg gcaaagggtc ttttgcagct 300

tttgcagacg ggcaagaagc tgcttctgcc cacaccgcag ggacaagccc tggagaaatg 360

ggagcttggg gagaggatgg gagtgggcag aggtggcgc 399

<210> 11875
<211> 312
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (95)..(95)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (265)..(265)
<223> n is a, c, g, or t

<400> 11875
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tgttggtgac atgcattgca cgggcctgtc tcccngtttg tgtaaacata ctagagtata 120

ctgcggcgtg ttttctgtct acccatgtca tggtgggga gatttatctc cgtacatgtg 180

ggtgtcgcca tgtgtgccct gtcactatct gtggctgggt gaacggctgt gtcattatga 240

gtgtgccgag ttatgccacc ctgtntgctc agggcacatg cacacagaca tttatctctg 300

cactcacatt tt 312

<210> 11876
<211> 166
<212> DNA
<213> Homo sapiens

<400> 11876
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agggcctcag gaccagggaa cctacagctg tgtggccacc cattccagcc acgggcccca 120

ggaaagccgt gctgtcagca tcagcatcat cgaaccaggc gaggag 166

<210> 11877
<211> 558
<212> DNA
<213> Homo sapiens

<400> 11877
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tcaattccca aacagagcca aatactctat atctatagtc acagccctgt acagcatttt 120

tcataagtta tatagtaaat ggtctgcatg atttgtgctt ctagtgctct catttggaaa 180

tgaggcaggc ttcttctatg aaatgtaaag aaagaaacca ctttgtatat tttgtaatac 240

cacctctgtg gccatgcctg ccccgcccac tctgtatata tgtaagttaa acccgggcag 300

gggctgtggc cgtctttgta ctctggtgat ttttaaaaat tgaatctttg tacttgcatt 360

gattgtataa taattttgag accaggtctc gctgtgttgc tcaggctggt ctcaaactcc 420

tgagatcaag caatccgccc acctcagcct cccaaagtgc tgagatcaca ggcgtgagcc 480

accaccaggc ctgattgtaa ttttttttt ttttttact ggttatggga agggagaaat 540

aaaatcatca aaccccaa 558

<210> 11878
<211> 539
<212> DNA
<213> Homo sapiens

<400> 11878
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tttcttgtaa gaaattcaga aactacagac aaagagagtg gaaattaccc actgtcaggc 120

ctctgagccc aagctaagcc atcatatccc ctgtgccctg cacgtataca cccagatggc 180

ctgaagcaac tgaagatcca caaaagaagt gaaaatagcc agttcctgcc ttaactgatg 240

acattccacc attgtgattt gttcctgccc caccctaact gatcaattga ccttgtgaca 300

atacaccttc cccacccttg agaaggtgct ttgtaatatt ctccccaccc accccacgcc 360

cgcacccccg cacccttaag aaggtatttt gtaatattct ctccgccatt gagaatgtgc 420

tttgtaagat ccacccccctg cccacaaaaa attgctccta actccaccgc ctatcccaaa 480

cctacaagaa ctaatgataa tcccaccacc ctttgctgac tctttttgga ctcagccca 539

<210> 11879
<211> 427
<212> DNA
<213> Homo sapiens

<400> 11879
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gtggaaccgt aaccctgacc tgtgaagtcc ctgcccagcc ctctcctcaa atccactgga 120

tgaaggatgt gagtgacctg gagagagggg ctgggagaac caggcgagga ggggccaact 180

gcaggctctg tgggaggatc agggctggga actctagccc tggccctggg gatcctggga 240

ggcctgggga cagccgccct gctcattggg gtcatcttgt ggcaaaggcg gcaacgccga 300

ggagaggaga ggaaggcccc agaaaaccag gaggaagagg aggagcgtgc agaactgaat 360

cagtcggagg aacctgaggc aggcgagagt agtactggag ggccttgagg ggcccacaga 420

cagatcc 427

<210> 11880
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (217)..(217)
<223> n is a, c, g, or t

<400> 11880
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cccaaatggc caaagtgtcg gggagaagat tttcaagaca gcaggctttg taaaaccatt 120

tacggaggca cagctgctgt gcacacaggc tggtggacag ttggcctctc cacgctctgc 180

cgctgagaat gccgccttgc aacagctggt cgtagcnaag aacgaggctg ctttcctgag 240

catgactgat tccaagacag agggcaagtt cacctacccc acaggagagt ccctggtcta 300

ttccaactgg gccccagggg agcccaacga tgatggcggg tcagaggact gtgtggagat 360

cttcaccaat ggcaagtgga atgacagggc ttgtggagaa aagcgtcttg tggtctgcga 420

gttctgagcc aactggggtg ggtggggcag tgcttggccc aggagtttgg ccagaagtca 480

aggcttagac cctcatgct 499

<210> 11881
<211> 476
<212> DNA
<213> Homo sapiens

<400> 11881
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cccccatgca ctcaaagatt ggattttaca gctacttgca attcaaaatt cagaagaata 120

aaaaatggga acatacagaa ctctaaaaga tagacatcag aaattgttaa gttaagcttt 180

ttcaaaaaat cagcaattcc ccagcgtagt caagggtgga cactgcacgc tctggcatga 240

tgggatggcg accgggcaag ctttcttcct cgagatgctc tgctgcttga gagctattgc 300

tttgttaaga tataaaaagg ggtttctttt tgtctttctg taaggtggac ttccagattt 360

tgattgaaag tcctagggtg attctatttc tgctgtgatt tatctgctga aagctcagct 420

ggggttgtgc aagctaggga cccattcctg tgtaatacaa tgtctgcacc aatgct 476

<210> 11882
<211> 383
<212> DNA
<213> Homo sapiens

<400> 11882
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gtttaacctc acggcccatg attacgtcat ccagactact cgaaatggcg tccgcctctg 120

cttgtccggt ttccaggccc tggatgtccc tccgcctgca gggcccttct ggatcctcgg 180

tgacgtcttc ttggggacgt atgtggccgt cttcgaccgc ggggacatga agagcagcgc 240

ccgggtgggc ctggcgcgcg ctcgcactcg cggagcggac ctcggatggg gagagactgc 300

gcaggcgcag ttccccgggt gacgcccaag tgaagcgcat gcgcagcggg tggtcgcgga 360

ggtcctgcta cccagtaaaa atc 383

<210> 11883
<211> 586
<212> DNA
<213> Homo sapiens

<400> 11883
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agcaccttag gaggccgagg caggaggatc cttgaggtca ggagttcgag accagcctcg 120

ccaacatggt gaaaccccat ttctactaaa aatacaaaaa attagccaag tgtggtggca 180

tatgcctgta atcccaacta ctcagaaggc cgaggcagga gaattacttg aacgcaggag 240

aatcactgca gcccaggagg cagaggttgc agtgagccga gattgcacca ctgcactcca 300

gcctgggtga cagagcaaga ctccatctca gtaaataaat aaataaataa aaagcgctgc 360

agtagctgtg gcctcaccct gaagtcagcg ggcccaggcc tacctcactc tctcccttgg 420

cagagaagca gacgtccata gctcctctcc ctcacaagcg ctcccagcct gccctccagc 480

tgctgctctc ccctcccagt ctctactcac tgggatgagg ttaggtcatg aggacaccaa 540

aaacctaaaa ataaacaaaa agccaaacaa gccttagctt ttctta 586

<210> 11884
<211> 449
<212> DNA
<213> Homo sapiens

<400> 11884
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tgtatgacta ccagcagctg ctgatcgcct acaagccagc ccctggcacc tgctgctaca 120

tcatgaagat agctccagag agcatcccca gtcttgaggc tctcaataga aaagtccaca 180

acttccagat ggaatgctct ctgcaggcca agcccgcagt gcctacgtct aagctgggcc 240

aggcagaggg gcgagatgca ggctcagcac cctccggagg ggacccggcc ttcctgggca 300

tggccgtgaa caccctgtgt ggcgaggtgc cgctctacta catctaggac gcctccgggt 360

cagtggaagc cccaacggga aaggaaacgc cccgggcaaa gggtcttttg cagcttttgc 420

agacgggcaa gaagctgctt ctgcccaca 449

<210> 11885
<211> 469
<212> DNA
<213> Homo sapiens

<400> 11885
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tagtcagttg ctcattttta tgggattgct tagctgggct gtaaagatga aggcatcaaa 120

taaactcaaa gtatttttaa atttttttga taatagagaa acttcgctaa ccaactgttc 180

tttcttgagt gtatagcccc atcttgtggt aacttgctgc ttctgcactt catatccata 240

tttcctattg ttcactttat tctgtagagc agcctgccaa gaattttatt tctgctgttt 300

tttttgctgc taaagaaagg aactaagtca ggatgttaac agaaaagtcc acataaccct 360

agaattctta gtcaaggaat aattcaagtc agcctagaga ccatgttgac tttcctcatg 420

tgtttcctta tgactcagta agttggcaag gtcctgactt tagtcttaa 469

<210> 11886
<211> 295
<212> DNA
<213> Homo sapiens

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<222> (125)..(125)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (187)..(188)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (201)..(201)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (215)..(215)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (219)..(220)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (231)..(232)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (234)..(234)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (240)..(240)
<223> n is a, c, g, or t

<220>
<221> misc_feature

<222> (246)..(246)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (248)..(248)
<223> n is a, c, g, or t

<400> 11886
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gggacccggc cttcctgggc atggccgtga acaccctgtg tggcgaggtg ccgctctact 120

acatntagga cgcctccggt gagcaggtgt gatcccaggg cccctgatca gcagcggagg 180

agcgctnngg ccacctgccc nggctgtgga ggagngctnn cgctgaccag nngntggggn 240

gtccantnaa gcggggtcat ccaggcaact cgggggaggg gaagctcaca gaccg 295

<210> 11887
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (60)..(60)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (79)..(79)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (81)..(105)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (127)..(127)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (193)..(193)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (254)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (256)..(261)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (263)..(263)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (266)..(269)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (271)..(271)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (377)..(377)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (427)..(428)
<223> n is a, c, g, or t

<400> 11887
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tagaaaagtc cacaacttnc nnnnnnnnnn nnnnnnnnnn nnnnncaagc ccgcagtgcc 120

tacgtcntaa gctgggccag gcagaggggc gagatgcagg ctcagcaccc tccggagggg 180

acccggcctt ccntgggcat ggccgtganc accctgtgtg gcgaggtgcc gctctactac 240

atctaggacg cctncnnnnn ncnggnnnnc ngggtcagtg gaagccccaa cgggaaagga 300

aacgccccgg gcaaagggtc ttttgcagct tttgcagacg ggcaagaagc tgcttctgcc 360

cacaccgcag ggacaanccc tggagaaatg ggagcttggg gagaggatgg gagtgggcag 420

aggtggnncc caggggcccg ggaactcctg ccacaacaga ataaagcagc 470

<210> 11888
<211> 383
<212> DNA
<213> Homo sapiens

<400> 11888
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ctcaaagatt ggattttaca gctacttgca attcaaaatt cagaagaata aaaaatggga 120

acatacagaa ctctaaaaga tagacatcag aaattgttaa gttaagcttt ttcaaaaaat 180

cagcaattcc ccagcgtagt caagggtgga cactgcacgc tctggcatga tgggatggcg 240

accgggcaag ctttcttcct cgagatgctc tgctgcttga gagctattgc tttgttaaga 300

tataaaaagg ggtttctttt tgtctttctg taaggtggac ttccagcttt tgattgaaag 360

tcctagggtg attctatttc tgc 383

<210> 11889
<211> 209
<212> DNA
<213> Homo sapiens

<400> 11889
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tgaacatggc tactggagca agtcagatta ggcaagctca tggccacatg aagaagatac 120

attgtcccga gatgctgact gtttaaattt ttgccagagt ttctcttgag cttttgtttc 180

tgtttgctca gaccctgttt tcatgttgt 209

<210> 11890
<211> 493
<212> DNA
<213> Homo sapiens

<400> 11890
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aagtatgagc tccgcgtgtc tgcagtgtaa agttttgata tgtgatagca gtgaccacca 120

gtctcgctgc aatcaaggtt gtgtctccag aagcaaacga gacatttctt catataaatg 180

gaaaacagat tccatcatag gacccattcg tctgaaaagg gatcgaagtg caagtggcaa 240

ttcaggattt cagcatgaaa cacatgcgga agaaactcca aaccagcctt tcaacagtgt 300

gcatctgttt tccttcatgg ttctagctct gaatgtggtg actgtagcga caatcacagt 360

gaggcatttt gtaaatcaac gggcagacta caaataccag aagctgcaga actattaact 420

aacaggtcca accctaagtg agacatgttt ctccaggatg ccaaaggaaa tgctacctcg 480

tggctacaca tat 493

<210> 11891
<211> 550
<212> DNA
<213> Homo sapiens

<400> 11891
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cgccctcatc aagctctcac gcagcgccca gctgggagat gccgtccagc tcgcctcact 120

ccctcccgct ggtgacatcc ttcccaacaa gacaccctgc tacatcaccg gctggggccg 180

tctctatacc aatgggccac tcccagacga gctgcagcag gcccggctgc ccgtggtgga 240

ctataagcac tgctccaggt ggaactggtg gggttccacc gtgaagaaaa ccatggtgtg 300

tgctggaggg tacatccgct ccggctgcaa cggtgactct ggaggacccc tcaactgccc 360

cacagaggat ggtggctggc aggtccacgg tgtgaccagc tttgtttctg gctttggctg 420

caacttcatc tggaagccca cggtgttcac tcgagtctcc gccttcatcg actggattga 480

ggagaccata gcaagccact agaaccaagg cccagctggc agtgctgatc gatcccacat 540

cctgaataaa 550

<210> 11892
<211> 503
<212> DNA
<213> Homo sapiens

<400> 11892
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catgggcgac tcggctgtgc ccacacactg ggaaccctac actacggaaa acagcggcta 120

cctggagatc accaagaaga tgggcagcag ctccatgaag cggagcctga gaaccaactt 180

cctgcgctac tggaccctca cctatctggc gctgcccaca gtgaccgacc aggaggccag 240

ttccatgccc tccacagggg actctgaggc cactcccatc tcccccgaca ggcaactccg 300

agtctgcccc cgtccctgca acgggtgact ctcaggatgc ccctgtgccc ctcacaagtg 360

actctgaggc tcccccgtac cctacgggtg actctgaggc ccgtgcccac cttgggtgac 420

actgaggctg cccctgtgtc ccccacagat gactccgagg aagctcagat gctgcagtca 480

ttagtttcta gtgtcccatc agc 503

<210> 11893

<211> 434
<212> DNA
<213> Homo sapiens

<400> 11893
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gcccaccgcc cctccagctg ctggcactga gtgcctcatc tccggctggg gcaacactct 180

gagctttggt gctgactacc cagacgagct gaagtgcctg gatgctccgg tgctgaggga 240

ggctgagtgt aaagcctcct gccctggaaa gattaccaac agcatgttct gtgtgggctt 300

ccttgaggga ggcaaggatt cctggaagcg tgactctggt ggccctgtgg tctgcaacgg 360

acagctccaa ggagttgtct cctggggcca tggctgtgcc tggaagaaca ggcctggagt 420

ctacaccaag gtct 434

<210> 11894
<211> 257
<212> DNA
<213> Homo sapiens

<400> 11894
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gaccttgaaa gcaagcttgc taggtgccct ctgtggctcc agcctttacc ggaagtgtgg 120

tgcatgtttt taacttcagg gaagcggtat cctgtcactg gggtatggga tgagcatgga 180

gaagaggcac cagccacgat tccttcctaa gcatctcctg ttctgactgc tcatgaattg 240

aagaaactga cccttgt 257

<210> 11895
<211> 557
<212> DNA
<213> Homo sapiens

<400> 11895
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tggggtcatt tcttggacag acatcccaag ggccactatg atagtagctt ctctaaaaga 120

cgggttcctg agaagaattg cattctgttt cccagtgagt tagcggagtc atacttacta 180

catcccaagg caggtggcat ggtagaaaca ggcctgaaag agaggtcagg ttctaacctt 240

ctcccctctc tgaggctcag ctgctccctt ctgtagaata aaaggggttg gtctgtaaca 300

agattttcaa aaatttatag tagtgaaact ttacaattcg acttggacaa ccagagatta 360

aaagcaaata gattcttgtt gatgtcaggt ggggagctta gctctcccat tctgtgattc 420

cttcctctga aggccctcaa agcaactcca taataactca cagagctgcc agagccgatg 480

ttttggagca ccctgagaca tatgaactct aatataactt ccaggagaaa gtacatagga 540

ttccacttag agccaat 557

<210> 11896
<211> 434
<212> DNA
<213> Homo sapiens

<400> 11896
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gcccaccgcc cctccagctg ctggcactga gtgcctcatc tccggctggg gcaacactct 180

gagctttggt gctgactacc cagacgagct gaagtgcctg gatgctccgg tgctgaccca 240

ggctgagtgt aaagcctcct accctggaaa gattaccaac agcatgttct gtgtgggctt 300

ccttgaggga ggcaaggatt cctgccagcg tgactctggt ggccctgtgg tctgcaacgg 360

acagctccaa ggagttgtct cctggggcca tggctgtgcc tggaagaaca ggcctggagt 420

ctacaccaag gtct 434

<210> 11897
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (89)..(89)
<223> n is a, c, g, or t

<220>
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<222> (91)..(91)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (131)..(131)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (134)..(134)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (188)..(188)
<223> n is a, c, g, or t

<400> 11897
tctctcagtg ctgcaccatc agtggcctga agaaggtcaa agtacagctg cagtgtgtgg 60

ggagccggag ggaggagctc gagatcttna nggccagggc ctgccagtgt gacatgtgtc 120

gcctctctcg ntantagccc atcctctccc ctccttcctc ccctgggtca cagggcttga 180

cattctgntg ggggaaacct gtgttcaaga ttcaaaaact ggaaggagct ccagccctga 240

tggttacttg ctatggaatt tttttaaata aggggagggt tgttccagct ttgatccttt 300

gtaag 305

<210> 11898
<211> 89
<212> DNA
<213> Homo sapiens

<400> 11898
tgactccaag gaagctcaga tgcctgcagt cattaggttt tagcgtccca tgagccttgg 60

tatcaagagg ccacaagagt gggacccca 89

<210> 11899
<211> 535
<212> DNA
<213> Homo sapiens

<400> 11899
gatccccatc aactctgagg agctgtttgt gcatccactc tggaaccgct cgtgtgtggc 60

ctgtggcaat gacatcgccc tcatcaagct ctcacgcagc gcccagctgg gagatgccgt 120

ccagctcgcc tcactccctc ccgctggtga catccttccc aacaagacac cctgctacat 180

caccggctgg ggccgtctct ataccaatgg gccactccca gacaagctgc agcaggcccg 240

gctgcccgtg gtggactata agcactgctc caggtggaac tggtggggtt ccaccgtgaa 300

gaaaaccatg gtgtgtgctg gagggtacat ccgctccggc tgcaacggtg actctggagg 360

acccctcaac tgccccacag aggatggtgg ctggcaggtc cacggtgtga ccagctttgt 420

ttctggcttt ggctgcaact tcatctggaa gcctacagtg ttcactcgag tctccgcctt 480

catcgactgg attgaggaga ccatagcaag ccactagagc caaggcccag ctggc 535

<210> 11900

<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (238)..(238)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (251)..(251)
<223> n is a, c, g, or t

<400> 11900
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actctaccac catgaacaat gacgtgacgc tgctgaagct cgcctcgcca gcccagtaca 120

caacacgcat ctcgccagtt tgcctggcat cctcaaacga ggctctgact gaaggcctca 180

cgtgtgtcac caccggctgg ggtcgcctca gtggcgtggg caatgtgaca ccagcacntc 240

tgcagcaggt ngctttgccc ctggtcactg tgaatcagtg ccggcagtac tggggctcaa 300

gtatcactga ctccatgatc tgtgcaggtg gcgcaggtgc ctcctcgtgc cagggtgact 360

ccggaggccc tcttgtctgc cagaagggaa acacatgggt gcttattggt attgtctcct 420

ggggcaccaa aaactgcaat gtgcgcgcac ctgctgtgta tactcgagtt agcaagttca 480

gcacctggat caaccaggtc atagcctaca actgagctca ccacaggccc tccccagctc 540

aacccattaa agacccaggc cct 563

<210> 11901
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (179)..(179)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (209)..(209)
<223> n is a, c, g, or t

<400> 11901
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atgacatcac cctgctgaag ctggccacac ctgcccgctt ctcccagaca gtgtccgccg 120

tgtgcctgcc cagcgccgac gacgacttcc ccgcggggac actgtgtgcc accacaggnt 180

ggggcaagac caagtacaac gggtgactnt ggaggccccc tggtctgcca gaaggacgga 240

gcctggaccc tggtgggcat tgtgtcctgg ggcagccgca cctgctctac caccacgccc 300

gctgtgtacg cccgtgtcac caagctcata ccctgggtgc agaagatcct ggccgccaac 360

tgagcccgca gctcctgcca cccctgcctt aagatttccc attaaat 407

<210> 11902
<211> 374
<212> DNA
<213> Homo sapiens

<400> 11902
ccacacaggg ctctgagcct gatggagatg gatgggagtg gagtagcact gatgtgatga 60

attactttgc atgggagaaa aatccctcca ccatcttaaa ccctggccac tgtgggagcc 120

tgtcaagaag cacaggattt ctgaagtgga aagattataa ctgtgatgca aagttaccct 180

atgtctgcaa gttcaaggac tagggcaggt gggaagtcag cagcctcagc ttggcgtgca 240

gctcatcatg gacatgagac cagtgtgaag actcaccctg gaagagaata ttctccccaa 300

actgccctac ctgactacct tgtcatgatc ctccttcttt ttccttttc ttcaccttca 360

tttcaggctt ttct 374

<210> 11903
<211> 526
<212> DNA
<213> Homo sapiens

<400> 11903
gtgcctccta cgatgagttt caggagagta agtgtttccc ttgtccagct gaaggatgcc 60

ccaaaatggg gcactatgct gaccaattta aggggaaaac aagtgctgtg gaacaaacct 120

ttttcctgaa cacaggagag agtggtaact ttactagttg gagatataag gtatcagtca 180

cactttctgg aaaagagaaa gtgaatgggt acatcaggat tgctttgtat ggaagtaatg 240

aaaactcgaa acaatatgag attttcaaag gatccctcaa accagatgca agtcacacgt 300

gtgctattga tgtggatttt aatgttggaa aaatacagaa agttaaattc ctctggaaca 360

aacgtgggat aaatctatct gagcccaaac tgggggcttc ccaaatcaca gtgcaaagtg 420

gtgaagatgg gactgagtat aatttttgta gcagcgacac tgtggaagaa aacgtcttgc 480

aatctcttta cccttgttaa aaacgtggtg cggctattgc ggtaat 526

<210> 11904
<211> 500
<212> DNA
<213> Homo sapiens

<400> 11904
gaatcttccc tgaactacca agttttagaa ttgtcttaca aaggtgatga atttagctta 60

attatcatac ttcctgcaga aggtatggat atagaagaag tggaaaaact aattactgct 120

caacaaatcc taaaatggct ctctgagatg caagaagagg aagtagaaat aagcctccct 180

agatttaaag tagaacaaaa agtagacttc aaagacgttt tgtattcttt gaacataacc 240

gagatattta gtggtggctg cgacctttct ggaataacag attcatctga agtgtatgtt 300

tcccaagtga cgcaaaaagt tttctttgag ataaatgaag atggtagtga agctgcaaca 360

tcaactggca tacacatccc tgtgatcatg agtctggctc aaagccaatt tatagcaaat 420

catccatttc tgtttattat gaagcataat ccaacagaat caattctgtt tatgggaaga 480

gtgacaaatc ctgacaccca 500

<210> 11905
<211> 514
<212> DNA
<213> Homo sapiens

<400> 11905
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agcctctcga aacccctgtg atgaaactta ctgtggacct gccgcagagt ctgaaaagga 120

gaccaaggcc ctggctgatt tcatccgcaa caaactctct tccatcaagg catatctgac 180

aatccactcg tactcccaaa tgatgatcta cccttactca tatgcttaca aactcggtga 240

gaacaatgct gagttgaatg ccctggctaa agctactgtg aaagaacttg cctcactgca 300

cggcaccaag tacacatatg gcccgggagc tacaacaatc tatcctgctg ctgggggctc 360

tgacgactgg gcttatgacc aaggaatcag atattccttc acctttgaac ttcgagatac 420

aggcagatat ggctttctcc ttccagaatc ccagatccgg gctacctgcg aggagacctt 480

cctggcaatc aagtatgttg ccagctacgt cctg 514

<210> 11906
<211> 555
<212> DNA
<213> Homo sapiens

<400> 11906

tccccatcta gaactgccat tatcagtgga gtagtgggtc cctggtctcc tacaaatcct 60

gggacattgg atccccaagc tgtgccaata ctgcctactg tgctagcctg acttcaagct 120

caggtgagag gcacagaatc cacacactta ttgccatcct ctcctattta tctctgagga 180

tcgaccgggg actgggatag aggaagggtg agctcctcat tcaggaaata gaggagtgtt 240

tcctctttat ttttgctgag tcctgcagcc aggagggtaa tacactctga tcccctcagt 300

ctgaatcttc tcattgtctt ataggattca agaaatggaa ggatgattct tgtaaggaga 360

agttctcctt tgtttgcaag ttcaaatact ggaggcaatt gtaaaatgga cgtctagaat 420

tggtctacca gttactatgg agtaaaagaa ttaaactgga ccatctctct ccatatcaat 480

ctggaccatc tctcctctgc taaatttgca tgactgatct ttagtatctt tacctacctc 540

aatttctgga gccct 555

<210> 11907
<211> 568
<212> DNA
<213> Homo sapiens

<400> 11907
ctggctttgg gttgtccgga gccagcagta acccctgctc ggagacttac cacggcaagt 60

ttgccaattc cgaagtggag gtcaagtcca ttgtagactt tgtgaaggac catgggaaca 120

tcaaggcctt catctccatc cacagctact cccagctcct catgtatccc tatggctaca 180

aaacagaacc agtccctgac caggatgagc tggatcagct ttccaaggct gctgtgacag 240

ccctggcctc tctctacggg accaagttca actatggcag catcatcaag gcaatttatc 300

aagccagtgg aagcactatt gactggacct acagccaggg catcaagtac tccttcacct 360

tcgagctccg ggacactggg cgctatggct tcctgctgcc agcctcccag atcatcccca 420

cagccaagga gacgtggctg gcgcttctga ccatcatgga gcacaccctg aatcacccct 480

actgagctga ccctttgaca cccttcttgt cctcctctct ggccccatcc aggcaaccaa 540

ataaagtttg agtgtaccag gaacagaa 568

<210> 11908
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (150)..(158)

<223> n is a, c, g, or t

<400> 11908
tggagattct ctggctgatg gtcaagtcct ggaataccgg agtacttatg tttagcagga 60

gcaagtatgc atctgctgaa aagtggtgtg gcctggcctt gcgtttcctt aaccacctta 120

cctccttcaa ggaaagctat gaaactcagn nnnnnnnnat gaatatgctg tatagtcagc 180

ttgtggaagc attgagtaac aacaagggcc cagtttttca tgaacatggc tactggagca 240

agtcagatta ggcaagctca tggccacatg aagaagatac attgtcccga gatgctgact 300

gtttaaattt ttgccagagt ttctcttgag cttttgtttc tgtttgctca gaccctgttt 360

tcatgttgtt g 371

<210> 11909
<211> 487
<212> DNA
<213> Homo sapiens

<400> 11909
cacacagagc ttcatttcct gtcttaaaat ctcgttttct cttcttcctt cttttaaatt 60

tcatatcctc actccctatc caatttcctt cttatcgtgc attcatactc tgtaagccca 120

tctgtaacac acctagatca aggctttaag agactcactg tgatgcctct atgaaagaga 180

ggcattccta gagaaagatt gttccaattt gtcatttaat atcaagtttg tatactgcac 240

atgacttaca cacaacatag ttcctgctct tttaaggtta cctaagggtt gaaactctac 300

cttctttcat aagcacatgt ccgtctctga ctcaggatca aaaaccaaag gatggtttta 360

aacacctttg tgaaattgtc tttttgccag aagttaaagg ctgtctccaa gtccctgaac 420

tcagcagaaa tagaccatgt gaaaactcca tgcttggtta gcatctccaa ctccctatgt 480

aaatcaa 487

<210> 11910
<211> 448
<212> DNA
<213> Homo sapiens

<400> 11910
ccacccccaa tacgacagga agactctgaa caatgacatc atgttaatca agctctcctc 60

acgtgcagta atcaacgccc gcgtgtccac catctctctg cccaccgccc ctccagccac 120

tggcacgaag tgcctcatct ctggctgggg caacactgcg agctctggcg ccgactaccc 180

agacgagctg cagtgcctgg atgctcctgt gctgagccag gctaagtgtg aagcctccta 240

ccctggaaag attaccagca acatgttctg tgtgggcttc cttgagggag gcaaggattc 300

atgtcagggt gattctggtg gccctgtggt ctgcaatgga cagctccaag gagttgtctc 360

ctggggtgat ggctgtgccc agaagaacaa gcctggagtc tacaccaagg tctacaacta 420

cgtgaaatgg attaagaaca ccatagct 448

<210> 11911
<211> 95
<212> DNA
<213> Homo sapiens

<400> 11911
gactccaagg aagctcagat gcctgcagtc attaggtttt agcgtcccat gagccttggt 60

atcaagaggc cacaagagtg ggaccccagg ggctc 95

<210> 11912
<211> 558
<212> DNA
<213> Homo sapiens

<400> 11912
gatagcatcg tcaaccctga tggctttgct ggattcccct gtgcctctta caacgtcttc 60

actgcaaaca agtgtttccc ttgtccaagt ggaggctgcc cacagatggg tcactatgct 120

gatagatatc ctgggaaaac aaatgatgtg ggccagaaat tttatctaga cactggtgat 180

gccagtaatt ttgcacgttg gaggtataag gtatctgtca cactgtctgg aaaaaaggtt 240

acaggacaca tactagtttc tttgttcgga aataaaggaa actctaagca gtatgaaatt 300

ttcaagggca ctctcaaacc agatagtact cattccaatg aatttgactc agatgtggat 360

gttggggact tgcagatggt taaatttatt tggtataaca atgtgatcaa cccaacttta 420

cctagagtgg gagcatccaa gattatagtg gagacaaatg ttggaaaaca gttcaacttc 480

tgtagtccag aaaccgtcag ggaggaagtt ctgctcaccc tcacaccgtg ttaggagact 540

actgttattt gaccaatg 558

<210> 11913
<211> 126
<212> DNA
<213> Homo sapiens

<400> 11913
gaccaagtac aacgccaaca agacccctga caagctgcag caggcagccc tgcccctcct 60

gtccaatgcc gaatgcaaga agtcctgggg caggaggatc accgacgtga tgatctgtgc 120

cggggc 126

<210> 11914
<211> 414
<212> DNA
<213> Homo sapiens

<400> 11914
ctgtcccact caccatggag aagatcctga tcctcctgct tgtcgccctc tctgtggcct 60

atgcagctcc tggccccccgg gggatcatta tcaacctgga gaacggtgag ctctgcatga 120

atagtgccca gtgtaagagc aattgctgcc agcattcaag tgcgctgggc ctggcccgct 180

gcacatccat ggccagcgag aacagcgagt gctctgtcaa gacgctctat gggatttact 240

acaagtgtcc ctgtgagcgt ggcctgacct gtgagggaga caagaccatc gtgggctcca 300

tcaccaacac caactttggc atctgccatg acgctggacg ctccaagcag tgagactgcc 360

cacccactcc cacacctagc ccagaatgct gtaggccact aggcgcaggg gcat 414

<210> 11915
<211> 545
<212> DNA
<213> Homo sapiens

<400> 11915
cccatcaact ctggggacct ctttgtgcat ccactctgga accgctcgtg tgtggcctgt 60

ggcaatgaca tcgccctcat caagctctca cgcagcgccc agctgggaga cgccgtccag 120

ctcgcctcac tccctccggc tggtgacatc cttcccaacg agacaccctg ctacatcacc 180

ggctggggcc gtctctatac caacgggcca ctcccagaca agctgcagga ggccctgctg 240

ccggtggtgg actatgaaca ctgctccagg tggaactggt ggggttcctc cgtgaagaag 300

accatggtgt gtgctggagg ggacatccgc tccggctgca atggtgactc tggaggaccc 360

ctcaactgcc ccacagagga tggtggctgg caggtccatg gcgtgaccag ctttgtttct 420

gcctttggct gcaacacccg caggaagccc acggtgttca ctcgagtctc cgccttcatt 480

gactggattg aggagaccat agcaagccac tagaaccaag gcccagctgg cagtgctgat 540

cgatc 545

<210> 11916
<211> 521
<212> DNA
<213> Homo sapiens

<400> 11916

gaagacccgg tccaaggtat ctggaagcct ctgtgttggt gtggatccta accggaactg 60

ggatgcaggt tttggaggac ctggagccag cagcaaccct tgctctgatt cataccacgg 120

acccagtgcc aactctgaag ttgaagtgaa atccatagtg gacttcatca agagtcatgg 180

aaaagtcaag gccttcatta tcctccacag ctattcccag ctgctgatgt tcccctatgg 240

gtacaaatgt accaagttag atgactttga tgagctgagt gaagtggccc aaaaggctgc 300

ccaatctctg agaagcctgc atggcaccaa gtacaaagtg ggaccaatct gctctgtcat 360

ctaccaagcc agtggaggaa gcattgactg gtcctatgat tatggcatca agtactcatt 420

tgcctttgaa ctgagagaca cagggcgcta cggcttcctc ttgccagccc gtcagatcct 480

gcccacagcc gaggagacct ggcttggctt gaaggcaatc a 521

<210> 11917
<211> 568
<212> DNA
<213> Homo sapiens

<400> 11917
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tccctgcccc aaggaggcga acagggctct gcttaacgac agctcttgct ggaccatcat 120

cggcaccgag tcggtggaat tttccttcag caccagcctg gcgtgtaccc tggagccggt 180

cactccggtg cctctcatca gcaccctaga gctgagcggc gggggcgacg tggccacgct 240

ggagctccac ggagagaact tccacgcggg gctcaaggtg tggtttgggg acgtggaggc 300

agaaaccatg tacaggtacg gggtggagcc cgcggtcctg gtgtgcgtgg tgccggacgt 360

ggcggccttc tgcagcgact ggcgctggct gcgcgctccc atcacaatcc ccatgagcct 420

ggtgcgcgcc gacgggctct tctaccctag tgccttctcc ttcacctaca ccccggaata 480

cagcgtgcgg ccgggtcacc ccggcgtccc cgagcccgcc accgacgccg acgcgctcct 540

ggagagcatc catcaggagt tcacgcgc 568

<210> 11918
<211> 516
<212> DNA
<213> Homo sapiens

<400> 11918
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tcaagcttgc agagcatgtg gagctgagtg acaccatcca ggtggcctgc ctgccagaga 120

aggactccct gctccccaag gactacccct gctatgtcac cggctggggc cgcctctgga 180

ccaacggccc cattgctgat aagctgcagc agggcctgca gcccgtggtg gatcacgcca 240

cgtgctccag gattgactgg tggggcttca gggtgaagaa aaccatggtg tgcgctgggg 300

gcgatggcgt catctcagcc tgcaatgggg actccggtgg cccactgaac tgccagttgg 360

agaacggttc ctgggaggtg tttggcatcg tcagctttgg ctcccggcgg ggctgcaaca 420

cccgcaagaa gccggtagtc tacacccggg tgtccgccta catcgactgg atcaacgaga 480

aaatgcagct gtgatttgtt gctgggagcg gcggca 516

<210> 11919
<211> 491
<212> DNA
<213> Homo sapiens

<400> 11919
gactgcaaga tgaaactcct tgtgctagct gtgctgctca cagtggccgc cgccgacagc 60

ggcatcagcc ctcgggccgt gtggcagttc cgcaaaatga tcaagtgcgt gatcccgggg 120

agtgacccct tcttggaata caacaactac ggctgctact gtggcttggg gggctcaggc 180

acccccgtgg atgaactgga caagtgctgc cagacacatg acaactgcta tgaccaggcc 240

aagaagctgg acagctgtaa atttctgctg gacaacccgt acacccacac ctattcatac 300

tcgtgctctg gctcggcaat cacctgtagc agcaaaaaca aagagtgtga ggccttcatt 360

tgcaactgcg accgcaacgc tgccatctgc ttttcaaaag ctccatataa caaggcacac 420

aagaacctgg acaccaagaa gtattgtcag agttgaatat cacctctcaa aagcatcacc 480

tctatctgcc t 491

<210> 11920
<211> 506
<212> DNA
<213> Homo sapiens

<400> 11920
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gatgcagttg aactgtctgt tgagtccgtg ctgtatgtgg gtgccatctt ggaacaaggg 120

gacacctccc ggtttaacct ggtgttgagg aactgctacg ccacccccac tgaagacaag 180

gctgaccttg tgaagtattt catcatcaga aacagctgct caaatcagcg tgattccacc 240

atccacgtgg aggagaatgg gcagtcctcg gaaagccggt tctcagttca gatgttcatg 300

tttgctggac attatgacct agttttcctg cattgtgaga ttcatctctg tgattctctt 360

aatgaacagt gccagccttc ttgctcaaga agtcaagtcc gcagtgaagt accggccatc 420

gacctagccc gggttctaga tttggggccc atcactcgga gaggtgcaca gtctcccggt 480

gtcatgaatg gaacccctag cactgc 506

<210> 11921
<211> 448
<212> DNA
<213> Homo sapiens

<400> 11921
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cgagctgtcg ctggagtcgg gcgcagacct gccctacctg ccctccaact gggccaacac 120

cgcctcctca cttgtggtgg ccccgcgctg cgagctcacc gtgtggtccc ggcaaggcaa 180

ggcgggcaag acgcacaagt tctctgccgg cacctacccg cgcctggagg agtaccgccg 240

gggcatctta ggagactggt ccaacgctat ctccgcgctc tactgcaggt gcagctgatg 300

cattgctggt ctctcatctg cagcttccac agagtgccaa gcccctcact cagcccatcc 360

ctgggctctg ctccggggcc ccaagaccca ggaggaggag cgttctgcct gccccctccc 420

acctcccctg caatacagcc tttgtgca 448

<210> 11922
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (166)..(166)
<223> n is a, c, g, or t

<400> 11922
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tgctaggctg tacaaaatgg cagttggatt tatgcttgct catccttatg gatttacacg 120

agtaatgtca agctaccgtt ggccaagata ttttgaaaat ggaaangatg ttaatgattg 180

ggttgggcca ccaaatgata atggagtaac taaagaagtt actattaatc cagacactac 240

ttgtggcaat gactgggtct gtgaacatcg atggcgccaa ataaggaaca tggttaattt 300

ccgcaatgta gtggatggcc agccttttac aaactggtat gataatggga gcaaccaagt 360

ggcttttggg agaggaaaca gaggattcat tgttttcaac aatgatgact ggacattttc 420

tttaactttg caaactggtc ttcctgctgg cacatactgt gatgtcattt ctggagataa 480

aattaatggc aactgcacag gcattaaaat ctacgtttct gatgatggca aagctcattt 540

ttctattagt aactctgctg aagatccatt tattgcaatt catgctgaat ctaa 594

<210> 11923
<211> 561
<212> DNA
<213> Homo sapiens

<400> 11923
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gcctgcctcc ctcctgccgg caccattcta cccaacaact acccctgcta cgtcacgggc 180

tggggaaggc tgcagaccaa cggggctgtt cctgatgtcc tgcagcaggg ccggttgctg 240

gttgtggact atgccacctg ctccagctct gcctggtggg gcagcagcgt gaaaaccagt 300

atgatctgtg ctgggggtga tggcgtgatc tccagctgca acggagactc tggcgggcca 360

ctgaactgtc aggcgtctga cggccggtgg caggtgcacg gcatcgtcag cttcgggtct 420

cgcctcggct gcaactacta ccacaagccc tccgtcttca cgcgggtctc caattacatc 480

gactggatca attcggtgat tgcaaataac taaccaaaag aagtccctgg gactgtttca 540

gacttggaaa ggtcacagaa g 561

<210> 11924
<211> 217
<212> DNA
<213> Homo sapiens

<400> 11924
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cagctgcaac ggagactctg gcgggccact gaactgtcag gcgtctgacg gccggtggca 120

ggtgcacggc atcgtcagct tcgggtctcg cctcggctgc aactactacc acaagccctc 180

cgtcttcacg cgggtctcca attacatcga ctggatc 217

<210> 11925
<211> 379
<212> DNA
<213> Homo sapiens

<400> 11925
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ccctgctggc gctgctggcc ctctggggac ctgacccagc cgcagccttt gtgaaccaac 120

acctgtgcgg ctcacacctg gtggaagctc tctacctagt gtgcggggaa cgaggcttct 180

tctacacacc caagacccgc cgggaggcag aggacctgca ggtggggcag gtggagctgg 240

gcgggggccc tggtgcaggc agcctgcagc ccttggccct ggaggggtcc ctgcagaagc 300

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gcaactagac gcagcccgc 379

<210> 11926
<211> 504
<212> DNA
<213> Homo sapiens

<400> 11926
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agggttcctg gtggcctggc ctatggtcct cctgactgtc ctcctggctt ggctgttctg 120

agagctccgc tgagcatctg gccttgaagt ttgtgttctt ccctctggca atggctccct 180

tcagcacttc tgctttccac tccaattcac acaggcttgg tattaacaga atcaaggcca 240

ggctaggtta ggaaaaggga agagctttca ccttctttgg ggctctcggc tgggcgcagt 300

ggctcatgcc tgtaatccca gcattttggg aggctgaggc aggtggatca cctgaggtca 360

gcagttcaaa atcagcctgg ccaaaatgct gaaactccgt ctctactaaa aatacaaaaa 420

ttagccaggc atggtggcag gcgcctgtaa tcccagctac tcgggaggcc aaggcaggag 480

aattgctcga actcaggggg tgga 504

<210> 11927
<211> 519
<212> DNA
<213> Homo sapiens

<400> 11927
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gtctgacaag tgcttcccgt gtccagatca aggatgccca cagatgggtc actatgctga 120

taaatttgct ggcaggacaa gtgaagagca gcagaaattc ttcttgaaca caggagaggc 180

tagcaatttc gctcgctgga gatatggggt ttccatcaca ctgtctggaa gaacagccac 240

tggtcagatc aaagttgctt tgtttggaaa taagggaaac actcaccagt acagcatctt 300

caggggggatt ctcaaaccag gctcaaccca ttcctatgag tttgatgcaa agctggatgt 360

tggaacaatt gagaaagtca agtttctttg gaataacaat gtgataaatc caaccctccc 420

caaagtgggt gccaccaaga tcactgtgca aaagggagaa gagaagacag tgtacaactt 480

ctgtagcgaa gacacagtgc gggaagacac gctgctcac 519

<210> 11928
<211> 543
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

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<222> (31)..(31)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (381)..(381)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (450)..(451)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (498)..(498)
<223> n is a, c, g, or t

<400> 11928
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ntcgaagtnc tngaggggaa tgancagttc atcnatgcng ncaagatcat ccgccacccc 120

aaatacaaca gntggactct ggacaatgac atcctgctga tcaagctctc cannnctgcn 180

ntcatcaatg cccanntgtc caccatctct ctncccaccn cccctccagc tgctggcacn 240

nagtncctca tctctggctn gggcaacact ctgagntctg gngccnacta nccagangag 300

ctgcagtgcc tggannctcn tgtgctganc caggctgant ntgaagcctc ctaccctgga 360

nagattacca acaacntgtt ntgtgtgggt ttccttgagg gaggcaagga ttcctgccag 420

ggtgactctg gtggcccngt ggtctgcaan ngacagctcc aaggnnttgt ctcctggggc 480

tatggctgng cccagaanaa caggcctgga gtctacacca aggtctacaa ctatgtggac 540

tgg 543

<210> 11929
<211> 324
<212> DNA
<213> Homo sapiens

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<222> (252)..(254)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (256)..(257)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (288)..(288)
<223> n is a, c, g, or t

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cttcccgtct catccatctg gatgcttgac acctctgaca gcatcccttt cctgtcatct 120

tagggcagct tcaggaaacc gaaaaacagg cttgtgtcct tccattaacc cctttatcca 180

caagttcagt atcagcatga gccctgggga gctccaaggc tgcagccagg agccccgtag 240

ccagggatgg tnnngnnctg tgctgctgca ccagggccgc cttccccncc ttttccagag 300

gaacctgttc tacggccaga agaa 324

<210> 11930
<211> 454
<212> DNA
<213> Homo sapiens

<400> 11930
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aaatgcttct cttcacaaaa attaaaatgc ctttccatgt ttccgcacta catttgcaca 120

ctgaagcaac cacatttgct gttagaaaag tactcctact acctaatttc tggttaaacc 180

aaggcctgat gttttctgct tccatttgta gtgagggtac tttgtatcct ataagcgagg 240

gactataggg gtttctttgt tcaaattttt cccacatccc tgagaggctg acatgtgttg 300

ctgtgaccac ttaattgatc ccagcacttt gggaggccaa ggtggatgga tcacctgagg 360

tcaggagttc gagaccagcc tggcgaacat ggtgaaaccc tatctctact aatgatacaa 420

aaatcagcct gttgtggtgg caggctcttg tagt 454

<210> 11931
<211> 345
<212> DNA
<213> Homo sapiens

<400> 11931
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tgcagtatat ttctgaaatg acagaatgct gttttaaaaa caaagaaata aaatcctgct 120

cctgactcgg tcaaaatatt ttttaaagtc tattgtttgt tgtgcttgct ggtactaaga 180

ggctatttaa aagtataaaa ctgctttgta tccatgaggg tttcattgtg tgttagcagc 240

agtgagcttc tattaaatgt atatgtcatt tattttgttt aagtggcttt cagcaaacct 300

cagtcatatt cttatgcagg gtattgcgaa acaacttgtg ttcta 345

<210> 11932
<211> 178
<212> DNA
<213> Homo sapiens

<400> 11932
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gcacctgcaa cggagactcc ggtgggccgc tgaactgtca ggcatctgac ggccggtggg 120

aggtgcatgg catcggcagc ctcacgtcgg tccttggttg caactactac tacaagcc 178

<210> 11933
<211> 496
<212> DNA
<213> Homo sapiens

<400> 11933
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aggcggctct gtaccatttc agcactttcc agtgtggggg catcctggtg caccgccagt 120

gggtgctcac agctgctcat tgcatcagcg atgtgaaggt cgtggagttg cccacccagg 180

aacccgaagt ggggagcacc tgtttggctt ccggctgggg cagcatcgaa ccagagaatt 240

tctcatttcc agatgatctc cagtgtgtgg acctcaaaat cctgcctaat gatgagtgca 300

aaaaagccca cgtccagaag gtgacagact tcatgctgtg tgtcggacac ctggaaggtg 360

gcaaagacac ctgtgtgggt gattcagggg gcccgctgat gtgtgatggt gtgctccaag 420

gtgtcacatc atggggctac gtcccttgtg gcacccccaa taagccttct gtcgccgtca 480

gagtgctgtc ttatgt 496

<210> 11934
<211> 410
<212> DNA
<213> Homo sapiens

<400> 11934
ttatgttcta agtgcctcca agttcaaaac ttattggaat gttgagagtg tggttacgaa 60

atacgttagg aggacaaaag gaatgtgtaa gtctttaatg ccgatatctt cagaaaacct 120

aagcaaactt acaggtcctg ctgaaactgc ccactctgca agaagaaatc atgatatagc 180

tttccatgtg gcagatctac atgtctagag aacactgtgc tctattacca ttatggataa 240

agatgagatg gtttctagag atggtttcta ctggctgcca gaatctagag caaagccatc 300

ccccctcctg gttggtcaca gaatgactga caaagacatc gattgatatg cttctttgtg 360

ttatttccct cccaagtaaa tgtttgtcct tgggtccatt ttctatgctt 410

<210> 11935
<211> 499
<212> DNA
<213> Homo sapiens

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<222> (319)..(319)
<223> n is a, c, g, or t

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acaggtgtat gccaatgttt ctgaaatggg tataatttcg tcctctcctt cggaacactg 120

gctgtctctg aagacttctc gctcagtttc agtgaggaca cacacaaaga cgtgggtgac 180

catgttgttt gtggggtgca gagatgggag gggtggggcc caccctggaa gagtggacag 240

tgacacaagg tggacactct ctacagatca ctgaggataa gctggagcca caatgcatga 300

ggcacacaca cagcaaggnt gacgctgtaa acatagccca cgctgtcctg ggggcactgg 360

gaagcctaga taaggccgtg agcagaaaga aggggaggat cctcctatgt tgttgaagga 420

gggactaggg ggagaaactg aaagctgatt aattacagga ggtttgttca ggtcccccaa 480

accaccgtca gatttgatg 499

<210> 11936
<211> 502
<212> DNA
<213> Homo sapiens

<400> 11936
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aggctggggc agcattgaac cagaggagtt cttgacccca aagaaacttc agtgtgtgga 120

cctccatgtt atttccaatg acgtgtgtgc gcaagttcac cctcagaagg tgaccaagtt 180

catgctgtgt gctggacgct ggacaggggg caaaagcacc tgctcgggtg attctggggg 240

cccacttgtc tgtaatggtg tgcttcaagg tatcacgtca tggggcagtg aaccatgtgc 300

cctgcccgaa aggccttccc tgtacaccaa ggtggtgcat taccggaagt ggatcaagga 360

caccatcgtg gccaacccct gagcacccct atcaaccccc tattgtagta aacttggaac 420

cttggaaatg accaggccaa gactcaagcc tccccagttc tactgacctt tgtccttagg 480

tgtgaggtcc agggttgcta gg 502

<210> 11937
<211> 265
<212> DNA
<213> Homo sapiens

<400> 11937
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ctcaatttct ctgaggacac agataggatg gggtgtctgt gttatttgtg gggtacagag 120

atgaaagagg ggtgggatcc acactgagag agtggagagt gacatgtgct ggacactgtc 180

catgaagcac tgagcagaag ctggaggcac aacgcaccag acactcacag caaggatgga 240

gctgaaaaca taacccactc tgtcc 265

<210> 11938
<211> 444
<212> DNA
<213> Homo sapiens

<400> 11938
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gtccttccct gagttcctcc agggagacta ggttattctc tgccatagag ctaactgggt 120

ctatatgctg ggtgctgaga cactgatccc cctcatttga tgagcaaatg agctactttt 180

ccctagacac caggccagct ctctcttatc tgacttctgt ttcttatccc ataacttact 240

tgtatctatt atgtgtcact tccaacactc tccatactca ttcttgtgat tctcctctag 300

ccatatatat gggccccatc actgttctgt tccctccatc tatgcacaag ctttacccca 360

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ctgtgtttgg gactgtatct cagc 444

<210> 11939
<211> 518
<212> DNA
<213> Homo sapiens

<400> 11939
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atgctgatgg tggtggggac atcagcgtca aggagttggg cacggtgatg aggatgctgg 120

gccagacacc caccaaggag gagctggacg ccatcatcga ggaggtggat gaggacggca 180

gcggcaccat cgacttcgag gagttcttgg tcatgatggt gcgccagatg aaagaggacg 240

cgaaagggaa gagcgaggag gagctggccg agtgcttccg catcttcgac aggaatgcag 300

acggctacat cgacccggag gagctggctg agattttcag ggcctccggg gagcacgtga 360

ctgacgagga gatcgaatct ctgatgaaag acggcgacaa gaacaacgac ggccgcattg 420

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accaagatcg cgtgtcccta gggtgtggga gactccgc 518

<210> 11940
<211> 464
<212> DNA
<213> Homo sapiens

<400> 11940
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agaaccgtga tggtattata gacaaggagg accttcggga caccttcgca gccatgggcc 120

gcctcaatgt gaagaatgag gagttggatg ccatgatgaa ggaagccagc ggtcccatca 180

acttcaccgt cttcctgacc atgttcgggg agaagctcaa gggtgccgac cctgaggatg 240

tgatcaccgg agccttcaag gtcttggacc ctgagggaaa gggcaccatc aagaagaagt 300

tcctggagga gctgctgacc acgcagtgtg accgcttctc ccaggaggag atcaagaaca 360

tgtgggcggc cttccccccc gacgtgggcg gcaacgtcga ctacaaaaac atctgctacg 420

tcatcacgca cggcgacgcc aaggaccagg agtaggggca cccg 464

<210> 11941
<211> 570
<212> DNA
<213> Homo sapiens

<400> 11941
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aagcttttaa cccagaagga gaatttcagc gtttggcagc tcaatctgga ctctatgaaa 120

gtgaagaact ttaataactt taccaacatt ggaaaacagc caactacacc attagtaata 180

tatttgatta catttttttg aaattaatcc atagctgtat taacagatta tggttttaat 240

taggtaatat agttaatata tatttataat attatttatc ctttgactct tgcacattct 300

atgtacccct ccgatttgtg aagcctacag gaaatctggg tatatggatt tgtaactgca 360

gaagactatc ttaaaataca ggattttaac atttaagtca tgcacattta acaattacag 420

gttataaatt agtatcaact ttttaaacac atctaatgct tgtaataacg tttactggta 480

ctgctttcta aatactgttt tacccgtttt ctcttgtagg aatactaaca tggtatagat 540

tatctgagtg ttccacagtt gtatgtcaaa 570

<210> 11942
<211> 396
<212> DNA
<213> Homo sapiens

<400> 11942
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tgacatgttg cgtgagaatc gtagcctcca gagcctaaac atcgaatcca acttcattag 120

cagcacagga ctcatggctg tgctgaaggc agttcgggaa aatgccacac tcactgagct 180

ccgtgtagac aatcagcgcc agtggcctgg tgatgcagtg gagatggaga tggccaccgt 240

gctagagcag tgtccctcta ttgtccgctt tggctaccac tttacacagc aggggccacg 300

agctcgggca gcccaggcca tgacccgaaa caatgaacta cgtcgccagc aaaagaagag 360

ataacactgc atttcccttt accaactagc gctggg 396

<210> 11943
<211> 460
<212> DNA
<213> Homo sapiens

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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (323)..(324)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (358)..(358)
<223> n is a, c, g, or t

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cttaagaagc tctgccctaa actgagaacc acatgctgag ggaagggctg aaaggtgaag 120

gctcagcctc cctcacatgg gtcctgggtt acattaggta ccgggctgat tgataggcat 180

ttggccatgg ttccttttcg tctacctttg ggggccttct caggcccaga acaaggctgt 240

tgttactatg tggaaaagct gaccagtgct gcacactagg ggcacacacc tttccatgag 300

cagctcctgc cctgtggcga canncagcgt gcacccagac gctggtgcca tggcgaanca 360

ggcgttcaag accatggaga agacaactcc tcatctagaa aatgaggaca cctcagtgac 420

aaacacacct ttttatacca atcagtatcc tctgttcatt 460

<210> 11944
<211> 460
<212> DNA
<213> Homo sapiens

<400> 11944
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acaccgagaa catctgtggg ctcagtgact cacctggtgt ctccaagaac acggcccgca 120

tcctcaagac aggaatcacc ttcaaaccgt tcgagtataa ggagcatgac ttccggatgg 180

ctcccaagtt cctgacacct ctcatagacc gcgtggtcgt ggctgggtac tcggcagccc 240

tcaactgtgc tgtcagaggc cacccgaagc cgaaggtggt ctggatgaag aacaagatgg 300

aaatccgtga agatcccaag ttcctgataa ccaattacca aggagtcctg acgctgaaca 360

tccgtcgccc ctcgcccttc gacgctggga cttacacctg ccgggccgtc aacgagctgg 420

gcgaggcgct ggctgagtgc aagctggagg tccgagtgcc 460

<210> 11945
<211> 508
<212> DNA
<213> Homo sapiens

<400> 11945
gagagccgcc gtgaggcaga gaagcagaac tacctggcgg agcactgccc gccgctgcat 60

atcccgggct ccatgtctga agtgcaggag ctctgcaaac agctgcacgc caagatcgat 120

gcggctgaag aggagaagta cgacatggag gtgagggtgc agaagaccag caaggagctg 180

gaggacatga accagaagct atttgatctg cggggcaagt tcaagcggcc cccactgcgg 240

agggtgcgca tgtcggccga tgccatgctc aaggccctgc tgggctcgaa gcacaaggtg 300

tgcatggacc tgagggccaa cctgaagcag gtcaagaagg aggacacaga gaaggagcgg 360

gacctgcgag acgtgggtga ctggaggaag aacatcgagg agaagtctgg catggagggc 420

cggaagaaga tgtttgagtc cgagtcctag gccactcgct gcccctacgc ctgccccggt 480

gcccggctcc cagcagaaca tactaggg 508

<210> 11946
<211> 527
<212> DNA
<213> Homo sapiens

<400> 11946
ttgacctgct ggcctatggg gccaaagctg aacttcccaa atataagtcc ttcaacagga 60

cggcaatgcc ctatggtgga tatgagaagg cctccaaacg catgaccttc cagatgccca 120

agtttgacct ggggcccttg ctgagtgaac ccctggtcct ctacaaccaa aacctctcca 180

acaggccttc tttcaatcga acccctattc cctggctgag ctctggggag cctgtagact 240

acaacgtgga tattggcatc cccttggatg gagaaacaga ggagctgtga ggtgtttcct 300

cctctgattt gcatcatttc ccctctctgg ctccaatttg gagagggaat gctgagcaga 360

tagcccccat tgttaatcca gtatccttat gggaatggag ggaaaaagga gagatctacc 420

tttccatcct ttactccaag tccccactcc acgcatcctt cctcaccaac tcagagctcc 480

ccttctactt gctccatatg gaacctgctc gtttatggaa tttgctc 527

<210> 11947
<211> 395
<212> DNA
<213> Homo sapiens

<400> 11947
agaagcgcaa tgttgaagct gtcaagggtc tacgcaaaca tgagagaaaa gtgaaggaac 60

tcacttacca aactgaggaa gaccgcaaga atattctcag gctgcaggac ctggtggaca 120

agctgcaagc aaaggtgaaa tcctacaaga gacaagctga agaagcggag gaacaatcca 180

acgtcaacct ctccaaattc cggaggatcc agcacgagct ggaggaggcc gaggaaaggg 240

ctgacattgc tgagtcccag gtcaacaagc tgagggtgaa gagcagggag gttcacacaa 300

aaatcataag tgaagagtaa tttatctaac tgctgaaagg tgaccaaaga aatgcacaaa 360

atgtgaaaat ctttgtcact ccattttgta cttat 395

<210> 11948
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (47)..(47)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (49)..(49)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (253)..(253)
<223> n is a, c, g, or t

<400> 11948
ggataatgtt ataccccgga ctatgaaaaa agctggtggt aaatggnang aatgtgaaat 60

tttaaactgc tctcaacgta ggaatcttgg tggaaaagtt cctacctgag gtctgatatg 120

attcaattat agaatgcaat gagcttggcc aaggggactt tgaatccagc caaggaaact 180

ttgaatctcg acagctctga gaatcacatt ttcagtgcat tgaatatgga gtaaactatt 240

tagacaagga ttntgtgaga ctaggctact tacctttaat tgccagcatt tgtaaatgat 300

tgtgcaatct tgtgtaatgg tcttttattt tgactgtttt g 341

<210> 11949
<211> 405
<212> DNA
<213> Homo sapiens

<400> 11949
tgcctttctt ccatcgtgga cagtatttcc tcggaggaac gcaaactccc ctgcgtggag 60

gaagtggtgg agaagtaact gagcctgcgc ttgagacctt ctccacgcag caggaagatc 120

ccaccgaccc ttcctggcct aatcctttag attaggtcac attacattaa catttaggaa 180

cccagaccga aaagttgctg aaagggaagg agacacattc acaaagaaaa gttgcgaaaa 240

ttgcgaaatc tgttgtgcac gctcaaatga aaacgccttt cggctttggg cttttatttt 300

tttggaactg cgagtggctt aggtctagcc tcattttgtt tttgtttggt tggttttata 360

ctatattaac ttttattacg gtgatccttt tgtgccatgt tcaaa 405

<210> 11950
<211> 512
<212> DNA
<213> Homo sapiens

<400> 11950
tcttccgtgc catgtatgac tatatggctg ctgatgcaga tgaggtgtcc ttcaaggatg 60

gagatgccat cataaatgtt caagcaattg atgaaggctg gatgtatggc actgtgcaga 120

ggactggcag gaccggaatg ctcccagcca actacgttga agctatttag gcatttcaaa 180

gcatcacact tgtctgcagg acttacagat cctgcagtca atgtttcggt ttagactctc 240

cactgttacc taagttctca agctgcctat ggtttttctg tgtcaatgtg atttatggta 300

gtaccatcct ttctcctttg ggttttaaaa taagttgcag aacagacact ttaaaagctt 360

ctgcaatatt atttctgtgc ctagagtctt tctccattat aaacatgttt taacattatt 420

tcttttctaa aacagggatt ttgaatatgc caaacacatt aaaggaaaaa tagcagagat 480

gttcaccttt tccttgctga ttgctaatgc tt 512

<210> 11951
<211> 467
<212> DNA
<213> Homo sapiens

<400> 11951
cttccgctac atggcaatcg ggggctatgt gggtgcagcc accgtgggag cagctgcctg 60

gtggttcctg tacgctgagg atgggcctca tgtcaactac agccagctga ctcacttcat 120

gcagtgcacc gaggacaaca cccactttga gggcatagac tgtgaggtct tcgaggcccc 180

cgagcccatg accatggccc tgtccgtgct ggtgaccatc gagatgtgca atgcactgaa 240

cagcctgtcc gagaaccagt ccctgctgcg gatgccaccc tgggtgaaca tctggctgct 300

gggctccatc tgcctctcca tgtccctgca cttcctcatc ctctatgttg acccccctgcc 360

gatgatcttc aagctccggg ccctggacct cacccagtgg ctcatggtcc tcaagatctc 420

actgccagtc attgggctcg acgaaatcct caagttcgtt gctcgga 467

<210> 11952
<211> 535
<212> DNA
<213> Homo sapiens

<400> 11952
ccatcacctt ctcaactggg aaacccctga aatgctctca gagcacctct gacgcctgaa 60

gaagttatac cttcctcttc ccctttacca aataaagcaa agtcaaacca tcatctggaa 120

acagtggcca cttttcactg acctctcttc gacatctagt caacccaccc aatatgccac 180

tgggtttcgc tcccaattcc accccaccct ccattacaga gctcaccacg ccctcctaga 240

tcaccgtccc caacacaccc attgcctctc aaggccctta tctcagcccc ttcctgtggc 300

catttccctc agtgcccaga tgattccctg ggtgagggag acactggggc accctcagag 360

gttggagcag gctccctgct gtccctggat cctggacaga tggctcagta aactgtggga 420

ctaggtgcag acttttgcct tcttggagtc ctgggtctcc tctgagaggt ctgggtggtg 480

ctcctcctac gcctctagag gtctctgtgt tcctcatttt ccttcaaaag cgggc 535

<210> 11953
<211> 345
<212> DNA
<213> Homo sapiens

<400> 11953
gggattggca gcggctgcat catcagtggc gggggctccg tctgcggagg tggttcctct 60

ggaggcggcg gcggcggctc ctccgtgggt ggctccggga gtggcaaggg cgtcccgatc 120

tgccaccaga cccagcagaa gcaggcgcct acctggccgt ccaaatagat cccccagggt 180

accacggagg cgaaggagtt ggaggtgttt tccaggggca ccgatgggct tagagctctc 240

atgatgctac ccgaggtttg caaatccttc atgtcttaac ctacctggaa gaagccattg 300

agctctccgg ctgcatctag ttctgctgtt tagcctcttt ggttt 345

<210> 11954
<211> 416
<212> DNA
<213> Homo sapiens

<400> 11954
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ccagataaag agatgccctc tgtttcatta gctctagttc tcccccagca tcactaacaa 120

atatgcttgg caagaccgag gtcgatttgt cccagcctta ccggagaaaa gagctatggt 180

tagttacact agctcatcct attcccccag ctctttcttt tctgctgttt cccaatgaag 240

ttttcagatc agtggcaatc tcagttccct tgctatgacc ctgctttgtt ctttcccgag 300

aaacagttca gcagtgacca ccacccacat gacatttcaa gcaccacctt aagccagcca 360

gagtaggacc agttagacct agggtgtgga cagctccttg catcttaaca ctgtgc 416

<210> 11955
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (190)..(190)
<223> n is a, c, g, or t

<220>

<221> misc_feature
<222> (420)..(420)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (424)..(424)
<223> n is a, c, g, or t

<400> 11955
tgggatttag tcagtcacag agatactatt actatgagta agaaattaat ggcaaaggaa 60

ttaatccaag aatagaagaa tgaagcaagt tcactttcaa tcaagaaact tcataatact 120

ttcagggaag ttatcttttc ctgtcaatct gtttaaaata tgctatagta tttcattagt 180

ttggtggtan cttattttta ttgtgtaatg atctttaaac gctatatttc agaaatatta 240

aatggaagaa atcaatatca tggagagcta actttagaaa actagctgga gtattttagg 300

agattctggg tcaagtaatg ttttatgttt ttgaaagttt aagttttaga cactccccaa 360

atttctaaat taatcttttt cagaaatatc gaaggagcca aaaatataaa acagttctgn 420

atanccaaag tggctatatc aacatcaggg ctagcacatc tttctctatt atccttctat 480

tgga 484

<210> 11956
<211> 229
<212> DNA
<213> Homo sapiens

<400> 11956
aattattgac aaacctatcc aaggagctaa atgacgtggt ttaggagcca aaacgtctct 60

agaaacatta taacacatcc catcctgaac aaagaatgtt gtcatagttt cccacatgaa 120

tattcagaat atttgcatct ttttgtgtca ctactggaat tctgtacaat tatatttaaa 180

tttattgtca tggccttctg gatataggat ccagaaaatt gtacttcat 229

<210> 11957
<211> 481
<212> DNA
<213> Homo sapiens

<400> 11957
ggtgaccaca atagcaacac ctccctattc tgttatttct tagtgtaggt agacaattct 60

ttcaggagca gagcagcgtc ctataatcct agacctttc atgacgtgta aaaaatgatg 120

tttcatcctc tgattgcccc aataaaaatc tttgttgtcc atccctatac aacctgccaa 180

catggttgac atttaatgag aggaatgtca aaaatacatt ttactttatt caaagaaaaa 240

tatattggtt actgggaaaa ggtcaagaaa gaggcagaaa gagatcaggg agggctaaag 300

ttgtgtctta tgccaagcgg aagtggaaaa tatcactttt cactttatca actgagactt 360

tggggcctgt aagcttgagg caagacagaa ataagagaat caagacttga ttgtaaaaat 420

tgacaacttt agattctgag gctaggctga gtacttatta tacggctaca tttacacatt 480

t 481

<210> 11958
<211> 466
<212> DNA
<213> Homo sapiens

<400> 11958
gaggcagtgc tgtgtggttc ctgccgtccg gactcttttt cctctactga gattcatctg 60

tgtgaaatat gagttggcga ggaagatcga cctattattg gcctagacca aggcgctatg 120

tacagcctcc tgaagtgatt gggcctatgc ggcccgagca gttcagtgat gaagtggaac 180

cagcaacacc tgaagaaggg gaaccagcaa ctcaacgtca ggatcctgca gctgctcagg 240

agggagagga tgagggagca tctgcaggtc aagggccgaa gcctgaagct gatagccagg 300

aacagggtca cccacagact gggtgtgagt gtgaagatgg tcctgatggg caggaggtgg 360

acccgccaaa tccagaggag gtgaaaacgc ctgaagaagg tgaaaagcaa tcacagtgtt 420

aaaagaagac acgttgaaat gatgcaggct gctcctatgt tggaaa 466

<210> 11959
<211> 418
<212> DNA
<213> Homo sapiens

<400> 11959
attatttttg ttctgcaggc ttgcagagtt cttctcacca tttaaactga aggaccctat 60

attatatttc cctaactctg aagatgtata tgtagtttaa agcagtttgt acactaaaac 120

taagtttttg gctgactgtc atattgtggt ccttaatctt gagataaatc caatagaact 180

tttgaataaa agcaaaagta caaatgtcat aattgattcg gtaataagta aaatttcaaa 240

attgattttg ttcattacct acttaatatt tcctttaaat atatactaac tgttaaggcc 300

ctctaatgcc atttttctaa acagtaatgt ttactttggt attaaaattt ggtatggatt 360

cacttttttac ttatgttaaa attataccat ttaactggct cttttgtcat tgtgctgt 418

<210> 11960

<211> 434
<212> DNA
<213> Homo sapiens

<400> 11960
gactcttttt cctctactga gattcatctg tgtgaaatat gagttggcga ggaagatcga 60

cctattattg gcctagacca aggcgctatg tacagcctcc tgaaatgatt gggcctatgc 120

ggcccgagca gttcagtgat gaagtggaac cagcaacacc tgaagaaggg gaaccagcaa 180

ctcaacgtca ggatcctgca gctgctcagg agggagagga tgagggagca tctgcaggtc 240

aagggccgaa gcctgaagct catagccagg aacagggtca cccacagact gggtgtgagt 300

gtgaagatgg tcctgatggg caggagatgg acccgccaaa tccagaggag gtgaaaacgc 360

ctgaagaagg tgaaaagcaa tcacagtgtt aaaagaaggc acgttgaaat gatgcaggct 420

gctcctattt tgga 434

<210> 11961
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (120)..(120)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (301)..(302)
<223> n is a, c, g, or t

<400> 11961
gcatctgtgg cttaacactt gtgagagtta ccagcttgaa aatgatggtg ttgactacct 60

cttgaatcac atctatcaac cactggcacc taccaccaag ctggcttcaa ttagtatgtn 120

gttgcttttt ggtattaaca actaaccgta ctagagacca aagtgaaccc tgatttttat 180

atgtctttaa taatggtgtt ttatctagtg tttttaaatt atcctgtgta gtatttagat 240

tacctcattg tccattttga ctcatgttgt ttacaagtga aaataaaaac acttgaactg 300

nntgttttta aaagacaaaa aaggggtaga tgtttggaat gcgtttcact cgcatgcagt 360

catctggagg gactgaagca ctgtttgcct ttctgtacac tctgggtttt atattctcat 420

ttcatgccta atgtcttatt ctgtca 446

<210> 11962

<211> 436
<212> DNA
<213> Homo sapiens

<400> 11962
gactcttttt cctctactga gattcatctg tgtgaaatat gagttggcga ggaagatcga 60

cctattattg gcctagacca aggcgctatg tacagcctcc tgaaatgatt gggcctatgc 120

ggcccgagca gttcagtgat gaagtggaac cagcaacacc tgaagaaggg gaaccagcaa 180

ctcaacgtca ggatcctgca gctgctcagg agggagagga tgagggagca tctgcaggtc 240

aagggccgaa gcctgaagct catagccagg aacagggtca cccacagact gggtgtgagt 300

gtgaagatgg tcctgatggg caggagatgg acccgccaaa tccagaggag gtgaaaacgc 360

ctgaagaagg tgaaaagcaa tcacagtgtt aaaagaaggc acgttgaaat gatgcaggct 420

gctcctatgt tggaaa 436

<210> 11963
<211> 283
<212> DNA
<213> Homo sapiens

<400> 11963
tgaggacatc catggtaccc tccacctgga gaggcttgcc tatctgcatg ccaggctcag 60

ggagttgctg tgtgagttgg ggcggcccag catggtctgg cttagtgcca acccctgtcc 120

tcactgtggg gacagaacct tctatgaccc ggagcccatc ctgtgcccct gtttcatgcc 180

taactagctg ggtgcacata tcaaatgctt cattctgcat acttggacac taaagccagg 240

atgtgcatgc atcttgaagc aacaaagcag ccacagtttc aga 283

<210> 11964
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (276)..(276)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (298)..(298)
<223> n is a, c, g, or t

<400> 11964
gtttctccta cggttaattc ttcaggatgc agcccggagg aacgtggatt tgacttaaag 60

aagtaaagag catcgtatta ccgtttctat gagcgcattt taagagatgt tcggtgtttg 120

tagatcccat ccatccggct gctaggggta aggtgctgtt ttatgtgaag atagttctgt 180

aaagttgttt cagttaaact gggctgagag agcttgaaag tccttttcat aaaagataac 240

tatttccttt tcttgttgaa taccttagaa tagttntccc ccccttttt ttttttnaa 300

caaaaaaaca cttttctaag gactgaagat tggcaaaaac taaaataaat taaaactgct 360

tacaccagaa gccttttaga gaagcatgag actgtttgac tag 403

<210> 11965
<211> 263
<212> DNA
<213> Homo sapiens

<400> 11965
gacagcataa agattgcagc ttttttgtta actttaggac tggtggatgg ttggtgtcat 60

ttactaaaat ggggaggatt tgaggtgaaa aaattttagg tgaagagaat aatgctgagt 120

tttaggcaac tattaaaatg tccattctgt agattagagg tgatgtcagg acataaatga 180

ggttaatgta atattacata ttgatagagg aataggtcaa tagagaagat acaaaagagt 240

ggttaggtgc atagattttt gaa 263

<210> 11966
<211> 264
<212> DNA
<213> Homo sapiens

<400> 11966
tgattgggcc tatgcggccc gagcagttca gtgatgaagt ggaaccagca acacctgaag 60

aaggggaacc agcaactcaa cgtcaggatc ctgcagctgc tcaggaggga gaggatgagg 120

gagcatctgc aggtcaaggg ccgaagcctg aagctcatag ccaggaacag ggtcacccac 180

agactgggtg tgagtgtgaa gatggtcctg atgggcagga gatggacccg ccaaatccag 240

aggaggtgaa aacgcctgaa gaag 264

<210> 11967
<211> 513
<212> DNA
<213> Homo sapiens

<400> 11967
gtctgagcca gagttgtagc caggccttgc actactgcca tagccaatca atctcccaaa 60

gccaagttta cctgctgttc tcacccccaa tgaggtctta ggcagattct ttactttgta 120

attcaaaagg cctgttaacc tttgttcttg ttatgcatga ataacttgtt gacttttttt 180

ttttctcttt ttcaactagt gtttcaacag gtttatttag attcagaatg taaatttaca 240

aatgatatag atcaccctgt tattgctgtt tttcagggac agtagaaagt gttttgtttt 300

ttgagtgaaa caacttatta ataaaaatcc ttaaatcact tttgtaatcc aggacaagaa 360

aatgtggcat tagagtagaa atatctttgg aaatgtgaaa gaccccatag tgaaatattt 420

gggatcagaa gccagaggtg taaaagtggt caattcttgg tttacttcat ttaatctttc 480

ttttcataaa gatacatacc tggatttgtt tat 513

<210> 11968
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (63)..(63)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (70)..(70)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (100)..(100)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (280)..(280)
<223> n is a, c, g, or t

<400> 11968
taaaaaatcc tgtactgccc atgtctggta cagaagtatg tatagaattg tagagaaaat 60

gancactttn gggatgattt gaaagcaaat tacagaactn accagtttca ccactttaaa 120

acttttgggg aatggccatt tagatataac ctggtgcagt caggtaaccc caaacagagt 180

ttttaaaagt ttccacaccc ttctttgctg gtgcctgccc tgcatcatgc tgtcgctgtg 240

aggagggact tgttccagat ctctggggca gcccgagtgn ctcacctaaa gtcacacagc 300

ttccacggaa cattactgga agctcagtga gggccttctg cctctgaaac ttgctctatt 360

tccctcaagt cctgcttcct tttgtaggtt taagacatta gttcctgaga a 411

<210> 11969
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (56)..(56)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (229)..(229)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (406)..(406)
<223> n is a, c, g, or t

<400> 11969
agccctgttg atcactggac ataaagcttc ttttccccaa taattcttct ttactnaaaa 60

tagtcaggat ctttatctac agatgtactc tccaggttac ctgtgatgat agccccctaa 120

tgtcctgcta gaaaagtctc caagcagaga tgacattact tctgaatgct cataaaccac 180

accatgaaat aaaagctctt tgttgtttta agattgtgaa gtgtcgttna tgggtcccca 240

cagatggtcc ctgctggact cacctggaat ctctccacag ccatacccac tcatcactat 300

cattgagacc tgcacatctt aatagaaata ttataaacat cgaaaatcat gacttaccta 360

gaagttcgct tgtaactaat gaaattaaac aaatgtgttg cctttntgtc atgtgtttct 420

ctcctgtgac atttcaaa 438

<210> 11970
<211> 409
<212> DNA
<213> Homo sapiens

<400> 11970
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aactctcccc ctttcccttg agaaatcttt aagtttcgat tctggagcaa aaactttcag 120

cattaaatat ttcagaggct ccattcacag ctttcagata aactggagtg ttcagatgga 180

ctgttttaat aaaaatcttt gagcaagtga gttatggcaa gagaaactca gcctctttct 240

gtataaactt aacagggaag ggctggggtg tgaaaaagaa gattgtatga aaaccattgg 300

taatttttat tttttatttt tgggactgca ctatcctgtt cacgaagaca tgtgaacttg 360

gttcagtcca aatggggatt tgtataaacc agtgctctcc attagaaat 409

<210> 11971
<211> 471
<212> DNA
<213> Homo sapiens

<400> 11971
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ccttctaccc agcctacgag gggcagtttt ctctggagga gaagagcctg tcgctgaaaa 120

tcatgcagta cttttcccac ttcatcagat caggaaatcc caactaccct tatgagttct 180

cacggaaagt acccacattt gcaacccccc ggcctgactt tgtaccccgt gctggtggag 240

agaactacaa ggagttcagt gagctgctcc ccaatcgaca gggcctgaag aaagccgact 300

gctccttctg gtccaagtac atctcgtctc tgaagacatc tgcagatgga gccaagggcg 360

ggcagtcagc agagagtgaa gaggaggagt tgacggctgg atctgggcta agagaagatc 420

tcctaagcct ccaggaacca ggctctaaga cctacagcaa gtgaccagcc c 471

<210> 11972
<211> 403
<212> DNA
<213> Homo sapiens

<400> 11972
ttatttgaca gatctctatt ctataaatgt gtaatgtgat gaagaaagag atctttcttt 60

tttaatgaaa acattaatgt gttaataccc tgtatggata atgcttgaca tttagtggtt 120

tccaaaatat attagtatat tgttgaacat acattatgcc ttagaaatgc acattctgta 180

ttttgtggga tgataatcta attcagtata gaatatgctg tttggcaatg agtttgtggc 240

cagatttcaa atagggagtt aagtggtact ttcacaatcc aaagattttt agttaaaaat 300

catgtagtct aatatgctgc agttattttt ttatattttt caatgcattt aattatcttt 360

tttataattc tttgtactaa ctcagcatgt aacaaccaat tta 403

<210> 11973
<211> 361
<212> DNA
<213> Homo sapiens

<400> 11973
gaattcgccc tagagctgta tcatgtattt tctttcaaat taactttgct tgcaattaag 60

cttagggaac cagcaacaaa agcaaacttg gcccgaggtc gttcaccgcg aaaatggatt 120

agagaaactt cttccccgat ttaaggggaa agattcctgc ggccagcgct ttggggaaag 180

tgccccgacc gcagaggcga cgacagggga gcaggaagct gctcacggta gtcggcgttg 240

gcggcagcgg tggccttcct catctgggcg atgtgggctc cgagaagagt aaggataaca 300

tcctggaaat gacttctgta cggtttgagc ccaactgcac actcatgact tggagctgcc 360

c 361

<210> 11974
<211> 184
<212> DNA
<213> Homo sapiens

<400> 11974
tgcttttcag ggactatgca atgaaacctt gacactgaag ctgtacaaca atggctttac 60

ttcagtccaa ggatatgctt tcaatgggac aaagctggat gctgtttacc taaacaagaa 120

taaatacctg acagttattg acaaagatgc atttggagga gtatacagtg gaccaagctt 180

gctg 184

<210> 11975
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

<400> 11975
ggaagaaagt ccttgtcctt tgagactcag aaggccccan gctccagtat gccatcatga 60

tgcctgctaa ggcagccacc ttggtgtaca tgctcacaga ggctctgttc atggagcagc 120

tgctgtttga aaaattttga aatgcaagat ccacaactag atggaaggca ctctagtctt 180

tgcagaaaaa aatgtacctg aatgtacatt gcacaatgcc tggcacaaag aaggaagaat 240

ataaatgata gttcgactcg tctgtggaag aacttacaa 279

<210> 11976
<211> 523
<212> DNA
<213> Homo sapiens

<400> 11976
tgaacgagtg tgcagacggt gcccaccccc cctgccacgc ctctgcgagg tgcagaaaca 60

ccaaaggcgg cttccagtgt ctctgcgcgg acccctacga gttaggagac gatgggagaa 120

cctgcgtaga ctccgggagg ctccctcggg tgacttggat ctccatgtcg ctggctgctc 180

tgctgatcgg aggcttcgca ggtctcacct cgacggtgat ttgcaggtgg acacgcactg 240

gcactaaatc cacactgccc atctcggaga caggcggagg aactcccgag ctgagatgcg 300

gaaagcacca ggccgtaggg acctcaccgc agcgggccgc agctcaggac tcggagcagg 360

agagtgctgg gatggaaggc cgggatactc acaggctgcc gagagccctc tgagggcaaa 420

gtggcaggac actgcagaac agcttcatgt tcccaaaatc accgtacgac tcttttccaa 480

acacaggcaa atcggaaatc agcaggacga ctgttttccc aac 523

<210> 11977
<211> 162
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (58)..(58)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (69)..(69)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (80)..(80)
<223> n is a, c, g, or t

<400> 11977
aagccaattg ccttagggtg ggtcacaatt cgacggtcat ttgtgtgact gagtggtnag 60

tgaccgtcnc ccctactggn actataagtg ccttgagagc agccagcagg tttgtttcta 120

ctctcggctg gggctcagta gatgctccat agggaaataa aa 162

<210> 11978
<211> 564
<212> DNA
<213> Homo sapiens

<400> 11978
ccatgagcaa cttccagagc tggacaactt gggcctggat agcttttcca gtggacctgg 60

ggaagaggct ttgttgcaga tgagatcaaa catcatctat gactccactg cccgaatcag 120

aaggaacgcc aaaggaaact actgtaagag gaccccgctc tacatcgact tcaaggagat 180

tgggtgggac tcctggatca tcgctccgcc tggatacgaa gcctatgaat gccgtggtgt 240

ttgtaactac cccctggcag agcatctcac acccacaaag catgcaatta tccaggcctt 300

ggtccacctc aagaattccc agaaagcttc caaagcctgc tgtgtgccca caaagctaga 360

gcccatctcc atcctctatt tagacaaagg cgtcgtcacc tacaagttta aatacgaagg 420

catggccgtc tccgaatgtg gctgtagata gaagaagagt cctatggctt atttaataac 480

tgtaaatgtg tatatttggt gttcctattt aatgagatta tttaataagg gtgtacagta 540

atagaggctt gctgccttca ggaa 564

<210> 11979
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (104)..(104)
<223> n is a, c, g, or t

<400> 11979
agcctccttt gcgtcatttt aaacgccctg cttacgcatc tagctcctat gcaccttcag 60

tctcaaagaa aactgatgag catcctgcaa ggtacaagat gctngatcag aggatcaaaa 120

tgaaaaagat tcagaacatc tcacataact ggaacagaaa ataggccgag gggaagaaga 180

gagggagtga aggagggtct acctatctgc ttctcagcac ccactggcca cagcaggaca 240

cacctccaag acccttggag gctgttggag caggtactat cctggttgac tccaccaagg 300

tgaaatgaaa gttgtatgtg attttcctct ttgttgttct tgtatagact tttcaattgc 360

tgtatgtggg atcagcccag acgccagcaa caaactagca 400

<210> 11980
<211> 331
<212> DNA
<213> Homo sapiens

<400> 11980
gtgaatgtct tcctgaaaac cttaagagaa ccaactggaa aacaaccaga aatgagagca 60

tggagttagg caaccgccga tctgctttct gtcactttgg gcgagttttt cccgtcctgg 120

gatttcatat ctctggaatc ctgcagtacg tagccctctg tctggcttcc tcgctccgtg 180

taatgttctt gagattcatc catgcagctg tgtatacctg cagtgattgt ttctcttgtt 240

gattgctgag aagggttcca tcgtatgcct tttccagttt atttgttcat ctgttgttag 300

acatttgagt tatttccagc ttgggactct t 331

<210> 11981
<211> 455
<212> DNA
<213> Homo sapiens

<400> 11981
gtaatttttg cagacagctt taacttatat acattgcttg atttttttca aaagactaaa 60

tatgtcattt atactttgtt tattttctac caaagaaggt ttgtaaaaat atgcctgctg 120

cttttccttt tgaaggacac aaacctggtc ccaacatgtg tggattttaa ctctgagtgg 180

ggtgcattaa atcaaaagag agaggcagaa gatgaaatgc taaagaaggg tcaggcaaac 240

ttctgtttca gtataaaatt catcatgcag gcttctgagt gaaatagaat gatttgaaac 300

cactactgta ttgcctggat acacacacac acacacacac actttataca aaaatgttaa 360

aagcaggttt cctggcatgt tctaaactgt tttttcttta ggaataaatt acatttatct 420

gcacagatgt tgaaaatcct gttaaaccct tgtca 455

<210> 11982
<211> 528
<212> DNA
<213> Homo sapiens

<400> 11982
ttagaagatg aggtcgtgcc cccacaagtg ctcagtgagc cgaatgaaga agcgggggct 60

gctctcagcc ccctccctga ggtgcctccc tggaccgggg aagtcagccc agcccagaga 120

gatggaggtg ccctcgggcg gggcccctgg gactcctctg atcgatctgc cctcctaaaa 180

agcaagctga gggcgctgct cactgcccct cggagcctgc ggagatccag ctgcttcggg 240

ggcaggatgg acaggattgg agcccagagc ggactgggct gtaacagctt ccggtactga 300

agataacagc cagggaggac aagcagggct gggcctaggg acagactgca agaggctcct 360

gtcccctggg gtctctgctg catttgtgtc atcttgttgc catggagttg tgatcatccc 420

atctaagctg cagcttcctg tcaacacttc tcacatctta tgctaactgt agataaagtg 480

gtttgatggt gacttcctcg cctctcccac cccatgcatt aaatttta 528

<210> 11983
<211> 461
<212> DNA

<213> Homo sapiens

<400> 11983
gttcagcctc ggacttggaa acgtccgggt tacaggagca gcgcaaccat ttgcagggca 60

aactgtcgga gctgcaggtg gagcagacat ccctggagcc cctccaggag agcccccgtc 120

ccacaggtgt ctggaagtcc cgggaggtag ccaccgaggg catccgtggg caccgcaaaa 180

tggtcctcta caccctgcgg gcaccacgaa gccccaagat ggtgcaaggg tctggctgct 240

ttgggaggaa gatggaccgg atcagctcct ccagtggcct gggctgcaaa gtgctgaggc 300

ggcattaaga ggaagtcctg gctgcagaca cctgcttctg attccacaag gggctttttc 360

ctcaaccctg tggccgcctt tgaagtgact catttttta atgtatttat gtatttattt 420

gattgtttta tataagatgg tttcttacct ttgagcacaa a 461

<210> 11984
<211> 420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (318)..(318)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (381)..(381)
<223> n is a, c, g, or t

<400> 11984
cggcagaacc gcctggctga agagagggct cgacgagagg aggaggagaa caggaggaag 60

gctgaggatg aggcccggaa gaagaaggct ttgtccaaca tgatgcattt tgggggttac 120

atccagaaga cagagcggaa aagtgggaag aggcagactg agcgggaaaa gaagaagaag 180

attctggctg agaggaggaa ggtgctggcc attgaccacc tgaatgaaga tcagctgagg 240

gagaaggcca aggagctgtg gcagagcatc tataacttgg aggcagagaa gttcgacctg 300

caggagaagt tcaagcangc agaaatatga gatcaatgtt ctccgaaaca ggatcaacga 360

taaccagaaa gtctccaaga nccgcgggaa ggctaaagtc accgggcgct ggaaatagag 420

<210> 11985
<211> 405
<212> DNA
<213> Homo sapiens

<400> 11985
aagaagcctt cagctgtatc gaccagaatc gtgatggcat catctgcaag gcagacctga 60

gggagaccta ctcccagctg gggaaggtga gtgtcccaga ggaggagctg gacgccatgc 120

tgcaagaggg caagggcccc atcaacttca ccgtcttcct cacgctcttt ggggagaagc 180

tcaatgggac agaccccgag gaagccatcc tgagtgcctt ccgcatgttt gaccccagcg 240

gcaaaggggt ggtgaacaag gatgagttca agcagcttct cctgacccag gcagacaagt 300

tctctccagc tgaggtggag cagatgttcg ccctgacacc catggacctg gcggggaaca 360

tcgactacaa gtcactgtgc tacatcatca cccatggaga cgaga 405

<210> 11986
<211> 532
<212> DNA
<213> Homo sapiens

<400> 11986
aaaatctaag atctccgcct cgagaaaatt gcagctgaag actctgctgc tgcagattgc 60

aaagcaagag ctggagcgag aggcggagga gcggcgcgga gagaaggggc gcgctctgag 120

cacccgctgc cagccgctgg agttgaccgg gctgggcttc gcggagctgc aggacttgtg 180

ccgacagctc cacgcccgtg tggacaaggt ggatgaagag agatacgaca tagaggcaaa 240

agtcaccaag aacatcacgg agattgcaga tctgactcag aagatctttg accttcgagg 300

caagtttaag cggcccaccc tgcggagagt gaggatctct gcagatgcca tgatgcaggc 360

gctgctgggg gcccgggcta aggagtccct ggacctgcgg gcccacctca agcaggtgaa 420

gaaggaggac accgagaagg aaaaccggga ggtgggagac tggcggaaga acatcgatgc 480

actgagtgga atggagggcc gcaagaaaaa gtttgagagc tgagccttcc tg 532